

# A Selected Bibliography of Publications by, and about, Max Planck

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## Title word cross-reference

$12 \times 5$  [Pic25].  $14 \times 22$  [C.49]. **\$2.40** [Pic25].  $2.7^\circ$  [Noe73]. **\$3.75** [C.49]. **\$6**  
[Hie68].  $\alpha$  [Pla06d, Pla06e, Pla07a, Why50].  $\beta$  [Pla06d, Pla06e, Pla07a].  $C_2$   
[Has14, Men17, VD47]. ... [Hof08a].  $h$  [Ano47c, Bir19, Mil16].

-. [Sch65]. **-Strahlen** [Pla06d, Pla06e, Pla07a].

. [Sch65].

**/Almost** [KSB63]. **/Aufsätze** [Ano48e, Ano48f]. **/Butterflies** [Ano46c].  
**/Death** [Ano46c]. **/Dr.** [Ano46c]. **/Einigkeit** [MSQM63]. **/Experiment**  
[Ano46b]. **/Fast** [KSB63]. **/Ferromagnetism** [HD48]. **/Friedrich**  
[MKD<sup>+</sup>91]. **/Fritzs** [MKD<sup>+</sup>91]. **/Goethe** [Ano46c]. **/Is** [MSQM63]. **/Ist**  
[MSQM63]. **/Lenz** [Ano48i]. **/Max** [BT58, Cah99, DT58, vBL96].  
**/Max-Planck-Medaille** [BT58, DT58]. **/Nobel** [Ano46c]. **/Papers**

[Ano48e]. /**Pasteur** [Ano46c]. /**President** [Ano46c]. /**The** [Ano46c].  
/Unity [MSQM63].

**0-520-05710-4** [San87].

**1** [Pla15a, Pla46a]. **1/B** [Ano46b]. **1/Zerstörung** [Ano46b]. **100th**  
[HD01, Max58, vL58b]. **10th** [Pla57d]. **11** [You68]. **12** [Pla31e].  
**12.14.1930/Albert** [Ano69]. **130th** [Gri87]. **14.12.1930/Albert** [Ano69].  
**15** [Pla14f, Pla16e, Pla23h]. **15.25** [San87]. **150** [Sta10]. **150th**  
[Ano08f, Ano08a, Bec09, Jac08b]. **15s** [McK27]. **16** [Pla94a]. **1646** [Pla46a].  
**18** [Pla27b]. **1889/91** [Pla15c]. **1890** [Pla50a, Sti84]. **1893** [Pla94a]. **1894**  
[Pla94a]. **19** [MSQM63]. **1900** [Brü48b]. **1902** [Gae03]. **1906** [Pla06f]. **1908**  
[Pla09c]. **1909** [Pla09b, Pla10a]. **1910** [Pla10c, Pla10d, Pla10e, Pla11a]. **1911**  
[Pla13e, Str11a]. **1911/sous** [LdB12]. **1913**  
[Pla13c, Pla13d, Pla14c, Pla14f, Pla14g, Pla16e, Pla23h]. **1914**  
[Jüt17, Pla14d]. **1918** [Pla18a]. **1920** [Jüt21, Pla20c]. **1920/Jakob**  
[PS58, PS58]. **1923** [Ano24]. **1925** [PP79]. **1927** [Pla27a, Pla27b]. **1928**  
[Pla28c, Pla29e, Pla29f]. **1929** [Pla29c, Pla29b, Pla29m, Pla29k, Sch29]. **1930**  
[Pla31e]. **1931** [Hei31]. **1932** [Pla32b, Sim06]. **1935**  
[Pla35a, Pla35c, Pla35d, Pla37d, Pla45a, Pla45b]. **1936**  
[Pla36c, Pla39c, Pla52d, Pla53d, Pla55e]. **1937** [Pla38h]. **1938**  
[Ano38a, Pla38a, Pla38g]. **1939** [Pla39b]. **1943** [Ano43b]. **1945**  
[FH00, Hop96]. **1947** [Ano08c, Bor63b]. **1947/Cottam** [KAR89]. **1948**  
[Ano48j, Ano49a, DdCA48]. **1949** [Hop96]. **195-264** [Jüt18a]. **1958**  
[Hof96, KMP59, Max58, vL58b]. **1959b** [CS79b]. **1961** [Ano61]. **1961/Max**  
[Ano61]. **1961/Preis** [Ano61]. **1964** [Kas64]. **1967** [Pun67]. **1969** [Rut69].  
**1970** [Haa70]. **1973** [KZR<sup>+</sup>73]. **1974** [Haa75]. **1978/Karl** [BWN78].  
**1978/Karl-Scheel-Preis** [BWN78]. **1978/Nominierung** [BWN78]. **1981**  
[Ano81, BCS82]. **1981/Frühjahrstagungen** [Ano81]. **1981/Haushaltsplan**  
[Ano81]. **1997** [Ano97a, MH97].

**2** [Ano48a, PP79, Pla20c, Pla29e, Pla29f]. **2.6.1920** [Pla20b]. **2008** [Bec09].  
**2011** [Pla11c, Pla11d, Par12]. **20th** [Sch96]. **21**  
[Pla11c, Pla11d, Pla32b, Pla36c]. **23**  
[Ano38a, Ano43b, Ano48j, Ano49a, Bec09, DdCA48, Pla38a]. **23rd** [Max58].  
**24.4.1958** [vL58b]. **25** [Haa75, Pla37a]. **25-jährigen** [Pla37i]. **25th**  
[Ham72, Pla37i]. **26** [Pla18a]. **27** [Pla35a, Pla39c, Pla52d, Pla53d, Pla55e]. **28**  
[Pla27a, Pla29b, Pla29k]. **28.10.1919** [Pla20a]. **28th** [Sch29]. **29**  
[Pla10c, Pla10d, Pla10e, Pla11a]. **29th** [Pla28c]. **2nd** [KGS055].

**3** [Ber14, Dri01, Pla14d]. **3-927579-08-4** [Kra97]. **30** [Pla06f]. **300th**  
[Pla46a]. **31.1.1930** [Ano69]. **3hyphen** [Dri01].

**4** [MH97, Pla29c]. **4th** [Pla91b].

**5** [Pla06a]. **5.70** [Ano39]. **50** [Sch00b, Wei68]. **50th** [Ano97a, Ano97b, Eck97a, MH97, RH97]. **540** [Dri01]. **540-41274-3** [Dri01]. **5th** [KGSO55].

**6** [Pla35c, Pla35d, Pla37d, Pla45a, Pla45b]. **60th** [Ber15, Din59, Pla18a, PS58, Wes57, vL39]. **65th** [GSU07].

**7** [Gae03]. **70** [Ben30]. **70th** [Pla38b]. **75-tem** [vL33]. **75th** [vL33].

**8** [Zil33]. **8.** [Reg34]. **8.75** [Sch49]. **8000°** [Moo37]. **80th** [Ano38a, HRR10b, Pla38g, SR37, Som38a, Zen38, vL38].

**9** [Pla09c]. **90th** [Brü48a, HD48]. **978** [Ber14]. **978-3-8442-5258-3** [Ber14]. **9s** [Cra27].

**A.** [Rut69]. **A.I.C** [Cra27]. **a.o** [BDR86]. **A.R.C.Sc** [Cra27]. **Abänderung** [Kan69]. **Abb** [Ano34, Ano39, Sch55, Wil37]. **Abbildungen** [Ano36, Jüt22]. **abermals** [Ano24, Her24, Jüt22]. **Abhandlung** [Pla00a, Wes40, Pla87c, Pla87d, Pla87e, Pla91b, Pla89j]. **Abhandlungen** [Ano02, Ano58, BBG<sup>+</sup>58, Cla91, Ebe63, Max58, Pla23b, Pla28d, Pla58f, Pla95, Pla97, PHR07, vL58a, Bor63a, Kir98a, Kir98b, Pla15a]. **ableiten** [Cla89]. **Ableitung** [Pla01g, Pla23b, Pla95, Pla97, PHR07]. **Ablenkbarkeit** [Pla06d, Pla06e, Pla07a]. **Ablenkungsmessungen** [Pla07c]. **abnormal** [Pla05a]. **Above** [Kir98b]. **absolute** [Hei07, Her77, Jac08b, Pla16f, Pla25g, Pla21a, Pla22a]. **Absoluten** [Her77, Jac08b, Pla25g]. **absorbed** [Pla00f, Pla02c]. **absorbierte** [Pla00f, Pla02c]. **Absorption** [Kir98a, Pla03h, Pla95a, Pla96a]. **Absorptionsvermögen** [Kir98a]. **Abteilung** [BDR86]. **academic** [Hei31, Hof08b, Lem08]. **Academy** [Ano48c, FH00, Pla20b, Pla20c, Pla23g, Pla48f, Sim06, vL39, vL58b, Ano48c, Hof00, KK75, Kir79, LMOS15, PP79, Pla15a, Pla17a, Pla48f, Pla57d, Sim06]. **access** [Ber14]. **Accommodation** [Hui13]. **accompanying** [Brü38]. **according** [Pla19c]. **accroissement** [Duh88]. **accuracy** [Gré19]. **Accurate** [WSNO98]. **achievement** [Jor48]. **Acht** [Pla10a]. **Achtzig** [Hei38]. **achtzigsten** [Pla38a, Zen38]. **acid** [Kir98b]. **Ackeret** [PS58, PS58]. **Ackermann** [BBG<sup>+</sup>58]. **Across** [Hei74]. **Act** [Büh98a, HRR10b, Dar00]. **Action** [Ano21, Ish15, Ish17, PB17, Pla08a, Pla08b, Pla09a, Pla12a, Pla14a, Pla14b, Pla25a, Pla43c, Ros08, Som11, Som12, dB48]. **adaptation** [HW07, Hac07]. **addendum** [Pla01c, Pla34c, Pla40c, Pla01d]. **Addition** [BT58, DT58]. **Additions** [BT58, DT58]. **Address** [DdCA48, Pla25c, Pla48c, Pla57d, vL48b, Pla29b, Pla38a, Sch29, vL39]. **addresses** [JDB<sup>+</sup>97, Kir79, SCP19]. **addresses/Looking** [JDB<sup>+</sup>97]. **Adenauer** [Ano70, Ano70]. **adjustment** [Gré19]. **ADLON** [JDB<sup>+</sup>97, JDB<sup>+</sup>97]. **ADLON/in** [JDB<sup>+</sup>97]. **ADLON/kurzgefaßt/Auf**

[JDB<sup>+</sup>97]. **admits** [Abb01]. **Adolf**  
 [Alb93, HT99, Mul00, Pla08d, Pla47b, Sch00b, Sch04, HT99, O’F56, Pla47b].  
**Adresse** [Pla29b, Pla38a, Sch29, vL39]. **Adressen/Blick** [JDB<sup>+</sup>97]. **Adrien**  
 [Ano52]. **Advanced** [Ano37]. **Advancement** [Pla31e, Pla37a]. **advent**  
 [Pye85b]. **Advisory** [Pla33g]. **Aether** [Pla02b]. **Affiliation** [Anoxx]. **after**  
 [BA01, Fad96, Kae48, Löh12, Sch03]. **aftermath** [Hen07]. **against**  
 [Ano46c, Bad08, Jae79, Noe73, Hof96, Pla96b]. **Ahnenerbe** [Ano41b, Mos42].  
**Ahnenerbe-Stiftung-Verlag** [Ano41b, Mos42]. **Aiding** [Ano47c]. **air**  
 [Pla89a]. **Akad** [Pla20b, Pla23g]. **Akademie**  
 [Ano48c, FH00, Hof00, Jüt21, KK75, Kir79, Koy52, PP79, Pla15a, Pla17a,  
 Pla20c, Pla48f, Sch49, Sim06, Som49, vL39, vL58b, Pla57d].  
**Akademie-Ansprache** [Ano48c]. **Akademie-Ansprachen**  
 [Koy52, Pla48f, Sch49, Som49]. **Akademie-Verlag** [Sch49, Som49].  
**Akademie-Vorträge** [Sim06]. **Akademische** [Hei31]. **akademischer**  
 [Hof08b, Lem08]. **Akt** [Büh98a, Dar00]. **Aktion** [Pla08a, Pla08b, Pla09a].  
**Alax** [Hac07]. **Albanikirche** [vL48b]. **Albert**  
 [Adl03, Ano69, Bre08, Gut15, Her03, Hof08f, Koh02, Mic68, Ano69, Bre08,  
 Gut15, Hof08f, KKRS96, Koh02, Prz86, Prz11, Sim06]. **alchemist** [Ano53b].  
**alchemist/International** [Ano53b]. **Alfred**  
 [Adl03, BCS82, Kut14a, Kut14a]. **algebra** [Bae01]. **Allgemeine**  
 [Pla15f, Pla16c, Pla21c, Pla28b, Pla37e, Som11]. **allgemeinen**  
 [Pla93c, Pla08a, Pla08b, Pla09a]. **allgemeines** [Pla89m, Pla91a].  
**Allgemeinheit** [Pla89n]. **Allgemeinverständliche** [BDR86].  
**allgemeinverständlichen** [Hei88a, Hei06]. **Allgemeinwissens** [Dri01].  
**Allow** [Sei08]. **Almost** [KSB63]. **already** [Bre08]. **alt** [SH53, Hei38]. **alt/25**  
 [SH53]. **alten** [Pla46b]. **alternative** [Lon84, Lon03c]. **Alwin** [MdB63]. **Am**  
 [Ano38a, AH93, Ano49a, Bec09, Dri01, EP06, Flü47, Haa75, Hei31, Jüt17,  
 Jüt21, PP79, Pla94a, Pla06f, Pla09c, Pla10c, Pla10d, Pla10e, Pla11c, Pla11d,  
 Pla11a, Pla14d, Pla14f, Pla16e, Pla20b, Pla20c, Pla20a, Pla23h, Pla27a,  
 Pla27b, Pla28c, Pla29b, Pla29k, Pla29e, Pla29f, Pla31e, Pla32b, Pla35a, Pla35c,  
 Pla35d, Pla36c, Pla37d, Pla38a, Pla39c, Pla45a, Pla45b, Pla52d, Pla53d,  
 Pla55e, Sch29, Som48, Sta10, Vog61, WvLuAE18, vL48b, vL58b, Pla06a].  
**Ambr** [Ben30, Jüt21, Jüt22]. **Ambrosius** [Ano24, Ano30b, Ano48i, Wei68].  
**amendment** [Kan69]. **American** [WC91, BBG<sup>+</sup>58, HMF98]. **Amerika**  
 [Ano46b]. **Amerika/Nobel** [Ano46b]. **Amerika/Nobel-Preis** [Ano46b].  
**Amerikanischer** [Ano46b]. **Amplitude** [SDF14]. **Amplitude-driven**  
 [SDF14]. **Analog** [CG00, CG03, CC03]. **Analyse/Peters** [GBM<sup>+</sup>49].  
**Analysis** [PB17]. **andere** [Hei69, Pla90b]. **anders** [MAS63]. **Anhang**  
 [Mei47, Sch00b]. **Anlass** [Max58]. **anlässlich** [HD01, Haa75, Pla13h].  
**Anlayisi** [Pla15g]. **Anmerkungen** [Alb93, Wes40]. **Anna** [Pla30b, Pla30b].  
**Annalen** [Gae03, Hof08a, Hof08c, Pye83, Pye85a, Pye08]. **anniversary**  
 [Ano46c, Ano97a, Ano97b, Eck97a, Gri87, Ham72, HD48, MH97, Pla15a,  
 Pla17a, Pla22b, Pla24a, Pla26a, Pla28a, Pla29b, Pla30c, Pla35e, Pla37b,  
 Pla37i, Pla46a, Pla57d, RH97, Sch29, Wes57, vL39]. **announced** [Ano04].

**announcement** [Pla27b]. **Annual** [Pla20a]. **anormale** [Pla05a].  
**Anpassung** [HW07, Hac07]. **Anschauliche** [BBG<sup>+</sup>58]. **Ansprache**  
 [Ano48c, Pla13a, Pla15a, Pla17a, Pla19a, Pla22b, Pla24a, Pla26a, Pla28a,  
 Pla30c, Pla32b, Pla35a, Pla37b]. **Ansprachen**  
 [Koy52, Pla18a, Pla48f, Sch49, Som49, WvLuAE18]. **answer** [Ano69].  
**anthology** [Hen96]. **anthropomorphizing** [Weg10]. **antithetisch** [Pla89c].  
**Antoine** [Pla89a, Pla89b, Pla89h, Pla89f, Pla89g, Pla98a, Pla89a, Pla89b].  
**Anton** [Fis10b, Fis12, Fis10b, Fis12]. **Antoon** [Pla28c]. **Antritt**  
 [Pla14f, Pla16e, Pla23h]. **Antrittsrede** [Pla25c, Pla57d, BP24, EP06, FP27,  
 MP19, PP25, PP79, Pla29c, SP29, Sch61, vLP21]. **Antrittsreden**  
 [Kir79, Pla37f, Pla38f, SCP19]. **Antwort** [Ano69]. **Anwendung**  
 [KGSO55, Hol13, Pla89t]. **Anwendungen** [Kir98b]. **anyone** [Hof08a]. **Apfel**  
 [Büh98b]. **Apology** [Koe01]. **Appendix** [Seg07a, Mei47]. **apple** [Büh98b].  
**Application** [Som12, Bad09, KGSO55, Hol13, Som12]. **Applications**  
 [Sch17, Kir98b, Ris96]. **Applied** [BT58, DT58]. **April**  
 [Ano38a, Ano43b, Ano48j, Ano49a, Bec09, DdCA48, Jüt18a, Max58, Pla11c,  
 Pla11d, Pla13c, Pla13d, Pla14c, Pla18a, Pla38a, Pla38g, Sta10, WvLuAE18,  
 van48, vL58b, Pla13c, Pla13d, Pla14c]. **Arbeit** [Ein07a, Her76]. **Arbeiten**  
 [Ber15, vL18]. **Arbeitet** [Ano46b, Ano46c]. **Arbeitet/Präsident**  
 [Ano46b, Ano46c]. **Arbeitsgem** [BPL<sup>+</sup>54]. **Arbeitsgemeinschaft** [HD48].  
**Arbeitstagung** [HD48]. **arbitrary** [Pla22i]. **Archimedes** [Pic08]. **Archiv**  
 [Kra97]. **archival** [Uli97, Ull13]. **archivalischen** [Uli97, Ull13]. **Archives**  
 [Ano14]. **Armin** [Dri01, Kra02a, Kra02b]. **Arnold**  
 [Cra27, Eck97b, Jüt18a, Eck97b, Pla38b, Pla38c]. **Aroldo** [Pla89d].  
**Arrhenius** [Pla92b, Cra84, Pla92b]. **Art** [Cla91]. **artefacts** [Qui17]. **Arthur**  
 [Adl03]. **ARTICLE** [Pla40a, Pla42d]. **Arzeliès** [KZR<sup>+</sup>73]. **Arzimowitsch**  
 [KZR<sup>+</sup>73]. **ask** [BA01]. **Assemble** [Tib13]. **Assessing** [Gré19]. **assessment**  
 [Thi69]. **Association** [Pla29e, Pla29f]. **assumption** [Pla13h, Pla14g].  
**Assumptions** [v.B18]. **Astronautical** [KGSO55]. **Astronautische**  
 [KGSO55]. **Astronomie** [Ano48i]. **Astronomie/Max** [Ano48i].  
**Astronomisches** [Ano46b]. **astronomy** [FF91]. **asymmetric** [Pla18b].  
**asymmetrischen** [Pla18b]. **Äther** [Pla01b]. **atmosphärischen**  
 [Pla89a, Pla89f]. **atmospheric** [Pla89a]. **Atoll** [Ano46b]. **Atom**  
 [Ano23, Ano47c, HN70, MKD<sup>+</sup>91, JDB<sup>+</sup>97, Pet14, Pla16f]. **Atombomben**  
 [Ano46b, Ano46c]. **Atombomben/Nobel** [Ano46b, Ano46c].  
**Atombomben/Nobel-Preis** [Ano46b, Ano46c]. **Atomenergie** [GBM<sup>+</sup>49].  
**Atomenergie/Klein** [GBM<sup>+</sup>49]. **Atomfallen** [JDB<sup>+</sup>97].  
**Atomfallen/kurzgefaßt/Max** [JDB<sup>+</sup>97]. **Atomforschung** [Ano46b].  
**Atomforschung/Schiffssteuerung** [Ano46b]. **Atomforschung/Wieder**  
 [Ano46b]. **Atomic** [Cra84, FR13, KZR<sup>+</sup>73, Pla23c, Hei58, Pla24c, Bro36].  
**Atomicity** [Din46c]. **Atomism** [Kri86, Yos95a]. **Atomismus** [Yos95a].  
**Atomkontrolle** [Ano46b]. **Atomkontrolle/Ehrung** [Ano46b]. **Atomlehre**  
 [Hei58]. **Atommodells** [Pla24c]. **Atomphysik** [GBM<sup>+</sup>49, MKD<sup>+</sup>91].  
**Atomphysik/Ignatovich** [MKD<sup>+</sup>91]. **Atomphysik/Max** [GBM<sup>+</sup>49].

**atoms** [Qui17]. **Atomtheorie** [Pla23c]. **Atomzertrümmerung** [Ano48i].  
**Attempt** [Pla40b, Pla40c, Pla41c]. **attitude** [Löh12]. **auch**  
 [JDB<sup>+</sup>97, Wes57]. **Audretsch** [KAR89]. **Auffindung** [Pla43c]. **Aufgabe**  
 [MKD<sup>+</sup>91]. **Aufl** [Ebe63, Her24, Sac69, Sch55, Wil37]. **Auflage**  
 [Ano13, Ano24, Ano30b, Ano36, Ano39, Ano41a, Cla91, Jüt11, Jüt18b, Jüt22,  
 Sch65, Wei68]. **Aufnahme** [KK75, Kir79, Pla57d]. **Aufsätze**  
 [Ano48e, Ano48f, Jos95, Pla22h]. **Aufwind** [JDB<sup>+</sup>97].  
**Aufwind/Trägheitsfusion/Erstes** [JDB<sup>+</sup>97]. **Aug** [Jüt17]. **Auge** [Bre08].  
**August** [BCS82, Jüt18a, Pla14d]. **aula** [DdCA48, Ano48j]. **Ausdehnung**  
 [Pla89a, Pla89f]. **ausgedehnt** [Pla89g]. **Ausgewählte** [Bor63a].  
**ausländischer** [Ano29b]. **Auslieferung** [Kra97]. **auspices** [LdB12].  
**Außenwelt** [Hei31, Pla31e, Pla40a]. **Aussenweltproblem** [GBM<sup>+</sup>49].  
**Ausstellung** [Ano97a, Ano11, Bad08, Uns67]. **Ausstellungseröffnung**  
 [Ano11]. **Austrian** [Ano11]. **Auswahl** [Hei88a, Hei06]. **Auswirkung**  
 [Pla33g]. **Auswirkungen** [Hei49]. **Auszug** [Pla48d]. **auteur** [Pla08a].  
**author** [Pla08a]. **authority** [Eck97a]. **Authors** [Ano48e, Ano48f].  
**Autobiographical** [BDR86]. **Autobiographie** [Pla60a, Pla91a].  
**autobiographies** [Her73a]. **Autobiographisches** [BDR86].  
**Autobiography** [A.50, Dou49, Pla49g, Pla50b, Pla68, Pla71, Pla14, Rus50,  
 C.49, Pla48c, Pla60a, Pla90c, Pla91a, Pla58g]. **Autonomie** [HW07].  
**autonomy** [HW07]. **Autoren** [Ano48e, Ano48f]. **Autorität** [Eck97a]. **aux**  
 [Som12]. **avril** [Ano48b]. **avtobiografija** [Pla58g]. **award**  
 [Ano94, Fie75, Haa75, Ano46c]. **Awarded** [Ano29c]. **Awarding** [KGS055].  
**Awards** [Ano04]. **ax** [Ein06]. **ayant** [Duh88].

**B** [Ano46b, Ber60, Ano34, Ano39, Wil37]. **back** [BA01, Frö01]. **Bad**  
 [Ano46b, Ano46c, BWN78, Ano46c]. **Baden** [Som48]. **Bahnen**  
 [Pla13h, Pla14f, Pla16e, Pla23h]. **balance** [Pla13i, Pla35b]. **Ballif** [KZR<sup>+</sup>73].  
**Ballistic** [Hop96]. **Ballistics** [Ber14]. **Ballroom** [Ano11]. **Band**  
 [BDR86, Cla91, Fra31, Pla37a, Pla15c]. **Barth**  
 [Ano24, Ano30b, Ano48i, Ben30, Flü47, Jüt17, Jüt21, Jüt22, Wei68, Her24].  
**Barth-Verlag** [Flü47]. **Baruch** [Ano46b]. **based** [Bad08, Qui17]. **Basel**  
 [Sac69]. **basic** [Hei58, Pla06c, HKS<sup>+</sup>68]. **basics** [JDB<sup>+</sup>97]. **bath** [SNE01].  
**Battle** [Som36, Pla35c, Pla35d, Pla37d, Pla45a, Pla45b, Pla52c, Pla53c,  
 Pla55d, Pla58d, Pla65c, Pla67c]. **Baur** [Ano48i]. **Bauten** [Cah99].  
**Bayrischer** [Ano46b]. **Bd** [Ebe63, Hei43a, Sch00b, Thi71]. **Be**  
 [BT58, DT58, Cha97, Cla89, HS97, Pla42f, Qui17]. **beams** [Her01].  
**beantworten** [Ano69]. **Beck** [Sta10]. **Beckel** [GBM<sup>+</sup>49]. **Becker** [Ano48i].  
**Becksmann** [GBM<sup>+</sup>49]. **Bedeutung** [Her58, Ish15, Pla04b, Pla06d, Pla06e,  
 Pla07a, Pla10h, Pla13c, Pla13d, Pla14c, Pla31c, Som11]. **been** [Bre08].  
**befindlichen** [Pla89x]. **before** [Pad83, Pla20b, Sch03, vL58b]. **Began**  
 [Kae48]. **Beginn** [Lem08]. **beginning** [Lem08]. **beginnings** [Kle61].  
**Begleittext** [Brü38]. **Begründers** [Bad08]. **Begründung**  
 [Ano41b, Din39, Kan70, Mos42, Pla12b, Pla26d, Thi71]. **behind** [Pic08].

**beider** [Hof08b]. **Beim** [Ano46b, Pla14f, Pla16e, Pla23h, Som38b]. **being** [Mei58, Pla32g, Pla32h, Pla32i, Pla32j, Pla33d, Pla49a, Pla49e, Pla49h, Pla49i, Pla49j, Pla57a, Pla57b, Pla57c, Pla64b, Wes58]. **Beings** [Pla19b]. **Beirates** [Pla33g]. **Beiser** [HKS<sup>+</sup>68]. **Beiträge** [Sch00b, HKS<sup>+</sup>68]. **Beitragsvermeidung** [JDB<sup>+</sup>97]. **Bekker** [BBG<sup>+</sup>58]. **beliebige** [Pla88e]. **beliebiger** [Pla22i]. **belief** [Pla35c, Pla35d, Pla37d, Pla45a, Pla45b, Pla52c, Pla53c, Pla55d, Pla58d, Pla65c, Pla67c, Hei35]. **Beliefs** [Ano31, Mes07]. **Believe** [MKD<sup>+</sup>91]. **belong** [Har59]. **Belyaev** [MKD<sup>+</sup>91]. **Bemerkung** [Kir98b, Pla23d, Pla06b, Pla15b, Pla15c, Pla16a]. **Bemerkungen** [Pla89o, Pla89r, Pla92a, Pla00a, Pla08a, Pla08b, Pla09a, Pla35b, Spr89]. **Benndorf** [SS53]. **Benndorf/Max** [SS53]. **beobachtet** [JDB<sup>+</sup>97]. **beobachtet/Laserlicht** [JDB<sup>+</sup>97]. **Berechnung** [Hol13, Pla98a]. **bereits** [Bre08]. **Bergmann-Schäfer** [WF63]. **Bericht** [Ano46b]. **Berichterstatte** [Ano36]. **Berichtigung** [BPL<sup>+</sup>54, Ein07a]. **Berkeley** [San87]. **Berlin** [Ano02, Ano30b, Ano41b, Ano97a, Ber60, Ber14, BWN78, Dri01, FH00, Fra31, Hof96, Jüt18a, Kra97, Mos42, Pla94a, Pla13h, Pla14f, Pla16e, Pla23g, Pla23h, Pla28c, Pla36c, Pla08a, Sch49, Sch00b, Sch65, vL58b, Ano29a, Ano36, Ano46d, Ano48c, Ano11, FH00, Hof96, Hof99, KK75, Kir79, LMOS15, Pla94a, Pla14d, Pla14f, Pla14g, Pla15a, Pla16e, Pla17a, Pla23g, Pla23h, Pla28c, Pla35e, Pla35c, Pla35d, Pla36c, Pla37d, Pla45a, Pla45b, Pla48f, Pla08a, Sch49, Som49, Koy52]. **Berlin-Dahlem** [Kra97, Ano36, Pla35c, Pla35d, Pla37d, Pla45a, Pla45b]. **Berliner** [Ano46b, Jüt17, Jüt18a, KK75, Kir79, Pla13h, Pla14d, Pla15a, Pla17a, Sch00b]. **Berlins** [LMOS15]. **Bernhard** [HT99, Mul00, Sch00b, Sch04, HT99]. **Bertele** [GBM<sup>+</sup>49]. **Bertelsmann** [Ano48i]. **Bertelsmann-Verlag** [Ano48i]. **besonderenVorstellung** [Cla91]. **Besprecher** [Ano41a]. **Besprechung** [Pla07c, HPE<sup>+</sup>33, Hei35, Hei43a, Som33]. **Bestandsverzeichnis** [HD01]. **Bestehens** [Pla35e]. **Bestimmung** [BBG<sup>+</sup>58]. **Besuch** [Alb93, Ano46a, Pla47b]. **betrachtet** [Pla99a]. **between** [Boy79, BFG81, HT99, HW07, Hof08b, Hop96, Kir98a, Koh02, Pla90b, Pla90e, Pla01b, Pla02b, Pla13i, Pla40b, Pla40c, Pla41c, Thi69, Wei89, vP06, Hof08f]. **bewegende** [Cla89]. **bewegten** [Pla07d]. **bewegter** [Pla07f, Pla08f]. **Bewegung** [Cla91]. **Beweis** [Pla94c, Pla95b]. **Beyond** [Cas09, SDF14, MKD<sup>+</sup>91]. **Beziehungen** [Hof08b, Pla89c, Pla88b]. **Bezold** [Pla07e]. **bezüglich** [Pla89m]. **Bibliographie** [Cah99]. **Bibliography** [Ano77, Ole81, Low77]. **Bibliometrische** [Cah99]. **Bibliothek** [HS97]. **Bieberbach** [BP24]. **Big** [Hür22, HRR10b]. **Bikini** [Ano46b]. **Bikini-Atoll** [Ano46b]. **Bild** [Cah99, Sch49, Som49]. **Bilddokumenten** [Her73a]. **Bilder** [Ano48e, Ano48f]. **Bilder/Autoren** [Ano48e, Ano48f]. **Bildern** [Ano41a]. **Bildnis** [Pla48c]. **Bildnisse** [Ano53a]. **binärer** [Pla90b, Pla90e, Pla02e]. **binary** [Pla90b, Pla90e, Pla02e]. **Biographical** [BDR86]. **Biographie** [Sch65]. **Biographisches** [BDR86]. **Biography** [Nye06, Pla58a]. **Biologisch** [Cah99]. **Biologisch-Medizinischen** [Cah99]. **biophysics** [MSQM63]. **Biophysik** [MSQM63]. **birth** [Gri87, Nau16, Pla17a, Pla46a]. **Birthday**

[Bec09, Kem38, SR37, Ano38a, Ano57, Ano08f, Ano08a, Ber15, Brü48a, Din59, GSU07, HRR10b, Jac08b, Max58, Pla18a, Pla38a, Pla38b, Pla38c, Pla38g, PS58, Som18, Som38a, Wei58, Wes57, Zen38, vL33, vL38, vL58b].  
**birthday/The** [Wes57]. **bis** [Ano39, Büh98b, Fis10b, Fis12, Kan70, KK75, PS58, Sch78c, Thi71].  
**bisherige** [Jüt21, Pla20b, Pla20c, Pla22c, Pla58e]. **Björkborn** [BCS82]. **Bl** [MSQM63]. **Bl.** [MSQM63]. **Black** [Kuh78, Kuh87, Lon03a, Lon03b, Mul94, Pla12b, Pla12a]. **Black-body** [Kuh78, Kuh87, Lon03a, Lon03b]. **blackbody** [Gea08, Seg07a, War12].  
**Blaschke** [BBG<sup>+</sup>58]. **Blick** [Frö01, JDB<sup>+</sup>97]. **Bligh** [Cra27]. **Board** [Pla33g]. **Bodenstein** [Pla25c]. **Bodies** [Pla16d, Pla19e, Pla22d, Pla31b, Pla32g, Pla49e, Pla57a, Pla64b, Pla80, Pla16f].  
**Body** [MKD<sup>+</sup>91, Kir98a, Kuh78, Kuh87, Lon03a, Lon03b, Pla12b, Pla12a].  
**Boethius** [Thi71]. **Böhme** [Ano36]. **Bohr** [Adl03, Bro36, Pla19c, Ano23, HK89, HN70, MR82d, MR82e, Pla19c, Pla23c, Pla24c]. **Bohrsche** [Pla23c].  
**Bohrschen** [Pla24c]. **Bok** [Wor63]. **Boltzmann** [BFG81, Kör61, Bad09, Boy79, Koc91, Kör61, Sch00a, Yos95a].  
**Boltzmannstraße** [Kra97]. **bomb** [Cas09, Hop96]. **bombs** [Ano46c]. **Book** [A.50, Ano32, Ano14, Ber14, BDR86, Cah99, Cas86, Cra27, Dou49, Fal50, Fra25, Gea09, HB87, Hen60, Her03, Hib91, Hie68, Klo63, Koy52, Len49, McK27, Mic68, Mul00, Ole81, Par12, Pye88, RS49, Ros12, Rus50, San87, Sch04, Sta10, Swe89, Thi71, Tre01, You68, Hei35, Hei43a]. **booklet** [Pla33j].  
**books** [Hop96]. **Bosch** [Her03, Koh02, Koh02]. **Bose** [JDB<sup>+</sup>97, FMM96, JDB<sup>+</sup>97]. **bound** [Sti91]. **boundary** [Pla30g, Pla31a, Pla31f, Pla33b, Pla33e]. **bouquet** [Her01]. **Boyer** [Sac84].  
**Bragg** [Ole81]. **Brain** [Bre08]. **Braun** [Pla34c, Pla34a, Pla34b, Pla34c].  
**Braunschweig** [Ebe63]. **breakthroughs** [Lig05a, Lig05b]. **Breeding** [HH63, MAS63]. **Breitkopf** [Pla93d]. **brief** [JDB<sup>+</sup>97]. **brief/Max** [JDB<sup>+</sup>97].  
**brief/student** [JDB<sup>+</sup>97]. **Briefe** [Klo63, Prz63]. **Briefen** [Eck97b].  
**Briefmarken** [Ano53c]. **Brieftagebuch** [Tob08, HT99, Sch00b, Mul00, Sch04]. **Briefwechsel** [Kör61]. **Brillouin** [Pla88e, Pla88f, Pla89q]. **Brockhaus** [BPL<sup>+</sup>54]. **Brockhaus/Berichtigung** [BPL<sup>+</sup>54]. **broke** [BA01]. **broken** [Bro15]. **Brookes** [HKS<sup>+</sup>68]. **brosch** [Ano39]. **broschiert** [Sch00b, Som49]. **Brought** [Ano46d]. **Bruhat** [BBG<sup>+</sup>58]. **Brüssel** [Pla13e]. **Brussels** [Pla13e]. **Bruxelles** [LdB12].  
**Buchanan** [Pla88c]. **Buchbesprechung** [Jac02, Jac08a].  
**Buchbesprechungen** [BDR86]. **Bücher** [BBG<sup>+</sup>58, BBG<sup>+</sup>58]. **bumpy** [Bad15]. **Butterflies** [Ano46c]. **buys** [Ano14].  
**C** [Adl03, BDR86, Pla89e, Pla93b, Pla93d, BDR86]. **C.** [Pla93b, Pla94b].  
**Cabinet** [HRR10b]. **calculate** [Hol13]. **Calculation** [KZR<sup>+</sup>73]. **California** [San87]. **called** [Din39]. **Can** [Cha97, Bra14b, Cla89, Pla42f, MKD<sup>+</sup>91].  
**canonical** [Pla08e]. **can't** [Hof08a]. **Carathéodory** [SCP19]. **Carbon** [FSBR09]. **career** [Lem08]. **Carl** [HT99, Her03, Koh02, Mul00, Pla07b,



Pla15c, Sch00b, Sch04, Sch55, HT99, Koh02]. **Carnof** [Pla88d]. **Carnofsehen** [Pla89t]. **Carnot** [Pla92a, Pla92a]. **case** [Lüs00, Pic25, Rub12, Weg10]. **Cassidy** [Hop96]. **Cast** [Ano29a]. **Catastrophe** [Tib13]. **causal** [Pla32a]. **causality** [Pla23g, Pla32c, Pla32d, Pla32e, Pla37c, Pla41a, Pla48a, Pla52a, Pla53a, Pla55a, Pla55b, Pla58b, Pla65a, Pla67a, Pla33c]. **Cautious** [Bru02]. **cavity** [Iro05, Pla07d]. **cavity-mode** [Iro05]. **celebrate** [Pla15a, Pla24a, Pla28a, Pla29k, Pla29l]. **Celebration** [Hof96, Hof99, Brü38, Pla17a, Pla22b, Wei58, Pla38g]. **cemetery** [Ham72]. **Censorship** [Sch22]. **Centennial** [Hof99, Hol99]. **Central** [Ano11]. **Century** [Ano47c, Bra09, Eck97b, Hof48, Lig05a, Lig05b, Yos95a, Sch96]. **ceremonial** [Pla35e]. **Ceremony** [Ano46d, Ano48d, Haa75, Pla14d, Pla27a]. **Cermak** [SH53]. **Ch** [BT58, DT58, Pla88b, Pla89h, Pla89f, Pla89g, Pla98a]. **Ch.** [Pla89a, Pla89b]. **Chair** [AH93]. **Chairman** [Pla22f]. **change** [Bre08]. **Changeable** [Hui13]. **changed** [MAS63]. **channel** [SNE01]. **chapter** [Pla39c, Pla52d, Pla53d, Pla55e]. **Characteristics** [Ano21]. **Charge** [Luc30, JDB<sup>+</sup>97]. **Charles** [Ano48j]. **Chatelier** [Pla89p, Pla34a, Pla34b, Pla34c, Pla34a, Pla34b, Pla34c]. **Chemical** [Pla08a, Pla21a, Pla22a, Pla88a]. **Chemie** [Ber15, BBG<sup>+</sup>58, Hei69, Pla88b, Ano48i]. **Chemie/Becker** [Ano48i]. **Chemie/Spitzer** [BBG<sup>+</sup>58]. **Chemiker** [Ano46b, Ano46c]. **Chemiker/Das** [Ano46b, Ano46c]. **Chemisch** [Cah99]. **Chemisch-Physikalisch-Technischen** [Cah99]. **chemische** [Pla88a, Pla21a, Pla22a]. **chemischen** [Pla89p]. **Chemischer** [BBG<sup>+</sup>58, Ano02]. **chemist** [Ano46c]. **Chemistry** [Cra84, Par12, Ber15, Hei69, KZR<sup>+</sup>73]. **Chemistry/Max** [KZR<sup>+</sup>73]. **Chemistry/Max-Planck-Medaille** [KZR<sup>+</sup>73]. **chest** [Iva59b]. **chimique** [Pla08a]. **choice** [Pla70]. **Christentums** [Löh12]. **Christianity** [Löh12]. **chromodynamics** [Lüs00]. **ciência** [FV12]. **cinematography** [KGSO55]. **city** [Pla10a, Ano21]. **Clara** [Wes57]. **Classic** [Ped75]. **Classical** [Nee80, Boy83, BRS03, CG00, CG03, CC03, Cha97, Kra76, TP76]. **Clausiu** [Pla05b]. **Clausius** [Pla92a]. **Clausius'sche** [Pla92a]. **Clausthaler** [HD48, HD48]. **clears** [Bre08]. **Clerk** [Pla31c, Tho31]. **Climate** [Bre08]. **clock** [Ano11]. **close** [Kir98b]. **closing** [Kut14b]. **cloth** [Pic25]. **Club** [Bra14b]. **cm** [C.49]. **Co** [Ano13, Cra27, Jüt11, Jüt18b, McK27, Sch65]. **Cobalt** [VD47]. **cognition** [Pla10i]. **coin** [Ano70]. **Colleagues** [Hof08f]. **Collected** [Ano58, BDR86, KKRS96]. **Collection** [Fra25, Iva59a, Pla22h, Pla25d, Mic68, Pic25]. **College** [Ano21]. **Collision** [KZR<sup>+</sup>73]. **Collocation** [Sch17]. **Columbia** [Pla10a, Pla09e, Pla10a, Pla15g, Pla12a, Pla15e]. **combined** [Bec09]. **Coming** [Hop96]. **Commemorating** [Ano08e, MH97, Her72]. **Commemoration** [Pla28c, JDB<sup>+</sup>97, Tho31, Ano49a, Brü48a, HD48]. **commemoration/WE** [JDB<sup>+</sup>97]. **commemoration/WE-Heraeus-program** [JDB<sup>+</sup>97]. **commencement** [Pla14f, Pla16e, Pla23h]. **Comment**

[BF12, Boy84, BFG81, CG03, CC03, Kra76, Sac84, TP76, Pla15b].  
**Comments** [Alb93, Kir98b, Pla00a, Pla35b, Spr89, Wes40]. **Commission** [BT58, DT58]. **communication** [Pla97c, Pla97d, Pla97b, Pla98c, Pla99c, Pla15d, Pla15e, Pla17d, Pla17e, Pla29a, Pla29n, Pla31f, Pla33e, Pla41c].  
**Company** [Pic25]. **Competes** [Bla88]. **complete** [Pla59a]. **completion** [MR00]. **Compression** [Pla89a, Pla89f]. **comprimirt** [Pla89g].  
**compromises** [Hei07]. **Computing** [Luc30, KZR<sup>+</sup>73]. **concept** [Pla32c, Pla32d, Pla32e, Pla37c, Pla41a, Pla48a, Pla52a, Pla53a, Pla55a, Pla55b, Pla58b, Pla65a, Pla67a]. **concepts** [Lon84, Lon03c]. **Concerning** [Nag82]. **condensate** [JDB<sup>+</sup>97]. **conductive** [Pla05a]. **conductors** [Pla89y].  
**conférence** [Pla08a]. **confinement** [JDB<sup>+</sup>97]. **conflict** [Hof08f]. **confusing** [Ano53b]. **congratulations** [SR37]. **Congress** [KGSO55, Pla13e, Str11a].  
**Congressitus** [Ano59]. **connection** [Pla13h, Pla14g]. **conoscenza** [Pla42b, Pla43a, Pla49c, Pla54a, Pla54b, Pla64a, Pla93a]. **conscience** [Hei88c]. **consensus** [Lev17]. **consequences** [Mun36]. **conservation** [Pla87a, Pla08c, Pla13b, Pla21b, Pla15b, Weg10]. **Conservative** [CM08].  
**Constant** [Ano12, BF12, Bir19, Cha14, Gra69, Has14, Hol99, Inf61, KM12, Lon45, Luc30, Men17, Noe73, VD47, WB78, Why50, WSNO98, Ano47c, Cha97, FGH91, MR98, Mü108b, Peg77, Pla06b, Pla15c, Pla21a, Pla22a, Sti91].  
**constante** [Pla89g]. **constantem** [Pla89g]. **Constants** [RB01, Gré19, Mey08, Qui17]. **constitution** [Pla87b, Pla87f, Pla88l, Pla09d].  
**Constructions** [Set03]. **Contemporary** [Sch22, CH01, Pla13c, Pla13d, Pla14c, Thi69]. **content** [OT97, Pla10h].  
**Context** [Hof01, Bro83, Sin08]. **continuità** [Ros08]. **Continuities** [Dar00].  
**Continuity** [Koc91, Ros08]. **contraction** [Pla10f]. **contradiction** [Pla00b].  
**contro** [Ros12]. **control** [KGSO55]. **controversial** [Wol08]. **controversy** [Thi69]. **conversion** [Gor91]. **cooling** [JDB<sup>+</sup>97]. **cooperation** [Wol08].  
**cooperative** [Wol08]. **Copley** [Ano29c]. **core** [Pla93a]. **corps** [Pla09c, War12]. **corpuscular** [Pla40b, Pla40c, Pla41c]. **Corrected** [BT58, DT58]. **Correction** [Din46b, Ein07a]. **corrections** [Par94].  
**Correspondence** [Pet14, HK89, Hof08b, Kör61, Prz11]. **cosmic** [Bre08].  
**Cottam** [KAR89]. **couple** [Bad09]. **Courageous** [GSU07]. **Couragierte** [GSU07]. **Courant** [BBG<sup>+</sup>58]. **Crazy** [Arr06]. **creation** [Kan70]. **creative** [Shp58a]. **Creativity** [MKD<sup>+</sup>91]. **creators** [Str11b]. **Cremer** [GBM<sup>+</sup>49].  
**crisis** [Pla29g, Yos95a]. **critical** [Pla09f, Sch78c]. **criticism** [Sch91, Vog61, Yos95c, Pla00d]. **crossroads** [ET07]. **cuánticas** [W<sup>+</sup>87, WdC02]. **Cuestiones** [W<sup>+</sup>87, WdC02]. **Curies** [Kae48]. **current** [Pla20b, Pla20c, Pla22c, Pla58e]. **curriculum** [Pla20b]. **cycles** [Pla05b].

## D

[BPL<sup>+</sup>54, Hib91, Kra97, Pic25, Pla89k, Pla89l, Pla06f, Pla20b, Pla23g, Pla38g].  
**D-14195** [Kra97]. **d'action** [Pla12a, Som12]. **Daeves** [GBM<sup>+</sup>49]. **Dagmar** [Cah99]. **Dahlem** [Kra97, Ano36, Pla35c, Pla35d, Pla37d, Pla45a, Pla45b].  
**damped** [Pla96c]. **dampened** [Pla97e]. **Dampf** [Pla89w]. **Dämpfe**

[Pla89g, Pla89b, Pla89h, Pla98a]. **Dampfes** [Kir98b, Pla89g].  
**Dampfspannung** [Pla88i, Pla88k, Pla88h, Pla98a]. **Dämpfung** [Pla97a].  
**damping** [Pla97a]. **Dankworte** [Pla27a]. **dans** [Pla63a, Rub12]. **daraus**  
[Cla89]. **dargebracht** [Pla30f]. **dargestellt** [Ano39, Ano34]. **dark** [Kra12].  
**Darstellende** [GBM<sup>+</sup>49]. **Darstellung** [Sch78c]. **Darwin**  
[Ano48j, DdCA48]. **Dasselbe** [Pla89p, Pla89p]. **date** [Pic25]. **David** [Hop96].  
**d'azione** [Ros08]. **dazu** [Jüt22, Pla89o]. **De-anthropomorphizing** [Weg10].  
**Dead** [Ano47c, Ano47d]. **Dear** [KSB63]. **Death** [Ano47a, Ano97a, Ano97b,  
Eck97a, Ham72, MH97, Pla57d, RH97, Wes57, Ano46c]. **debate** [Löh12].  
**Debatte** [Löh12]. **Debye** [Pla37f, Pla19c, Pla37f]. **Debyeschen** [Pla19c].  
**decades** [Haa70]. **December** [Pla09c, Pla29e, Pla29f]. **déchirée** [Hei88c].  
**Deeper** [Bla92]. **defiant** [Bra14b]. **Definition**  
[CS79b, Pla25b, Ros59a, Ros59b]. **deflection**  
[Pla06d, Pla06e, Pla07a, Pla07c]. **Deformable**  
[Pla16d, Pla19e, Pla22d, Pla31b, Pla32g, Pla49e, Pla57a, Pla64b].  
**Deformationen** [Pla88f, Pla89q]. **Deformierbarer**  
[Moo23, Pla16d, Pla19e, Pla22d, Pla31b]. **degrees** [Pla15d, Pla15e]. **deinen**  
[MKD<sup>+</sup>91]. **del**  
[Pla42b, Pla43a, Pla49c, Pla54a, Pla54b, Pla64a, Pla93a, W<sup>+</sup>87, WdC02].  
**Delivered** [Pla09e, Pla12a, Pla15g, Pla15e]. **Democratic** [WC91]. **demone**  
[Ros12]. **Denkens** [JDB<sup>+</sup>97]. **Denker** [BPL<sup>+</sup>54, Har38, Har43, Har48,  
Har53a, Har53b, Har58, Har64a, Har64b, Hen60]. **Denker/Morrison**  
[BPL<sup>+</sup>54]. **Denkmal** [Uns58]. **Denkmal/Kongressitis/Internationale**  
[Ano59]. **density** [Pla03e, Pla05a]. **dependence** [MR98]. **depleted**  
[Pla30g, Pla31a, Pla31f, Pla33e]. **Derivation**  
[Boy83, SNE01, Boy84, Pla01g, Pla23b, Pla95, Pla97, PHR07, Sac84].  
**derivations** [Kra76, TP76]. **Derived** [Din46c, Foo16]. **deriving** [Iro05].  
**derniers** [Pla60a, Pla91a]. **Description** [Bro36]. **Design** [Kut14a].  
**Design-Fehler** [Kut14a]. **Designer** [Kut14b]. **Designierten** [BWN78].  
**Desk** [Pla30b]. **Despair** [Büh98a, Dar00]. **desselben** [Kir98b].  
**Determination** [Men17, Mil16, VD47]. **Determinism**  
[Pla38e, Pla47a, Pla48b, Pla52b, Pla53b, Pla55c, Pla58c, Pla65b, Pla67b].  
**Determinismo** [Pla47a]. **Determinismus**  
[Pla38e, Pla48b, Pla52b, Pla53b, Pla55c, Pla58c, Pla65b, Pla67b]. **Deutsche**  
[Ano46b, BWN78, HW07, vL58b]. **Deutschen**  
[Ano46b, Ano48a, Ano48c, Koy52, Pla18a, Pla36c, Pla39c, Pla48f, Pla52d,  
Pla53d, Pla55e, Sch49, Som49, WvLuAE18, Pla29e, Pla29f]. **Deutscher**  
[Ber60, Ebe63, Pla30f]. **Deutschland** [Ano46b, Eck97a, Sti84, Pla31c].  
**Deutschland/Amerikanischer** [Ano46b]. **Deutschland/Max** [Ano46b].  
**Deutung** [Pla16a]. **developed** [Pla03c]. **Development**  
[Ber14, Pla20d, Pla22g, Pla10a, Cra27, Fal59, Gri87, JDB<sup>+</sup>97, Pla91a, Pla20b,  
Pla20c, Pla22c, Pla58e, Cla91]. **Developments** [HKS<sup>+</sup>68]. **Deventen**  
[Pla88b]. **Dezember** [Pla29e, Pla29f, Pla09c]. **Dialogue** [EM32, Ein77].  
**Diamond** [JDB<sup>+</sup>97]. **diary** [HT99, Tob08]. **diatomic** [Hol13, Pla15c].

**Dibble** [KZR<sup>+</sup>73]. **Dichte** [Pla89w, Pla03e, Pla05a]. **dictatorship** [Hof00].  
**Did** [Har59]. **died** [Ano47a]. **Dielectric** [Gra69]. **dielectrics** [Pla03h]. **dies**  
 [Ano47e]. **dieses** [Pla06a]. **difference**  
 [Pla90b, Pla90e, Pla27e, Pla29a, Pla29n]. **different** [Pla80]. **Differential**  
 [Sch17, GBM<sup>+</sup>49]. **Differential-** [GBM<sup>+</sup>49]. **difficulties** [MR82d, MR82e].  
**Diffusion** [Pla92c, Pla35f]. **Diktatur** [Hof00]. **dilemma** [Gré19]. **Dilemmas**  
 [Cas86, HB87, Hop96, Pye88, San87, Swe89, Hei86a, Hei88b, Hei00]. **dilemmi**  
 [Hei88b]. **dilute** [Pla87b, Pla87f, Pla88a, Pla88i, Pla88k, Pla88j, Pla88l,  
 Pla90b, Pla90e, Pla27e, Pla29n]. **diluted** [Pla29a]. **dimensional** [Bae01].  
**DIN** [Som49]. **Dinge** [Hei69, MSQM63]. **Dingler** [Ano41b, Mos42]. **Dipole**  
 [Fok14, Pla15h]. **dipoles** [Fok14, Pla15h]. **Dirac** [Ano52]. **Direct** [Mil16].  
**Dirk** [Cah99, Kra97]. **Disagreements** [Dar01]. **Discipline** [WC91].  
**disciplines** [Sti84]. **Discontinuities** [Dar00]. **Discontinuity**  
 [BDH<sup>+</sup>00, Kuh78, Kuh87]. **Discovered** [Ano47c]. **discoveries**  
 [Bra09, Lig05a, Lig05b, Seg07b]. **discovery**  
 [Ano46c, Hei58, Kae48, MR82a, Pla37i, Pla43c]. **Discusses** [Ano23].  
**Discussion** [Bla78, Nag82, Pla00a, Pla09d]. **discussions** [LdB12, RS80].  
**disintegration** [Fis07, Fis10a]. **Diskussion** [Pla09d]. **Dispersion**  
 [Pla02d, Pla05a, Pla04a, Pla07g, Pla08g, Pla04a, Pla07g, Pla08g].  
**displacement** [Pla06b]. **Dissertation** [OT97]. **Dißmann** [Kra03].  
**dissociation** [Pla88j, Pla02e, Pla19c]. **Dissoziation** [Pla88j].  
**Dissoziationstheorie** [Pla02e]. **Dissoziationswärme** [Pla19c].  
**Distribution** [Pla00i, Pla01a, Pla69b, Pla78a, Ano48a, Boy79, BFG81,  
 Kan70, NK06, Pla94c, Pla95b, Pla01b, Pla02b, Pla15h, Pla22i, Sch78d].  
**Disziplinen** [Sti84]. **Divided** [Hof99]. **DM** [Ano89, Dri01, Ebe63, Sac69,  
 Sch49, Sch00b, Sch65, Som49, Wei68, You68, Ber60, Sch55]. **do** [FV12].  
**Dobzhansky** [Adl03]. **doctor** [Pla29k, Pla29l]. **doctoral** [vL39]. **doctorate**  
 [Pla29b, Sch29]. **Doctors** [Hop96]. **Doctrine** [Ano37]. **document** [Her76].  
**documentary** [HMF98]. **Documents** [Bla92, Her73a]. **Doga** [Pla15g].  
**Doktor** [vL39]. **Doktor-jubilaum** [vL39]. **Doktorjubiläum**  
 [Pla29b, Sch29]. **Doktorjubiläums** [Pla29k, Pla29l]. **domaine** [Rub12].  
**d'onde** [Rub12]. **Dörge** [GBM<sup>+</sup>49]. **Dr**  
 [Ano02, Ano29b, Ano30b, Ano34, Ano36, Ano41b, Ano41a, Ano46b, Ano46c,  
 Fra31, Her24, McK27, Mis33, Mos42, Pla19d, Pla15c, Sch55, Wil37]. **Dr.**  
 [Ano23, Ano29a, Ano46c, Pla07b, Pla08d]. **Drei** [Ano69]. **Dreistellige**  
 [GBM<sup>+</sup>49]. **Dresden** [Pla29e, Pla29f, Pla29e, Pla29f]. **Dritte**  
 [Ano36, Pla97b]. **Dritten** [HW07]. **Dritter** [Pla37a, Pla15c]. **driven**  
 [Bro15, SDF14]. **Drohen** [Bre08]. **Druck** [Pla03e, Pla90a]. **Drucken**  
 [Pla89g]. **Drude** [Pla06a, Pla06f, Pla06a, Pla06f]. **Dtsch** [Pla06f, Pla38g].  
**Duhem** [Pla89p, Pla89i, Pla89r, Pla89s]. **Durch** [Ano46b, Ano49b, Ano49c,  
 JDB<sup>+</sup>97, Kan69, Pla95a, Pla96a, Pla96c, Pla97e, Yos95a]. **durchstrahlten**  
 [Pla01g]. **durée** [Wal94]. **Dürfet** [BPL<sup>+</sup>54]. **during** [Hac07, Kir79]. **Dutch**  
 [van48]. **Dutton** [Pic25]. **duty** [Fis08b]. **Dynamic** [Pla14d]. **Dynamics**  
 [Nee80, Pla7, Gio24, MR98, Pla06d, Pla06e, Pla07f, Pla07a, Pla08a, Pla08b,

Pla08f, Pla09a, Pla17b, KZR<sup>+</sup>73]. **Dynamics/Lipson** [KZR<sup>+</sup>73]. **Dynamik** [Pla06d, Pla06e, Pla07f, Pla07a, Pla08f, Pla17b, Pla08a, Pla08b, Pla09a]. **Dynamische** [Jüt17, Pla14d].

**E.** [Klo63]. **e.V** [Ebe63]. **each** [Pla14i, Pla14j, Pla25f]. **Early** [Kan76]. **Ears** [Hui13]. **Easter** [Pla11c, Pla11d]. **Eckener** [Ano46b, Ano46c, Ano46c]. **écrits** [Pla60a, Pla91a]. **Ed** [Hie68, Pla15c, Ber14]. **Eddington** [Adl03]. **edited** [Mic68]. **Edition** [Ber14, Tre01, Cla91, McK27, Ber14]. **Editor** [Hof08a]. **Editors** [Ber60]. **edits** [Pye83, Pye85a, Pye08]. **Eduard** [Pla15f]. **Edward** [Cra27]. **Effect** [Har98, Pla00b, Pla13e]. **Effecte** [Pla89m]. **effective** [CG00, CG03, CC03]. **effects** [Pla15i]. **Effektes** [Pla00b]. **Ehren** [Som38b]. **Ehrenmitglieds** [Pla38g]. **Ehrung** [Ano46b]. **Eigenschaften** [Pla03g]. **Eight** [Pla09e, Pla15g, Pla98, Pla12a, Pla15d, Pla15e, Pla10a]. **Eighth** [Pla7]. **Eightieth** [Kem38, Pla38a]. **Eighty** [Hei38]. **Einakter** [HRR10a, HRR10b]. **einatomiger** [Pla08e, Pla16f, Pla25h]. **einem** [Ano34, Ano36, Ano39, Ano41a, Pla00f, Pla02c, Pla04a, Pla07d, Pla15h, Pla39c, Pla52d, Pla53d, Pla55e, Sch55, Wil37]. **Einfache** [Pla88b]. **Einfluss** [Pla89s]. **Einführung** [Fra31, BBG<sup>+</sup>58, Fra31, HKS<sup>+</sup>68, Moo23, Pla16c, Pla16d, Pla19e, Pla21c, Pla22d, Pla22e, Pla30a, Pla28b, Pla31b, Pla37e, Pla15f]. **Einführungsmathematik** [Ano48i]. **Einheit** [Pla09b, Pla09c]. **einige** [Kir98b, Sch65, Hah57, Pla89r]. **einiger** [Pla88b]. **Einigkeit** [KSB63, MSQM63]. **einleitende** [Ano11]. **Einstein** [Adl03, Ano69, Hie68, Hof08f, JDB<sup>+</sup>97, Klo63, Mic68, Pla09d, Prz63, Prz86, Sim06, Acz01, Acz03, Ano21, Ano29a, Ano69, Bla88, Bre08, BRS03, FMM96, Gut15, Hof08f, JDB<sup>+</sup>97, KKRS96, Lev04, MR82d, MR82e, Mun36, Pla09d, Prz11, Pye85b, RS80, Sch00a, SDF14, Sim06, Sto13, Yos95a]. **Einstein-Kondensat** [JDB<sup>+</sup>97]. **Einsteins** [Ano69]. **Einwand** [Pla92b]. **Eismassen** [Bre08]. **Eispunkt** [Kir98b]. **Eitz** [Pla93d, Pla93b]. **Elaboration** [Gol76]. **electric** [Pla95a]. **electrical** [Fok14, Pla96a, Pla96c, Pla97e, Pla97a]. **Electricität** [Pla90c]. **electricity** [Pla90d, Pla90c, Pla98b, Pla99a, Pla01e, Pla22e, Pla32h, Pla35g, Pla35h, Pla49h, Pla57b, Pla78b, Pla93c]. **electrische** [Pla97e]. **electrischer** [Pla96a, Pla97a]. **electrodynamics** [Boy83, Pla15i]. **electrolysis** [Pla92c]. **electrolyte** [Fal59, Pla31a, Pla90e]. **Electrolyten** [Pla90c]. **electrolytes** [Pla90d, Pla90c, Pla90b, Pla90e, Pla02e, Pla30g, Pla31f, Pla33b, Pla33e, Pla35f, Pla35g, Pla35h]. **Electromagnetic** [Ano21, Boy83, FMM96, Pla02d, Pla03h, Pla23b, Pla95, Pla97, PHR07]. **Électromagnétisme** [Pla39a]. **Electron** [Luc30]. **electronic** [Pla19d]. **electrons** [Pla06d, Pla06e, Pla07a, Pla13i]. **Elektricität** [Pla01e]. **elektrische** [Pla96c]. **elektrischer** [Fok14, Pla95a]. **Elektrizität** [Pla90d, Pla99a, Pla22e, GBM<sup>+</sup>49, Pla98b, Pla78b]. **Elektrizitätserregung** [Pla35g, Pla35h]. **elektro** [Pla03h]. **elektro-magnetischen** [Pla03h]. **Elektrodynamik** [Pla15i]. **Elektrolyse** [Pla92c]. **Elektrolytarbeiten** [Fal59]. **Elektrolyte** [Pla31f, Pla33e, Pla90b, Pla02e, Pla30g]. **Elektrolyten**

[Pla90d, Pla35f, Pla35g, Pla35h]. **elektromagnetischen**  
 [Pla02d, Pla23b, Pla95, Pla97, PHR07]. **Elektronen**  
 [Pla13i, Pla06d, Pla06e, Pla07a]. **Elektronenbahnen** [Pla19d].  
**Elektronenmikroskopie** [HKS<sup>+</sup>68]. **Elektronenmikroskopie/Brookes**  
 [HKS<sup>+</sup>68]. **Elektronenoptik** [GBM<sup>+</sup>49]. **Elektronenoptik/Hahn**  
 [GBM<sup>+</sup>49]. **Elektronenstrahloszillographen** [GBM<sup>+</sup>49].  
**Elektronenstrahloszillographen/Cremer** [GBM<sup>+</sup>49]. **élément** [Som12].  
**élémentaires** [Pla12a]. **Elementare** [KZR<sup>+</sup>73]. **elementaren** [Pla13e].  
**Elementarquanta** [Pla01e, Pla78b]. **elementary**  
 [Pla01e, Pla13e, Pla78b, Pla03c]. **Elements** [Ano23]. **Elfenbeinernen**  
 [Jos95]. **elliptically** [Pla00f, Pla02c]. **elliptisch** [Pla00f, Pla02c]. **Elster**  
 [Ber15, MKD<sup>+</sup>91, Ber15]. **emergence**  
 [Hof08d, Pla20b, Pla22c, Pla20c, Pla58e]. **Emergency** [Pla29e, Pla29f].  
**Eminent** [Ano47d]. **Emission** [FSBR09, Kir98a, Pla95a, Pla96a, Pla15b].  
**emissions** [Pla11f]. **emitted** [Pla00f, Pla02c]. **emittierte** [Pla00f, Pla02c].  
**Emissionsvermögen** [Kir98a]. **Emperor** [Pla17a]. **Employed** [Ano23].  
**endgültige** [Sch78a]. **endothermische** [Pla89t]. **energetics** [Pla96b].  
**Energetik** [Pla96b]. **Energie** [Fok14, Hol13, Pla01b, Pla02b, Pla22i, Pla87a,  
 Pla00f, Pla02c, Pla08c, Pla13b, Pla21b, Pla15b, Pla88g, Pla11c, Pla11d].  
**Energien** [LMOS15]. **Energies** [LMOS15]. **Energieschwankungen**  
 [Pla23d, Pla23d]. **Energieverteilung**  
 [Ano48a, Kan70, Pla00i, Pla01a, Pla15h, Pla78a, Thi71].  
**Energieverteilungsgesetz** [Sch78d]. **Energy**  
 [Pla00i, Pla01a, Pla69b, Pla78a, Ano48a, Fok14, Hol13, Kan70, Kra12, Pla87a,  
 Pla00f, Pla01b, Pla02c, Pla02b, Pla08c, Pla13b, Pla15h, Pla21b, Pla22i,  
 Pla23a, Pla15b, Sch78d, Sin08, Weg10, Pla11c, Pla11d, Pla23d]. **Engelmann**  
 [Ano02]. **Engineers** [HKS<sup>+</sup>68]. **English** [McK27]. **Enrico**  
 [KGSO55, KGSO55]. **Entanglement** [Acz01, Acz03]. **Entdeckung**  
 [Ano46b, Hei58, Pla37i]. **enthalten** [Pla89g]. **entire** [Ano14]. **entitled**  
 [Duh88]. **entrepreneurship** [JDB<sup>+</sup>97]. **Entropie**  
 [Pla87c, Pla87d, Pla87e, Pla91b, Pla16f, Pla21a, Pla22a, Duh88, Ros59a,  
 Ros59b, Pla00c, Pla04b, Pla25b]. **Entropiedefinition** [Pla25e].  
**Entropiekonstante** [Pla15c]. **Entropy** [CS79b, Kle63, Pla03b, Ros79,  
 Duh88, Pla87c, Pla87d, Pla87e, Pla91b, Pla04b, Pla05b, Pla15c, Pla16f,  
 Pla21a, Pla22a, Pla25b, Pla25e, Ros59a, Ros59b, Pla00c]. **Entstehung**  
 [Gea09, Hof08d, Jüt21, Pla20b, Pla22c, Sti84, Pla20c, Pla58e]. **entwickelt**  
 [Pla89c]. **Entwicklung**  
 [Cla91, JDB<sup>+</sup>97, Jüt21, Pla91a, Pla20b, Pla20c, Pla22c, Pla58e, Fal59].  
**entwined** [Her01]. **environment** [PS33]. **Epilogue** [EM32, Ein77].  
**episodes** [Bra09]. **Epistemic** [Ber14]. **Epsilon** [Hop96]. **Equation**  
 [Has14, Lew30, Pla00g, Pla69a, Pla08e, Pla78c, Ris96, vK97]. **Equations**  
 [Sch17, MR82c, Pla06c, SNE01]. **equilibria** [EH08b]. **equilibrium**  
 [CG00, CG03, CC03, Pla83, Pla88a, Pla08b, Pla80]. **era** [Hac07, Hop96].  
**Erckmann** [BBG<sup>+</sup>58]. **Erde** [GBM<sup>+</sup>49]. **Erde/Becksmann** [GBM<sup>+</sup>49].

**Erdgeschichte** [GBM<sup>+</sup>49]. **Erdgeschichte/Kropp** [GBM<sup>+</sup>49].  
**Erforschung** [Fis10b, Fis12]. **Erhaltung**  
 [Pla87a, Pla88g, Pla08c, Pla13b, Pla21b, Pla15b]. **erhobenen** [Pla92b].  
**Erinnerungen** [Hah57, Pla35e, Pla46b, BFV<sup>+</sup>48, Dri01, HR01, Jac02,  
 Kra02a, Kra02b, Pla30b, Pla49k, RH01, Len49]. **Erinnerungsschrift**  
 [Ano48c, Koy52, Pla48f, Sch49, Som49]. **Erkenntnis**  
 [Ano32, Mis33, Pla10i, Pla13h, Pla14f, Pla16e, Pla23h, Pla33h, Pla43b,  
 Pla44b, Pla45e, Som33, Zil33, Hei43a, Pla34e, Reg34, HPE<sup>+</sup>33]. **Erklärung**  
 [Pla89o]. **Ernest** [Ole81]. **Ernst** [Ano34, Ano36, Ano39, Ano41a, Ano47e,  
 Ano02, Ano08d, Bor48, Bor63b, Hai11, Kan08, Sac69, Thi69, Wil37, van10,  
 Bla92, FS06, Hui13, Thi69, Weg10, Yos95b, KSB63]. **Eröffnet** [Ano46b].  
**Eröffnet/88** [Ano46b]. **Eröffnung** [Ano11]. **Eröffnungsrede** [Pla22f].  
**erregt** [Pla96c, Pla97e]. **Erregung** [Pla90d, Pla90c]. **ERS** [Sch00b].  
**ERS-Verlag** [Sch00b]. **ersetzen** [Ano70]. **Erste** [Ano46b, Pla97c]. **Erstes**  
 [JDB<sup>+</sup>97]. **Erstveröffentlichung** [Her76]. **erweitert** [Sch65]. **erweiterte**  
 [Ano39, Ano41a, Jüt11]. **Erweiterung** [Pla88d, Pla17b]. **Erwiderrung**  
 [Pla13f]. **Erwiderung** [BP24, EP06, FP27, MP19, PP25, PP79, Pla29c,  
 SCP19, SP29, Sch61, WvLuAE18, vLP21, Pla92b, Pla03f, Pla10i, Pla18a,  
 Pla23e, Pla25c, Pla37f, Pla38f]. **Erwiderungen** [Kir79]. **Erwin**  
 [Adl03, Bro36, KK75, Mic68, Pla28d, Prz86, Wes57, Ano11, MR87, Pla28d,  
 Prz11, Wes57]. **erzählt** [FS06]. **escritos** [W<sup>+</sup>87, WdC02]. **especial** [Pla03c].  
**Essay** [Hop96]. **Essays** [Fra25, Pla22h, Pla25d, Sch96, Cla91, Pic25, Pla28d].  
**Essen** [KGSO55]. **establishment** [Din39]. **Esteemed** [Ano43b]. **etc**  
 [Ein07a]. **etc.** [Ein07a]. **Ether** [Ano21, Pla01b, Pla02b]. **Euer** [Tob08].  
**Eulogy** [van10, Haa75]. **Europa** [JDB<sup>+</sup>97]. **Europa/Quasiteilchen**  
 [JDB<sup>+</sup>97]. **Europäischer** [Ano48i]. **Europe** [JDB<sup>+</sup>97].  
**Europe/quasiparticles** [JDB<sup>+</sup>97]. **Evaluation** [Has14]. **Evaporation**  
 [Pla82]. **Even** [Tib13]. **events** [Pla33c]. **Ever** [Fra05]. **Everything** [Law15].  
**Evidence** [Noe73, Pla94c, Pla95b]. **Evolution** [Kut14a, Cra27, Kut14a].  
**Ewald** [Hos78]. **Exact** [Pla49d, Pla42d, Pla42a, Pla42e]. **Exactly** [Tib13].  
**exakten** [Ano02, Ano29b, Pla42d, Pla42a, Pla42e]. **excerpt** [Pla48d].  
**excitation** [Pla90d, Pla35g, Pla35h, SDF14]. **Excitations** [KAR89]. **excited**  
 [Pla96c, Pla97e]. **excitement** [Pla90c]. **Exhibition**  
 [Uns67, Ano11, Bad08, Ano97a]. **Exiles** [Fra05]. **expandierende** [Bre08].  
**expanding** [Bre08]. **Expansion** [Pla89a]. **expansions** [Sti91]. **Expelled**  
 [MP01]. **Experiment** [Ano46b, Tib13]. **Experimental**  
 [Hof01, Her58, BPL<sup>+</sup>54, War12]. **expérimentale** [War12].  
**Experimentalphysik** [WF63]. **experimentelle** [Her58]. **Experimenting**  
 [Sch03]. **Experiments** [Pla89o]. **expert** [Ano47e]. **Explain** [Ano23].  
**Explains** [Ano21]. **Exploring** [BRS03]. **Exposition** [Ano21]. **extension**  
 [Pla17b]. **external** [Pla31e]. **extinction** [Pla04a]. **Extinktion** [Pla04a].  
**Extraordinary** [Gib19]. **eye** [Bre08].  
**F** [Ano48i, BPL<sup>+</sup>54, Hei31, Pla89j]. **FA** [KGSO55, KGSO55]. **face** [Hof08a].

**Fachhochschulen** [JDB<sup>+</sup>97]. **Fachhochschulen/Einstein** [JDB<sup>+</sup>97].  
**Facsimile** [Ano48a]. **Facts** [Law15, Mes07]. **Faculty** [Pla09c]. **Failure** [Nee80]. **Faith** [Pla30i, Pla88b]. **Faithfully** [Tob08]. **Faksimile** [Ano48a].  
**fakultät** [Pla09c]. **Falk** [MKD<sup>+</sup>91]. **Fall** [Lüs00, Men73]. **Fallacy** [Ano21].  
**Familie** [vP06]. **family** [vP06]. **famosos** [W<sup>+</sup>87, WdC02]. **famous** [W<sup>+</sup>87, WdC02]. **far** [CG00, CG03, CC03]. **Faraday** [Pla00b, Pla00b].  
**Faraday-Effektes** [Pla00b]. **Farben-Fernsehen** [Ano46b]. **Farkas** [Pla89n].  
**Farm** [Hop96]. **Fast** [KSB63]. **fate** [HS97]. **Favor** [Bla88]. **Feast** [Som38b].  
**Februar** [Pla94a, Pla36c]. **February** [Pla94a, Pla36c]. **Fehler** [Kut14a].  
**Feier** [Hof96, Jüt17, Jüt18a, Pla14d, Pla15a, Pla17a, Pla22b, Pla24a, Pla28a, Pla29k, Pla29l, Pla35e, Pla38g]. **Feld** [BPL<sup>+</sup>54]. **Felde** [Pla01g]. **Fermi** [KGS055, KGSO55]. **Fernsehen** [Ano46b]. **Ferromagnetism** [HD48].  
**Ferromagnetismus** [HD48]. **Ferromagnetismus/Clausthaler** [HD48].  
**Fest** [Brü38]. **Festen** [Ano48i]. **Festessen** [Som38b]. **Festival** [BDR86, HRR10b]. **Fest** [HRR10a, HRR10b]. **Festrede** [BDR86]. **Festsaal** [Ano11]. **Festschrift** [Ber15, GSU07, Pla30f, Ber60, Ber15, KMP59, Pla30f].  
**Festsitzung** [Pla35e]. **Festvortrag** [Ano11]. **Few** [MKD<sup>+</sup>91]. **Few-Body** [MKD<sup>+</sup>91]. **Fiat** [Ano48i]. **Ficker** [FP27]. **field** [Fok14, Haa70, Pla01g].  
**Fields** [Ano21, Ber15]. **Fifth** [Pla99c]. **fiftieth** [Sch29]. **Fifty** [Kae48, SB51, Pla29b, Pla30f, Pla62]. **fifty-years** [Pla29b]. **Figuren** [Ano13, Fra31, Jüt18b]. **film** [Pla42c]. **filmed** [Bre08]. **Filmportrait** [Pla42c]. **fizyczny** [Pla70]. **final** [Lon84, Sch78a]. **final-year** [Lon84].  
**Fine** [Why50]. **Fine-Structure** [Why50]. **firm** [Ano46c]. **First** [Ano16, Ano29a, JDB<sup>+</sup>97, Tib13, Her76, Pla36c, Str11a, Pla87c, Pla97c, Pla15d, Pla17d, Pla22f]. **Fischer** [FS06, Jac08a]. **fisica** [Ros08]. **fisico** [Pla42b, Pla43a, Pla49c, Pla54a, Pla54b, Pla64a, Pla93a]. **físicos** [W<sup>+</sup>87, WdC02]. **Fission** [Sim12]. **Fits** [Tib13]. **Fizicheskaja** [Pla26e]. **fizik** [Pla29o]. **fizycznego** [Pla70]. **flaw** [Kut14a]. **Flawed** [Tib13, Iro05].  
**Flöttmann** [Ano48i]. **flüchtiger** [Pla88i, Pla88k, Pla88h]. **fluctuations** [Pla23d]. **fluid** [Pla84]. **Flüssigkeit** [Pla88c, Pla89w]. **Flüssigkeitsstrahlen** [Pla84]. **Focus** [Hol99]. **Fokker** [vK97, Ris96, vK97]. **Forderung** [Cah99, Ebe63, Hei31, Pla31e, Pla37a]. **foreword** [Cra27, Pla34d].  
**Forgetting** [Sim12]. **Formation** [WC91]. **Formelsammlung** [Ano48i].  
**formerly** [Pla60b]. **Formula** [Ano23, Din46c, Din46b, Din46a, Ken46, Boy83, CG00, CG03, CC03, Rub12, Seg07a, War12]. **formulation** [MR82b, Pla14e].  
**formulations** [HK89]. **formule** [Rub12, War12]. **Formulierung** [Pla14e].  
**Forscher** [Ein13]. **Forschung** [Ano46b, Ano46c, BPL<sup>+</sup>54, GBM<sup>+</sup>49, GBM<sup>+</sup>49, Pla26b]. **Forschung/Der** [BPL<sup>+</sup>54]. **Forschung/Goethe** [Ano46b, Ano46c].  
**Forschung/Goethe-Preis** [Ano46b, Ano46c]. **Forschungsunternehmen** [Ano46b, Ano46c]. **Fortbildung** [BWN78]. **fortunes** [Hei00]. **forward** [Frö01]. **foster** [Bra14b]. **Foundation** [Hof01, MR82d, MR82e, Pla03f, Pla03c]. **Foundations** [GL23]. **Founder** [Mas12, Bad08, Pla14d]. **Fourth** [Pla98c]. **fractional** [JDB<sup>+</sup>97]. **Frage**



[Pla25h]. **Fragen** [Ano69]. **Fragen/Max** [Ano69]. **Franck** [Kas64]. **Franck/Wilhelm** [Kas64]. **Frank** [Ber60, C.49, Dou49]. **Franklin** [Pla27b, Pla27b]. **Franklin-Institut** [Pla27b]. **Franz** [Hib91, Gre90]. **Französ** [Pla11c, Pla11d]. **Frau** [Mei03]. **Fraunhofer** [Kir98a]. **Fraunhoferschen** [Kir98a]. **Frederick** [Pla17a, Pla24a, Pla28a, Pla37b]. **Free** [Ano37, Boy79, BFG81, Gri98, Pla13i, Pla22i, Pla23g, Pla36a, Pla36c, Pla37h, Pla39c, Pla45d, Pla48e, Pla52d, Pla53d, Pla55e, Pla90b]. **freedom** [Pla15d, Pla15e]. **Freezing** [VD47, Kir98b]. **freie** [Pla22i]. **freien** [Pla13i]. **Freiheitsgraden** [Pla15d, Pla15e]. **French** [Duh88, Hei88c, Lev04, Pla11c, Pla11d, Pla12a, Pla13g, Pla41b, Pla60a, Pla63a, Pla89, Pla91a, PD93, Pla08a, Ros59a, Ros59b, Rub12, Som12, War12]. **frequency** [KGSO55]. **Frequenz** [BBG<sup>+</sup>58]. **Freunden** [Tob08]. **Friedenspreis** [MdB63]. **Friedhof** [Ham72]. **Friedrich** [Ebe63, Jüt17, MKD<sup>+</sup>91, Pla14d, Pla14f, Pla16e, Pla23h, Pla30f, Pla37i, Sta10, PP79, Pla14d, Pla14f, Pla16e, Pla23h, Pla37i]. **Friedrich-Wilhelms-Universität** [Jüt17, Pla14d]. **Friedrichs** [Pla17a, Pla24a, Pla28a, Pla37b]. **friends** [Tob08]. **Fritz** [Par12]. **Fritzsich** [MKD<sup>+</sup>91]. **front** [Pla20c]. **Frontiers** [Hei74, KZR<sup>+</sup>73]. **Frontiers/Arzimowitsch** [KZR<sup>+</sup>73]. **frühjahr** [Pla10a]. **Frühjahrstagung** [BWN78]. **Frühjahrstagungen** [Ano81, JDB<sup>+</sup>97]. **Fully** [BBG<sup>+</sup>58, Gra69]. **Function** [Moo37]. **fundamental** [Gré19, Lüs00, MR82c, Qui17]. **fundamentals** [Lüs00]. **Fundamentals** [KZR<sup>+</sup>73]. **funeral** [Pla48c]. **Fünfstellige** [GBM<sup>+</sup>49]. **Fünfte** [Her24, Pla99c]. **fünzig** [Pla30f, Pla62]. **fünfzigjährigen** [Pla29b, Sch29]. **Funktionen** [Ano48i]. **Funktionen/Schulz** [Ano48i]. **further** [Fal59]. **fusion** [JDB<sup>+</sup>97]. **fusion/First** [JDB<sup>+</sup>97]. **Future** [Ano53b, Peg77].

**G** [Adl03, Ano34, Ano39, MP19, Pla89k, Pla89l, Pla89o, Wil37]. **G.** [MP19]. **Galilei** [Büh98b]. **Galileo** [Büh98b]. **Gas** [Gra69, Hol13, Pla83, Pla94c, Pla95b, Pla09f, Pla22i]. **Gase** [Pla89g, Pla89e, Pla89o, Pla15c, Pla08e, Pla15c, Pla25h, Pla89d]. **Gases** [Pla89g, Pla08e, Pla15c, Pla25h, Pla15c, BBG<sup>+</sup>58, Hol13]. **Gases/Wirk** [BBG<sup>+</sup>58]. **Gasgemengen** [Pla83]. **Gasmolekülen** [Pla95b]. **Gasmolekülen** [Pla22i, Pla94c]. **Gasttheorie** [Pla09f, Pla13c, Pla13d, Pla14c]. **Gastvortrag** [Pla29h]. **Gastvorträgen** [Ano29b]. **gauge** [Lüs00]. **Gaynor** [C.49, Dou49]. **geb** [Ano24, Ano39, Ano41a, Dri01, Jüt11, Jüt18b, Jüt22, Mis33, Reg34, Sch55, Wil37, Zil33]. **Gebiete** [Pla23b, Pla95, Pla97, PHR07]. **Gebieten** [Ber15]. **Gebrauch** [Fra31, Pla16c, Pla19e, Pla21c, Pla22d, Pla28b, Pla31b, Pla15f]. **gebrochenzahliger** [JDB<sup>+</sup>97]. **Geburtsfestes** [Pla17a]. **Geburtstag** [Ano38a, Ano08f, Bec09, Brü48a, HD48, Jac08b, Pla18a, Pun67, Sta10, WvLuAE18, vL38, vL58b, Ano57, Ano08a, Ber15, Din59, GSU07, HRR10a, HRR10b, Pla38b, Pla38c, SR37, Som38a, Zen38, vL33]. **Geburtstag/J** [Pun67]. **Geburtstage** [Pla38a, Som18]. **Geburtstages**

[Jüt18a, Max58, Pla38g]. **Geburtstags** [Pla46a]. **Gedächtnis** [Jüt17, Mei47, Pla94a, Pla14d, Som47]. **Gedächtnisfeier** [Som48]. **Gedächtnisrede** [Pla06f, Pla28c, SR37, Pla23f]. **Gedächtnisreden** [Kir79]. **gedämpft** [Pla96c, Pla97e]. **Gedanken** [Kro52, Uns67]. **Gedenken** [JDB<sup>+</sup>97, MH97, Her72]. **Gedenken/WE** [JDB<sup>+</sup>97]. **Gedenken/WE-Heraeus-Programm** [JDB<sup>+</sup>97]. **Gedenkfeier** [Ano49a, Brü48a, HD48]. **geehrter** [KSB63]. **Gegen** [Ano46b, Ano46c, Jae79, Pla96b]. **Gegensätze** [Wol08]. **Gegenwart** [Pla89i]. **gegenwärtige** [Pla13c, Pla13d, Pla14c]. **Gegner** [Löh12]. **Geh** [Ano29b, Ano41a, Ano34, Ano36, Jüt17, Jüt18a, Jüt21, Jüt22, Reg34, Zil33]. **Gehalten** [Pla14f, Pla16e, Pla20b, Pla23h, Flü47, Hei31, Jüt17, Jüt21, PP79, Pla06f, Pla09c, Pla10a, Pla10c, Pla10d, Pla10e, Pla11c, Pla11d, Pla11a, Pla13e, Pla13h, Pla14d, Pla15a, Pla17a, Pla20c, Pla20a, Pla28c, Pla29e, Pla29f, Pla31e, Pla32b, Pla35a, Pla35e, Pla35c, Pla35d, Pla36c, Pla37d, Pla38h, Pla42e, Pla45a, Pla45b, WvLuAE18, vL48b]. **gehaltenen** [Pla48c]. **Gehört** [Har59]. **Geiger** [Pla37f]. **Geist** [Pla33j]. **Geisteswissenschaften** [MKD<sup>+</sup>91, Pla37a]. **Geisteswissenschaften/Vischer** [MKD<sup>+</sup>91]. **geistige** [Hof96]. **Geitel** [Ber15, Ber15]. **Gelehrten** [Ano46b]. **Gelehrten/Neuer** [Ano46b]. **Gelehrter** [Ano29b, Ano46b, Hof08b]. **Gelehrter/Farben** [Ano46b]. **Gelehrter/Farben-Fernsehen** [Ano46b]. **Geleit** [Pla33j]. **Geleitwort** [Ano34, Ano36, Ano39, Ano41a, Sch55, Wil37, Pla34d]. **Gemeinverständlich** [Ano39, Ano34]. **General** [BT58, DT58, Pla16c, Pla21c, Pla28b, Pla33d, Pla7, Pla49a, Pla15f, Gio24, Pla93c, Pla08a, Pla08b, Pla09a, Pla37e, Pla91a]. **generalized** [NK06]. **generally** [Hei88a, Hei06]. **Generation** [Hür22]. **Genesis** [Her71, HN70, Pla20d, Sin08]. **Genocide** [Hop96]. **Geologie** [GBM<sup>+</sup>49]. **Geometrie** [BBG<sup>+</sup>58, GBM<sup>+</sup>49]. **Geometrie/Ackermann** [BBG<sup>+</sup>58]. **Geometrie/von** [GBM<sup>+</sup>49]. **Geometrische** [GBM<sup>+</sup>49]. **Georg** [Ano11, Kör61, Kör61, Pun67]. **George** [Ano11]. **Gerlach** [GBM<sup>+</sup>49]. **German** [Alb93, Ano48a, Bad08, Brü48b, C.49, Dou49, EH08b, HB87, Hie68, Hop96, McK27, Pla13f, Pla29e, Pla29f, Pye88, San87, Swe89, Ull13, vP06, AH93, Ano16, Ano29c, Ano30a, Ano38a, Ano43b, Ano44, Ano46c, Ano47a, Ano47d, Ano48a, Ano48e, Ano48f, Ano48c, Ano48g, Ano49a, Ano49b, Ano49c, Ano53a, Ano53b, Ano53c, Ano57, Ano59, Ano69, Ano70, Ano97a, Ano97b, Ano08f, Ano08a, Ano11, Arr06, Bec09, Ber15, BFV<sup>+</sup>48, BuDH07, BP24, BDR86, Bor63a, Bre08, Brü38, Brü48a, Brü48b, Büh98a, Büh98b, Cah85, Cah88, Cla91, Cla89, Din39, Din59, Dys70, EH08a, Eck97a, Eck97b, Ein06, Ein07a, Ein07b, Ein13, EP06, Fal59, FP27, Fie75, Fis00, FH00, FS06, Fis07, Fis08a, Fis08b, Fis10b, Fis10a, Fis12, Fok14, Frö01, GSU07]. **German** [Gri98, Gut15, Haa70, Haa75, Hac07, Hah57, Ham72, HD48, Har38, Har43, Har48, Har53a, Har53b, Har58, Har59, Har64a, Har64b, HD01, HH63, HMF98, Hei86a, Hei88a, Hei00, Hei06, Hei31, HPE<sup>+</sup>33, Hei35, Hei38, Hei43a, Hei47b, Hei49, Hei58, Hei86b, Hei69, HT99, Hen07, Her72, Her73b, Her73a, Her77, HR01, Her76, Her58, Hof48, Hof96, HS97, Hof00, HW07, Hof08b,

Hof08d, Hof08e, Hof08f, Hof09, HRR10b, Hof10, Hol13, Hop96, Ish15, Jac08b, Jae79, JDB<sup>+</sup>97, Jor48, Jos95, Kan69, Kan70, Kir94, Kir98a, Kir98b, KSB63, KK75, Kir79, Koh02, Kör61, Kre67, Kro52, KGSO55, Kut14a, Kut14b, Lan57, LMOS15, Lem08, Löh12, Lüs00, Max58, MH97, Mei47, Mei58, Mei01, Mei03, Men73, MSQM63, MAS63, Mey08, MP19]. **German**

[Mül08b, Mul94, OT97, PP25, PP79, Pla79, Pla80, Pla81, Pla82, Pla83, Pla84, Pla87b, Pla87f, Pla87a, Pla87c, Pla87d, Pla87e, Pla88a, Pla88i, Pla88k, Pla88j, Pla88l, Pla89a, Pla89b, Pla89y, Pla90d, Pla90c, Pla90a, Pla90b, Pla90e, Pla91a, Pla91b, Pla92a, Pla92b, Pla92c, Pla93c, Pla93a, Pla93b, Pla94c, Pla94a, Pla95a, Pla95b, Pla96a, Pla96c, Pla96b, Pla97e, Pla97c, Pla97d, Pla97a, Pla97f, Pla98c, Pla98b, Pla99b, Pla99c, Pla99a, Pla00a, Pla00f, Pla00c, Pla00h, Pla00d, Pla00i, Pla00b, Pla00g, Pla01e, Pla01a, Pla01f, Pla01c, Pla01d, Pla01g, Pla01b, Pla02c, Pla02d, Pla02a, Pla02e, Pla02b, Pla03h, Pla03f, Pla03a, Pla03e, Pla03g, Pla04b, Pla04a, Pla05a, Pla05c, Pla06b, Pla06a, Pla06d, Pla06e, Pla06f, Pla06c, Pla06g, Pla07f, Pla07a, Pla07c, Pla07g, Pla07d, Pla08a, Pla08b].

**German**

[Pla08f, Pla08e, Pla08c, Pla08g, Pla09a, Pla09d, Pla09b, Pla09c, Pla09f, Pla10a, Pla10f, Pla10h, Pla10i, Pla10c, Pla10d, Pla10e, Pla10b, Pla10j, Pla11f, Pla11b, Pla11a, Pla11e, Pla12b, Pla12c, Pla12d, Pla13a, Pla13c, Pla13d, Pla13e, Pla13i, Pla13h, Pla13b, Pla13k, Pla13j, Pla14d, Pla14c, Pla14f, Pla14a, Pla14b, Pla14e, Pla14i, Pla14j, Pla15a, Pla15h, Pla15b, Pla15c, Pla15i, Pla15d, Pla15e, Pla16f, Pla16a, Pla16c, Pla16d, Pla16e, Pla16b, Pla17a, Pla17b, Pla17f, Pla17g, Pla17h, Pla17d, Pla17e, Pla17c, Pla18a, Pla18b, Pla19a, Pla19c, Pla19e, Pla19d, Pla19f, Pla19b, Pla20b, Pla20c, Pla20a, Pla21a, Pla21c, Pla21d, Pla21b, Pla21g, Pla21f, Pla22a, Pla22b, Pla22c, Pla22d, Pla22e, Pla30a, Pla22f, Pla22i, Pla22h, Pla22j, Pla23b, Pla23c, Pla23e, Pla23d, Pla23f, Pla23a, Pla23g, Pla23h, Pla23i, Pla24a].

**German**

[Pla24b, Pla24c, Pla25c, Pla25h, Pla25b, Pla25a, Pla25g, Pla25e, Pla25f, Pla26a, Pla26d, Pla26b, Pla27a, Pla27b, Pla27e, Pla27f, Pla28a, Pla28d, Pla28b, Pla28c, Pla29c, Pla29b, Pla30b, Pla29a, Pla29k, Pla29l, Pla29d, Pla29g, Pla29e, Pla29f, Pla29n, Pla29h, Pla29i, Pla29j, Pla30c, Pla30g, Pla30f, Pla30h, Pla30i, Pla30d, Pla30e, Pla31b, Pla31a, Pla31f, Pla31c, Pla31e, Pla32b, Pla32a, Pla32d, Pla32e, Pla33b, Pla33j, Pla33a, Pla33e, Pla33c, Pla33g, Pla33f, Pla33h, Pla34d, Pla34a, Pla34b, Pla34c, Pla34e, Pla35a, Pla35b, Pla35e, Pla35c, Pla35d, Pla35f, Pla35g, Pla35h, Pla36a, Pla36c, Pla37b, Pla37e, Pla37f, Pla37i, Pla37a, Pla37c, Pla37d, Pla37h, Pla38a, Pla38b, Pla38c, Pla38e, Pla38f, Pla38g, Pla38h, Pla38d, Pla39c, Pla40a, Pla40b, Pla40c, Pla41a, Pla41c, Pla42c, Pla42d, Pla42a, Pla42e, Pla42f].

**German**

[Pla43c, Pla43b, Pla44a, Pla44b, Pla45a, Pla45b, Pla45e, Pla45f, Pla45d, Pla46a, Pla46b, Pla46c, Pla47b, Pla48b, Pla48a, Pla48f, Pla48c, Pla48d, Pla48e, Pla49b, Pla49k, Pla50a, Pla52b, Pla52a, Pla52c, Pla52d, Pla53b, Pla53a, Pla53c, Pla53d, Pla54c, Pla55c, Pla55a, Pla55b, Pla55d, Pla55e, Pla57d, Pla58c, Pla58e, Pla58b, Pla58f, Pla58d, Pla58a, Pla62, PP64, Pla65b, Pla65a, Pla65c, Pla66, Pla67b, Pla67a, Pla67c, Pla78b, Pla78a, Pla78d, Pla78c, Pla82,

Pla88b, Pla90c, Pla90b, Pla95, Pla97, PHR07, Pla08b, Pla10b, Pla15a, Pla15f, Pla15c, Pla15b, Pla15i, PS58, Prz63, RH97, RTKK75, RH01, Sch96, SCP19, Sch78c, Sch78a, Sch78b, Sch78d, Sch29, SP29, Sch61, Sch91, Sei08, Sim12, Sim06, Som11, Som18, Som33, Som36, SR37, Som38a, Som38b, Som47, Som48]. **German** [Spr89, Sti84, Thi69, Thi88, Tob08, Uli97, Ull96, Uns58, Uns67, Vog61, Wei89, Wes40, Wes57, Wes58, Wol08, WC91, Yos95a, Yos95d, Zac92, Zen38, Zim34, dB48, vK97, vBL96, vL18, vLP21, vL33, vL38, vL39, vL46, vL48b, vL50, vL54, vL58b, vL58a]. **German-Speaking** [Cah88]. **German/Latin** [Her73b]. **Germany** [Eck97a, Hop96, JM17, Mac93, Pla31c, Pla31d, Set03, Sti84]. **Ges** [Pla94a, Pla06f, Pla38g]. **Ges.** [Pla11c, Pla11d]. **Gesammelte** [BDR86, Pla22h]. **Gesamtwerkes** [Ebe63]. **gesättigter** [Pla89b, Pla89h]. **Geschichte** [AH93, Bad08, Bre08, Cah99, Har59, Kra97, LMOS15, Pla43c, Sch00b, Ano48i, vBL96]. **Geschwindigkeitsverteilung** [Pla22i]. **Geschwindigkeitsverteilungsgesetzes** [Pla94c]. **Geschwindigkeitsverteilungsgesetzes** [Pla95b]. **Gesellschaft** [Ano48a, Bec09, Bri48b, Cah99, Ebe63, Hei31, Her03, HW07, Koh02, Kra97, Pla20a, Pla28c, Pla31e, Pla35e, Pla36c, Pla37a, Pla39c, Pla50a, Pla52d, Pla53d, Pla55e, Som48, Sta10, WvLuAE18, vBL96, Gri98, Hof08e, Pla18a, Pla42e, Zac92]. **Gesellschaften** [Ebe63]. **Gesetz** [Pla88c, Pla89m, Pla01a, Pla78a]. **Gesetze** [Cla89, Pla89p, Pla89e, Pla13e]. **Gesetzes** [Ano48a, Pla00i, Pla12b]. **Gesetzlichkeit** [Pla26b]. **Gesetzmässigkeit** [Pla14d, Jüt17]. **Gestatten** [Sei08]. **Gestirne** [Gut15]. **geworden** [MAS63]. **Giants** [Ano47c]. **Gibbs** [Pla03c, Kör61]. **Gibt** [Pla49b]. **Gießen** [BWN78]. **Gießen/Frühjahrstagung** [BWN78]. **Gift** [MP01]. **Gill** [Cah99]. **ging** [Bre08]. **Giris** [Pla15g]. **Gittereichtheorie** [Lüs00]. **given** [DdCA48]. **Glänzendsten** [Gut15]. **Glaube** [Pla30i, Pla88b]. **gleichförmig** [Pla07d]. **Gleichförmige** [Pla10f]. **Gleichgewicht** [Pla83, Pla88a, Pla13i, Pla35b, Pla89v]. **Gleichgewichte** [EH08b, Pla08b]. **Gleichgewichts** [Pla89p]. **Gleichgewichtszustände** [Pla80]. **Gleichung** [vK97]. **Glenys** [Cah99]. **Global** [BF12, KM12]. **Go** [Fra05]. **God** [Kut14a]. **God-less** [Kut14a]. **Goethe** [BBG<sup>+</sup>58, Som38b, Ano46c, Som38b]. **Goethe-Preis** [Ano46b, Ano46c]. **Goethe-Saal** [Som38b]. **Going** [Bro36, Pla32k, Pla33i, Pla77, Pla15j, Pla33h, Pla34e, Pla43b, Pla44b, Pla45e, Pla59a, Pla81]. **golden** [Pla29k, Pla29l]. **goldenen** [Pla29k, Pla29l]. **Goldmacher** [Ano53b]. **Goldmacher/Internationales** [Ano53b]. **Gott** [Kut14a]. **Gott-lose** [Kut14a]. **Gottfried** [Pla46a]. **Göttingen** [Flü47, Ham72, Pla13c, Pla13d, Pla14c, Ano48d, Ano48j, Ano49a, DdCA48, Pla13c, Pla13d, Pla14c, vL48b]. **Göttinger** [Ham72]. **Gouy** [Pla89m]. **GPS** [Ano12]. **Gräber** [Ham72]. **grandes** [Rub12]. **Gratulation** [SR37]. **Gravelius** [Ano48i, GBM<sup>+</sup>49]. **graves** [Ham72]. **gravity** [CH01, Pad83]. **Gray** [BBG<sup>+</sup>58]. **Great** [Ano31, Bri38, Büh98b, Kae48, Lig05a, Lig05b, Pic08]. **Greatest** [Acz01, Ano21, Hür22]. **Green** [McK27]. **Greenberg** [Hib91]. **Greenwood**

[KZR<sup>+</sup>73]. **Gregor** [Fie75, Hun75, Fie75]. **Grenzen** [Pla42d, Pla42e]. **Grenzschicht** [Pla30g, Pla31f, Pla33e]. **Griechische** [BBG<sup>+</sup>58]. **Großbritannien** [JDB<sup>+</sup>97]. **Grosse** [BPL<sup>+</sup>54]. **großen** [Brü38]. **Grösste** [Ano46b, Ano46c]. **Grosswetterlagen** [Ano48i]. **Grosszahl** [GBM<sup>+</sup>49]. **Grosszahl-Forschung** [GBM<sup>+</sup>49]. **Grotrian** [HRR10b]. **Grotrians** [HRR10a, HRR10b]. **Group** [Ano48g]. **Grund** [GBM<sup>+</sup>49]. **Grundbegriffe** [Sch65]. **Grundbeziehungen** [GBM<sup>+</sup>49]. **Grundfragen** [Hei58]. **Grundgleichungen** [Pla06c]. **Grundlage** [Bad08, Pla03f]. **Grundlagen** [JDB<sup>+</sup>97]. **Grundriß** [Pla93c]. **Grundzahl** [Ano24]. **Grütmacher** [Ano61]. **Gruyter** [Sch65]. **Guest** [Pla29h]. **Guggenheim** [BBG<sup>+</sup>58]. **Günther** [SH53]. **Güntherschulze** [SH53]. **Guthenick** [Pla23e, Pla23e].

**H** [Adl03, Ano02, Ano34, Ano39, Ano41a, Jac02, Klo63, Mic68, Ped75, Pic25, Sac69, Wil37]. **H.** [Pla78e, Prz11]. **habe** [Hof08e]. **Haber** [Par12]. **Habilitationsakten** [Sch00b]. **Hahn** [Ano46a, Ano46b, Ano49b, Ano49c, GBM<sup>+</sup>49, Pla25c, Ano49b, Ano49c, Pla25c, Sim12]. **halbes** [Eck97b]. **half** [Eck97b]. **Hall** [Hop96, Som38b]. **Haltung** [Löh12]. **Hamack** [Som38b, Som38b]. **Hamack-Hauses** [Som38b]. **Hamburg** [Ano81, Uns67]. **Handbook** [BBG<sup>+</sup>58]. **Handbook/Guggenheim** [BBG<sup>+</sup>58]. **Handbuch** [Kay02]. **Handelns** [JDB<sup>+</sup>97]. **Hannover** [Haa70]. **Hans** [Ber15, Din59, Dri01, Hen60, Kra02a, Kra02b, Thi71, Ber15, Din59, Pun67, SS53]. **Hans-Georg** [Pun67]. **Hans-Joachim** [Din59, Din59]. **Hanser** [Sch55]. **Hanser-Verlag** [Sch55]. **Hardly** [Hof08e]. **Hardy** [Adl03]. **harmful** [Ano53b]. **harmonic** [Sch78b]. **harmonischen** [Sch78b]. **Harmonium** [Pla93b]. **harmony** [Pla93b]. **Harnack** [Hei31, Pla31e, Pla35c, Pla35d, Pla37d, Pla45a, Pla45b, Pla31e, Pla35c, Pla35d, Pla37d, Pla38g, Pla45a, Pla45b]. **Harnack-Haus** [Hei31, Pla31e, Pla35c, Pla35d, Pla37d, Pla45a, Pla45b, Pla38g]. **Härtel** [Pla93d]. **Hartmann** [BPL<sup>+</sup>54, Hen60]. **harvest** [Bra09]. **hatte** [OT97]. **Häufigkeits** [GBM<sup>+</sup>49]. **Häufigkeits-Analyse** [GBM<sup>+</sup>49]. **Häufigkeits-Analyse/Peters** [GBM<sup>+</sup>49]. **Hauke** [Cah99, Kra03]. **Hauptsatz** [Mül08b, Pla79, Pla89j]. **Hauptsatzes** [Pla89n, Pla93a, Pla26d]. **Hauptversammlung** [Pla20a]. **Haus** [Ano97a, Hei31, Pla31e, Pla35c, Pla35d, Pla37d, Pla45a, Pla45b, Ano97a, Pla38g]. **Hauses** [Som38b]. **Haushaltsplan** [Ano81]. **Hawking** [Pic08]. **Heads** [Ano30a]. **Health** [Wei89, Hop96]. **Hearing** [Hui13]. **Heat** [Pla06g, Pla10h, Pla13j, Pla14h, Pla19f, Pla21f, Pla23i, Pla32i, Pla49i, Pla57c, Pla59b, Pla66, Pla88a, Pla91b, Pla12b, Pla15a, Pla15c, Pla15i, Cla91, Cla89, Ein07b, Kir98a, Kir98b, Pla90d, Pla90c, Pla91a, Pla00c, Pla10j, Pla12c, Pla12d, Pla13i, Pla24b, Cla91]. **heavy** [JDB<sup>+</sup>97]. **Heft** [Jüt18a]. **Heftes** [Pla33j]. **Heidelberg** [BWN78, Dri01, KGSO55, KGSO55]. **Heidelberg/Der** [KGSO55]. **Heidelberg/Frühjahrstagung** [BWN78]. **Heidelberg/The** [KGSO55]. **Heidenheim** [Som48]. **Heilbron** [Ano89, Hop96, KAR89, San87]. **Heiliger** [KSB63]. **Heiligers** [KSB63, WF63]. **Heinrich**

[Cah99, Pla23f, Pla94a, Pla23f]. **Heisenberg**  
 [Adl03, BDR86, BDR86, Cas09, Hop96, Tre01]. **Held**  
 [Ano48j, Pla20b, BCS82, DdCA48, Hei31, PP79, Pla06f, Pla09c, Pla10a,  
 Pla10c, Pla10d, Pla10e, Pla11c, Pla11d, Pla11a, Pla13h, Pla14d, Pla14f, Pla14g,  
 Pla15a, Pla16e, Pla17a, Pla20c, Pla23h, Pla28c, Pla31e, Pla32b, Pla35a, Pla35e,  
 Pla35c, Pla35d, Pla36c, Pla37d, Pla38h, Pla42e, Pla45a, Pla45b, vL48b].  
**Helm** [Kör61, Kör61]. **Helmholtz** [Ano02, KK75, Pla30b, Pla30b]. **Hendrik**  
 [Prz86, Pla28c]. **Hengstenberg** [Rut69]. **Henri** [Adl03, Pla21d]. **Henry**  
 [Ole81, Pla94b]. **Henschel** [Sch04]. **Hentschel** [Mul00, Sch00b].  
**Hentschel/Renate** [Sch00b]. **Heppenheim** [Pla19d, Pla19d]. **Heraeus**  
 [JDB<sup>+</sup>97]. **Herausgeg** [HKS<sup>+</sup>68, Ebe63]. **Herausgegeben**  
 [Ano02, Jüt18a, Klo63]. **Herleitung** [Pla88b]. **Hermann**  
 [Dri01, KK75, You68, Jac02, Kra02a, Kra02b, Pla94b]. **Herr** [KSB63]. **Herrn**  
 [Pla92b, Pla29c]. **Hertz** [Pla94a, Pla94a]. **Hettner** [Pla16a]. **Hettnerschen**  
 [Pla16a]. **Heuser**. [Ano41a]. **Hi** [MKD<sup>+</sup>91]. **Hi-Tech** [MKD<sup>+</sup>91].  
**Hi-Tech/Scribal** [MKD<sup>+</sup>91]. **high** [HS97, KGSO55]. **high-frequency**  
 [KGSO55]. **Higher** [Bae01]. **Higher-dimensional** [Bae01]. **Hilbert**  
 [BBG<sup>+</sup>58, Lev04]. **Himmel** [Dri01]. **Hintertreppe** [Fis10b, Fis12]. **hinweg**  
 [Wol08]. **Hirn** [Pla89o]. **Hirnforschung** [Bre08]. **Hirth**  
 [Ano34, Ano36, Ano39, Ano41a, Wil37]. **Hirzel**  
 [Ano89, Fra31, Mis33, Reg34, Zil33]. **Histoire** [Lev04]. **Historian** [Dar01].  
**Historians** [Gea02]. **Historic** [Koe01]. **Historical**  
 [AH93, GL23, Alb93, Sch78c, Sin08]. **historical-critical** [Sch78c]. **historisch**  
 [Sch78c]. **historisch-kritischer** [Sch78c]. **Historischen** [AH93, Alb93].  
**History**  
 [Ber14, Cah88, Hop96, JM17, LMOS15, Nye06, WP85, AH93, Ano46c, Bad08,  
 BN13, Bre08, Eck97b, ET07, Har59, HMF98, Kan76, Lev04, Pla43c, vBL96].  
**Hitler** [Alb93, HMF98, Jae79, MP01, O'F56, Pla47b]. **Hitler**» [Alb93].  
**Hochfrequenzkinematographie** [KGSO55]. **Hochgeehrter** [Ano43b].  
**hohem** [HS97]. **hohen** [Pla89e]. **Höhere** [GBM<sup>+</sup>49, HKS<sup>+</sup>68]. **Hohlraum**  
 [Pla07d]. **homogenen** [Pla04a]. **homogeneous** [Pla04a]. **Hon.** [Pla19d].  
**Hönger** [BBG<sup>+</sup>58]. **Honor** [Ano29a, Ano46d, Iva59a, Pla35e, Som38b].  
**honorary** [Pla38g]. **Honoree** [Ano43b]. **Honors** [Ano48g]. **Horst** [Ano36].  
**hospital** [Ano47a]. **House**  
 [Hei31, Pla31e, Pla35c, Pla35d, Pla37d, Pla45a, Pla45b, Pla38g, Som38b].  
**Hove** [Haa75, Haa75]. **Hrn** [Pla00a, Pla00d, Pla13f, Pla19d, Sch29]. **Hrsg**  
 [Dri01, Pla15c, Sch04]. **Hrsgg** [Sch00b]. **Hubble** [Bru02]. **huge** [Bre08].  
**Hugo** [Ano41b, Mos42]. **Human** [Bro36, Mei58, Mei01, Wes58]. **Humanist**  
 [O'F59]. **humanities** [Pla37a]. **Humanökologie** [MKD<sup>+</sup>91]. **Humorous**  
 [Ano21]. **Hundred** [Hoh99, Par12, Fad96]. **hundredth** [Ano57, Wei58].  
**Hunger** [Bra14a]. **hunt** [Seg07a]. **hydrogen** [Pla19c]. **Hygiene** [Hop96].  
**Hypothese** [Pla88j, Pla11f, Pla12c, Pla12d, Pla13e, Pla12a, Pla13g, Pla08a].  
**Hypotheses** [Tib13]. **Hypothesis**  
 [Cra84, Hol13, Nau16, Pla88j, Pla11f, Pla11b, Pla12a, Pla12c, Pla12d, Pla13c,

Pla13d, Pla13e, Pla13g, Pla14c, Pla14e, Pla15d, Pla15e, Pla08a].

**I/Solomon** [Ano48i]. **ice** [Bre08]. **ich** [Hof08e]. **idea** [Seg07c]. **Ideas** [Ein54a, Ein82, Pla33a, Pla33g, Pla33f]. **Ideen** [Pla33g, Pla33f]. **if** [Tib13]. **Ignatovich** [MKD<sup>+</sup>91]. **ihr** [BPL<sup>+</sup>54]. **ihre** [Fal59, Yos95a, vBL96]. **ihren** [OT97]. **ihrer** [Hof08b, Pla06d, Pla06e, Pla07a, vBL96]. **ihres** [Bad08]. **II** [BT58, DT58, Ebe63, Kir98a, Kir98b, Kir79, Pla17a, Pla24a, Pla28a, Pla32g, Pla37b, Pla49e, Pla57a, Pla64b, Sim12]. **III** [BT58, DT58, Ebe63, Kir98a, Kir98b, Pla33e, Kir98a, Kir98b, Pla32h, Pla49h, Pla57b, WF63]. **illus** [Hie68]. **im** [Ano13, Ano34, Ano36, Ano39, Ano41a, Ano48a, Brü38, Cah99, Fok14, Hei31, Hei35, Her03, HW07, Hof08b, Hof08f, JDB<sup>+</sup>97, Jüt18b, Koh02, Lem08, Pla00i, Pla01a, Pla01g, Pla10a, Pla19d, Pla26b, Pla31e, Pla33c, Pla35c, Pla35d, Pla37d, Pla38g, Pla38h, Pla42c, Pla45a, Pla45b, Pla52c, Pla53c, Pla55d, Pla58d, Pla65c, Pla67c, Pla78a, Sch00b, Sch55, Som36, Som38b, Uli97, Ull13, Wil37, Zim34]. **image** [Her73a]. **images** [Ano48e, Ano48f, Pla63a]. **images/Authors** [Ano48e]. **images/Authors/Papers** [Ano48f]. **Immortals** [Ano47c]. **Importance** [AP00, Hei49, Pla33a, Pla33g]. **Importance** [Som11, Pla04b, Pla06d, Pla06e, Pla07a, Pla31c]. **improved** [Thi88]. **Improvement** [Pla00g, Pla69a, Pla78c]. **Inaugural** [EP06, Kir79, Pla25c, Pla37f, Pla38f, Pla57d, BP24, FP27, MP19, PP25, PP79, Pla29c, SCP19, SP29, Sch61, vLP21]. **Incandescent** [FSBR09]. **inches** [Pic25]. **Inconsistency** [Boy79, BFG81]. **increase** [Pla87c, Pla87d, Pla87e, Pla91b, Pla05b]. **increasing** [Duh88]. **indefinitely** [Bra14b]. **independent** [MSQM63]. **Indeterminism** [Pla48b, Pla52b, Pla53b, Pla55c, Pla58c, Pla65b, PS33, Pla38e, Pla47a, Pla67b, Sch91]. **indeterminismo** [Pla47a]. **Indeterminismus** [Pla48b, Pla52b, Pla53b, Pla55c, Pla58c, Pla65b, Pla38e, Pla67b]. **Indeterminismuskritik** [Sch91]. **indeterminizm** [PS33]. **inertial** [JDB<sup>+</sup>97]. **inferred** [Cla89]. **influence** [Pla31d]. **Influential** [Rog10]. **information** [Pla91a]. **Inhalt** [Pla10h, OT97]. **Initiations** [Pla41b, Pla89, PD93]. **Innsbruck** [KGS055, KGS055]. **Innsbruck/2** [KGS055]. **Innsbruck** [?]2ndKruger:1955:VMP. **Inönu** [HKS<sup>+</sup>68]. **Inquiry** [Gib19]. **ins** [Bre08]. **instead** [Ano46c]. **Institut** [AH93, Pla27b]. **Institute** [AH93, Ano11, BBG<sup>+</sup>58, Cah99, Par12, Pla27b, vBL96, WC91, Cah99]. **Instituten** [Cah99]. **Institutional** [Cah85]. **institutions** [vBL96]. **instruction** [Pla15f]. **Instrumentation** [HKS<sup>+</sup>68]. **Instruments** [Ber14]. **insulators** [Pla02d]. **Integralrechnung** [GBM<sup>+</sup>49]. **Integralrechnung/Reutter** [GBM<sup>+</sup>49]. **Intellectual** [Ano47c]. **intelligence** [HMF98]. **Intelligent** [Kut14b]. **Intelligente** [Kut14b]. **intended** [Ano70]. **Intensitätsparameter** [Pla35b]. **intensity** [Pla35b]. **interference** [Pla62]. **Interferenz** [Pla62]. **International** [Ano53b, Ano59, BT58, DT58, KGS055]. **Internationale** [KGS055, Ano59]. **Internationales** [Ano53b, KGS055]. **Internet** [JDB<sup>+</sup>97, JDB<sup>+</sup>97].

**Internet-Adressen** [JDB<sup>+</sup>97]. **Internet-Adressen/Blick** [JDB<sup>+</sup>97]. **interpolation** [Boy83]. **interpretation** [Pla16a]. **Intersection** [Par12]. **Interviews** [Ano31]. **Introduction** [Pla32f, Pla32g, Pla32h, Pla32i, Pla32j, Pla33d, Pla49a, Pla49e, Pla49h, Pla49i, Pla49j, Pla57a, Pla57b, Pla57c, Pla64b, Hie68, KAR89, Pla16c, Pla16d, Pla19e, Pla21c, Pla22d, Pla22e, Pla30a, Pla28b, Pla31b, Pla37e, Pla41b, Pla89, PD93, Pla15f, Pla15g, Fal50]. **introductory** [Ano11]. **Invariance** [BF12, KM12, WB78]. **Inventory** [HD01, Ull96]. **Inverted** [Ano53b]. **Invertierte** [Ano53b]. **investigation** [Pla09f]. **Involving** [Luc30]. **Ion** [Pla00f, Pla02c]. **Ionen** [JDB<sup>+</sup>97]. **Ionized** [BBG<sup>+</sup>58, Gra69]. **ions** [JDB<sup>+</sup>97]. **irradiated** [Pla01g]. **irreverent** [Bra14b]. **Irreversibility** [Nee80]. **Irreversible** [Pla99b, Pla97c, Pla97d, Pla97b, Pla98c, Pla99c, Pla00h, Pla01f, Pla01c, Pla01d, Pla05b, Pla78d, Pla99b]. **irreversibler** [Sch65]. **Isaac** [Ano46d]. **ISBN** [Ber14, Dri01, Kra97, San87]. **Ishiwara** [PB17]. **Isotherme** [Pla89d]. **isotropen** [Pla02d, Pla03h]. **isotroper** [Pla80]. **isotropic** [Pla80, Pla02d, Pla03h]. **issledovanij** [Pla26e]. **Issue** [AP00, Ano08e, Ano48k]. **Issues** [PS33, Pla45f, W<sup>+</sup>87, WdC02]. **Italian** [Hei88b, Pla42b, Pla43a, Pla49c, Pla54a, Pla54b, Pla64a, Pla93a, Ros08]. **IV** [BT58, DT58, Pla98c, Pla32j, Pla49j]. **ivory** [Jos95]. **Iwand** [Din59, Din59]. **IX** [Mis33, Zil33]. **Izbrannye** [Ano75].

**J** [Ano41a, Ano53c, Ano89, Ben30, Flü47, Her24, Hie68, Jüt17, Mic68, Pla88c, Pla88d, Pla89n, Pla03c, Pun67]. **J.** [Ano53c, San87]. **jahr** [Ano46c]. **Jahre** [AH93, Ano46b, Ano61, Brü38, HD01, Hei38, Pla37a, Pla62, Rut69, SH53, Wes57, PS58]. **Jahre/Josef** [Rut69]. **Jahre/Max** [Rut69]. **Jahre/Max-Planck-Medaille** [Rut69]. **Jahre/Nobelpreise** [Ano61]. **Jahre/Paul** [SH53]. **Jahre/Winfried** [Rut69]. **Jahre/Zur** [Wes57]. **JahreMax** [MdB63]. **JahreMax-Planck-Medaille** [MdB63]. **Jahren** [Pla30f]. **Jahres** [Pla06a]. **Jahrestag** [Pla37b, Pla26a, Pla30c]. **Jahrestages** [Pla15a, Pla17a, Pla24a, Pla28a, Pla22b]. **Jahrg** [Jüt18a]. **Jahrhundert** [Eck97b]. **Jahrhundertwende** [Yos95a, Hof48]. **jährigen** [Pla35e, Pla37i]. **Jahrzehnte** [Haa70]. **Jakob** [PS58, PS58]. **James** [Bro36, Kas64, Pla31c, Tho31]. **Januar** [Pla32b]. **January** [Pla32b]. **Japanischen** [Ano46b]. **Jay** [Hop96]. **Jeans** [Gor91]. **Jedność** [Pla70]. **Jehova** [Kut14b]. **Jehovah** [Kut14b]. **JET** [JDB<sup>+</sup>97, JDB<sup>+</sup>97]. **JET/JET** [JDB<sup>+</sup>97, JDB<sup>+</sup>97]. **jets** [Pla84]. **jetzt** [JDB<sup>+</sup>97]. **Jews** [BA01]. **Joachim** [Din59, Din59]. **Joh** [Ano24, Jüt21, Jüt22]. **Johann** [Ano30b, Wei68]. **John** [GSU07, Hop96, GSU07]. **Johnsen** [Pla23e]. **Jones** [Pic25]. **Joos** [Ano48i]. **Josef** [Rut69]. **Josiah** [Kör61, Kör61]. **Joule** [Pla89o]. **Journey** [FR13, Lev17]. **Jubilar** [Ano43b]. **Jubiläum** [Pla37i, vL39].  **jubilee** [HD01, Pla29k, Pla29l]. **Jubileums** [HD01]. **Juli** [PP79, Pla06a, Pla29c, Pla46a, Pla15a]. **Julius** [Ber15, Jüt18a, Ber15]. **July** [PP79, Pla06a, Pla29c, Pla46a, Pla15a]. **Jun** [PB17]. **June** [Pla20c, Pla28c, Pla29b, Pla29k, Pla35a, Sch29]. **Juni**



[Flü47, Jüt21, Pla20c, Pla28c, Pla29b, Pla29k, Pla35a, Sch29]. **Jürgen**  
[Ano11, GSU07, GSU07]. **justice** [MSQM63]. **justification** [Pla12b, Pla26d].

**Kafka** [Hib91, Gre90]. **Kaiser** [Cah99, Hei31, Her03, Koh02, Pla20a, Pla31e, Pla37a, vBL96, Koh02, Pla20a, Pla37a, Pla42e]. **Kaiser-Wilhelm-**  
[Cah99, vBL96]. **Kaiser-Wilhelm-/Max-Planck-Gesellschaft**  
[Cah99, vBL96]. **Kaiser-Wilhelm-Gesellschaft** [Pla42e]. **Kaisers** [Pla17a].  
**Kalorimetrische** [BBG<sup>+</sup>58]. **Kampf** [Hei35, Pla35c, Pla35d, Pla37d, Pla45a, Pla45b, Som36, Pla52c, Pla53c, Pla55d, Pla58d, Pla65c, Pla67c]. **Kangro**  
[Ped75, Thi71]. **kann** [Pla42f]. **kanonische** [Pla08e]. **Kapitel** [Sch65]. **Karl**  
[Ano47e, Ano08d, Bor48, Bor63b, Hai11, Kan08, van10]. **Karl-Scheel-Preis**  
[BWN78]. **Karlskoga** [BCS82]. **Karlsruhe** [Hei69]. **Karsten**  
[HT99, Mul00, Sch00b, Sch04, HT99]. **kart** [Sac69]. **Kartina** [Pla29o].  
**Kaufmann** [Pla06d, Pla06e, Pla07a, Pla07c]. **Kaum** [Hof08e]. **Kausalbegriff**  
[Pla32d, Pla32e, Pla37c, Pla41a, Pla48a, Pla52a, Pla53a, Pla55a, Pla55b, Pla58b, Pla65a, Pla67a]. **Kausalgesetz** [Pla23g]. **Kausalität** [Pla33c]. **Kay**  
[MKD<sup>+</sup>91]. **keeping** [JDB<sup>+</sup>97]. **keiner** [OT97]. **Kern** [Pla93a]. **Kernphysik**  
[BDR86]. **Kernphysikalisches** [Ano53b]. **Kettenreaktion** [GBM<sup>+</sup>49]. **Key**  
[Tib13]. **Kiel** [Qui13, Uns58, Uns67]. **Killing** [Hop96]. **Kinematographie**  
[BBG<sup>+</sup>58]. **Kinetic** [Pla15c, Pla09f, Pla13c, Pla13d, Pla14c]. **Kinetics**  
[Lew30]. **Kinetik** [Pla89x]. **Kinetische** [Pla15c, Pla13c, Pla13d, Pla14c].  
**kinetischen** [Pla89o, Pla09f]. **King** [Pla17a, Pla24a, Pla28a, Pla37b].  
**Kirchhoff** [Sch78c, Aga67, Sch03, Sch78c]. **Klassiker** [Ano02]. **Klaus**  
[Mul00, Sch00b, Sch04]. **Klein** [GBM<sup>+</sup>49, Hie68, Mic68]. **kleine** [Bad08].  
**Kleiner** [Ano11]. **kleinsten** [Fis10b, Fis12, Pla14a, Pla14b, Pla25a]. **Klenke**  
[Cah99]. **Klimawandel** [Bre08]. **Knipping** [Pla37i, Pla37i]. **Knorr**  
[Ano34, Ano36, Ano39, Ano41a, Wil37]. **Know** [Law15]. **knowing** [HS97].  
**Knowledge** [Ber14, Pla13h, Pla14f, Pla14g, Pla16e, Pla23h, Som33, Pla42b, Pla43a, Pla49c, Pla54a, Pla54b, Pla64a, Pla93a, HPE<sup>+</sup>33, Hei43a]. **Kockel**  
[Ber60]. **Kohl** [Her03]. **Kohlensäure** [Pla89i]. **Kollegen** [Hof08f]. **Komitee**  
[Ano29b]. **Kompendium** [BBG<sup>+</sup>58]. **Kondensat** [JDB<sup>+</sup>97]. **Kongreß**  
[KGSO55, Pla13e]. **Kongressitis** [Ano59]. **König**  
[Pla17a, Pla24a, Pla28a, Pla37b]. **königl** [Pla20b]. **Königlich** [Jüt21, Pla20c].  
**Königsberg** [Pla10c, Pla10d, Pla10e, Pla11a, Pla10c, Pla10d, Pla10e, Pla11a].  
**Konstante** [Pla06b, Pla21a, Pla22a]. **Konstanten** [Mey08]. **Konstitution**  
[Pla87b, Pla09d]. **Kontraktion** [Pla10f]. **Kontrovers** [Wol08]. **Kontroverse**  
[Thi69]. **kooperativ** [Wol08]. **Korper**  
[Kir98a, Ano48i, Pla80, Pla19e, Pla22d, Pla31b, Pla16f, Pla16d, Moo23, Pla89x].  
**Korpuskularmechanik** [Pla40c, Pla41c, Wes40, Pla40b]. **Korrespondenz**  
[Hof08b]. **kosmische** [Bre08]. **Kraft** [Cla89, Pla38f, Pla38f]. **Kreisels**  
[Pla18b]. **Kretzschmar** [HKS<sup>+</sup>68, Sac69, You68]. **Krise** [Yos95a]. **Krisis**  
[Pla29g]. **Kristie** [Hop96]. **Kritik** [Vog61, Yos95c, Pla00d]. **kritische**  
[Pla09f]. **kritischer** [Sch78c]. **Kropp** [GBM<sup>+</sup>49]. **Krystallisation**

[Pla89k, Pla89l]. **Kuantum** [Pla15g]. **Kuhn** [GR86, Yos95c]. **Kunde** [Ano46b]. **Kundgebung** [Pla29e, Pla29f]. **Kurd** [Pla07d]. **Kurzes** [BBG+58]. **kurzgefaßt** [JDB+97]. **Kurzzeitphotographie** [KGSO55].

**L** [Ano89, Pla89o, San87]. **Laboratorium** [Ano53b].  
**Laboratorium/Zukunftsmusik** [Ano53b]. **laboratory** [Ano53b].  
**laboratory/Future** [Ano53b]. **Ladenpreis** [Som49]. **Ladung** [JDB+97].  
**Landau** [HKS+68]. **Lande** [Pla19d, Pla19d]. **lange** [Pla03g]. **Langevin** [Ano46a]. **Langevin/Besuch** [Ano46a]. **Laplace** [KGSO55].  
**Laplace-Transformation** [KGSO55]. **largest** [Ano46c]. **laser** [JDB+97].  
**Laserkühlung** [JDB+97]. **Laserlicht** [JDB+97]. **lasse** [Cla89]. **last** [Pla60a, Pla91a]. **Later** [Eck08]. **Latin** [Her73b]. **lattice** [Lüs00]. **Laudatio** [Haa75]. **Laudationes** [BDR86]. **Laudations** [BDR86]. **lauds** [Ano29a].  
**Laue** [Ano48i, Pla29m, Pla37i, Pla39b, Pla48c, Ano49b, Ano49c, Pla37i, Pla48c, RS80, vLP21]. **Laues** [vLP21]. **Laufbahn** [Lem08]. **Laughing** [HRR10b]. **Laurikainen** [MKD+91]. **Lautdokuments** [Her76]. **Law** [Aga67, Mü108b, Pla93a, Pla01a, Pla26d, Pla69b, Pla78a, v.B18, Ano48a, FMM96, Gar76, Iro05, Kan70, Kan76, KSB63, Par94, Pla79, Pla81, Pla94c, Pla95b, Pla06b, Pla12b, Pla12a, Pla23b, Pla34a, Pla34b, Pla34c, Pla38d, Pla95, Pla97, PHR07, Sch03, Sch78a, Sch78d, Yos95d, FSBR09, Foo16, Gra69, Kan69, Pla23g]. **Lawrence** [Ole81]. **laws** [Cla89, Pic08, Pla01g, Pla13e, Pla26b, Pla26e]. **layer** [Pla30g, Pla31a, Pla31f, Pla33b, Pla33e]. **“großes** [HRR10a, HRR10b]. **“Lachkabinett”** [HRR10a, HRR10b]. **“physikalischer** [HRR10a, HRR10b].  
**leap** [Fis10b, Fis12]. **least** [Pla14a, Pla14b, Pla25a]. **Leben** [Ano89, Ano97a, EI08, Hei88a, Hei06, KAR89, Mü108b]. **Lebenslauf** [Pla20b, PS58]. **Lebenswerkes** [Hei49]. **Lebenszeit** [JDB+97]. **Lecons** [Pla13g, Pla08a]. **Lecture** [Ano23, Pla11c, Pla11d, Pla23g, Pla29e, Pla29f, Pla7, Ano11, Fis08a, Hei69, Pla09c, Pla13c, Pla13d, Pla14c, Pla29h, Pla31e, Pla35c, Pla35d, Pla36c, Pla37d, Pla39c, Pla45a, Pla45b, Pla52d, Pla53d, Pla55e, Haa70, Hei31, Pla10c, Pla10d, Pla10e, Pla11a, Pla20b, Pla20c, Pla29g, Pla35e, Pla38h, Pla42e, vL58b]. **Lectures** [Fra25, HR01, Pla09e, Pla10a, Pla22h, Pla25d, Pla98, Pla12a, Pla15d, Som33, vL54, vL58a, Gri98, Max58, Pic25, Pla15g, Pla33h, Pla43b, Pla44b, Pla45e, Pla58f, Pla90b, Pla15f, Pla15e, Sim06, Kir94, MKD+91, Pla97f, Pla05c, Pla06g, Pla11e, Pla13g, Pla13k, Pla13j, Pla17c, Pla19f, Pla21g, Pla21f, Pla22j, Pla23i, Pla27f, Pla30h, Pla49k, Pla54c, PP64, Pla66, Pla08a, Pla10b, Pla15i, RH01, Ein06]. **Lehrbuch** [BBG+58, WF63, HKS+68]. **Lehrer** [Hof08b]. **Lehrstuhl** [AH93]. **Leibniz** [Pla46a, EP06, LMOS15, Pla15a, Pla22b, Pla26a, Pla30c, Pla46a]. **Leibnizischen** [Pla22b, Pla26a, Pla30c]. **Leibnizschen** [LMOS15, Pla15a]. **Leibniztag** [EP06]. **Leiden** [Pla09c]. **Leinen** [Ano34, Ano36]. **Leipzig** [Ano02, Ano13, Ano24, Ano30b, Ben30, Flü47, Fra31, Hei31, Her24, Jüt11, Jüt17, Jüt18b, Jüt21, Jüt22, Mis33, Pla93d, Pla94a, Pla09b, Pla39c, Pla52d,

Pla53d, Pla55e, Reg34, Wei68, Zil33, Pla94a, Pla09b, Pla39c, Pla52d, Pla53d, Pla55e]. **Leistung** [Jor48]. **Leitern** [Pla89y]. **Lekcii** [Pla00e]. **length** [MR98]. **Lense** [GBM<sup>+</sup>49]. **Lenz** [Ano48i]. **Leo** [Fra05]. **Léon** [Haa75, CS79a, Haa75]. **Leopold** [Mul00, Sch00b, HT99, Mul00, Sch04]. **less** [Kut14a]. **letter** [Tob08, HT99]. **Letters** [Prz86, Prz11, Eck97b, Prz63, Hie68, Mic68]. **letzten** [Haa70]. **Levensbericht** [van48]. **liberated** [Bra14b]. **Library** [Ano11, Ber14, C.49, Hie68, HS97]. **Licht** [HKS<sup>+</sup>68, Kir98a]. **Licht-und** [HKS<sup>+</sup>68]. **Lichte** [Pla26b]. **Lichtes** [Pla04a, Gae03, Pla02a]. **Lichtquanten** [Pla27b]. **Lichts** [Pla20a, Pla19b]. **Liebenow** [Pla07b]. **Liebig** [Ano53c, Ano53c]. **Life** [Ano97a, Hei88a, Hei06, Hop96, dACB58, Hei49, JDB<sup>+</sup>97, Mü108a, Mü108b, PS58, van48]. **Lifton** [Hop96]. **Light** [FSBR09, Gam85a, Pla19b, Pla20a, Pla31g, Pla32j, Pla37g, Pla49j, Pla96, Pla15h, JDB<sup>+</sup>97, Kir98a, Pla02a, Pla04a, Pla26b, Pla27c, Pla59a, Pla26e]. **light-quanta** [Pla27c]. **L'image** [Pla63a]. **Limits** [Pla49d, BRS03, Pla42d, Pla42e]. **linear** [Pla01g]. **linearen** [Pla01g]. **lines** [Kir98a, Pla15b]. **Linien** [Kir98a]. **linked** [Pla19d]. **links** [Abb01]. **Lipson** [KZR<sup>+</sup>73]. **Lise** [Ano46b, Ano49b, Ano49c, Büh98b, Ano49b, Ano49c, Büh98b]. **List** [Mei47]. **Listen** [Tib13]. **Literatur** [HD01, Kra03]. **Literature** [HD01]. **lithographische** [Pla93d]. **Liveing** [Pla89k, Pla89l]. **Lives** [Ano23]. **Local** [BF12, KM12, Pla39c, Pla52d, Pla53d, Pla55e]. **localization** [MR98]. **Logarithm** [Ano48i]. **Logarithmen** [GBM<sup>+</sup>49]. **Logarithmen/Seeliger** [GBM<sup>+</sup>49]. **loi** [Pla12a]. **London** [Cra27, McK27, Ano46d]. **long** [Pla03g, Rub12]. **Longmans** [McK27]. **longue** [Wal94]. **longueurs** [Rub12]. **Look** [Bla92, Frö01]. **Looking** [JDB<sup>+</sup>97]. **Looks** [O'F59]. **l'orchestre** [Pla94b]. **Lorentz** [Klo63, Pla27a, Pla28c, Pla78e, Prz63, Pla10f, Pla27a, Pla28c, Prz63, Prz11, Hie68, Mic68]. **Lorentz-Kontraktion** [Pla10f]. **Lorentz-Medaille** [Pla27a]. **Lorenz** [Sta10]. **löscht** [Bre08]. **lose** [Kut14a]. **lost** [Bre08]. **Lösung** [Pla89k, Pla89l, Pla89x, Pla03e]. **Lösungen** [Pla88i, Pla88k, Pla88j, Pla88h, Pla90b, Pla90e, Pla29n, Pla87b, Pla87f, Pla88a, Pla88l, Pla27e, Pla89s]. **Lösungs** [Pla89r]. **Lösungs-** [Pla89r]. **Lösungstheorie** [Pla03f]. **lotta** [Ros12]. **Low** [Lon45]. **Lowood** [Ole81, Ole81]. **Ltd** [McK27]. **Ludendorff** [Pla23e, Pla23e]. **Ludwig** [Ano47e, Ano02, Bor48, Bor63b, Hai11, Kör61, van10, Ano08d, Kan08, Kör61, MdB63]. **Luft** [Pla89a, Pla89f, Pla89i]. **lunga** [Ros12].

**M** [Ano24, Ano48a, Ano75, Cra27, Ein06, Gae03, Hei31, Klo63, MP19, Pla88b, Pla88e, Pla88f, Pla88g, Pla88h, Pla89q, Pla22b, Pla22f, Pla26a, Pla29b, Pla35a, Pla37i, Pla38a, Pla38g, SCP19, Som33, WvLuAE18, van48, vLP21, Ano34, Ano39, Sch55, Wil37, Ano34, Ano41b, Mis33]. **M.** [Ano48a, Duh88, Gam85a, Mos42, MP19, Pla22b, Pla26a, Pla29b, Pla35a, Pla37i, Pla38a, Pla38g, SCP19, Shp58a, Shp58b, Wil37, van48, vLP21, LdB12]. **même** [Pla08a]. **Mach**

[SR37, Yos95b, Bla88, Bla92, Hui13, Pla10i, Pla92, SR37, Thi69, Weg10].  
**Machschen** [Pla10i]. **Macht** [Koh02, Her03]. **Macke** [Ber60]. **Macrakis**  
 [Hop96]. **made** [Cli87]. **magnetischen** [Pla03h]. **magnetism**  
 [Pla22e, Pla32h, Pla49h, Pla57b, Pla93c]. **Magnetismus** [GBM<sup>+</sup>49, Pla22e].  
**Magnetismus/Brüche** [GBM<sup>+</sup>49]. **magneto** [Pla00b]. **magneto-optical**  
 [Pla00b]. **Magneton** [Cha14]. **magnetooptischen** [Pla00b]. **Magnus**  
 [Ano97a, Ano97a]. **Magnus-Haus** [Ano97a, Ano97a]. **Mai**  
 [Pla27a, Pla27b, Pla38h]. **Maier** [Kas64]. **Maier/Max** [Kas64].  
**Maier/Max-Planck-Medaille** [Kas64]. **Mainzer** [KAR89]. **Maksa**  
 [Iva59b, Lau58, Pla00e]. **Man**  
 [HB87, Hop96, Mei51, Pye88, San87, Swe89, Hei86a, Hei00, Cas86].  
**Management** [Pla33g]. **Managing** [MKD<sup>+</sup>91]. **Mankind** [Ano31, Dys70].  
**March** [Pla35c, Pla35d, Pla37d, Pla45a, Pla45b]. **Märchen** [Jos95]. **Maren**  
 [Kra03]. **Mariotte'schen** [Pla89e]. **Mark** [Ano36, Hop96, Ano30b].  
**markedly** [Pla03e]. **markedly-variable** [Pla03e]. **marks** [JDB<sup>+</sup>97].  
**marks/inertial** [JDB<sup>+</sup>97]. **Martin** [Hie68, Mic68, Ano61]. **Marx**  
 [Sei08, Sei08]. **März** [Pla35c, Pla35d, Pla37d, Pla45a, Pla45b]. **más**  
 [W<sup>+</sup>87, WdC02]. **masses** [Bre08]. **masters** [Pla33j]. **material** [Pla33j].  
**materials** [Pla88k]. **Materie**  
 [Pla01e, Pla78b, JDB<sup>+</sup>97, Pla01b, Pla02b, Pla44a]. **Mathematical**  
 [BT58, BBG<sup>+</sup>58, DT58, Kir94, KGSO55, Pla99a]. **Mathematicians**  
 [Acz01, Acz03]. **mathematics** [Ber15, FF91]. **Mathematik**  
 [Ber15, Ano48i, GBM<sup>+</sup>49, HKS<sup>+</sup>68]. **Mathematik/Daeves** [GBM<sup>+</sup>49].  
**Mathematik/Dörge** [GBM<sup>+</sup>49]. **Mathematik/Gravelius** [Ano48i].  
**Mathematik/Landau** [HKS<sup>+</sup>68]. **mathematisch** [Pla93d].  
**mathematisch-reine** [Pla93d]. **mathematische** [Kir94]. **Mathematischen**  
 [Ano48i, Pla99a]. **matrix** [MR82b]. **Matteo** [Ber14]. **Matter**  
 [Pla44a, Wei07, JDB<sup>+</sup>97, Pla88i, Pla01e, Pla01b, Pla02b, Pla78b]. **Maurice**  
 [Ano52]. **Max** [A.50, Adl03, Alb93, Ano02, Ano13, Ano24, Ano29b, Ano30b,  
 Ano32, Ano34, Ano36, Ano37, Ano38b, Ano39, Ano41a, Ano46a, Ano46b,  
 Ano46c, Ano47a, Ano47d, Ano47e, Ano48h, Ano48i, Ano49a, Ano49b,  
 Ano49c, Ano53a, Ano53b, Ano53c, Ano58, Ano61, Ano69, Ano70, Ano97b,  
 Ano08f, Ano08d, Ano11, Bad08, Bec09, Ben30, Ber14, BFV<sup>+</sup>48, Bre08, Bro36,  
 Brü48a, Büh98a, Cah99, Cra27, Dou49, Duh88, Dys70, EH08b, Ebe63,  
 Eck97a, EP06, Fal59, Fal50, Fie75, Fis07, Fis10b, Fis10a, Fis12, Flü47, Fra31,  
 Fra25, GBM<sup>+</sup>49, Gri98, Gut15, Haa70, Haa75, Hah57, Ham72, HD48, Har59,  
 HD01, HB87, Hei88a, Hei06, Hei31, HPE<sup>+</sup>33, Hei35, Hei43a, Hei43b, Hei49,  
 Hei69, HT99, Her03, Her72, Her77, Her24, Hib91, Hof96, HS97]. **Max**  
 [Hof00, Hof08e, Hof08f, Hof09, HRR10a, HRR10b, Hop96, Jac08a, Jac08b,  
 JDB<sup>+</sup>97, Jüt11, Jüt17, Jüt18a, Jüt18b, Jüt21, Jüt22, Kan69, Kan08, KAR89,  
 KSB63, Koh02, Kör61, Kra97, Kra03, Kro52, KGSO55, Lem08, Len49,  
 McK27, Mei47, MSQM63, Mic68, Mis33, Mul00, Nee80, OT97, Par12, Prz86,  
 Pye88, RH97, Reg34, RS49, Ros12, Rus50, San87, Sch00b, Sch65, Sch04,  
 Sch78d, Sch29, Sch61, Sch91, Sch55, Som33, Som36, Som38b, Som48, Spr89,

Sta10, Swe89, SS53, Thi69, Tob08, Tre01, Ull96, Uns67, Vog61, Wei68, Wes57, WF63, Wil37, Wol08, Wor63, Yos95b, Zil33, vBL96, vL38, Abb01, And48, Ano29c, Ano31, Ano38a, Ano41b, Ano43a, Ano43b, Ano44, Ano46c, Ano47b, Ano47c, Ano48b, Ano48d, Ano48e, Ano48f]. **Max** [Ano48c, Ano48g, Ano48j, Ano48k, Ano49a, Ano49b, Ano49c, Ano52, Ano53a, Ano53b, Ano53c, Ano57, Ano58, Ano59, Ano69, Ano70, Ano75, Ano77, Ano81, Ano89, Ano94, Ano97a, Ano97b, Ano02, Ano04, Ano08f, Ano08a, Ano08b, Ano08c, Ano08e, Ano14, Anoxx, Bad08, Bad15, Bec09, Ber60, BFV<sup>+</sup>48, BA01, BWN78, Bor48, Bor57, Bor63b, Bra14a, dACB58, dACB60, Bre08, Bro83, Brü48a, Brü48b, BPL<sup>+</sup>54, Büh98a, C.49, CM08, Cas86, CS79b, Dah08, DdCA48, Del79, Din39, Din59, Din61, Dri01, Dys70, EH08a, EH08b, Ebe63, Eck97a, Eck97b, Eck08, Ein06, Ein13, Ein54b, Ein53, Ein91, EP06, Fad96, Fal59, Fie75, Fis00, Fis07, Fis08a, Fis10b, Fis10a, Fis12, Fli58, FV12, Fra48, Frö01, Gea08, Gla15, Gol76, Gre90, Gri98, Gri87]. **Max** [GMM47, GMM48, Gut15, Haa70, Haa75, Hac07, Hah57, Hai11, Ham72, HD48, Har98, Har38, Har43, Har44, Har48, Har53a, Har53b, Har58, Har59, Har64a, Har64b, HKS<sup>+</sup>68, HD01, HH63, Hei86a, Hei88b, Hei88a, Hei00, Hei06, Hei07, HPE<sup>+</sup>33, Hei35, Hei38, Hei43a, Hei47a, Hei47b, Hei49, Hei86b, Hei69, HT99, Her72, Her73b, Her73a, Her77, HR01, Her76, Her01, HS97, Hof99, Hof00, Hof08b, Hof08c, Hof08d, Hof08e, Hof08a, Hof08f, Hof09, HRR10b, Hof10, Hoh99, Hos78, Hui13, Hun75, Iva59a, Jac02, Jac08b, Jae79, JDB<sup>+</sup>97, Jor48, Kan69, Kem38, Kho87, KSB63, Kle61, KMP59, Koe01, Koh02, Kör61, Kra02a, Kra02b, Kra00, Kre67, Kro52, KGSO55, Kut14b, Lan57, Law15, Lem08, Löh12, Low77, Lüs00, Max58, MH97, Mas12, Mei47]. **Max** [Mei51, Mei58, Mei01, MSQM63, MKD<sup>+</sup>91, MAS63, Mey08, Moo23, Mos42, Mü108a, Mü108b, Mul94, Nag82, Nau16, O'F56, O'F59, OT97, PP79, Pic25, Pla18a, Pla19a, Pla29m, Pla29k, Pla29l, Pla39b, Pla42c, Pla48f, Pla48c, Pla57d, PB90, PS58, Prz11, Pye83, Pye85a, Pye08, Qui13, RH97, RB01, Ros59a, Ros59b, Ros79, Ros08, Rut29, Sac69, Sch49, Sch48, Sch78a, Sch78b, Sch78d, Sch91, SH53, Sin08, Som18, Som38a, Som38b, Som47, Som49, Spr89, Thi69, Thi88, Tib13, Tob08, Uli97, Ull96, Ull13, Uns58, Uns67, Vog61, WH88, Weg10, Wei07, Wei09, Wei58, Wes57, Wes58, Wol08, Zac92, Zaj83, Zen38, dB48, van10, vL38, vL39, vL46, vL47, vL48a, vL48b, vL50, vL54, vL58b, vL58a, vL60, Gea09, Hen60, Koy52]. **Max** [Ole81, Sta10, You68]. **Max-Planck-Ausstellung** [Uns67]. **Max-Planck-Denkmal** [Ano59, Uns58]. **Max-Planck-Denkmal/Kongressitis/Internationale** [Ano59]. **Max-Planck-Feier** [Hof96]. **Max-Planck-Festschrift** [Ber60, KMP59]. **Max-Planck-Gesellschaft** [Bec09, Cah99, Ebe63, Kra97, Sta10, vBL96, Zac92]. **Max-Planck-Medaille** [BT58, DT58, Fie75, Haa75, Kas64, KZR<sup>+</sup>73, KGSO55, Pun67, Rut69, Ano52, Ano81, BWN78, Frö01, Hoh99, Hos78, Hun75, Lüs00, SH53]. **Max-Planck-Vortrag** [Dys70, Haa70, Hei69]. **Maxwell** [Pla31c, Bru02, FMM96, Pla94c, Pla95b, Pla98b, Pla99a, Pla03a, Pla31c, Pla31d, Tho31]. **Maxwell'sche** [Pla03a, Pla98b, Pla99a]. **Maxwell'schen** [Pla95b, Pla94c].

**May** [Pla27a, Pla27b, Pla38h]. **Mayer** [MdB63]. **Mayer/Alwin** [MdB63].  
**me** [HS97]. **mean** [Fok14]. **Meaning**  
 [Dar01, Pla49d, Ish15, Ish17, PB17, Pla10h, Pla42a, Pla42e]. **Means**  
 [Luc30, Nye06]. **measured** [Cha97]. **Measurement**  
 [Hol99, WSNO98, Gré19]. **Measurements**  
 [Kan70, Hof48, Pla06d, Pla06e, Pla07a, Pla07c, Pla16a]. **Mechanical**  
 [Pla10g, Pla15a, Pla15c, Cla91, Kir98b, Pla04b, Pla10c, Pla10d, Pla10e,  
 Pla10b, Pla11a]. **Mechanics**  
 [GL23, Hie68, Mic68, Pla03c, Pla16c, Pla16d, Pla19e, Pla21c, Pla22d, Pla28b,  
 Pla31b, Pla32g, Pla49e, Pla57a, Pla64b, Pla15f, Prz63, CG00, CG03, CC03,  
 Cha97, ET07, FGH91, MR82a, MR82c, MR82b, MR87, MR00, Pla06c, Pla28d,  
 Pla33d, Pla37e, Pla40b, Pla40c, Pla41c, Pla49a, Prz86, Prz11, Wes40, HKS<sup>+</sup>68].  
**Mechanics/Beiser** [HKS<sup>+</sup>68]. **Mechanik** [Moo23, Pla16c, Pla16d, Pla19e,  
 Pla21c, Pla22d, Pla28b, Pla31b, Pla15f, Pla06c, Pla37e]. **Mechanische**  
 [Pla15a, Pla15c, Cla91, Kir98b, Pla04b]. **mechanischen**  
 [Kir98b, Pla79, Pla89j, Pla89n, Pla10c, Pla10d, Pla10e, Pla10b, Pla11a].  
**Medaille** [Ano49b, Ano49c, Ano61, BT58, DT58, Fie75, Haa75, Kas64,  
 KZR<sup>+</sup>73, KGSO55, MdB63, Pla27a, Pun67, Rut69, Ano52, Ano81, BuDH07,  
 BWN78, Frö01, Hoh99, Hos78, Hun75, Lüs00, SH53]. **Medal**  
 [Ano29a, Ano29c, Ano49b, Ano49c, BuDH07, Fie75, Frö01, Haa75, KGSO55,  
 Lüs00, Pla27a]. **media** [Pla04a]. **Medical** [Hop96]. **Medicine**  
 [Ano46c, Hop96]. **Medien** [Pla05a]. **Medium** [Pla04a]. **Medizin**  
 [Ano46b, Ano46c]. **Medizin/Pasteur** [Ano46b, Ano46c]. **Medizinischen**  
 [Cah99]. **Meer** [Bre08]. **Meeting** [Pla20a, Dys70, Hof08e, Pla94a, Pla06f,  
 Pla11c, Pla11d, Pla29c, Pla30c, Pla32b, Pla33g, Pla35a, Pla35e]. **Meetings**  
 [JDB<sup>+</sup>97]. **meets** [CH01]. **mehreren** [Pla15d, Pla15e]. **Mein**  
 [Alb93, Pla47b]. **meinen** [OT97]. **meiner** [Ein07a]. **meistert** [Pla33j].  
**Meitner** [Ano46b, Ano49b, Ano49c, Ano49c, Büh98b]. **melting**  
 [Pla82]. **Mem.R.S.** [Ano38b, Ano48h]. **member** [Pla38g]. **memoir** [Duh88].  
**mémoire** [Duh88]. **Memorial** [Ano48d, Ano48c, Ano48j, Pla48f, DdCA48,  
 Kir79, SR37, Pla06f, Pla23f, Som48, vL48b]. **Memoriam**  
 [Ein54b, Ein53, Mei47, Pla46a, GMM48]. **Memories**  
 [RH01, Hah57, Pla35e, Pla46b, Pla49k, BFV<sup>+</sup>48, Pla30b]. **memory**  
 [Pla94a, Pla14d, Som47]. **Men** [Cli87]. **menneske** [Har44]. **Mensch**  
 [BPL<sup>+</sup>54, Har38, Har43, Har48, Har53a, Har53b, Har58, Har64a, Har64b,  
 Hen60, Mei58, Mei01, Wes58]. **Menschheit** [Dys70]. **mental** [Hen07].  
**mentality** [Hen07]. **Mérite** [Wes57, Wes57]. **merklich** [Pla03e]. **message**  
 [Pla19d]. **Messtechnik** [BBG<sup>+</sup>58]. **Messtechnik/Hönger** [BBG<sup>+</sup>58].  
**Messungen** [Kan70, Pla06d, Pla06e, Pla07a, Thi71]. **metafisica** [FV12].  
**Metal** [Pla03a]. **Metalle** [Pla03g]. **metallic** [Pla89y]. **metallischen**  
 [Pla89y]. **Metalloptik** [Pla03a]. **Metallurgy** [Ber14]. **metals** [Pla03g].  
**metaphysical** [FV12]. **Method** [Luc30, Iro05]. **Methoden** [BBG<sup>+</sup>58].  
**methodology** [Kon02]. **Methods** [KZR<sup>+</sup>73, Sch17, Ris96, BBG<sup>+</sup>58].  
**Michael** [Hop96]. **Mie** [GBM<sup>+</sup>49]. **Millikan** [SR37, Hol99, SR37]. **Mind**

[Hür22]. **minds** [Pic08]. **mir** [HS97]. **mira** [Pla29o]. **mirror** [Hof08b, Lem08, Uli97, Ull13]. **Mischung** [Pla89u]. **Mischungen** [Kir98b]. **Misprints** [BT58, DT58]. **místicos** [W<sup>+</sup>87, WdC02]. **Misunderstood** [Ano16]. **Mitarbeit** [Kra03]. **Mitgliedsbeiträge** [Ano81]. **Mitt** [Pla97d, Pla98c, Pla15d, Pla15e, Pla31f, Pla33e]. **Mitt.** [Pla29n]. **Mitteilung** [Pla97c, Pla97b, Pla99c, Pla19d, Pla27b, Pla41c, Pla17d, Pla17e]. **Mittel** [BBG<sup>+</sup>58]. **mittlere** [Fok14]. **mixtures** [Kir98b, Pla83]. **Mk** [Jüt22, Ano02, Ano13, Jüt11, Jüt17, Jüt18a, Jüt18b, Jüt21]. **mode** [Iro05]. **Model** [HN70, Tib13, Pad83, Pla19c, Pla24c, SNE01]. **Modell** [Pla19c]. **Modern** [Gib19, Pla31g, Pla37g, Pla96, Pla15g, Pla15h, Bra09, Din39, Hof08d, Hof10, Pla10c, Pla10d, Pla10e, Pla10b, Pla11a, PS33, Pla59a, Pla63a, Pla29o, Seg07b, Sti84, Zaj83, HKS<sup>+</sup>68]. **moderne** [Hof10]. **Modernen** [GBM<sup>+</sup>49, Ano41b, Din39, Gea09, Hof08d, Mos42, Sti84]. **modifications** [MR82b]. **modified** [Pla14e]. **moléculaires** [Som12]. **Molecular** [Her01, Pla87b, Pla87f, Pla88l, SNE01, Som11, Som12]. **Moleculargeschwindigkeiten** [Pla88c]. **Moleculartheorie** [Pla89u]. **Molecülen** [Pla88c]. **molecules** [Pla94c, Pla95b, Pla15d, Pla15e, Pla22i]. **Molekeln** [Pla15d, Pla15e]. **molekulare** [Pla87b]. **Molekularphysik** [Som11]. **Möller** [Pun67]. **moments** [Büh98b]. **monatomic** [Pla08e, Pla25h]. **monde** [Pla63a]. **mondo** [Pla42b, Pla43a, Pla49c, Pla54a, Pla54b, Pla64a, Pla93a]. **Monika** [Hop96]. **monument** [Ano59, Qui13, Uns58]. **monument/Congressitus/International** [Ano59]. **mood** [Pla93b]. **Moral** [Ano31]. **Moritz** [Hof08b, EI08, Hof08b]. **morning** [Ano47a]. **Morrison** [BPL<sup>+</sup>54]. **Mosengeil** [Pla07d]. **Mössbauer** [Pun67]. **Mössbauer/Max** [Pun67]. **Mössbauer/Max-Planck-Medaille** [Pun67]. **Most** [Bir19, Gut15, Rog10, W<sup>+</sup>87, WdC02]. **motion** [Cla91]. **motive** [Cla89]. **Mott** [MKD<sup>+</sup>91]. **moving** [Pla07f, Pla07d, Pla08f]. **MPI** [Ano11]. **Mr** [KSB63, Pla29c, Sch29, Pla92b]. **Mr.** [Duh88, Pla00a, Pla00d, Pla03b, Pla13f, Pla29c]. **Müller** [MP19]. **Multiple** [Fra05]. **München** [Ano34, Ano36, Ano39, Ano41a, BWN78, Sac69, Sch55, Wil37]. **München-Basel** [Sac69]. **München/Frühjahrstagung** [BWN78]. **Münchener** [BDR86]. **Münchner** [Tob08]. **mondo** [W<sup>+</sup>87, WdC02]. **Munich** [BDR86, You68, TEW02, Tob08]. **Münster** [Ano81]. **Münze** [Ano70]. **Murphy** [Bro36, Bro36]. **Music** [Ano53b]. **Must** [Tib13]. **Musterbeispiele** [Ano48i]. **Mutter** [BBG<sup>+</sup>58]. **My** [Alb93, Ein07a, OT97, Pla58a, Pla47b]. **Mystery** [Acz01, FR13]. **mystical** [W<sup>+</sup>87, WdC02].

**N** [Cra27, Hop96, Hof96]. **Nach** [Ano46b, Ano46a, Fis00, Frö01, Her77, Jac08b, Löh12, Pla89o, Pla93b, Pla19c, Pla39c, Pla52d, Pla53d, Pla55e]. **Nachruf** [Hei47b, SR37, vL46, vL50]. **Nachtrag** [Pla01c, Pla34c, Pla40c, Pla01d, Pla07c]. **Nachweis** [Ano48e, Ano48f]. **Nägels**

[Pla38f, Pla38f]. **nahe** [Kir98b]. **Name** [Sei08]. **Namens** [Sei08].  
**Namens-Überraschung** [Sei08]. **Nanotube** [FSBR09]. **Natanson** [Pla89o].  
**National** [Her03, Hop96, Wei89, Hen96, Koh02, RW94, Wal94].  
**Nationalsozialismus** [Her03]. **Nationalsozialismus** [Koh02]. **Natur**  
[Cla91, Gae03, Kut14a, MKD<sup>+</sup>91, Pla02a, Pla24b]. **Natur-** [MKD<sup>+</sup>91].  
**Natural** [Pla49f, Fis00, FV12, Pla93b, Pla33c, PS33, Pla38d, WH88, Pla40a].  
**Naturanschauung** [Pla10c, Pla10d, Pla10e, Pla11a, Pla10b]. **Nature**  
[Gol76, Inf61, Pla10g, Pla44a, Pla15g, RB01, Cla91, Kut14a, Pla02a, Pla10c,  
Pla10d, Pla10e, Pla10b, Pla11a, Pla24b, Pla36a, Pla36c, Pla37h, Pla39c,  
Pla45d, Pla48e, Pla52d, Pla53d, Pla55e, Pla90b, Bro36]. **Naturgeschehen**  
[Pla33c]. **Naturgesetzlichkeit** [Pla38d]. **natürlichen** [Fis00]. **natürlicher**  
[Pla93b]. **Naturwissenschaft**  
[AH93, HD48, Pla38h, Pla48d, AH93, BBG<sup>+</sup>58, Pla40a, Tre01].  
**Naturwissenschaft/Erckmann** [BBG<sup>+</sup>58]. **Naturwissenschaften**  
[Sch00b, Jüt18a]. **naturwissenschaftlichen** [Pla09c]. **Nauchnaja** [Pla58g].  
**Nauheim** [BWN78]. **nauki** [PS33]. **Nazi**  
[Hop96, Abb01, Hac07, Mac93, MP01]. **Nazis** [Hop96]. **Nazism**  
[Hop96, Hop96, Wei89]. **near** [Ano46c]. **nebst** [WvLuAE18]. **Necessary**  
[v.B18]. **Need** [Law15]. **neglected** [Hof08e]. **Nernst** [Pla89x, Pla13g, Pla08a,  
Men73, Pla10h, Pla12c, Pla12d, Pla13g, Pla08a, SNE01]. **Nernstschen**  
[Pla10h]. **Nernstsches** [Pla12c, Pla12d]. **net** [McK27]. **Neue**  
[Ano46b, Pla98a, Pla11b, Pla25b, Ano70, Pla13h, Pla14f, Pla16e, Pla23h].  
**Neuen** [GBM<sup>+</sup>49, Ano29b, Ano30b, Ano53c, Ben30, Pla29d, Pla29g, Pla29e,  
Pla29f, Pla29h, Pla29i, Pla29j, Pla30d, Pla30e]. **Neuer** [Ano46b]. **neuere**  
[Pla96b, Pla12c, Pla12d]. **neueren**  
[Hol13, Pla91a, Pla10c, Pla10d, Pla10e, Pla10b, Pla11a]. **neuerer** [Pla26b].  
**neues** [Pla93b]. **Neufeld** [Hop96]. **Neutrons** [MKD<sup>+</sup>91].  
**Neutrons/Belyaev** [MKD<sup>+</sup>91]. **newer** [Hol13]. **Newton** [Ano46d, Büh98b].  
**Newtons** [Büh98b]. **nicht** [Pla42f]. **nichtleitenden** [Pla05a]. **Nichtleitern**  
[Pla02d, Pla03h]. **Nickel** [VD47]. **Nicolò** [Ber14]. **Niederfrequenz**  
[BBG<sup>+</sup>58]. **Niels** [Adl03, Bro36]. **No** [Ano21, Ano31, Pic25]. **Nobel**  
[BCS82, Jüt21, Pla20b, Ano46c, Ano47c, Cra84, Fri81, JDB<sup>+</sup>97, Nag82,  
Pla20b, Pla20c]. **Nobel-Preis** [Ano46b, Ano46c]. **Nobel-Vortrag**  
[Jüt21, Pla20b]. **Nobelpreis** [JDB<sup>+</sup>97]. **Nobelpreise** [Ano61].  
**Nobelvortrag** [Pla20c]. **noir** [Pla12a, War12]. **Nomenclature**  
[BT58, DT58]. **Nomenclature/Additions** [BT58, DT58]. **Nominations**  
[KK75]. **Nominierung** [BWN78]. **Non**  
[Ano77, Ole81, Low77, Pla05a, Som12]. **non-conductive** [Pla05a].  
**Non-Technical** [Ano77, Ole81, Low77]. **nonconformity** [Hac07]. **none**  
[OT97]. **Nonequilibrium** [Hoh99]. **Nonkonformität** [Hac07]. **nonperiodic**  
[Som12]. **Normal** [Pla00i, Pla01a, Pla69b, Pla78a, Ano48a, Pla04a, Pla05a].  
**Normale** [Pla05a]. **normaler** [Pla04a]. **Normalspectrum** [Ano48a].  
**Normalspektrum** [Pla00i, Pla01a, Pla78a]. **North** [Adl03]. **Norwegian**  
[Har44]. **Note** [Har98, Has14, LSW95, Rut29, Pla92c, Pla97a]. **Noted**



[Ano47c]. **Notes** [Bla78]. **Notgemeinschaft** [Pla29e, Pla29f]. **notions** [Pla32a]. **Notiz** [Pla92c, Pla97a]. **Nov** [Pla31e]. **Nova** [Ber14]. **November** [Hei31, Pla06f, Pla31e, Pla39c, Pla52d, Pla53d, Pla55e, Som48]. **novembre** [LdB12]. **novyh** [Pla26e]. **Nr** [Ano02]. **NS** [Hac07]. **NS-Zeit** [Hac07]. **Nuclear** [Ano53b, BPL<sup>+</sup>54, Hop96, Sim12, Ano46c, BDR86, Kae48]. **Nuclear-Fission** [Sim12]. **Nucleus** [FR13]. **Numerisches** [Ano48i].

**O** [Ano46a, Pla47a]. **Überhambach** [Pla19d, Pla19d]. **obituary** [Hei47b, SR37, vL46, vL50]. **objection** [Pla92b]. **oblivion** [Bre08]. **obra** [dACB58]. **obrazu** [Pla70]. **Observability** [AP00]. **Observations** [Pla23a]. **observed** [JDB<sup>+</sup>97]. **observed/Laser** [JDB<sup>+</sup>97]. **occasion** [HD01, Max58]. **October** [Ano97a, MH97, Pla14f, Pla16e, Pla23h, van48, vL48b, vL48b]. **octobre** [Ano48b, LdB12]. **odd** [Bad09]. **Oettingen** [Pla89c]. **öffentl** [Pla15a]. **Öffentliche** [Pla29c]. **öffentlichen** [Pla22b, Pla29e, Pla29f, Pla30c, Pla32b, Pla35a]. **Offered** [Luc30, Pla30f]. **Offers** [Koe01]. **Office** [Pla13h, Pla14g]. **Ogg** [McK27]. **Oktober** [Ano97a, BWN78, MH97, Pla29m, Pla39b, Pla14f, Pla16e, Pla23h]. **Old** [tH67, Hei38, Pla46b]. **One** [Ano47c, Gib19, Hoh99, Wei58, HRR10b, Par12]. **one-act** [HRR10b]. **open** [Ber14]. **opening** [Ano11, Pla22f]. **Operation** [Hop96]. **Operations** [BT58, DT58]. **Opinions** [Ein54a, Ein82]. **Oppenheimer** [Pun67]. **Oppenheimer/Unruhe** [Pun67]. **opponent** [Löh12]. **opposite** [Wol08]. **optical** [Pla00b, Pla03g, Pla04a, KZR<sup>+</sup>73]. **optics** [Pla03a]. **Optik** [Ein06]. **optisch** [Pla04a]. **optischen** [Pla03g]. **orbits** [Pla19d]. **Order** [Mer38, Fis00, Pla49b]. **Ordnung** [Fis00]. **Organic** [KZR<sup>+</sup>73]. **organizer** [Kho87, Uli97, Ull13]. **Origin** [Pla22g, Pla10a, Sch00a, MSQM63, Sti84, Pla33a, Pla33g]. **Original** [Ped75, Kan72b, Kan72a]. **Originated** [Ano47c, Ano47d, Ano47a]. **Ortsgruppe** [Pla39c, Pla52d, Pla53d, Pla55e]. **oscillations** [Pla96c]. **oscillator** [Sch78b]. **oscillators** [Pla13i]. **osmotic** [Pla90a, Pla03e]. **osmotischen** [Pla90a, Pla03e]. **Österreichischen** [Ano11]. **Ostertagung** [Pla11c, Pla11d]. **Ostwald** [Kör61]. **Ostwalds** [Kör61, Ano02]. **Oszillatoren** [Pla13i]. **Oszillators** [Sch78b]. **Other** [A.50, Dou49, Pla49g, Pla50b, Pla68, Pla71, Pla14, Rus50, C.49, Hei69, Pla14i, Pla14j, Pla25f, Pla90b]. **Ott** [Pla30f]. **Otto** [Ano49b, Ano49c, Ano49b, Ano49c, Sim12]. **our** [Uns67]. **Outline** [Pla93c]. **overall** [Som11]. **Overproduction** [Pla33f]. **Overview** [Pla82].

**P** [Jac08a, Pic25, Pla89p, Pla89r, Pla89s, Pla37i, Ano48a, Ber60]. **P.** [Pla37i]. **Paalzw** [Pla08d]. **Paarläufe** [FS06]. **pages** [C.49, Hei31, Pic25]. **Pain** [Ano21]. **pair** [FS06]. **Pamjati** [Lau58]. **Papapetrou** [Ber60]. **Paper** [Pla20a, You68, Ein07a, Hof08a, Pla91b, Wes40, Pla13e]. **Papers** [Ano48e, Ano48f, CS79a, Hof08c, Jos95, Ped75, Pla49g, Pla50b, Pla68, Pla71, Pla14, WC91, vL58a, C.49, Kan72b, KKRS96, Kan72a, A.50, Dou49, Rus50]. **para** [FV12]. **Paradox** [Ano31]. **Parametern** [Lüs00]. **parameters**

[Lüs00, Pla35b]. **Paris**  
 [KGSO55, Pla94b, Pla11c, Pla11d, KGSO55, Pla11c, Pla11d]. **Paris/FA**  
 [KGSO55, KGSO55]. **Parker** [Pla88d]. **Part** [Cah99, MR87, Kör61].  
**Parthey** [Cah99]. **Partial** [Sch17]. **particle** [Wes40]. **particles**  
 [Boy79, BFG81, Fis10b, Fis12, Pla20a]. **Paschen** [Kan69, Kan69, PP79].  
**Paschen-Wiensch** [Kan69]. **Paschen**. [PP25]. **Päsler** [Sch65]. **Pasteur**  
 [Ano46b, Ano46c, Ano46c]. **path** [Shp58a]. **paths**  
 [Pla13h, Pla14f, Pla14g, Pla16e, Pla23h, HPE<sup>+</sup>33, Hei43a, Som33].  
**patriotism** [vP06]. **Patriotismus** [vP06]. **Patterns** [Hoh99]. **Paul**  
 [Hop96, Hos78, Pla06a, SH53, Ano46a, Ano52, Pla06a, Pla06f]. **Pauli**  
 [BT58, DT58, MKD<sup>+</sup>91]. **Pauli/Falk** [MKD<sup>+</sup>91]. **pedagogy** [BN13].  
**Peierls** [MdB63]. **Peierls/Friedenspreis** [MdB63]. **Pellat** [Pla89t].  
**Pennemunde** [Hop96]. **People** [Tib13]. **Perceptions** [Pla15g]. **periodic**  
 [Pla23d]. **périodiques** [Som12]. **periodischer** [Pla23d]. **Permanente**  
 [Pla88f, Pla89q]. **person**  
 [Har38, Har43, Har44, Har48, Har53a, Har53b, Har58, Har64a, Har64b].  
**personal** [Hah57, Pla35e, Pla46b]. **personality** [Ano97a]. **persönliche**  
 [Hah57, Pla35e, Pla46b]. **Persönlichkeit** [Ano97a]. **Perspective**  
 [Sch22, Fri81]. **Perspectives** [Bla92, ET07]. **Peters** [Ano48i, GBM<sup>+</sup>49].  
**Petra** [Cah99, Kra03]. **Pflichtgefühl** [Fis08b]. **Phantasies** [Ano31]. **phase**  
 [Pla16b]. **Phasenraumes** [Pla16b]. **phenomena** [Som12]. **phénomènes**  
 [Som12]. **Phenomenon** [Tib13]. **phil** [Pla07b]. **Philadelphia**  
 [Pla27b, Pla27b]. **Philosoph** [HKS<sup>+</sup>68, Kre67, Sac69, You68].  
**Philosoph/Strubecker** [HKS<sup>+</sup>68]. **Philosopher** [Kre67]. **philosophers**  
 [Acz03]. **Philosophical** [C.49, Hie68, MKD<sup>+</sup>91, Pla36c, Pla39c, Pla52d,  
 Pla53d, Pla55e, Hei58, Kro52, Pla70, Vog61, BDR86]. **Philosophie**  
 [Har59, Her77, KAR89, Lan57]. **Philosophischen**  
 [Pla39c, Pla52d, Pla53d, Pla55e, Hei58, Kro52, Pla36c, Vog61]. **Philosophy**  
 [Gol76, Pla36b, CH01, ET07, Har59, Her77, Lan57, Mun36, Pla59a, Pla63b,  
 Sce16]. **Philosphers** [Acz01]. **Photoelectric** [Mil16]. **Photograph** [Qui13].  
**Photographie** [BBG<sup>+</sup>58]. **Photographie/Photographie** [BBG<sup>+</sup>58].  
**photography** [KGSO55]. **photon** [Par94]. **Photons** [Gra69, Pla27b]. **Phys**  
 [MSQM63]. **Phys**. [MSQM63]. **Physicae** [Her73b]. **Physical**  
 [Ano48a, BT58, Brü48b, DT58, GL23, HW07, Pla06f, Pla11c, Pla11d, Pla18a,  
 Pla35e, Pla38g, Pla50a, Pla60b, Pla93b, Pye83, Pye85a, Pye08, Som48,  
 Wor63, v.B18, vL58a, Gré19, HPE<sup>+</sup>33, Hei43a, HRR10b, Max58, Pla09b,  
 Pla09c, Pla10i, Pla13h, Pla14f, Pla14g, Pla16e, Pla16b, Pla23h, Pla27b,  
 Pla27c, Pla29g, Pla42b, Pla43a, Pla43c, Pla49c, Pla54a, Pla54b, Pla64a,  
 Pla70, Pla93a, Ros08, Som33, Hof08e, Pla94a, Pla26b, Pla28c, Pla58f, Pla26e].  
**Physicist** [Ano47c, Ano47d, Anox, Ham72, JM17, Ano47a, Fis07, Fis10a,  
 Hof09, HRR10b, Wei09]. **Physicists**  
 [Hür22, KK75, Kir79, RTKK75, TEW02, Brü38, Cli87, Dys70, Hen07, Seg07b,  
 W<sup>+</sup>87, WdC02, dR85, HW07, KK75, Kir79, RTKK75, HKS<sup>+</sup>68]. **Physics**  
 [Acz01, Ano21, Ano53b, Ano11, BT58, BBG<sup>+</sup>58, Cah85, Cah88, CH01, Cra84,

DT58, Fra25, Fri81, Gam85b, Hen96, Her73b, JM17, Mes07, MKD<sup>+</sup>91, Par12, Ped75, Pla09e, Pla10a, Pla30a, Pla22h, Pla25d, Pla30f, Pla31g, Pla32g, Pla32i, Pla33d, Pla36b, Pla37g, Pla49a, Pla49e, Pla49i, Pla49j, Pla57a, Pla64b, Pla96, Pla98, Pla12a, Pla15d, Pla15h, TEW02, Tib13, Bad09, BN13, Bae01, Ber15, BDR86, Bra09, Büh98b, BRS03, Cas09, Cli87, Din39, Eck97a, Eck97b, ET07, FF91, Haa70, Hei35, Her58, Hof08d, Hof10, Kae48, Kan72b, Kir94, Lon84, Lon03c, Mul94, Pic25, Pla10c, Pla10d, Pla10e, Pla10b, Pla11a, Pla15g, Pla29d, Pla29g, Pla29e, Pla29f, Pla29h, Pla29i, Pla29j, Pla30d, Pla30e, Pla31c, Pla31d, Pla32a, Pla32f, Pla32d, Pla32e, Pla32h, Pla37c, Pla41b].

**physics** [Pla41a, Pla48a, Pla49h, Pla52a, Pla53a, Pla55a, Pla55b, Pla57b, Pla58b, Pla59a, Pla60b, Pla63a, Pla63b, Pla65a, Pla67a, Kan72a, Pla89, PD93, Pla15e, Pla29o, Set03, Som11, Spr89, Sti84, Str11b, WP85, Zaj83, Zim34, BPL<sup>+</sup>54, BBG<sup>+</sup>58, HKS<sup>+</sup>68, Hei69, JDB<sup>+</sup>97, KZR<sup>+</sup>73, Pla32j, Pla35c, Pla35d, Pla37d, Pla45a, Pla45b, Pla52c, Pla53c, Pla55d, Pla57c, Pla58d, Pla65c, Som36, Fal50, Ped75]. **Physics/Blaschke** [BBG<sup>+</sup>58]. **Physics/Inönu** [HKS<sup>+</sup>68]. **Physics/Werner** [BPL<sup>+</sup>54]. **Physik** [Ano02, Ano29b, Ano34, Ano11, Ber15, Büh98b, Eck97a, Fra31, Gae03, Haa70, Hei35, KAR89, Pla94a, Pla06f, Pla10a, Pla10c, Pla10d, Pla10e, Pla11c, Pla11d, Pla11a, Pla29g, Pla29e, Pla29f, Pla29h, Pla30f, Pla31c, Pla35c, Pla35d, Pla37d, Pla45a, Pla45b, Pla52c, Pla53c, Pla55d, Pla58d, Pla65c, Pla67c, Som36, Spr89, Sti84, Pla38g, Ano30b, Ano36, Ano39, Ano41b, Ano41a, Ano48i, Ben30, Din39, GBM<sup>+</sup>49, HKS<sup>+</sup>68, Hei69, Her58, Hof08d, Hof08a, Hof10, JDB<sup>+</sup>97, Kir94, MKD<sup>+</sup>91, Mos42, Pla30a, Pla29d, Pla29i, Pla29j, Pla30d, Pla30e, Pla32d, Pla32e, Pla37c, Pla41a, Pla48a, Pla52a, Pla53a, Pla55a, Pla55b, Pla58b, Pla65a, Pla67a, Pye83, Pye85a, Pye08, Sch55, Wil37, Zim34, Gea09]. **Physik-** [Spr89]. **Physik-Nobelpreis** [JDB<sup>+</sup>97]. **Physik/Landau** [HKS<sup>+</sup>68]. **Physik/Mie** [GBM<sup>+</sup>49]. **Physik/Peters** [Ano48i]. **Physik/Planck** [Ano48i]. **Physik/Waerden** [HKS<sup>+</sup>68]. **Physik/Westphal** [Ano48i]. **Physikalisch** [Cah99]. **Physikalische** [Brü48b, Ebe63, HW07, Hof08e, Pla50a, vL58a, Max58, Pla16b, Pla27b, Pla29g, Ano58, BBG<sup>+</sup>58, Pla22h, Pla26b, Pla58f]. **Physikalischen** [Ano48a, BBG<sup>+</sup>58, Pla18a, Pla28c, Pla35e, Som48, WvLuAE18, Ano32, HPE<sup>+</sup>33, Hei43a, Mis33, Pla09b, Pla09c, Pla10i, Pla13h, Pla14f, Pla16e, Pla23h, Pla33h, Pla34e, Pla43c, Pla43b, Pla44b, Pla45e, Reg34, Som33, Zil33]. **Physikalischer** [Ebe63]. **Physiker** [Brü38, Fis07, Fis10a, Hof09, HRR10a, HRR10b, Jac08a, KK75, Kir79, Ano48i, Ano02, HW07, KK75, Kir79, MKD<sup>+</sup>91, RTKK75]. **Physiker-Gräber** [Ham72]. **Physiker/Kay** [MKD<sup>+</sup>91]. **Physiker** [?]ReihenentwicklungenAnonymous:1948:RWG. **Physikern** [KK75, Kir79]. **Physikertagung** [BWN78, Dys70, Haa70, Hei69]. **Physikertagung/Fortbildung/Frühjahrstagung** [BWN78]. **Physikgeschichte** [Eck97b]. **physique** [Pla41b, Pla63a, Pla89, PD93]. **picture** [Pla09c, Pla70]. **pictures** [Pla09b]. **Pinpointing** [Ano12]. **Pionen** [Lüs00]. **pions** [Lüs00]. **pism** [Pla70]. **Planck**

[Abb01, Adl03, Alb93, Ano02, Ano13, Ano24, Ano29b, Ano30b, Ano34, Ano36, Ano38a, Ano38b, Ano39, Ano41b, Ano41a, Ano43b, Ano44, Ano46a, Ano46b, Ano46c, Ano48e, Ano48f, Ano48c, Ano48h, Ano48i, Ano48j, Ano49a, Ano49b, Ano49c, Ano52, Ano53b, Ano57, Ano59, Ano61, Ano70, Ano81, Ano89, Ano97a, Ano02, Ano04, Ano08a, Ano08c, Ano11, Ano14, Bad08, Bec09, Ben30, BF12, Ber60, Ber14, BA01, BuDH07, BT58, BWN78, Bor63b, Boy84, BFG81, Bre08, Bro36, Brü48b, BPL<sup>+</sup>54, BBG<sup>+</sup>58, Büh98a, C.49, Cah99, CG03, Cas86, CC03, Cra27, DT58, Din39, Din59, Dou49, Dri01, Dys70, EH08a, Ebe63, Eck97b, Ein06, Ein07a, Ein13, Fal59, Fie75, Fis00, Fis07, Fis08a, Fis10b, Fis10a, Fis12, Flü47, Fra31, Frö01, Gae03]. **Planck** [Gea09, Gri98, GMM48, Gut15, Haa70, Haa75, Ham72, HD48, Har38, Har43, Har48, Har53a, Har53b, Har58, Har59, Har64a, Har64b, HKS<sup>+</sup>68, HD01, HH63, HB87, Hei88a, Hei06, Hei31, HPE<sup>+</sup>33, Hei35, Hei38, Hei43a, Hei43b, Hei47b, Hei86b, Hei69, Hen60, HT99, Her03, Her72, Her73b, Her73a, Her77, HR01, Her76, Her24, Hie68, Hof96, Hof00, Hof08b, Hof08d, Hof08e, Hof08f, Hof10, Hoh99, Hop96, Hos78, Hum75, Jac02, Jac08a, Jae79, JDB<sup>+</sup>97, Jüt11, Jüt17, Jüt18a, Jüt18b, Jüt21, Jüt22, Kas64, KAR89, KSB63, Klo63, KMP59, Koe01, Koh02, Kör61, Koy52, Kra97, Kra02a, Kra02b, KZR<sup>+</sup>73, Kre67, KGS055, Kut14b, Lan57, Lem08, Löh12, Lüs00, Max58, MH97, McK27, Mei47, Mei58, Mei01, MSQM63, MKD<sup>+</sup>91, MAS63, Mey08, Mic68]. **Planck** [Mis33, MeB63, Moo23, Mos42, Mü108b, Mul00, Nee80, OT97, Ole81, Par12, Pic25, PS58, Prz63, Prz86, Pun67, Pye88, Reg34, Ros12, Rut69, Sac69, San87, Sch49, Sch00b, Sch65, Sch04, Sch78c, Sch78a, Sch78b, Sch78d, Sch29, Sch55, SH53, Som18, Som36, SR37, Som38a, Som38b, Som47, Som48, Som49, Sta10, Swe89, TP76, Thi69, Thi88, Tob08, Tre01, Uli97, Ull13, Uns58, Uns67, Wei68, Wes57, Wes58, WF63, Wil37, Wol08, Yos95a, You68, Zac92, Zen38, Zil33, dB48, van48, vBL96, vL33, vL48b, vL54, vL58b, vL58a, A.50, Aga67, And48, Ano16, Ano21, Ano23, Ano29a, Ano29c, Ano30a, Ano31, Ano32, Ano37, Ano38a, Ano43a, Ano43b, Ano44, Ano46c, Ano46d, Ano47a, Ano47b, Ano47c, Ano47d, Ano47e]. **Planck** [Ano48a, Ano48b, Ano48d, Ano48e, Ano48f, Ano48c, Ano48g, Ano48k, Ano49a, Ano49b, Ano49c, Ano53a, Ano53b, Ano53c, Ano57, Ano58, Ano59, Ano69, Ano70, Ano75, Ano77, Ano94, Ano97a, Ano97b, Ano08f, Ano08a, Ano08b, Ano08d, Ano08e, Ano12, Anoxx, Bad08, Bad09, Bad15, Bae01, Bec09, BFV<sup>+</sup>48, BuDH07, BP24, Bir19, Bla78, Bla88, Bor48, Bor57, Boy79, Boy83, Bra14a, Bra14b, dACB58, dACB60, Bre08, Bro83, Bro15, Brü48a, Brü48b, Bru02, Büh98a, BRS03, Cah99, CH01, CG00, CM08, Cha14, Cha97, CS79b, Dah08, Dar01, DdCA48, Del79, Din46c, Din46b, Din46a, Din39, Din59, Din61, Duh88, Dys70, EH08a, EH08b, Eck97a, Eck97b, Eck08, Ein06, Ein07b, Ein13, Ein54b, Ein53, Ein91, EP06, Fad96, Fal59, Fal50, FSBR09, FP27, FGH91]. **Planck** [Fis00, Fis07, Fis08a, Fis10b, Fis10a, Fis12, Fli58, Foo16, FV12, FMM96, Fra48, Gam85a, Gar76, Gea02, Gea08, GR86, Gio24, Gla15, Gol76, Gor91, GBM<sup>+</sup>49, Gra69, Gre90, Gri98, Gri87, GMM47, Gut15, Hac07, Hah57, Hai11, Ham72, HD48, Har98, Har38, Har43, Har44, Har48, Har53a, Har53b,

Har58, Har59, Har64a, Har64b, Has14, HK89, HD01, HH63, Hei86a, Hei88b, Hei88a, Hei88c, Hei00, Hei06, Hei07, Hei31, Hei38, Hei47a, Hei47b, Hei49, Hei58, Hei86b, Hei69, HT99, Her72, Her73b, Her73a, Her77, HR01, Her76, Her01, Her58, HN70, Hof96, HS97, Hof99, Hof00, Hof01, Hof08b, Hof08c, Hof08d, Hof08e, Hof08a, Hof08f, Hof09, HRR10b, Hof10, Hol13, Hol99, Hui13, HTD78, Inf61, Iro05, Iva59a, Jac08b]. **Planck** [Jae79, JDB<sup>+</sup>97, Jor48, Kan69, Kan70, Kan72b, Kan76, Kan08, Kem38, Ken46, KM12, Kho87, KSB63, Kle61, Kle63, Kle66, Kle85, Koc91, Koh02, Kon02, Kör61, Kra76, Kra97, Kra00, Kre67, Kri86, Kro52, Kuh84, Kut14b, Lan57, Law15, Lem08, Len49, Lev04, LSW95, Lew30, Löh12, Lon45, Lon03a, Lon03b, Low77, Luc30, Max58, MH97, Mas12, MR82d, MR82e, Mei47, Mei51, Mei58, Mei01, Men17, MSQM63, Mes07, MAS63, Mey08, Mil16, Moo37, MP19, Mü108a, Mü108b, Mul94, Mun36, NK06, Nag82, Nau16, Noe73, O'F56, O'F59, OT97, Pad83, Par94, PP25, PP79, Peg77, Pet14, Pla13f, Pla18a, Pla19a, Pla22b, Pla22f, Pla23e, Pla24a, Pla25c, Pla26a, Pla29c, Pla29b, Pla29k, Pla29l, Pla30c, Pla35a, Pla37f, Pla38a, Pla38f, Pla38g, Pla42c, Pla48f]. **Planck** [Pla48c, Pla57d, Kan72a, Pla92, Dar00, PS58, Prz11, Pye83, Pye85a, Pye08, Qui13, RH97, Ris96, RB01, Ros59a, Ros59b, Ros79, RS49, RS80, Ros08, Rub12, Rus50, Rut29, Sac84, Sch48, Sch00a, Sch03, SCP19, Sch78c, Sch78a, Sch78b, Sch78d, SP29, Sch61, Sch91, SNE01, Seg07a, Seg07c, Sei08, SDF14, Shp58a, Sin08, Som11, Som18, Som33, SR37, Som38a, Som38b, Som47, Spr89, SS53, Thi69, Thi88, Tib13, Tob08, Uli97, Ull96, Ull13, Uns58, Uns67, VD47, Vog61, WH88, War12, WvLuAE18, WB78, Weg10, Wei07, Wei09, Wei58, Wes40, Wes57, Wes58, Why50, WSNO98, Wol08, Wor63, Yos95a, Yos95b, Yos95c, Yos95d, Zaj83, Zen38, dB48, v.B18, vK97, van10, vL18, vLP21, vL33, vL38, vL39, vL46, vL47]. **Planck** [vL48a, vL48b, vL50, vL54, vL58b, vL58a, vL60, Hib91, Kra03, Fra25, Ped75]. **Planck-Gleichung** [vK97]. **Planck-Medaille** [Ano49b, Ano49c, Ano61, BuDH07]. **Planck-Plastik** [KSB63, WF63]. **Planck-Plastik/Bergmann-Schäfer** [WF63]. **Planck-Plastik/Einigkeit** [KSB63]. **Planck-Scale** [Mes07]. **Planck-Statue** [Ano53b]. **Planck-Statue/Staatsmänner** [Ano53b]. **Planck-type** [Pet14]. **Planck/Arbeitsgemeinschaft** [HD48]. **Planck/Der** [Wes57]. **Planck/Nachweis** [Ano48e, Ano48f]. **Planck/O** [Ano46a]. **Planck/Physicist** [Ham72]. **Planck/Physiker** [Ham72]. **Planck/Physiker-Gräber** [Ham72]. **Planck/Proof** [Ano48e, Ano48f]. **Planck/The** [Wes57]. **Planck/Todesurteil** [Ano46b, Ano46c]. **Planckia** [Dri01]. **Planckian** [Sch22]. **Plancks** [Ano69, Hac07, HRR10a, HRR10b, Jor48, Lem08, Löh12, Mei47, Pla18a, Sch00b, SR37, Vog61, WvLuAE18, vL39, vP06, Hei49, Kro52, Spr89, Wes40, vL18, vP06, MR98, Sti91]. **Planck's-constant** [MR98, Sti91]. **Plancksche** [Ein07a, Ein07b, Hei58, Som11]. **Planckschen** [Her58, Hol13, Kan70, Mü108b, Thi71, Yos95d]. **Plane** [MKD<sup>+</sup>91]. **Plank** [Ano75]. **Planka** [Iva59b, Lau58, Pla00e, Shp58b]. **Plant** [HH63, MAS63].

**Plasmaphysik** [KZR<sup>+</sup>73]. **Plasmaphysik/Smith** [KZR<sup>+</sup>73]. **plastic** [KSB63]. **plastic/Unity** [KSB63]. **Plastik/Bergmann** [WF63].  
**Plastik/Einigkeit** [KSB63]. **Platonic** [Her77]. **Platonische** [Her77]. **play** [HRR10b]. **pledge** [BA01]. **Poincaré** [Adl03, Pla21d, Kri86, Lev04, Pla21d].  
**Point** [Ano23, KZR<sup>+</sup>73, Boy83, Kir98b, Kra12]. **Points** [VD47]. **Poisson** [SNE01]. **Polemics** [Pla92]. **Polish** [PS33, Pla70]. **political** [Hac07].  
**Politics** [Hop96, Sim12, Hof08f, Wei89]. **Politik** [Hof08f]. **politischen** [Hac07]. **Poll** [Ano69]. **Poll/Three** [Ano69]. **Polyederverband** [Pla19d].  
**polyhedra** [Pla19d]. **polytechnics** [JDB<sup>+</sup>97]. **polytechnics/Einstein** [JDB<sup>+</sup>97]. **popular** [BDR86, Pla42f, Pla42f]. **popularizer** [Kho87]. **Portrait** [Fis08a, Pla48c]. **Portraits** [LMOS15, Ano53a]. **Porträts** [LMOS15].  
**portrayal** [Pla42c]. **Portuguese** [dACB58, FV12]. **Position** [BF12, KM12, Pla10c, Pla10d, Pla10e, Pla10b, Pla11a]. **Positionierung** [Hac07]. **Positioning** [BF12, KM12, Hac07]. **positivism** [Vog61, Hei31, Pla31e]. **Positivismus** [Hei31, Pla31e, Vog61]. **Post** [JDB<sup>+</sup>97]. **potential** [Pla90b, Pla90e, Pla27e, Pla29a, Pla29n].  
**Potentialdifferenz** [Pla90b, Pla90e, Pla27e, Pla29n]. **Pour** [Wes57, Duh88, War12, Wes57]. **Power** [Hop96, Cla89, Koh02, Pla23d].  
**Powers** [Hop96]. **Pp** [Cra27, McK27, San87, Ber14, Hie68, You68]. **practice** [Gio24]. **Praeceptor** [Her73b]. **Praktische** [GBM<sup>+</sup>49]. **Praktischen** [Ano48i]. **Präsident** [Ano46b, Ano46c]. **Präsidenten** [BWN78, Her03, Koh02]. **Präsidenten/3** [BWN78]. **precision** [Gré19].  
**predecessor** [Abb01]. **Preface** [Pla33j]. **prehistory** [Yos95d, Kan70]. **Preis** [Ano02, Ano30b, Ano34, Ano36, Ano39, Ano41b, Ano41a, Ano46b, Ano46c, Ano61, Ben30, BWN78, Ebe63, Jüt11, Jüt17, Jüt18a, Jüt18b, Jüt21, Jüt22, Mis33, Mos42, Reg34, Sch65, Sch55, Wei68, Wil37, Zil33]. **Preisgeb** [Ano13].  
**Prejudice** [Cah88]. **Preludes** [Kra12]. **Present** [Pla20d]. **presentation** [Dys70, Ano49b, Ano49c]. **presentations** [Pla16c, Pla19e, Pla21c, Pla22d, Pla28b, Pla31b]. **presented** [Pla13e, Pla20a, Pla27b, Pla29e, Pla29f, Pla33g]. **President** [Ano11, Ano46c].  
**Presidents** [Koh02]. **Press** [San87]. **pressure** [Pla88i, Pla88k, Pla90a, Pla03e]. **preuß** [Pla23g]. **Preußische** [FH00].  
**Preussischen** [vL39, Sim06]. **prevention** [JDB<sup>+</sup>97]. **Price** [C.49, Cra27, McK27, Pic25]. **Pride** [Cah88]. **primary** [Hen96]. **Primordial** [Noe73]. **Princip** [Pla87c, Pla87d, Pla87e, Pla88g, Pla91b, Pla15b, Pla92a].  
**principe** [Duh88]. **Principle** [HTD78, LSW95, Pla7, Duh88, Gor91, HK89, Pet14, Pla87a, Pla87c, Pla87d, Pla87e, Pla91b, Pla08a, Pla08b, Pla08c, Pla09a, Pla13b, Pla14a, Pla14b, Pla21b, Pla25a, Pla15b, Bla78, Pla92a, Pla06c]. **Principles** [BT58, DT58, Pla03c, Set03, Gio24]. **Principis** [Pla89t]. **Prinzip** [Pla87a, Pla06c, Pla08a, Pla08b, Pla08c, Pla09a, Pla13b, Pla14a, Pla14b, Pla21b, Pla25a, Pla34a, Pla34b, Pla34c]. **Prize** [Ano46c, JDB<sup>+</sup>97, Ano47c, Fri81, Nag82]. **Prizes** [Cra84]. **Probable** [Bir19].  
**Probing** [FSBR09]. **Probleme** [GBM<sup>+</sup>49]. **Problèmes** [BBG<sup>+</sup>58].

**Problèmes/Roth** [BBG<sup>+</sup>58]. **problems** [Pla46c, Set03]. **Proceedings** [Ano48a, Sim06]. **processes** [Pla97c, Pla97d, Pla97b, Pla98c, Pla99b, Pla99c, Pla00h, Pla01f, Pla01c, Pla01d, Pla78d, KZR<sup>+</sup>73]. **Processes/Arzeliès** [KZR<sup>+</sup>73]. **Proctor** [Hop96]. **products** [Pla05a]. **Prof** [Ano29b, Ano30b, Ano41b, Ano46b, Mis33, Mos42]. **Prof.** [Ano16, Ano38b, Ano47a, Ano47e, Ano48h]. **Professor** [Ano02, Ano29c, Cra27, Fra31, Ano29a, Ano37, Ano47a, Ano47d, Ano47e, Rut29]. **professore** [Ros12]. **Profile** [Cah99]. **program** [JDB<sup>+</sup>97]. **Programm** [JDB<sup>+</sup>97]. **Progress** [Ano31]. **Project** [Sim12]. **Prologue** [EM32, Ein77]. **Promoting** [Bra14b]. **Promotions** [Sch00b]. **Promotions-** [Sch00b]. **Proof** [Ano48e, v.B18, Ano48f]. **proofs** [Sch03]. **properties** [Pla03g]. **prosperity** [Bra14b]. **Proved** [Acz01, Acz03]. **Prozesse** [Sch65]. **prüft** [Thi88]. **Prussian** [Pla23g, Sim06, FH00, vL39]. **Przibram** [Hie68, Klo63, Mic68]. **przyrodnicze** [PS33]. **Pseudo** [Pla46c]. **Pseudo-problems** [Pla46c]. **Psychology** [Hop96]. **PTR** [Hof48, Hof48]. **public** [Pla15a, Pla22b, Pla29e, Pla29f, Pla32b, Pla35a, Pla29c]. **publication** [Her76]. **Publications** [Mei47]. **Pulfrich** [Pla15c]. **Pure** [BT58, DT58, Lem08, Pla10h]. **Puschl** [Pla89e]. **put** [Shp58b]. **Pütter** [Jüt18a].

**QED** [Par94]. **Quanta** [Gam85a, Kle63, Kle66, Kle85, LdB12, Pla01e, Pla11f, Pla13g, Pla23a, Pla27c, Pla78b, Pla08a, SDF14, Sin08]. **Quantelung** [Pla18b, Pla25h]. **Quanten** [Pla12c, Pla12d]. **Quanten-Hypothese** [Pla12c, Pla12d]. **Quantenchromodynamik** [Lüs00]. **Quantenemission** [Pla11f]. **Quantenfeldtheorie** [Haa70]. **Quantenhypothese** [Hol13, Pla13c, Pla13d, Pla14c, Pla15d, Pla15e, Kan70, Pla14e, Thi71]. **Quantensprung** [Fis10b, Fis12]. **Quantenstatistik** [Pla23d, Pla24c]. **quantentheoretischen** [Pla16a]. **Quantentheorie** [Bad08, Hei86b, Jüt21, Klo63, Pla20b, Pla20c, HD01, Pla17b, Pla21d, Pla22c, Pla58e]. **Quantenwelt** [Arr06]. **Quantenwirkungen** [Pla15i]. **Quantisierung** [Sch78b]. **Quantitätsparameter** [Pla35b]. **quantités** [Pla12a]. **Quantities** [BT58, DT58]. **Quantities/Addition** [BT58, DT58]. **quantity** [Pla35b]. **quantization** [Fad96, Pla18b, Pla25h, Sch78b, Seg07c]. **quanto** [Ros08]. **Quantum** [Ano31, Ano47c, Ano47e, Arr06, BDH<sup>+</sup>00, Dar01, Eck08, ET07, Gam85b, Gea02, GL23, HKS<sup>+</sup>68, Her71, Hof01, Hür22, KZR<sup>+</sup>73, Lew30, Mas12, Nee80, Ped75, Pla20c, Pla20d, Pla22g, Pla10a, Pla15g, SB51, Tib13, tH67, Ano47a, Ano47d, Bad08, BN13, Bad15, Boy79, BFG81, CH01, Cas09, Cli87, Cra27, FGH91, Fis10b, Fis12, Haa70, HD01, Hei86b, Her01, Her58, Hol13, Ish15, Ish17, Kan70, Kan72b, Kle61, Kuh78, Kuh87, Lüs00, MR82a, MR82c, MR82d, MR82e, MR00, MR98, Nau16, Pad83, PB17, Pla12a, Pla12c, Pla12d, Pla13c, Pla13d, Pla13e, Pla13g, Pla14c, Pla14e, Pla15i, Pla15d, Pla15e, Pla16a, Pla17b, Pla20b, Pla21d, Pla22c, Pla23d, Pla24c, Pla43c, Pla58e, Kan72a, Pla08a, Ros08, SDF14, Som11, Som12, Sto13, Str11b, dB48, W<sup>+</sup>87, WdC02].

**Quantumtheorie** [Her58]. **quarks** [Seg07b]. **quasiparticles** [JDB<sup>+</sup>97].  
**Quasiteilchen** [JDB<sup>+</sup>97]. **Quelle** [Alb93]. **Quellen** [Bec09, Sta10, Lem08].  
**Quelleninventar** [Cah99, Kra97, Ull96]. **Quest** [Hop96, Sto13]. **question**  
 [Pla25h]. **questions** [Ano69, Hei58]. **questions/Max** [Ano69]. **quiet**  
 [JDB<sup>+</sup>97]. **quiet/Spring** [JDB<sup>+</sup>97].

**R** [MdB63, Pic25, Pun67, Sch17]. **Race** [Hop96, Wei89]. **Racial** [Hop96].

**Radar** [Ano46b]. **Radar/Zwei** [Ano46b]. **radiant** [Pla00c, Pla13i].

### **Radiation**

[Aga67, Din46c, Din46b, Din46a, Ein07a, Has14, HN70, Ken46, Men17, Noe73,  
 Pla06g, Pla13j, Pla14h, Pla19f, Pla21f, Pla23i, Pla59b, Pla66, Pla88a, Pla91b,  
 Pla12b, Pla15i, v.B18, Bad15, Boy79, Boy83, BFG81, Ein07b, Fok14, FMM96,  
 Gea08, Kan70, Kan76, Kon02, Lon03a, Lon03b, Par94, Pla96c, Pla97e, Pla97c,  
 Pla97d, Pla97b, Pla98c, Pla99b, Pla99c, Pla00h, Pla01f, Pla01c, Pla01d, Pla07d,  
 Pla10j, Pla11b, Pla12b, Pla12a, Pla13e, Pla23b, Pla24b, Pla78d, Pla95, Pla97,  
 PHR07, Sch03, Sch78c, Sch78a, Seg07a, War12, Yos95d, Hof48, Ein06, Pla09d].

**Radiological** [dR85]. **Radiozähler** [Ano46b]. **Radium** [Kae48, Ano46c].

**Radiumfund** [Ano46b, Ano46c]. **raised** [Pla92b]. **rally** [Pla29e, Pla29f].

**Ranked** [Ano47c, Ano47e]. **rapports** [LdB12]. **Rat** [Ano29b, Ano41a].

**Ratio** [Pla14i, Pla14j, Pla25f]. **rational** [Pla03c, Pla49b]. **Raum** [KAR89].

**Raumakustik** [GBM<sup>+</sup>49]. **Raumakustik/Simon** [GBM<sup>+</sup>49]. **ray** [Pla62].

**rayonnement** [LdB12, Pla12a, Rub12, War12]. **rays**

[Pla06d, Pla06e, Pla07a, Seg07b]. **Reaction** [Pla08a, Pla08b, Pla09a].

**Reactionen** [Pla89t]. **reactions** [Gar76]. **Readings** [Hib91, Gre90]. **Ready**

[Fra05]. **Reaktion** [Pla09a]. **Reaktionswärmen** [BBG<sup>+</sup>58].

**Reaktionswärmen/Kurzes** [BBG<sup>+</sup>58]. **real** [Hei31, Pla31e, Pla40a]. **reale**

[Hei31, Pla31e, Pla40a]. **Realism** [AP00, Sch00a, FV12]. **realismo** [FV12].

**Realität** [Pla27b, MKD<sup>+</sup>91]. **Reality** [AP00, RS80, Pla27b, Pla27c]. **realm**

[Kae48]. **reasoning** [Lon84, Lon03c]. **reatises** [Kir98b]. **Receives** [Ano29a].

**receiving** [KK75]. **reception** [MR82c, Pla57d]. **Recheninstitut** [Ano46b].

**Recheninstitut/Zwei** [Ano46b]. **Rechnen** [Ano48i]. **Rechnen/Baur**

[Ano48i]. **Recht** [KSB63, MSQM63]. **Recollections** [HR01].

**Recommendations** [BT58, DT58, BT58, DT58].

**Recommendations/Additions** [BT58, DT58]. **record** [JDB<sup>+</sup>97].

**Recording** [Brü38, Kir79]. **Rector** [Pla13h, Pla14f, Pla14g, Pla16e, Pla23h].

**Recueil** [BBG<sup>+</sup>58]. **Red** [Inf61]. **Rede**

[Jüt17, Pla94a, Pla13h, Pla14d, Pla14f, SR37, Pla16e, Pla23h]. **Reden**

[Ano32, Dri01, HR01, Jac02, Jos95, Kra02a, Kra02b, Mis33, Pla22h, Pla23e,

Pla33h, Pla43b, Pla44b, Pla45e, RH01, Som33, Zil33]. **reference** [Pla03c].

**Regelungsmathematik** [KGSO55]. **Regia** [BBG<sup>+</sup>58]. **Regia/Courant**

[BBG<sup>+</sup>58]. **Regime** [MP01]. **regularity** [Pla14d]. **Reich** [Hop96, HW07].

**Reihenentwicklungen** [Ano48i]. **reine** [Pla93d, Pla10h]. **reiner** [Lem08].

**Reinhard** [Sac69]. **Reinhardt** [You68]. **Reise** [Ano46a]. **Rektor** [Ano11].

**Rektorats** [Pla14f, Pla16e, Pla23h, Pla13h]. **Relation**



[Foo16, Pla98a, Hof00]. **relations** [Hof08b]. **relationship** [Kir98a]. **relative** [Pla25g]. **Relativen** [Pla25g]. **relativistic** [Boy79, BFG81, Gio24, KZR<sup>+</sup>73]. **Relativität** [Pla06c]. **relativité** [Lev04]. **Relativity** [Pla7, Pye83, Pye85a, Pye85b, Pye08, Ano21, Gol76, Lev04, Pla06c]. **Relativity's** [Ano21]. **relevância** [FV12]. **Religion** [Din59, HD48, Löh12, Pla49f, Pla38h, Pla48d, Tre01]. **Religious** [Anoxx]. **Reluctant** [Bra14a, Kra00]. **Remark** [Kut14b]. **Remarks** [Pla92a, Pla06b, Pla08a, Pla08b, Pla09a, Pla15c, Pla16a, Pla23d]. **remembrance** [Mei47]. **Renate** [Mul00, Sch00b, Sch04]. **Renn** [Ano11]. **Renneberg** [Hop96]. **replace** [Ano70]. **Reply** [Boy84, CG03, PP25, Sch61, TP76, Ano69, EP06, MP19, Mun36, Pla03f, Pla10i, Pla29c, SCP19, vLP21, BP24, FP27, PP79, Pla13f, Pla18a, Pla23e, Pla25c, Pla37f, Pla38f, SP29]. **report** [van48]. **representation** [Sch78c]. **Reprint** [SP29, Pla37i]. **Republic** [Hof00, WC91]. **Republik** [Hof00]. **Research** [BN13, Ber14, HH63, Hop96, MAS63, Ano46c, Ano94, Bre08, Mac93, Pla26b, Pla26e]. **Research/What** [MAS63]. **Researcher** [Ein13]. **researchers** [Bra14b]. **resistance** [HMF98, vP06]. **resonance** [Pla95a, Pla96a, Pla96c, Pla97e]. **Resonanz** [Pla96c, Pla97e, Pla95a, Pla96a]. **resonator** [Pla01g]. **Resonators** [Pla01g]. **response** [Ano69, Pla92b]. **responses** [Kir79]. **Responsibility** [Gri98]. **Rethinking** [Uns67]. **RETRACTED** [Pla40a, Pla42d]. **Reuber** [BBG<sup>+</sup>58]. **réunion** [LdB12]. **Reutter** [GBM<sup>+</sup>49]. **reversibler** [Pla89m]. **Review** [A.50, Ano32, Ano48i, Ber14, Bro36, Cah88, Cah99, Cas86, Cra27, Dou49, Fal50, Fra25, Gea09, HB87, Hei35, Hei43a, Hen60, Her03, Hib91, Hie68, Klo63, Koy52, Len49, McK27, Mic68, Moo23, Mul00, Ole81, Par12, Ped75, Pye88, RS49, Ros12, San87, Sch04, Sta10, Swe89, Thi71, Tre01, Wor63, You68, Hop96, Pla07c, Ein06, Som33, Som36]. **reviewed** [Thi88]. **Reviews** [BDR86, Rus50, HPE<sup>+</sup>33]. **Revisited** [LSW95]. **Revisiting** [BDH<sup>+</sup>00, Kuh84]. **Revolution** [Cah85, Kae48, BRS03]. **Revolutionär** [Bad08, Fis08b]. **revolutionaries** [Bru02]. **Revolutionary** [Bad08, Bra14a, CM08, Kra00, Seg07c, Wei09, Fis08b]. **Revolutionize** [Tib13]. **Revolutions** [GR86, Koc91]. **Rezension** [Ein06, Kra02a, Kra02b, Kra03, Sch00b, Som36]. **Rezensionen** [Ano02, Ano13, Ano24, Ano29b, Ano30b, Ano34, Ano36, Ano39, Ano41b, Ano41a, Ano48i, Ano89, Ben30, BPL<sup>+</sup>54, Dri01, Flü47, Fra31, Gae03, GBM<sup>+</sup>49, HKS<sup>+</sup>68, Her24, Jüt11, Jüt17, Jüt18a, Jüt18b, Jüt21, Jüt22, KAR89, KZR<sup>+</sup>73, MKD<sup>+</sup>91, Mis33, Mos42, Pla88b, Pla88c, Pla88d, Pla88e, Pla88f, Pla88g, Pla88h, Pla89d, Pla89h, Pla89f, Pla89g, Pla89p, Pla89e, Pla89i, Pla89j, Pla89m, Pla89k, Pla89l, Pla89n, Pla89q, Pla89o, Pla89c, Pla89t, Pla89r, Pla89s, Pla89w, Pla89v, Pla89u, Pla89x, Pla93d, Pla94b, Pla98a, Pla03c, Reg34, Sac69, Sch49, Sch65, Sch55, Som49, Wei68, Wil37, Zil33, Kra97]. **Riecke** [Pla15f]. **riesige** [Bre08]. **rise** [JDB<sup>+</sup>97, MR82d, MR82e, MR87, Men73, Zaj83]. **rise/Inertial** [JDB<sup>+</sup>97]. **road** [Bad15]. **Robert** [Hop96]. **Rocket** [Hop96]. **role** [Gri87, Haa70]. **Rolle** [Haa70]. **romoting** [Hei31]. **Röntgenstrahlen** [Pla62]. **Roos** [Dri01, Jac02].

**Rosenfeld** [CS79a]. **Ross** [Kra02a, Kra02b]. **rotating** [Fok14, Pla15h].  
**Rotation** [Pla10f]. **rotational**  
 [Hol13, Pla17f, Pla17g, Pla17h, Pla17d, Pla17e]. **Rotationspektrums**  
 [Pla17d, Pla17e, Pla17f, Pla17g, Pla17h]. **rotatorischen** [Hol13]. **Roth**  
 [BBG<sup>+</sup>58]. **rotierender** [Fok14, Pla15h]. **Royal** [Pla20b, Ano29c, Pla20c].  
**rubbish** [Hof08a]. **Rubens** [Pla16a, Pla16a, Pla23f]. **Rubinowicz** [Rut69].  
**Rudolf** [Pla94a]. **Ruhm** [MKD<sup>+</sup>91]. **Rundblicke** [Pla22h]. **Rundfrage**  
 [Ano69]. **Rundfrage/Drei** [Ano69]. **Rundfunkröhren** [BBG<sup>+</sup>58].  
**Rundfunkröhren/Mutter** [BBG<sup>+</sup>58]. **Runge**  
 [HT99, Mul00, Sch00b, Sch04, HT99]. **Runges** [Sch00b]. **runs** [FS06].  
**Russel** [Kut14a]. **Russian** [Ano75, Pla26e, Pla29o, Pla58g]. **Russische**  
 [Ano46b]. **Russischer** [Ano46b]. **Rutherford** [Ole81, SR37, Rut29, SR37].  
**rutschen** [Bre08]. **Rziha** [BPL<sup>+</sup>54].

**S** [Ano13, Ano34, Ano41b, Ano41a, Ano48a, Ano89, Dri01, Ebe63, Fra31,  
 Jüt17, Jüt18a, Jüt18b, Mis33, Mos42, Pla93d, Reg34, Sac69, Sch55, Wil37,  
 Zil33, Hof96, Hof99, Flü47, Fra31]. **S.** [Klo63]. **Saal** [Som38b]. **safety** [Gré19].  
**salts** [Pla88j]. **Salzburg** [Dys70]. **Salze** [Pla88j]. **same** [Pla08a]. **Sanden**  
 [GBM<sup>+</sup>49]. **Sättigungsgesetzes** [Pla81]. **saturated** [Pla89b]. **saturation**  
 [Pla81]. **Saturday** [Pla38g]. **Satz** [Kir98b, Pla17b]. **Sätze** [Pla00d]. **Satzes**  
 [Pla88d]. **Saves** [Tib13]. **say** [Hof08a]. **Says** [Ano16]. **Sbornik** [Iva59b].  
**Scale** [Mes07, Bae01, CH01]. **scaling** [MR98]. **Schädliche** [Ano53b].  
**Schäfer** [WF63]. **Schallplatte** [Brü38]. **Scheel** [BWN78].  
**Scheinlichkeitsrechnung** [BBG<sup>+</sup>58]. **Scheinlichkeitsrechnung/Gray**  
 [BBG<sup>+</sup>58]. **Scheinprobleme** [Flü47, Pla46c]. **Scherzer** [GBM<sup>+</sup>49].  
**Schicksal** [HS97]. **Schiffssteuerung** [Ano46b]. **Schlick**  
 [EI08, Hof08b, Hof08b]. **Schlusswort** [Kut14b]. **Schmelzen** [Pla82].  
**Schmetterlinge** [Ano46b, Ano46c]. **Schmidt** [Pla30f, SCP19].  
**Schmidt-Ott** [Pla30f]. **Scholar** [Ano16]. **scholars** [Hof08b]. **school** [Ano44].  
**Schreiber** [KSB63]. **Schreibtisch** [Pla30b]. **Schriften**  
 [BDR86, Hei88a, Hei06, BBG<sup>+</sup>58]. **Schröder** [Tre01]. **Schrödinger**  
 [Adl03, Ano11, Bro36, Hie68, Klo63, Pla29c, Prz86, KK75, MR87, Pla28d,  
 Prz63, Prz11, SP29, Wes57]. **Schrödinger-Symposiums** [Ano11].  
**Schroedinger** [Mic68]. **Schule** [Ano44]. **Schulz** [Ano48i]. **Schumann**  
 [Rut69]. **schwarzen** [Pla12b]. **Schwed** [Pla20b]. **Schweden** [Ano46a].  
**Schweden/nach** [Ano46a]. **Schwedischen** [Jüt21, Pla20c]. **Schwefelsäure**  
 [Kir98b]. **Schweiz** [Ano46a]. **Schweiz/nach** [Ano46a]. **Schwere** [Pla89s].  
**schweren** [JDB<sup>+</sup>97]. **schwingenden** [Pla00f, Pla02c]. **Schwingungen**  
 [Pla96c, Pla97e, Pla23d, Pla97a]. **Schwingungsgesetze** [Pla01g]. **Science**  
 [AH93, Ano47c, Ano48g, Bro36, Gib19, HD48, Hei88a, Hei06, LMOS15,  
 Mer38, MKD<sup>+</sup>91, Nye06, Pla32k, Pla33i, Pla49d, Pla49f, Pla77, Pla15j,  
 RW94, Sch96, Tre01, Wal94, WC91, Ano53b, Ano59, Brü38, FS06, FV12,  
 GSU07, Gri87, Hei86a, Hei00, Hof08f, Hop96, Kho87, Koh02, Lev17, Lig05a,  
 Lig05b, Mei03, Men73, MSQM63, Pic08, Pla30f, Pla33h, PS33, Pla34e,

Pla38h, Pla40a, Pla42d, Pla42e, Pla42f, Pla43b, Pla44b, Pla45e, Pla46c, Pla48d, Pla59a, Pla81, Sce16, Ull13, AH93, BCS82, Bro36, Hop96, Pla09c, Pla29e, Pla29f, Pla30i, Pla37a, Pla88b, San87, HB87, Pye88, Swe89]. **science/The** [Ano53b]. **Sciences** [Ano48c, FH00, Hei31, Pla20b, Pla23g, Pla48f, Sim06, vL58b, Pla42a, PP79, Pla20c, Pla31e, vL39]. **scientia** [Ber14]. **Scientific** [AP00, GR86, Hop96, Koc91, Nye06, Pla48c, Pla49g, Pla50b, Pla68, Pla71, Pla14, Sch00a, WC91, Ano69, BRS03, C.49, Her76, Jor48, Kör61, Mac93, Pla33a, Pla33g, Pla33f, Pla58a, RS80, Sti84, Uli97, Pla45f, Pla60a, Pla90c, Pla91a, Pla58g, A.50, Dou49, Rus50]. **scientifique** [Pla60a, Pla91a]. **Scientist** [Ano29a]. **Scientists** [Acz01, Ano30a, Ano31, Ano46d, MP01, MKD<sup>+</sup>91, Rog10, Acz03, Sce16, Str11b, Ano53c]. **Scribal** [MKD<sup>+</sup>91]. **sea** [Bre08]. **search** [Fis00, Her77, Jac08b]. **Sechsstellige** [Ano48i]. **sechzigstem** [WvLuAE18]. **sechzigsten** [Som18]. **Second** [JM17, Cla91, Pla79, Pla29n, Löh12, Mü108b, Pla93a, Pla97d, Pla15e, Pla17e, Pla26d, Pla29a, Pla31f, Pla41c]. **Secret** [Hop96]. **secretary** [Hof00, Pla13f, Pla29c]. **Secular** [Noe73]. **Seeliger** [GBM<sup>+</sup>49]. **sehen** [Pla88d]. **Sehr** [KSB63, Pla88j, Pla89e]. **sein** [Pla42f]. **Seine** [Vog61, Bre08, Kan69, Pla17b, Som11, Uns67]. **seinem** [Pla94a]. **Seinen** [Ano46b, Ano48c, Koy52, MH97, Pla48f, Sch49, Som49, Tob08]. **seiner** [Ano46a, Pla31c]. **seines** [Jüt18a, Max58, Pla29k, Pla29l, Pla46a]. **seit** [MAS63]. **Seite** [Pla99a]. **Seiten** [Ano02, Ano24, Ano30b, Ano36, Ano39, Ano89, Ben30, Hei31, Jüt21, Jüt22, Kra97, Sch49, Sch00b, Sch65, Som49, Wei68, Zil33]. **Sekretär** [Hof00]. **Sekretars** [Pla29c, Pla13f]. **Sektion** [Cah99]. **selbst** [Cla89]. **selbständige** [MSQM63]. **Selbstbiographie** [Pla48c, Ano48i, MKD<sup>+</sup>91, Pla58a, PB90, Pla90c, RS49]. **Selbstbiographie/Joos** [Ano48i]. **Selbstbiographie/Laurikainen** [MKD<sup>+</sup>91]. **Selbstdarstellung** [Pla42c, Pla82]. **Selbstunterricht** [Fra31, Pla16c, Pla19e, Pla21c, Pla22d, Pla28b, Pla31b, Pla15f]. **Selbstzeugnissen** [Her73a]. **Selected** [CS79a, Ano75, Bor63a]. **selection** [Hei88a, Hei06]. **selective** [Pla03h]. **selektiven** [Pla03h]. **self** [Pla16c, Pla19e, Pla21c, Pla22d, Pla28b, Pla31b, Pla42c, Pla15f, Pla58a]. **self-biography** [Pla58a]. **self-instruction** [Pla15f]. **self-portrayal** [Pla42c]. **sense** [Fis08b, Pye83, Pye85a, Pye08]. **sentence** [Ano46c]. **separation** [Hof96]. **September** [Haa75, Pla10c, Pla10d, Pla10e, Pla11a]. **Series** [BDR86]. **serious** [KSB63]. **service** [DdCA48, Ano48j]. **session** [Pla15a, Pla22b]. **sets** [JDB<sup>+</sup>97]. **setzt** [JDB<sup>+</sup>97]. **Seven** [PHR07, Pla23b, Pla95, Pla97, Sce16]. **seventh** [McK27]. **seventieth** [Pla38c]. **several** [Pla15d, Pla15e]. **Shaped** [Gib19]. **Shift** [Inf61]. **Shining** [Gut15]. **Shook** [Gam85b]. **short** [KGSO55]. **short-time** [KGSO55]. **Shows** [Ano23]. **SI** [Qui17]. **sich** [Cla89, JDB<sup>+</sup>97]. **side** [Pla99a]. **Sieben** [PHR07, Pla23b, Pla95, Pla97]. **siebzigsten** [Pla38c]. **significance** [FV12, Her58, Pla13c, Pla13d, Pla14c]. **signification** [Pla42d]. **Simon** [GBM<sup>+</sup>49]. **Simplified** [Pla01g]. **Simson** [Wes57, Wes57]. **since** [MAS63].

**Single** [FSBR09, Hür22, Pla16f]. **single-atom** [Pla16f]. **Sinn** [Pla42a, Pla42d, Pla42e]. **Sir** [Adl03, Rut29, Ano48j]. **Sitzg** [Pla06f]. **Sitzung** [Hof08e, Pla94a, Pla15a, Pla22b, Pla29c, Pla30c, Pla32b, Pla33g, Pla35a]. **Sitzungsberichte** [Sim06]. **sixtieth** [Som18]. **Sixty** [FR13]. **Skurriale** [Arr06]. **slip** [Bre08]. **Small** [Ano11, Bad08]. **smallest** [Fis10b, Fis12]. **Smith** [KZR<sup>+</sup>73]. **so-called** [Din39]. **Social** [Mer38, Bro83]. **Socialism** [Hop96, Hen96, Hop96, Koh02, RW94, Wal94]. **société** [Pla08a]. **Society** [Ano29c, Gib19, Hei31, Koe01, Par12, Pla94a, Pla28c, Pla31e, Pla36c, Pla37a, Som48, BCS82, Abb01, Ano48a, Ano14, Bec09, BA01, Brü48b, Gri98, HD48, HW07, Hof08e, Koh02, Pla06f, Pla11c, Pla11d, Pla18a, Pla20a, Pla35e, Pla38g, Pla39c, Pla42e, Pla50a, Pla52d, Pla53d, Pla55e, Pla08a, vBL96]. **Society/Clausthaler** [HD48]. **Socratic** [EM32, Ein77]. **sogenannten** [Ano41b, Din39, Mos42]. **Sohn** [Ebe63]. **soll** [Ano70]. **Solomon** [Ano48i]. **solution** [Pla03f, Pla03e, Ris96]. **solutions** [Pla87b, Pla87f, Pla88a, Pla88i, Pla88k, Pla88j, Pla88l, Pla90b, Pla90e, Pla27e, Pla29a, Pla29n]. **Solvay** [Pla13e, LdB12, Pla13e, Str11a]. **Solvay-Kongreß** [Pla13e]. **som** [Har44]. **Some** [Gar76, Kir98b, Hah57]. **Sommerfeld** [Eck97b, Pla38b, Pla38c, Eck97b, MR82d, MR82e, Pla38b, Pla38c]. **Sonderdruck** [Pla37i, SP29]. **Sonnabend** [Pla38g]. **Sonne** [Ano53b]. **Sonner/Max** [Ano53b]. **Soul** [Bra14a]. **Source** [Ull96, Alb93, Her76]. **Sources** [Ber14, Bec09, Hen96, Lem08, HKS<sup>+</sup>68]. **sous** [LdB12]. **sovremennoj** [Pla29o]. **Sowie** [Pla15f, Fra31, Pla16c, Pla19e, Pla21c, Pla22d, Pla28b, Pla31b]. **sozialismus** [Her03]. **Space** [Ano21, Ano31, Pla16b]. **Spanish** [Pla47a, W<sup>+</sup>87, WdC02]. **Spannung** [Kir98b, Pla98a]. **Spannungen** [Pla98a]. **Speaking** [Cah88]. **Special** [Ano08e, Ano21, Ano48k, Gol76]. **specific** [Ein07b]. **specifics** [Cla91]. **spezifische** [Pla88e]. **Spectra** [Ano23]. **Spectral** [Ano23, Kan70, Pla15b, Pla16a, Pla78c]. **Spectroscopie** [Kay02]. **Spectrum** [Pla00i, Pla00g, Pla01a, Pla69a, Pla69b, Pla78a, Boy79, Boy83, Boy84, BFG81, Kra76, Lon03a, Pla17f, Pla17g, Pla17h, Pla17d, Pla17e, Sac84, TP76, Ano48a]. **speculations** [Kra12]. **Speech** [Pla13h, Pla14g, BP24, EP06, FP27, MP19, PP25, PP79, Pla06f, Pla14f, Pla16e, Pla22f, Pla23f, Pla23h, Pla28c, Pla29c, SP29, Sch61, SR37, vLP21, Pla94a, Pla13a, Pla14d, Pla15a, Pla17a, Pla19a, Pla22b, Pla24a, Pla26a, Pla28a, Pla30c, Pla32b, Pla35a, Pla37b, SR37]. **Speeches** [BDR86, HR01, Jos95, RH01, Som33, Ano48c, Kir79, Pla18a, Pla23e, Pla37f, Pla38f, Pla48f, Pla33h, Pla43b, Pla44b, Pla45e]. **spektralen** [Kan70, Thi71]. **Spektralgleichung** [Pla00g, Pla78c]. **Spektrallinien** [Pla15b]. **Spektralmessung** [Pla16a]. **spezifischen** [Ein07b]. **Spiegel** [Hof08b, Lem08, Uli97, Ull13]. **Spirit** [Gib19, Pla33j]. **spiritual** [Hof96]. **Spitzer** [BBG<sup>+</sup>58]. **Spline** [Sch17]. **Splitting** [Ano47c]. **Spokesman** [HB87, Hop96, Pye88, San87, Swe89, Hei86a]. **Spookiest** [Acz01, Acz03]. **spring** [Pla10a, JDB<sup>+</sup>97]. **Springer** [Dri01, Jüt18a, Klo63, Ano14]. **Springer-Verlag** [Klo63]. **srodowska** [PS33]. **Staatsmänner** [Ano53b]. **stabiles** [Pla35b]. **stable** [Pla35b]. **staircase** [Fis10b, Fis12]. **stamps**

[Ano53c]. **Stand** [Ano16]. **Standpunkt** [Pla88e, Pla88f, Pla89q]. **Stärke** [KSB63, MSQM63]. **Stärke/Sehr** [KSB63]. **Stärke/Vom** [MSQM63]. **Starkstromtechnik** [BPL<sup>+</sup>54]. **Starkstromtechnik/Veröffentlichungen** [BPL<sup>+</sup>54]. **Stars** [Gut15]. **State** [Pla20d, Pla08e]. **Statement** [Ano16]. **statements** [Pla00d]. **states** [Pla80, Sti91, JDB<sup>+</sup>97]. **States/UK** [JDB<sup>+</sup>97]. **Statesmen** [Ano53b]. **stationär** [Pla01g]. **stationären** [Pla07d]. **stationary** [Pla01g, Pla07d]. **statistica** [Ros12]. **Statistical** [CS79b, Dah08, Ros79, CG00, CG03, CC03, Pla03c, Pla14d, Pla17b, Pla25b, Pla25e, Ros59a, Ros59b]. **statistics** [Bad09, FMM96, Pla23d, Pla23a, Pla24c]. **statistique** [Ros59a, Ros59b]. **statistische** [Jüt17, Pla14d, Pla25b, Pla25e]. **statistischen** [Pla17b]. **Statt** [Ano46b, Ano46c]. **statue** [Ano53b]. **Statue/Staatsmänner** [Ano53b]. **statue/Statesmen** [Ano53b]. **Stella** [Dri01]. **Stellung** [Pla10c, Pla10d, Pla10e, Pla10b, Pla11a]. **Sterne** [BPL<sup>+</sup>54]. **Sternstunden** [Büh98b]. **Stifters** [Jüt17, Pla14d]. **Stiftung** [Ano41b, Mos42]. **still** [Kae48]. **Stillhalten** [JDB<sup>+</sup>97]. **Stillhalten/Frühjahrstagungen** [JDB<sup>+</sup>97]. **Stimme** [Brü38]. **Stimmung** [Pla93b]. **Stochastic** [Dah08]. **Stockholm** [Ano46a, Jüt21, Pla20b, Pla20c, Pla20c]. **Stockholm/nach** [Ano46a]. **Stoff** [Pla33j]. **Stoffe** [Pla88i, Pla88k, Pla88h]. **Stoffen** [Pla89u]. **Story** [Acz01, Gam85b, MP01, Acz03]. **Strahlen** [Pla06d, Pla06e, Pla07a]. **strahlender** [Pla00c, Pla13i]. **Strahlung** [Ein07a, Ein07b, Pla96c, Pla97e, Pla09d, Pla12b]. **Strahlungs** [Pla07d]. **Strahlungsfeld** [Fok14]. **Strahlungsgesetz** [Kan69, Sch78a]. **Strahlungsgesetze** [Pla23b, Pla95, Pla97, PHR07]. **Strahlungsgesetzes** [Kan70, Thi71, Yos95d]. **Strahlungshypothese** [Pla11b]. **Strahlungsmessungen** [Hof48]. **Strahlungstheorie** [PHR07, Pla23b, Pla95, Pla97]. **Strahlungsvorgänge** [Pla99b]. **Strahlungsvorgänge** [Pla97c, Pla97d, Pla97b, Pla98c, Pla99c, Pla01c, Pla01d, Pla00h, Pla01f, Pla78d]. **Streitfragen** [Pla45f]. **strength** [Kir98a, KSB63, MSQM63]. **strength/Dear** [KSB63]. **strength/The** [MSQM63]. **Strictly** [Sch22]. **Strubecker** [HKS<sup>+</sup>68]. **Structure** [Why50, BRS03, Pla16b]. **struggle** [Hei35]. **Struktur** [Pla16b]. **student** [JDB<sup>+</sup>97, Pla09c]. **studentenkorps** [Pla09c]. **Students** [Ano21]. **Studien** [vBL96]. **Studienzeit** [Tob08]. **Studierender** [JDB<sup>+</sup>97]. **Studies** [Hui13, WC91, vBL96]. **study** [Fis10b, Fis12, Tob08]. **Stuttgart** [Ano89, AH93]. **sua** [dACB58]. **subliming** [Pla82]. **Sublimieren** [Pla82]. **Subsequent** [Pla07c]. **Success** [Law15]. **Suche** [Fis00, Her77, Jac08b]. **Sucher** [MKD<sup>+</sup>91]. **sulfuric** [Kir98b]. **Summer** [WC91]. **Sun** [Ano53b]. **Sun/Max** [Ano53b]. **suo** [Ros12]. **Superhero** [Tib13]. **Superlattice** [KAR89]. **Superposition** [Pla23d]. **supposed** [Pla00b]. **Surface** [KAR89]. **surmounting** [Yos95a]. **surprise** [Sei08]. **Survey** [Fra25, Pla22h, Pla25d, Pla60b, Pla93b, Wor63, Pic25]. **Surviving** [Mac93, Hop96]. **svete** [Pla26e]. **Swabian** [Sto13]. **Swastika** [Hop96, Mac93]. **Sweden** [BCS82]. **Swedish** [Pla20b, Pla20c]. **świata** [Pla70]. **Swinburne**

[Pla03b]. **Swiss** [KKRS96]. **Symbols** [BT58, DT58]. **Symbols/Additions** [BT58, DT58]. **Symposium** [Ano11, KGSO55, BCS82]. **Symposiums** [Ano11]. **Synthese** [Pla40b, Pla40c, Pla41c, Wes40]. **Synthesis** [HK89, Pla40b, Pla40c, Pla41c, Wes40]. **System** [BF12, KM12, Pla93b, Pla15h, Sti84]. **Systeme** [Pla07f, Pla08f]. **Systems** [Dah08, Sti84, Pla07f, Pla08f, MKD<sup>+</sup>91]. **Systems/Elster** [MKD<sup>+</sup>91]. **Szilard** [Fra05].

**T** [Yos95c]. **T.** [Yos95c]. **Table** [Moo37, Som38b]. **Tafel** [Pla93d]. **Tafeln** [Ano48i, GBM<sup>+</sup>49]. **Tafeln/Bertele** [GBM<sup>+</sup>49]. **Tafeln/Gravelius** [GBM<sup>+</sup>49]. **Takes** [Ano23, Ano23]. **tale** [Jos95, Sce16]. **Talk** [Som38b, Pla08a]. **Talks** [Ano21]. **Tartaglia** [Ber14]. **Tausend** [Ano39]. **Teacher** [Her73b, Hof08b, Kho87]. **teachers** [OT97]. **teaching** [Pla16c, Pla19e, Pla21c, Pla22d, Pla28b, Pla31b]. **Tech/Scribal** [MKD<sup>+</sup>91]. **Technical** [Ano77, Ole81, Low77]. **Technik** [AH93, Sch00b]. **Technischen** [Cah99]. **Technology** [Hop96, RW94, AH93, BCS82]. **Teil** [Kör61]. **Teilchen** [Fis10b, Fis12]. **Tells** [Ano21, FS06]. **tem** [vL33]. **Temperament** [Bro36]. **Temperatur** [Pla00c, Pla04b]. **Temperaturänderung** [Pla89g]. **Temperaturänderungen** [Pla89g]. **Temperature** [Lon45, CG00, CG03, CC03, Pla00c, Pla04b, Pla11c, Pla11d, Pla11c, Pla11d]. **Temperaturen** [Kir98b, Pla80, Pla98a, Pla89e]. **temperatures** [Kir98b, Pla80]. **tension** [Kir98b]. **tenth** [Wes57]. **tenue** [LdB12]. **Teorisine** [Pla15g]. **termodinamike** [Pla00e]. **Test** [Ano13, BF12, KM12, FGH91]. **Teuerungszuschläge** [Jüt22]. **Text** [Jüt18b]. **textbooks** [BN13]. **Texts** [Hib91, Gre90]. **thanks** [Pla27a]. **Their** [AP00, Ano16, Ole81, Fal59, Hof08b, Hof08a, Pla06d, Pla06e, Pla07a, Seg07b, vBL96]. **them** [Pic08]. **themselves** [Cla89]. **Theodosius** [Adl03]. **theorem** [Pla12c, Pla12d, Pla13g, Pla17b, Pla08a, Pla05b, Pla10h]. **théorème** [Pla13g, Pla08a]. **Theoretical** [Fal50, JM17, Lon84, Lon03c, Pla09e, Pla10a, Pla30a, Pla32g, Pla32i, Pla32j, Pla33d, Pla49a, Pla49e, Pla49i, Pla49j, Pla57a, Pla57c, Pla64b, Pla98, Pla12a, Pla15d, Din39, Eck97a, Pla15g, Pla31c, Pla31d, Pla32f, Pla32h, Pla49h, Pla57b, Pla15e, Set03, Pla30f]. **Theoretiker** [Lem08]. **Theoretische** [Fra31, Pla10a, Pla30a, Pla31c, MKD<sup>+</sup>91, Pla30f]. **Theoretischen** [HKS<sup>+</sup>68, Ano41b, Din39, Eck97a, Fra31, Mos42]. **Theorie** [Ano24, Ano48a, Ein06, Ein07a, Ein07b, Fra31, Her24, Jüt22, Pla81, Pla84, Pla89o, Pla89y, Pla92c, Pla97a, Pla98b, Pla99a, Pla00i, Pla02d, Pla03h, Pla06g, Pla07g, Pla08g, Pla10i, Pla10j, Pla13j, Pla17f, Pla17g, Pla17h, Pla17d, Pla17e, Pla19f, Pla21f, Pla22e, Pla23i, Pla35f, Pla35g, Pla35h, Pla66, Pla15c, Pla15i, Sch78c, LdB12, Lev04, Som12, Pla03a, Pla07d, Wei68]. **Theorieauffassung** [Spr89]. **Theorien** [Kan70, Pla12c, Pla12d, Pla14i, Pla14j, Pla25f, Thi71]. **theories** [CH01, Kan70, Pla12c, Pla12d, Pla14i, Pla14j, Pla25f]. **theorist** [Lem08]. **Theory** [Acz01, Ano21, Ano23, Ano47c, Bro36, Eck08, Ein07a, Gam85b, Gol76, Gra69,

Her71, HN70, Hof01, Inf61, Mas12, MKD<sup>+</sup>91, Nee80, Pla00i, Pla06g, Pla10g, Pla13j, Pla14h, Pla17g, Pla17h, Pla19f, Pla20c, Pla20d, Pla21f, Pla22g, Pla23c, Pla23i, Pla32h, Pla32i, Pla32j, Pla49h, Pla49i, Pla49j, Pla57b, Pla57c, Pla59b, Pla60b, Pla66, Pla69b, Pla88a, Pla91b, Pla93b, Pla93c, Pla10a, Pla12b, Pla15a, Pla15g, Pla15c, Pla15i, SB51, Tib13, tH67, Acz03, Ano47a, Ano47d, Ano47e, Ano48a, Bad08, Bad15, Boy79, BFG81, Cla91, Cla89, Cli87, Ein06, Ein07b, FMM96, Haa70, HD01, Hei58, Hei86b, Her01, Her58, Kan70, Kir98b, Kle61, Kon02, Kuh78, Kuh87, Lev17, Lon03b, Lüs00, MR82d, MR82e, Pet14, Pla81, Pla84, Pla89y, Pla91a, Pla92c, Pla97a, Pla98b, Pla99a, Pla02d]. **theory** [Pla03h, Pla03f, Pla03a, Pla07g, Pla08g, Pla09f, Pla10i, Pla10j, Pla13c, Pla13d, Pla14c, Pla17b, Pla17f, Pla17d, Pla17e, Pla20b, Pla21d, Pla22c, Pla22e, Pla23b, Pla35f, Pla35g, Pla35h, Pla58e, Pla95, Pla97, PHR07, Sch03, Sch78c, Som12, Spr89, HKS<sup>+</sup>68, Lev04, Pla07d, Cra27, Wor63]. **Theory/Herausgeg** [HKS<sup>+</sup>68]. **there** [Pla49b]. **thermal** [Boy79, BFG81, Ein06, Pla13e, Sch78c]. **Thermochemie** [Pla93c]. **thermochemistry** [Pla93c]. **Thermodynamics** [Dah08]. **thermodynamic** [EH08b, Pla83, Pla12c, Pla12d, Pla08b]. **thermodynamical** [vL18]. **Thermodynamics** [Kle66, Kle85, Pla03d, Pla21e, Pla26c, Pla27d, Pla45c, Pla69c, Pla90a, vL54, EH08a, Mül08a, Mül08b, Par94, Pla79, Pla97f, Pla00a, Pla00b, Pla02e, Pla05c, Pla10h, Pla11e, Pla13g, Pla13k, Pla17c, Pla21g, Pla22j, Pla27f, Pla30h, Pla54c, PP64, Pla08a, Pla10b, BBG<sup>+</sup>58, Mül08b, Pla93a, Pla26d, McK27, Pla03c]. **Thermodynamics/Bruhat** [BBG<sup>+</sup>58]. **Thermodynamik** [Ano02, Mül08b, Pla00a, Pla02e, Sch65, Ano13, EH08a, Jüt11, Jüt18b, Pla97f, Pla00b, Pla05c, Pla10h, Pla11e, Pla13k, Pla17c, Pla21g, Pla22j, Pla26d, Pla27f, Pla30h, Pla54c, PP64, Pla10b, Sch65, vL54, Pla88e, Pla88f, Pla89q]. **thermodynamique** [Pla13g, Pla08a]. **Thermodynamische** [EH08b, vL18, Pla83, Pla89v, Pla12c, Pla12d, Pla08b]. **thermodynamischen** [Pla89c]. **thermodynamischer** [Pla88b]. **Thermoelectricität** [Pla89y]. **thermoelectriciy** [Pla89y]. **thesis** [OT97]. **Thilo** [BBG<sup>+</sup>58]. **things** [Hei69, MSQM63]. **thinker** [Har38, Har43, Har44, Har48, Har53a, Har53b, Har58, Har64a, Har64b]. **thinned** [Pla33b]. **Third** [McK27, Pla87e, HW07, Pla97b, Pla33e, Pla37a]. **Thirty** [Gam85b]. **Thomas** [Hop96]. **Thought** [MKD<sup>+</sup>91]. **thoughts** [Kro52]. **threaten** [Bre08]. **Three** [Ano69]. **Tilley** [KAR89]. **Time** [Ano31, Rog10, WB78, BCS82, KGSO55, Lev17, Pad83, Tob08, Uns67]. **times** [Pla46b]. **Tischrede** [Som38b]. **titled** [Pla60b]. **titre** [Duh88]. **Tobies** [Sch00b, Sch04, Mul00]. **Todes** [Wes57]. **Todestag** [Ano97a, Ano97b, Eck97a, Pla57d, RH97]. **Todestagam** [MH97]. **Todestages** [Ham72]. **Todesurteil** [Ano46b, Ano46c]. **Tözl** [Ano46b, Ano46c, Ano46c]. **Tözl/Dr** [Ano46b, Ano46c]. **Tonsystem** [Pla93d]. **Too** [Hür22, KSB63]. **top** [Pla18b]. **topic** [Pla23b, Pla95, Pla97, PHR07]. **torn** [Hei88c]. **Tot** [Ano46b]. **Tot/Erste** [Ano46b]. **tower** [Jos95]. **tradition** [Uli97, Ull13]. **Trägheitsfusion**

[JDB<sup>+</sup>97]. **training** [JDB<sup>+</sup>97]. **Trans** [Sch22]. **Trans-Planckian** [Sch22]. **Transcripts** [Hop96]. **Transfer** [Lon45]. **transform** [KGSO55]. **Transformation** [KGSO55, Pla94b]. **Transforms** [KZR<sup>+</sup>73]. **Transforms/Greenwood** [KZR<sup>+</sup>73]. **Transgressive** [Gre90, Hib91]. **Translated** [Hie68, C.49, Dou49, McK27, Mic68, Pic25]. **Transport** [HKS<sup>+</sup>68]. **Transurane** [Ano46b]. **traps** [JDB<sup>+</sup>97]. **traps/in** [JDB<sup>+</sup>97]. **Traueransprache** [Pla48c, vL48b]. **treasury** [FF91]. **Treatise** [Pla03d, Pla21e, Pla26c, Pla27d, Pla45c, Pla69c, Pla90a, McK27]. **treatises** [Max58, Pla23b, Pla58f, Pla95, Pla97, PHR07, Kir98a, Pla15a]. **treatment** [Pla87c, Pla87e]. **Trennung** [Hof96]. **Treulichst** [Tob08]. **Tribute** [Ein91]. **Trigonometr** [Ano48i]. **trudy** [Ano75]. **True** [Bla78, MP01, Lev04]. **Truman** [Ano46b, Ano46c, Ano46c]. **truth** [RS80]. **Turkish** [Pla15g]. **Turm** [Jos95]. **turn** [Hof48, Yos95a]. **turns** [JDB<sup>+</sup>97]. **Tvorcheskij** [Shp58b]. **twentieth** [Lig05a, Lig05b]. **twentieth-century** [Lig05a, Lig05b]. **Two** [Tib13, Hof08b, Pla90b, Pla90e, Pla00d, Gut15]. **type** [Cla91, Pet14].

**u** [KAR89, MKD<sup>+</sup>91, Pla93d, Pla48c]. **u.a.** [BDR86]. **U.I.P** [BT58, DT58]. **überarb** [Sch55]. **Übergangsschicht** [Pla89w]. **Überlieferung** [Uli97, Ull13]. **Übernahme** [Pla13h]. **Überproduktion** [Pla33f]. **Überraschung** [Sei08]. **Überreichung** [Ano49b, Ano49c]. **Überwindung** [Yos95a]. **Ueber** [Pla83, Pla87f, Pla87c, Pla87d, Pla87e, Pla88k, Pla88l, Pla88h, Pla89m, Pla89l, Pla89s, Pla90d, Pla90c, Pla90e, Pla91b, Pla95b, Pla97e, Pla00h, Pla01e, Pla01f, Pla02c, Pla02a, Pla02b]. **Uhr** [Ano11]. **UK** [JDB<sup>+</sup>97]. **Ullmann** [Kra97, Cah99]. **Ulrike** [Her03]. **Ultracold** [MKD<sup>+</sup>91]. **Ultraviolet** [Tib13]. **umgearb** [Her24]. **umgearbeitete** [Ano24, Jüt22]. **Umsturz** [Ano34, Ano36, Ano39, Ano41a, Sch55, Wil37, Zim34]. **Umwandlungen** [Pla89m]. **unbounded** [Kae48]. **uncertainty** [Cas09, Hop96]. **Uncovered** [Hür22]. **Uncovering** [Wei07]. **undergraduates** [Lon84]. **Underlying** [v.B18]. **understand** [Fad96]. **understandable** [Hei88a, Hei06]. **understanding** [OT97]. **Unification** [Hop96, Wei89, Zac92]. **Uniform** [Pla10f]. **uniformly** [Pla07d]. **Union** [BT58, DT58]. **unique** [FGH91]. **United** [JDB<sup>+</sup>97]. **Units** [BT58, DT58, WH88]. **Units/Misprints** [BT58, DT58]. **Unity** [KSB63, Pla09b, Pla09c, Pla70, MSQM63]. **universal** [Ish15, Ish17, Mey08, PB17]. **Universe** [Pad83, Pla31g, Pla37g, Pla96, Pla15h, Tib13, Pla59a, Bre08, Dys70]. **Universelle** [Ish15]. **universellen** [Mey08]. **Universitaet** [Pla14f, Pla16e, Pla23h]. **Universität** [AH93, Ano02, Ano46b, Ano11, Fra31, Jüt17, Pla09c, Pla13h, Pla14d]. **Universität/Russische** [Ano46b]. **Universitätslehrern** [OT97]. **universities** [Bra14b]. **University** [AH93, Ano48j, Ano11, Pla13h, Pla14f, Pla16e, Pla23h, San87, OT97, Pla10a, DdCA48, Pla09e, Pla09c, Pla14d, Pla14g, Pla15g, Pla12a, Pla15e]. **Universum** [Bre08]. **Unlikely** [Acz01, Acz03]. **Unobservability** [AP00].



**Unobservable** [AP00]. **Unravelling** [FR13]. **Unruhe** [Pun67]. **unsere** [Uns67]. **unsigned** [Sch29]. **unternehmerischen** [JDB<sup>+</sup>97]. **Untersuchung** [Pla09f]. **unveränderte** [Ano30b]. **unwilling** [Seg07c]. **Upheaval** [Zim34]. **Upright** [Cas86, HB87, Hop96, Pye88, San87, Swe89, Hei86a, Hei00]. **Urans** [GBM<sup>+</sup>49]. **Urans/Gerlach** [GBM<sup>+</sup>49]. **Ursprung** [MSQM63, Pla33g]. **Urteil** [Thi69]. **USA** [Ano46b, JDB<sup>+</sup>97, MAS63, Ano46a, MAS63]. **USA./Prof** [Ano46b]. **USA/Großbritannien** [JDB<sup>+</sup>97]. **Use** [KGS055, Pla16c, Pla19e, Pla21c, Pla22d, Pla28b, Pla31b, Pla15f].

## V

[Ano46b, Fra31, Ano53c, Iva59b, Pla37i, Pla26e, vLP21, Pla32i, Pla49i, Pla57c]. **V-1** [Ano46b]. **V-1/B** [Ano46b]. **V-1/Zerstörung** [Ano46b]. **vacuum** [Kra12]. **Vahlen** [Pla38f]. **Valerie** [Hib91]. **valiant** [Sto13]. **Valleriani** [Ber14]. **Value** [Bir19, Alb93, HS97]. **vapor** [Kir98b, Pla88i, Pla88k]. **vapors** [Pla89b]. **variable** [Pla03e, Pla05a]. **variabler** [Pla03e, Pla05a]. **Variation** [Noe73, Peg77]. **variations** [Pla23a]. **VDI** [Pla33g, Pla33g]. **VDPG** [Ano61]. **ve** [Pla15g]. **VEB** [Ber60]. **Veit** [Ano13, Jüt11, Jüt18b]. **velocity** [Pla94c, Pla95b, Pla22i]. **veränderte** [Pla14e]. **Veranstaltung** [Ano29b]. **Verantwortung** [Gri98]. **Verband** [Ebe63]. **verbessert** [Thi88]. **Verbesserung** [Pla00g, Pla78c]. **Verdampfen** [Pla82]. **verdünnten** [Pla88a, Pla88i, Pla88k, Pla88j, Pla88h, Pla90b, Pla90e]. **verdünnter** [Pla87b, Pla87f, Pla88l, Pla27e, Pla29n, Pla30g, Pla31f, Pla33e]. **Verdünnungswärme** [Pla89r]. **Vereinfachte** [Pla01g]. **verfilmt** [Bre08]. **Verflüssigung** [Pla89i]. **Vergessen** [Bre08]. **Verhalten** [Pla89e]. **Verhältnis** [Hof00, Kir98a, Pla14i, Pla14j, Pla25f]. **Verhältnisbestimmung** [Tre01]. **Verhandlungen** [Ano48a]. **verheiligert** [MSQM63]. **véridique** [Lev04]. **Vérification** [Rub12, War12, War12, Rub12]. **Verlag** [Ano02, Ano13, Ano24, Ano30b, Ano34, Ano36, Ano39, Ano41b, Ano41a, Ano48i, Ano89, Ben30, Ber60, BBG<sup>+</sup>58, Ebe63, Flü47, Fra31, Her24, Jüt11, Jüt17, Jüt18a, Jüt18b, Jüt21, Jüt22, Klo63, Mis33, Mos42, Reg34, Sac69, Sch49, Sch00b, Sch55, Som49, Wei68, Wil37, Zil33]. **Verlage** [Ano46b]. **Verlagsgesellschaft** [Hei31]. **Verlegt** [Ano46b]. **Verleihung** [Fie75, Haa75, Pla27a, KGS055]. **verloren** [Bre08]. **Vermehrung** [Pla87c, Pla87d, Pla87e, Pla91b]. **vermeintlicher** [Pla00b]. **vernünftige** [Pla49b]. **Veröffentlichungen** [BPL<sup>+</sup>54, Kra97]. **Veröffentlichungen** [Mei47]. **versäumt** [Hof08e]. **Verschiebungsgesetzes** [Pla06b]. **verschiedenen** [Pla80, Pla89g]. **verschiedener** [Pla98a]. **Verschwenden** [BPL<sup>+</sup>54]. **Verschwenden/Rziha** [BPL<sup>+</sup>54]. **Verständnis** [OT97]. **Versuch** [Tre01, Pla40b, Pla40c, Pla41c]. **versus** [Gré19, Pet14]. **Verteilung** [Pla01b, Pla02b]. **Vertheilung** [Pla88c]. **verwandelt** [JDB<sup>+</sup>97]. **Verwirrende** [Ano53b]. **very** [Pla88j]. **Verzeichnis** [Mei47]. **Verzweiflung** [Dar00]. **Verzweiflung**. [Büh98a]. **VI** [Fra31, Ano31]. **Via** [BBG<sup>+</sup>58]. **vibrating** [Pla00f, Pla02c]. **vibration** [Pla01g]. **vibrations** [Pla97e, Pla97a, Pla23d]. **vida** [dACB58]. **Vienna** [Ano11, MR87, Pla29h].

**Vierst.** [Ano48i]. **Vierstellige** [GBM<sup>+</sup>49]. **Vierte** [Ano13, Ano39]. **view** [HD48, Lon84, Lon03c, Pla10c, Pla10d, Pla10e, Pla10b, Pla11a, Pla29g, Pla29i, Pla29o]. **Vieweg** [Ebe63]. **Views** [WC91, Som36]. **VIII** [Ano13, Pic25]. **Violi** [Pla89d]. **Vischer** [MKD<sup>+</sup>91]. **vision** [Bro15, Gio24]. **visit** [Alb93, Pla47b]. **vitae** [Pla20b]. **vitenskapsmann** [Har44]. **Vögler** [Her03, Koh02, Koh02]. **Voice** [Brü38]. **Vol** [KKRS96]. **volatile** [Pla88i, Pla88k]. **völlig** [Sch55]. **Volume** [BDR86, Cla91, Pla32g, Pla32i, Pla32j, Pla49e, Pla49i, Pla49j, Pla57a, Pla57c, Pla64b, Pla32h, Pla33d, Pla37a, Pla49a, Pla49h, Pla57b, Pla15c, Tho31]. **Volumes** [Pla89b]. **Volumina** [Pla89b, Pla89h]. **Vom** [MSQM63, Mü108b, Pla30b, Ano69, Ebe63, Jos95, Pla88e, Pla88f, Pla89q, Pla89w, Pla15a, Pla18a, Pla29c, Brü38, Pla25g, Pla36c, Pla37h, Pla39c, Pla45d, Pla48e, Pla52d, Pla53d, Pla55e, Pla90b]. **vor** [Ano46a, Jüt21, Pla20b, Pla20c, vL58b]. **Vorgänge** [Ano02]. **vorgelegt** [Pla27b]. **Vorgeschichte** [Yos95d, Kan70, Thi71]. **Vorgetragen** [Pla33g]. **Vorlesung** [Fis08a]. **Vorlesungen** [Pla10a, vL54, Ano13, Ano24, Ein06, GBM<sup>+</sup>49, Her24, Jüt11, Jüt18b, Jüt22, Kir94, Pla97f, Pla05c, Pla06g, Pla11e, Pla13k, Pla13j, Pla17c, Pla19f, Pla21g, Pla21f, Pla22j, Pla23i, Pla27f, Pla30h, Pla54c, PP64, Pla66, Pla10b, Pla15i, Sch65]. **vorn** [Frö01]. **Vorsitzenden** [Pla22f]. **Vorstandes** [Pla33g]. **Vortrag** [Flü47]. **Vortrag** [Dys70, Haa70, Hei31, Hei69, Jüt21, Pla10c, Pla10d, Pla10e, Pla11c, Pla11d, Pla11a, Pla13c, Pla13d, Pla13e, Pla14c, Pla20b, Pla20a, Pla23g, Pla29g, Pla29e, Pla29f, Pla31e, Pla35e, Pla35c, Pla35d, Pla36c, Pla37d, Pla38h, Pla39c, Pla42e, Pla45a, Pla45b, Pla52d, Pla53d, Pla55e, vL58b, Pla09c, Ano29b]. **Vorträge** [Ano58, Dri01, Ebe63, HR01, Jac02, Kra02a, Kra02b, Max58, Sim06, Som33, BBG<sup>+</sup>58, Mis33, Pla33h, Pla43b, Pla44b, Pla45e, Pla49k, Pla58f, Pla90b, RH01, Zil33, vL58a, Ano32]. **Vorträge/Goethe** [BBG<sup>+</sup>58]. **Vorträgen** [Fra31, Gri98, Pla16c, Pla19e, Pla21c, Pla22d, Pla28b, Pla31b, Pla15f].

**W** [Ber60, BT58, DT58, MKD<sup>+</sup>91, Pla89x, Pla00d, Pla03c, Pla37i]. **W** [Pla37i]. **Waals** [Pla89w, Pla89v, Pla89u]. **Waddington** [Adl03]. **Waerden** [HKS<sup>+</sup>68]. **Wahlvorschläge** [KK75]. **Wahr** [BBG<sup>+</sup>58]. **während** [Hac07]. **Wald** [Pla89j]. **Walden** [Ano48i]. **Walker** [Hop96]. **Wallace** [Kut14a, Kut14a]. **Walter** [HRR10a, HRR10b, Sch65, HRR10b]. **Walther** [MdB63, Men73]. **War** [Ano16, Hop96, Sim12, BA01, Bro15, Löh12]. **wäre** [HS97]. **Wärme** [Cla91, Cla89, Fra31, Kir98a, Pla88e, Pla90d, Pla90c, Ein07b, Pla00c, Pla13i]. **Wärmeinhalt** [Pla89g]. **Wärmelehre** [Cla89]. **Wärmemenge** [Pla89g]. **Wärmestrahlung** [Pla13e, Sch78c, Ano24, Her24, Jüt22, Pla06g, Pla10j, Pla13j, Pla19f, Pla21f, Pla23i, Pla24b, Pla66, Pla15i, Wei68, Ein06]. **Wärmethorem** [Pla12c, Pla12d]. **Wärmethorems** [Pla10h]. **Warmetheorie** [Cla91, Cla91, Kir98b, Pla89j, Pla15c, Pla79, Pla91a, Pla93a, Pla15a, Pla89n].

**Warum** [Ano48i, Pla42f]. **Was** [Ano16, Ano47c, Bre08, MAS63, MSQM63].  
**Washingtoner** [Ano46b]. **Wasser** [Kir98b]. **Wasserdampfes** [Kir98b].  
**Wasserstoffs** [Pla19c]. **water** [Kir98b]. **Wave** [Hie68, Mic68, Prz63, MR87, Pla28d, Pla40b, Pla40c, Pla41c, Prz86, Prz11, Wes40]. **wavelengths** [Rub12].  
**waves** [Pla95a, Pla96a, Pla03g]. **way** [Hei07]. **ways** [Wol08].  
**WE-Heraeus-program** [JDB<sup>+</sup>97]. **WE-Heraeus-Programm** [JDB<sup>+</sup>97].  
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**X** [Jüt18b, Pla62, Seg07b]. **X-ray** [Pla62]. **X-rays** [Seg07b]. **XI** [Ebe63, Thi71]. **XII** [Ebe63, Jüt22]. **xiii** [San87]. **xiv** [McK27]. **XV** [Ebe63]. **xx** [Hie68].

**Yale** [Ano23]. **Year** [FR13, Lon84, Mul94, Pla06a]. **Years** [AH93, Gam85b, Hoh99, Par12, SB51, Ano46c, Fad96, Hei38, Kae48, KKRS96, Pla29b, Pla30f, Pla37a, Pla62]. **York** [C.49, Hie68, Pic25, Pla10a, Pla10a]. **young** [Pye85b]. **youth** [Bra14b].

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**Planck:1894:HRH**

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**Planck:1894:BMG**

[Pla94c] Max Planck. Über den Beweis des Maxwellschen Geschwindigkeitsverteilungsgesetzes unter Gasmolekülen. (German) [On the evidence for Maxwell's law of velocity distribution of gas molecules]. *Sitzungsberichte der Mathematisch-Naturwissenschaftlichen Abteilung der Bayerischen Akademie der Wissenschaften zu München*, 24(??):391–394, 1894. CODEN SMNBAC. ISSN 0376-1037.

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**Planck:1895:BMG**

[Pla95b] Max Planck. Ueber den Beweis des Maxwell'schen Geschwindigkeitsverteilungsgesetzes unter Gasmolekülen. (German) [On the evidence for Maxwell's law of velocity distribution of gas molecules]. *Annalen der Physik (Berlin)*, 291(5):220–222, 1895. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic).

**Planck:1896:AEE**

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**Planck:1897:ESW**

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**Planck:1898:RCA**

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**Planck:1899:ISG**

- [Pla99b] Max Planck. Irreversible strahlungsvorgänge. (German) [Irreversible radiation processes]. *Naturwissenschaftliche Rundschau*,

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**Planck:1899:ISV**

- [Pla99c] Max Planck. Über irreversible Strahlungsvorgänge. (Fünfte Mitteilung). (German) [On irreversible radiation processes. (Fifth communication)]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften zu Berlin*, 23(??):440–480, May 18, 1899. CODEN SPWPAI. ISSN 0371-2435.

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**Planck:1900:ETS**

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**Planck:1900:EES**

- [Pla00f] Max Planck. Über die von einem elliptisch schwingenden Ion emittierte und absorbierte Energie. (German) [On energy emitted and absorbed by an elliptically vibrating ion]. *Archives Néerlandaises des Sciences Exactes et Naturelles*, ??(??):164–174, ??? 1900. CODEN ANSNAI. ISSN 0365-5059. Jubelband für H. A. Lorentz, 1900.

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**Planck:1900:ISG**

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**Planck:1900:TGE**

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551. English translation in [Pla69b]. In this paper, Planck introduces a formula for the blackbody radiation law, and also derives estimates of Loschmidt's number  $L$  (proportional to Avogadro's number), the Boltzmann–Drude constant  $\alpha$ , and the electron charge,  $e$ .

**Planck:1901:GEI**

- [Pla01a] Max Planck. Über das Gesetz der Energieverteilung im Normalspektrum. (German) [On the law of distribution of energy in the normal spectrum]. *Annalen der Physik (1900) (series 4)*, 309(3):553–563, ??? 1901. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic). URL <http://onlinelibrary.wiley.com/doi/10.1002/andp.19013090310/abstract>; <http://web.ihep.su/dbserve/compas/src/planck01/eng.pdf>; [http://web.ihep.su/owa/dbserve/hw.part2?s\\_c=PLANCK+1901](http://web.ihep.su/owa/dbserve/hw.part2?s_c=PLANCK+1901).

**Planck:1901:VEZ**

- [Pla01b] Max Planck. Über die Verteilung der Energie zwischen Äther und Materie. (German) [On the distribution of energy between ether and matter]. *Archives Néerlandaises des Sciences Exactes et Naturelles*, 6 (série 2)(?):55–66, ??? 1901. CODEN ANSNAI. ISSN 0365-5059. URL <https://archive.org/stream/archivesnerland261901laha.pdf>. Jubelband für J. Bosscha.

**Planck:1901:ISNa**

- [Pla01c] Max Planck. Über irreversible Strahlungsvorgänge (Nachtrag). (German) [On irreversible radiation processes (addendum)]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften zu Berlin*, 25(??):544–555, May 9, 1901. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1901:ISNb**

- [Pla01d] Max Planck. Über irreversible Strahlungsvorgänge. Nachtrag. (German) [On irreversible radiation processes. Addendum]. *Annalen der Physik (Berlin)*, 311(12):818–831, ??? 1901. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic).

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**Planck:1901:ISG**

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- [Pla01g] Max Planck. Vereinfachte Ableitung der Schwingungsgesetze eines linearen Resonators im stationär durchstrahlten Felde. (German) [Simplified derivation of the laws of vibration of a linear resonator in a stationary irradiated field]. *Physikalische Zeitschrift*, 2(36):530–534, June 8, 1901. CODEN PHZTAO. ISSN 0369-982X. URL <http://hdl.handle.net/2027/mdp.39015068319659?urlappend=%3Bseq=550>.

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**Planck:1902:VEZ**

- [Pla02b] Max Planck. Ueber die Verteilung der Energie zwischen Aether und Materie. (German) [On the distribution of energy between ether and matter]. *Annalen der Physik (Berlin)*, 314(11):629–641, 1902. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic). Jubelband für J. Bosscha.

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- [Pla02c] Max Planck. Ueber die von einem elliptisch schwingenden Ion emittierte und absorbierte Energie. (German) [On energy emitted and absorbed by an elliptically vibrating ion]. *Annalen der Physik (Berlin)*, 314(11):619–628, 1902. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic).

**Planck:1902:ETD**

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**Planck:1902:TDB**

- [Pla02e] Max Planck. Zur Thermodynamik und Dissoziationstheorie binärer Elektrolyte. (German) [On the thermodynamics and dissociation of binary electrolytes]. *Zeitschrift für Physikalische Chemie — Stöchiometrie und Verwandtschaftslehre*, 41(2):212–223, ??? 1902. CODEN ZEPAC. ISSN 0372-8501.

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**Planck:1903:MSE**

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**Planck:1903:RJW**

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**Planck:1903:TT**

- [Pla03d] Max Planck. *Treatise on Thermodynamics*. Longmans, Green, London, UK, 1903. xii + 272 pp. LCCN QC311 .P72. Authorized English translation by Alexander Ogg of [Pla97f].

**Planck:1903:ODL**

- [Pla03e] Max Planck. Über den osmotischen Druck einer Lösung von merklich variabler Dichte. (German) [On the osmotic pressure of a solution of markedly-variable density]. *Zeitschrift für Physikalische Chemie — Stöchiometrie und Verwandtschaftslehre*, 42(5):584–590, ??? 1903. CODEN ZEPAC. ISSN 0372-8501.

**Planck:1903:GLE**

- [Pla03f] Max Planck. Über die Grundlage der Lösungstheorie; eine Erwiderung. (German) [On the foundation of solution theory; a reply]. *Annalen der Physik (Berlin)*, 315(2):436–445, 1903. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic).

**Planck:1903:OEM**

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**Planck:1903:EMT**

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**Planck:1904:ELE**

- [Pla04a] Max Planck. Über die Extinktion des Lichtes in einem optisch homogenen Medium von normaler Dispersion. (German) [The extinction of light in an optical homogeneous media from normal dispersion]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften*, 22(??):740–750, April 21, 1904. CODEN SPAWAV. ISSN 0371-196X.

**Planck:1904:BMB**

- [Pla04b] Max Planck. Über die mechanische Bedeutung der Temperatur und der Entropie. (German) [On the mechanical importance of temperature and entropy]. In *Boltzmann-Festschrift 1904*, pages 113–122. 1904.

**Planck:1905:NAD**

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**Planck:1905:CTI**

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**Planck:1905:VTG**

- [Pla05c] Max Planck. *Vorlesungen über Thermodynamik. (German) [Lectures on thermodynamics]*. Veit, Leipzig, Germany, second edition, 1905. vii + 256 pp. LCCN QC311 .P71 2d ed.

**Planck:1906:JDJ**

- [Pla06a] Max Planck. Am 5. Juli dieses Jahres ist Paul Drude . . . (German) [On July 5 of this year is Paul Drude . . .]. *Annalen der Physik (Berlin)*, 325(9):i–iv, 1906. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic).

**Planck:1906:BKW**

- [Pla06b] Max Planck. Bemerkung über die Konstante des Wienschen Verschiebungsgesetzes. (German) [Remarks about the constant of the Wien's displacement law]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 8(24):695–696, December 30, 1906. CODEN VDPEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/coo.31924056112125?urlappend=%3Bseq=709>.

**Planck:1906:PRG**

- [Pla06c] Max Planck. Das Prinzip der Relativität und die Grundgleichungen der Mechanik. (German) [The Principle of Relativity and the basic equations of mechanics]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 8(7):136–141, April 15, 1906. CODEN VDPEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/coo.31924056112125?urlappend=%3Bseq=150>.

**Planck:1906:KMAa**

- [Pla06d] Max Planck. Die Kaufmannschen Messungen der Ablenkbarkeit der  $\alpha$ -Strahlen in ihrer Bedeutung für die Dynamik der Elektronen. (German) [Kaufmann's measurements of deflection of  $\beta$  rays and their importance for the dynamics of electrons]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 8(20):418–432, October 30, 1906. CODEN VDPEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/coo.31924056112125?urlappend=%3Bseq=432>.

**Planck:1906:KMAb**

- [Pla06e] Max Planck. Die Kaufmannschen Messungen der Ablenkbarkeit der  $\alpha$ -Strahlen in ihrer Bedeutung für die Dynamik der Elektronen. (German) [Kaufmann's measurements of deflection of  $\beta$  rays and their importance for the dynamics of electrons]. *Physikalische Zeitschrift*, 7(21):753–761, October 25, 1906. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015068320962%3Bview=1up%3Bseq=797>.

**Planck:1906:PDG**

- [Pla06f] Max Planck. Paul Drude. Gedächtnisrede, gehalten in der Sitzg. d. Dtsch. Physik. Ges. am 30. November 1906. (German) [Paul Drude. Memorial speech, held in the meeting of the German Physical Society, 30 November 1906]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 8(23):599–630, December 15, 1906. CODEN VDPEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/coo.31924056112125?urlappend=%3Bseq=613>.

**Planck:1906:VTW**

- [Pla06g] Max Planck. *Vorlesungen über die Theorie der Wärmestrahlung. (German) [Lectures on the Theory of Heat Radiation]*. J. A. Barth, Leipzig, Germany, 1906. xiii + 222 pp. LCCN QC331 .P7.

**Planck:1907:KMA**

- [Pla07a] Max Planck. Die Kaufmannschen Messungen der Ablenkbarkeit der  $\alpha$ -Strahlen in ihrer Bedeutung für die Dynamik der Elektronen. (German) [Kaufmann's measurements of deflection of  $\beta$  rays and their importance for the dynamics of electrons]. *Verhandlungen der Gesellschaft Deutscher Naturforscher und Ärzte*, 2(1):61–62, 1907. CODEN VGDNAN. ISSN 0172-0651.

**Planck:1907:DPC**

- [Pla07b] Max Planck. Dr. phil. Carl Liebenow. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 9(1):1, January 15, 1907. CODEN VDPEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/chi.21403652?urlappend=%3Bseq=15>.

**Planck:1907:NBK**

- [Pla07c] Max Planck. Nachtrag zu der Besprechung der Kaufmannschen Ablenkungsmessungen. (German) [Subsequent to the review

of Kaufmann's deflection measurements]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 9(14):301–305, July 30, 1907. CODEN VDPEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/chi.21403652?urlappend=%3Bseq=317>.

**Planck:1907:TSS**

[Pla07d] Max Planck. Theorie der stationären Strahlungs in einem gleichförmig bewegten Hohlraum. Von Kurd von Mosengeil. (German) [Theory of stationary radiation in a uniformly moving cavity. From Kurd von Mosengeil]. *Annalen der Physik (Berlin)*, 327(5):867–904, 1907. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic). Planck's pupil Kurd von Mosengeil died prematurely in 1907.

**Planck:1907:WB**

[Pla07e] Max Planck. Wilhelm von Bezold. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 9(5–6):91–93, March 30, 1907. CODEN VDPEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/chi.21403652?urlappend=%3Bseq=107>.

**Planck:1907:DBS**

[Pla07f] Max Planck. Zur Dynamik bewegter Systeme. (German) [The dynamics of moving systems]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften*, 29(?):542–570, June 13, 1907. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1907:TDG**

[Pla07g] Max Planck. Zur Theorie der Dispersion. (German) [On the theory of dispersion]. *Physikalische Zeitschrift*, 8(24):906, December 1, 1907. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015068320954%3Bview=1up%3Bseq=938>.

**Planck:1908:BPAA**

[Pla08a] Max Planck. Bemerkungen zum Prinzip der Aktion und Reaction der allgemeinen Dynamik. (German) [Remarks on the principle of action and reaction of general dynamics]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 10(18–20):728–732, October 30, 1908. CODEN VDPEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/chi.105146030?urlappend=%3Bseq=750>.

**Planck:1908:BPAb**

- [Pla08b] Max Planck. Bemerkungen zum Prinzip der Aktion und Reaction der allgemeinen Dynamik. (German) [Remarks on the principle of action and reaction of general dynamics]. *Physikalische Zeitschrift*, 9(23):828–830, November 15, 1908. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015068320947%3Bview=1up%3Bseq=860>.

**Planck:1908:PEE**

- [Pla08c] Max Planck. *Das Prinzip der Erhaltung der Energie. (German) [The principle of conservation of energy]*. Teubner, Stuttgart, Germany; Leipzig, Germany, second edition, 1908. ???? pp.

**Planck:1908:AP**

- [Pla08d] Max Planck. Dr. Adolf Paalzow. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 10(2):17, January 30, 1908. CODEN VDPEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/chi.105146030?urlappend=%3Bseq=35>.

**Planck:1908:KZE**

- [Pla08e] Max Planck. Über die kanonische Zustandsgleichung einatomiger Gase. (German) [On the canonical equation of state of monatomic gases]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften*, 32(?):633–647, June 25, 1908. CODEN SPAWAV. ISSN 0371-196X.

**Planck:1908:DBS**

- [Pla08f] Max Planck. Zur Dynamik bewegter Systeme. (German) [On the dynamics of moving systems]. *Annalen der Physik (Berlin)*, 331(6):1–34, ???? 1908. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic). URL <http://onlinelibrary.wiley.com/doi/10.1002/andp.19083310602/abstract>.

**Planck:1908:TDG**

- [Pla08g] Max Planck. Zur Theorie der Dispersion. (German) [On the theory of dispersion]. *Physikalische Zeitschrift*, 9(11):354, June 1, 1908. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015035421141%3Bview=1up%3Bseq=380>.

**Planck:1909:BPA**

- [Pla09a] Max Planck. Bemerkungen zum Prinzip der Aktion und Reaktion der allgemeinen Dynamik. (German) [Remarks on the principle

of action and reaction of general dynamics]. *Verhandlungen der Gesellschaft Deutscher Naturforscher und Ärzte zu Köln*, 2(??): 53–??, ??? 1909.

**Planck:1909:EPWa**

- [Pla09b] Max Planck. Die Einheit des physikalischen Weltbildes. Leipzig 1909. (German) [The unity of physical pictures of the world. Leipzig 1909]. *Physikalische Zeitschrift*, 10(2): 62–75, January 15, 1909. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015023919049%3Bview=1up%3Bseq=90>.

**Planck:1909:EPWb**

- [Pla09c] Max Planck. *Die einheit des physikalischen weltbildes; vortrag gehalten am 9. dezember 1908 in der naturwissenschaftlichen fakultät des studentenkörps an der Universität Leiden.* (German) [The unity of the physical picture of the world; lecture held on 9 December 1908 in the Faculty of Science of the student corps at the Leiden University]. S. Hirzel, Leipzig, Germany, 1909. 38 pp. LCCN QC71 .P713.

**Planck:1909:DEB**

- [Pla09d] Max Planck. Diskussion (zu Einstein, *Konstitution der Strahlung*). (German) [Discussion (on Einstein, *Constitution of radiation*)]. *Physikalische Zeitschrift*, 10(22):825–826, November 10, 1909. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015023919049%3Bview=1up%3Bseq=879>.

**Planck:1909:ELT**

- [Pla09e] Max Planck. *Eight Lectures on Theoretical Physics: Delivered at Columbia University in 1909.* Forgotten Books, ???, 1909. ISBN 1-330-06618-9. 150 pp. LCCN ???

**Planck:1909:KGK**

- [Pla09f] Max Planck. Zur kinetischen Gastheorie. Eine kritische Untersuchung. (German) [On kinetic gas theory. a critical investigation]. *Physikalische Zeitschrift*, 10(6):195–196, March 15, 1909. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015023919049%3Bview=1up%3Bseq=229>.

**Planck:1910:AVT**

- [Pla10a] Max Planck. *Acht Vorlesungen über theoretische Physik, gehalten an der Columbia university in the city of New York im frühjahr 1909. (German) [Eight Lectures on Theoretical Physics, held at Columbia University in the City of New York in the spring of 1909]*. S. Hirzel, Leipzig, Germany, 1910. 4 + 127 pp. LCCN QC71 .P6. URL <http://catalog.hathitrust.org/api/volumes/oclc/982335.html>.

**Planck:1910:SNPd**

- [Pla10b] Max Planck. *Die Stellung der neueren Physik zur mechanischen Naturanschauung. (German) [The position of modern physics in the mechanical view of nature]*. F. C. W. Vogel, Leipzig, Germany, 1910. 20 pp. LCCN ????

**Planck:1910:SNPa**

- [Pla10c] Max Planck. Die Stellung der neueren Physik zur mechanischen Naturanschauung. Vortrag gehalten am 29.9.1910 in Königsberg . (German) [The position of modern physics on the mechanical view of nature. Lecture held on 29 September 1910 in Königsberg]. *Naturwissenschaftliche Rundschau*, 25(41):521–525, October 13, 1910. CODEN NARSAC. ISSN 0028-1050.

**Planck:1910:SNPb**

- [Pla10d] Max Planck. Die Stellung der neueren Physik zur mechanischen Naturanschauung. Vortrag gehalten am 29.9.1910 in Königsberg . (German) [The position of modern physics on the mechanical view of nature. Lecture held on 29 September 1910 in Königsberg]. *Naturwissenschaftliche Rundschau*, 25(42):533–536, October 20, 1910. CODEN NARSAC. ISSN 0028-1050.

**Planck:1910:SNPc**

- [Pla10e] Max Planck. Die Stellung der neueren Physik zur mechanischen Naturanschauung. Vortrag gehalten am 29.9.1910 in Königsberg . (German) [The position of modern physics on the mechanical view of nature. Lecture held on 29 September 1910 in Königsberg]. *Physikalische Zeitschrift*, 11(21–22):922–932, November 1, 1910. CODEN PHZTAO. ISSN 0369-982X. URL <http://hdl.handle.net/2027/njp.32101054770845?urlappend=%3Bseq=472>.

**Planck:1910:GRL**

- [Pla10f] Max Planck. Gleichförmige Rotation und Lorentz-Kontraktion. (German) [Uniform rotation and Lorentz contraction]. *Physikalische*

*che Zeitschrift*, 11(7):294, April 1, 1910. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015035421174%3Bview=1up%3Bseq=370>.

**Planck:1910:MTN**

- [Pla10g] Max Planck. The mechanical theory of nature. *Scientific American*, 70(??):387, ??? 1910. CODEN SCAMAC. ISSN 0036-8733 (print), 1946-7087 (electronic). URL <http://www.nature.com/scientificamerican/journal/v70/n1824supp/full/scientificamerican12171910-387asupp.html>.

**Planck:1910:IBN**

- [Pla10h] Max Planck. Über den Inhalt und die Bedeutung des Nernstschen Wärmetheorems für die reine Thermodynamik. (German) [On the content and meaning of Nernst's Heat Theorem for pure thermodynamics]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften*, 40(??):865, October 20, 1910. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1910:MTP**

- [Pla10i] Max Planck. Zur Machschen Theorie der physikalischen Erkenntnis. Eine Erwiderung. (German) [On Mach's theory of physical cognition. A reply]. *Physikalische Zeitschrift*, 11(25):1186–1190, December 8, 1910. CODEN PHZTAO. ISSN 0369-982X. URL <http://hdl.handle.net/2027/njp.32101054770845?urlappend=%3Bseq=746>.

**Planck:1910:TWG**

- [Pla10j] Max Planck. Zur Theorie der Wärmestrahlung. (German) [On the theory of heat radiation]. *Annalen der Physik (Berlin)*, 336(4):758–768, ??? 1910. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic).

**Planck:1911:SNP**

- [Pla11a] Max Planck. Die Stellung der neueren Physik zur mechanischen Naturanschauung. Vortrag gehalten am 29.9.1910 in Königsberg . (German) [The position of modern physics on the mechanical view of nature. Lecture held on 29 September 1910 in Königsberg]. *Verhandlungen der Gesellschaft Deutscher Naturforscher und Ärzte*, 1(??):58–75, ??? 1911. CODEN VGDNAN. ISSN 0172-0651.

**Planck:1911:NSG**

- [Pla11b] Max Planck. Eine neue Strahlungshypothese. (German) [A new radiation hypothesis]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 13(3):138–148, February 15, 1911. CODEN VDPEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/coo.31924056113495?urlappend=%3Bseq=154>.

**Planck:1911:ETVa**

- [Pla11c] Max Planck. Énergie et température: Vortrag, gehalten am 21. April 1911 in Paris bei der Ostertagung der Französ. Physik. Ges.. (French) [Energy and temperature: Lecture held on 21 April 2011 in Paris at the Easter meeting of the French Physical Society]. *Journal de Physique Th'eorique et Appliqu'ee*, 1(1):345–359, 1911. CODEN JPTAAT. ISSN 0368-3893.

**Planck:1911:ETVb**

- [Pla11d] Max Planck. Énergie et température: Vortrag, gehalten am 21. April 1911 in Paris bei der Ostertagung der Französ. Physik. Ges. (French) [Energy and temperature: Lecture held on 21 April 2011 in Paris at the Easter meeting of the French Physical Society]. *Physikalische Zeitschrift*, 12(16):681–687, August 15, 1911. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015011417709%3Bview=1up%3Bseq=739>.

**Planck:1911:VTG**

- [Pla11e] Max Planck. *Vorlesungen über Thermodynamik*. (German) [*Lectures on thermodynamics*]. Verlag von Veit & Comp., Leipzig, Germany, third edition, 1911. vii + 286 pp. LCCN QC311 .P7 1911.

**Planck:1911:HQG**

- [Pla11f] Max Planck. Zur Hypothese der Quantenemission. (German) [On the hypothesis of quanta emissions]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften*, 35(?):723–731, July 13, 1911. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1912:LDR**

- [Pla12a] Max Planck. La loi du rayonnement noir et l'hypothèse des quantités élémentaires d'action. (French) [The law of black body radiation and the hypothesis of the quantum of action]. In Langevin and de Broglie [LdB12], pages 93–114 + 115–132 (discussion). URL <https://archive.org/details/lathoriedurayo00inst>.



**Planck:1912:BGS**

- [Pla12b] Max Planck. Über die Begründung des Gesetzes der schwarzen Strahlung. (German) [On the justification of the law of black [body] radiation]. *Annalen der Physik (Berlin)*, 342(4):642–656, 1912. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic).

**Planck:1912:NTTa**

- [Pla12c] Max Planck. Über neuere thermodynamische Theorien. (Nernstsches Wärmethorem und Quanten-Hypothese). (German) [On recent thermodynamic theories. (Nernst heat theorem and quantum hypothesis)]. *Berichte der deutschen chemischen Gesellschaft*, 45(1):5–23, 1912. CODEN BDCGAS. ISSN 0365-9496.

**Planck:1912:NTTb**

- [Pla12d] Max Planck. Über neuere thermodynamische Theorien. (Nernstsches Wärmethorem und Quanten-Hypothese). (German) [On recent thermodynamic theories. (Nernst heat theorem and quantum hypothesis)]. *Physikalische Zeitschrift*, 13(4):165–175, February 15, 1912. CODEN PHZTAO. ISSN 0369-982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015023176806%3Bview=1up%3Bseq=223>.

**Planck:1913:AGS**

- [Pla13a] Max Planck. Ansprache. (German) [Speech]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften zu Berlin*, 4(?):73–76, January 23, 1913. URL <https://biodiversitylibrary.org/page/40701758>.

**Planck:1913:PEE**

- [Pla13b] Max Planck. *Das Prinzip der Erhaltung der Energie*. (German) [*The principle of conservation of energy*]. Teubner, Stuttgart, Germany; Leipzig, Germany, third edition, 1913. ??? pp.

**Planck:1913:GBQa**

- [Pla13c] Max Planck. Die gegenwärtige Bedeutung der Quantenhypothese für die kinetische Gastheorie. Wolfskehl-Vortrag, Göttingen, April 1913. (German) [The contemporary significance of the quantum hypothesis for the kinetic theory. Wolfskehl lecture, Göttingen, April 1913]. *Physikalische Zeitschrift*, 14(6):258–259, March 15, 1913. CODEN PHZTAO. ISSN 0369-

982X. URL <http://babel.hathitrust.org/cgi/pt?id=mdp.39015021268936%3Bview=1up%3Bseq=304>.

**Planck:1913:GBQb**

- [Pla13d] Max Planck. Die gegenwärtige Bedeutung der Quantenhypothese für die kinetische Gastheorie. Wolfskehl-Vortrag, Göttingen, April 1913. (German) [The contemporary significance of the quantum hypothesis for the kinetic theory. Wolfskehl lecture, Göttingen, April 1913]. *Nachrichten von der Gesellschaft der Wissenschaften zu Göttingen. Mathematisch-Physikalische Klasse*, ??(?):137–140, ??? 1913. CODEN NWGAAN. ISSN 0369-6650.

**Planck:1913:GWH**

- [Pla13e] Max Planck. Die Gesetze der Wärmestrahlung und die Hypothese der elementaren Wirkungsquanten. Vortrag, gehalten auf dem Solvay-Kongreß, Brüssel, 1911. (German) [The laws of thermal radiation and the hypothesis of the elementary quantum effect. Paper presented at the Solvay Congress, Brussels, 1911]. In Arnold Eucken, editor, *Die Theorie der Strahlung und der Quanten. Verhandlungen auf einer von E. Solvay einberufenen Zusammenkunft [30. Oktober bis 3. November 1911]; mit einem Anhang über die Entwicklung der Quantentheorie vom Herbst 1911 bis zum Sommer 1913.* (German) [Theory of radiation and the quantum: Proceedings of a conference convened by E. Solvay [30 October to 3 November 1911]; with an appendix on the development of quantum theory from the fall of 1911 until the summer of 1913], pages 77–94 (??). S. Wilhelm Knapp, Halle, Germany, 1913.

**Planck:1913:ESH**

- [Pla13f] Max Planck. Erwiderrung des Sekretärs Hr. Planck. (German) [Reply of the secretary Mr. Planck]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften zu Berlin*, 32(?):600–602, June 26, 1913. URL <https://biodiversitylibrary.org/page/40702346>.

**Planck:1913:LTT**

- [Pla13g] Max Planck. *Leçons de thermodynamique: Le théorème de Nernst et l'hypothèse des quanta.* (French) [Lectures on thermodynamics: Nernst's theorem and the quantum hypothesis]. Librairie scientifique A. Hermann et Fils, Paris, France, 1913. 310 pp. LCCN ????

**Planck:1913:NBP**

- [Pla13h] Max Planck. *Neue Bahnen der physikalischen Erkenntnis: Rede, gehalten in der Berliner Universität anlässlich der Übernahme des Rektorats. (German) [New paths of physical knowledge: Speech held, in the University of Berlin in connection with the assumption of the Rector's Office. Berlin 1913]*, volume 1913 of *Rektorwechsel an der Friedrich-Wilhelms-Universität zu Berlin*. Norddeutsche Buchdruckerei, Berlin, Germany, 1913. 23–45 pp. LCCN ????

**Planck:1913:GZO**

- [Pla13i] Max Planck. Über das Gleichgewicht zwischen Oszillatoren, freien Elektronen und strahlender Wärme. (German) [On the balance between oscillators, free electrons, and radiant heat]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften*, 18(??):350–363, April 3, 1913. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1913:VTW**

- [Pla13j] Max Planck. *Vorlesungen über die Theorie der Wärmestrahlung. (German) [Lectures on the Theory of Heat Radiation]*. J. A. Barth, Leipzig, Germany, second edition, 1913. xii + 206 + 7 pp. LCCN QC331 .P7.

**Planck:1913:VTG**

- [Pla13k] Max Planck. *Vorlesungen über Thermodynamik. (German) [Lectures on thermodynamics]*. Verlag von Veit & Comp., Leipzig, Germany, fourth edition, 1913. vii + 288 pp. LCCN QC311 .P7 1913.

**Planck:1914:PKWa**

- [Pla14a] Max Planck. Das Prinzip der kleinsten Wirkung. (German) [The principle of least action]. *Die Kultur der Gegenwart*, 3(3):1–??, ??? 1914.

**Planck:1914:PKWb**

- [Pla14b] Max Planck. Das Prinzip der kleinsten Wirkung. (German) [The principle of least action]. In *Physik*, volume 1 (Part 3) of *Die Kultur der Gegenwart. Ihre Entwicklung und ihre Ziele*, pages 692–702. Emil Warburg, Leipzig and Berlin, Germany, 1914.

Planck:1914:GBQ

- [Pla14c] Max Planck. Die gegenwärtige Bedeutung der Quantenhypothese für die kinetische Gastheorie. Wolfskehl-Vortrag, Göttingen, April 1913. (German) [The contemporary significance of the quantum hypothesis for the kinetic theory. Wolfskehl lecture, Göttingen, April 1913]. In David Hilbert, editor, *Vorträge über die kinetische Theorie der Materie und der Elektrizität: Gehalten in Göttingen auf Einladung der Kommission der Wolfskehlstiftung*, volume 6 of *Mathematische Vorlesungen an der Universität Göttingen*, pages 2–16. Teubner, Stuttgart, Germany; Leipzig, Germany, 1914.

Planck:1914:DSG

- [Pla14d] Max Planck. *Dynamische und statistische Gesetzmässigkeit. Rede, gehalten bei der Feier zum Gedächtnis des Stifters der Berliner Friedrich-Wilhelms-Universität am 3. August 1914.* (German) [Dynamic and statistical regularity. Speech held at the ceremony in memory of the founder of Berlin's Friedrich Wilhelm University on 3 August 1914]. Rede zur Gedächtnisfeier des Stifters der Berliner Universität, König Friedrich Wilhelm III. J. A. Barth, Leipzig, Germany, 1914. 31 pp. LCCN Q171 .P65.

Planck:1914:VFQ

- [Pla14e] Max Planck. Eine veränderte Formulierung der Quantenhypothese. (German) [A modified formulation of the quantum hypothesis]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften*, 34(?):918–923, July 30, 1914. CODEN SP-WPAI. ISSN 0371-2435.

Planck:1914:NBP

- [Pla14f] Max Planck. *Neue Bahnen der physikalischen Erkenntnis: Rede gehalten beim Antritt des Rektorats der Friedrich Wilhelm-Universität, Berlin, am 15. oktober, 1913.* (German) [New paths of physical knowledge: speech held at the commencement of the Rector of the Friedrich Wilhelm University, Berlin, on 15 October 1913]. J. A. Barth, Leipzig, Germany, 1914. 27 + 1 pp. LCCN ????

Planck:1914:NPP

- [Pla14g] Max Planck. [New paths of physical knowledge: Speech held, in the University of Berlin in connection with the assumption of the Rector's Office. Berlin 1913]. *The London, Edinburgh and Dublin Philosophical Magazine and Journal of Science*, 6(?):60–71, 1914. CODEN PHMAA4. ISSN 0031-8086.

**Planck:1914:THR**

- [Pla14h] Max Planck. *The Theory of Heat Radiation*. P. Blakiston's Son and Co., Philadelphia, PA, USA, 1914. xiv + 1 + 225 pp. LCCN QC331 .P73 1914. Authorized translation by Morton Masius.

**Planck:1914:VTZa**

- [Pla14i] Max Planck. Verhältnis der Theorien zueinander. (German) [Ratio of the theories to each other]. *Die Kultur der Gegenwart*, 3 (3):1-??, ??? 1914.

**Planck:1914:VTZb**

- [Pla14j] Max Planck. Verhältnis der Theorien zueinander. (German) [Ratio of the theories to each other]. In *Physik*, volume 1 (Part 3) of *Die Kultur der Gegenwart. Ihre Entwicklung und ihre Ziele*, pages 714–731. Emil Warburg, Leipzig and Berlin, Germany, 1914.

**Planck:1915:AGO**

- [Pla15a] Max Planck. Ansprache, gehalten in der öffentl. Sitzung der Berliner Akademie zur Feier des Leibnizschen Jahrestages vom 1. Juli. (German) [Speech held at the public session of the Berlin Academy to celebrate the anniversary of Leibniz on 1 July]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften*, 33(?):481–484, July 1, 1915. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1915:BES**

- [Pla15b] Max Planck. Bemerkung über die Emission von Spektrallinien. (German) [Comment on the emission of spectral lines]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften*, 53(?):909–913, December 16, 1915. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1915:BEZ**

- [Pla15c] Max Planck. Bemerkung über die Entropiekonstante zweiatomiger Gase. (German) [Remarks on the entropy constant of diatomic gases]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 17(22):418–419, November 30, 1915. CODEN VDPEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/coo.31924056113297?urlappend=%3Bseq=430>.

**Planck:1915:QMMa**

- [Pla15d] Max Planck. Die Quantenhypothese für Molekeln mit mehreren Freiheitsgraden. (I. Mitt.). (German) [The quantum hypothe-

sis for molecules with several degrees of freedom. (First communication)]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 17(22):407–418, November 30, 1915. CODEN VDPEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/coo.31924056113297?urlappend=%3Bseq=419>.

**Planck:1915:QMMb**

[Pla15e] Max Planck. Die Quantenhypothese für Molekeln mit mehreren Freiheitsgraden. (II. Mitt.). (German) [The quantum hypothesis for molecules with several degrees of freedom. (Second communication)]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 17(22):438–451, November 30, 1915. CODEN VDPEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/coo.31924056113297?urlappend=%3Bseq=450>.

**Planck:1915:ER**

[Pla15f] Max Planck. Eduard Riecke. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 17(13):217–218, July 15, 1915. CODEN VDPEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/coo.31924056113297?urlappend=%3Bseq=227>.

**Planck:1915:ELT**

[Pla15g] Max Planck. *Eight lectures on theoretical physics: delivered at Columbia University in 1909*, volume 3 of *Publications of the Ernest Kempton Adams Fund for physical research*. Columbia University Press, New York, NY, USA, 1915. ix + 130 pp. LCCN QC71 .P7. URL <http://catalog.hathitrust.org/api/volumes/oclc/3393318.html>; <http://www.archive.org/details/cu31924005649185>; <http://www.archive.org/details/eightlecturesont00planuoft/>. Translation from German to English by A.P. (Albert Potter) Wills.

**Planck:1915:BEE**

[Pla15h] Max Planck. Über die Energieverteilung in einem System rotierender Dipole. (German) [On the energy distribution in a system of rotating dipoles]. In *Elster-Geitel-Festschrift 1915*, pages 313–317. ????, 1915.

**Planck:1915:QEG**

[Pla15i] Max Planck. Über Quantenwirkungen in der Elektrodynamik. (German) [On quantum effects in electrodynamics].

*Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften*, 35(?):512–519, July 8, 1915. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1916:BQD**

- [Pla16a] Max Planck. Bemerkung zur quantentheoretischen Deutung der Rubens–Hettnerschen Spektralmessung. (German) [Remarks on the quantum interpretation of Rubens–Hettner spectral measurements]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 18(5):168–172, March 15, 1916. CODEN VD-PEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/coo.31924056112240?urlappend=%3Bseq=178>.

**Planck:1916:PSP**

- [Pla16b] Max Planck. Die physikalische Struktur des Phasenraumes. (German) [The physical structure of phase space]. *Annalen der Physik (Berlin)*, 355(12):385–418, 1916. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic).

**Planck:1916:EAM**

- [Pla16c] Max Planck. *Einführung in die allgemeine Mechanik: zum Gebrauch bei Vorträgen sowie zum Selbstunterricht.* (German) [Introduction to General Mechanics: For use in presentations, as well as self teaching], volume 1 of *Einführung in die theoretische Physik*. Hirzel, Leipzig, Germany, 1916. iv + 218 pp. LCCN ????

**Planck:1916:EMD**

- [Pla16d] Max Planck. *Einführung in die Mechanik deformierbarer Körper.* (German) [Introduction to the Mechanics of Deformable Bodies], volume 2 of *Einführung in die theoretische Physik*. Hirzel, Leipzig, Germany, 1916. iv + 218 pp. LCCN ????

**Planck:1916:NBP**

- [Pla16e] Max Planck. *Neue Bahnen der physikalischen Erkenntnis: rede Gehalten beim antritt des Rektorats der Friedrich Wilhelm-Universitaet, Berlin, am 15. oktober, 1913.* (German) [New paths of physical knowledge: speech held at the commencement of the Rector of the Friedrich Wilhelm University, Berlin, on 15 October 1913]. Norddeutsche Buchdruckerei, Leipzig, Germany, second edition, 1916. 27 pp. LCCN ????

**Planck:1916:AEE**

- [Pla16f] Max Planck. Über die absolute Entropie einatomiger Körper. (German) [On the absolute entropy of single-atom bodies]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften*, 31(??):653–667, June 8, 1916. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1917:AGB**

- [Pla17a] Max Planck. Ansprache, gehalten in der Berliner Akademie zur Feier des Geburtsfestes des Kaisers und des Jahrestages König Friedrichs II. (German) [Speech held at the Berlin Academy in celebration of the birth of the Emperor and the anniversary of King Frederick II]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften*, 4(??):35–40, January 25, 1917. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1917:SSD**

- [Pla17b] Max Planck. Über einen Satz der statistischen Dynamik und seine Erweiterung in der Quantentheorie. (German) [On a theorem of statistical dynamics and its extension in quantum theory]. *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften*, 24(??):324–341, May 10, 1917. CODEN SPWPAI. ISSN 0371-2435. URL [https://en.wikipedia.org/wiki/Fokker%E2%80%93Planck\\_equation](https://en.wikipedia.org/wiki/Fokker%E2%80%93Planck_equation). This paper introduces the famous equation now known as the “Fokker–Planck equation”; see also [Fok14].

**Planck:1917:VTG**

- [Pla17c] Max Planck. *Vorlesungen über Thermodynamik. (German) [Lectures on thermodynamics]*. Verlag von Veit & Comp., Leipzig, Germany, fifth edition, 1917. viii + 290 pp. LCCN QC311 .P7 1917.

**Planck:1917:TRMa**

- [Pla17d] Max Planck. Zur Theorie des Rotationsspektrums. 1. Mitteilung. (German) [On the theory of the rotational spectrum. First communication]. *Annalen der Physik (Berlin)*, 357(5):491–505, 1917. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic). URL <http://onlinelibrary.wiley.com/doi/10.1002/andp.19173570505/abstract>.



**Planck:1917:TRMb**

- [Pla17e] Max Planck. Zur Theorie des Rotationsspektrums. 2. Mitteilung. (German) [On the theory of the rotational spectrum. Second communication]. *Annalen der Physik (Berlin)*, 356(11):241–256, 1917. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic). URL <http://onlinelibrary.wiley.com/doi/10.1002/andp.19173581107/abstract>.

**Planck:1917:TRGa**

- [Pla17f] Max Planck. Zur Theorie des Rotationsspektrums. (German) [On the theory of the rotational spectrum]. *Verhandlungen der Deutschen Physikalischen Gesellschaft*, 19(5–6):43–47, March 30, 1917. CODEN VDPEAZ. ISSN 0372-5448. URL <https://hdl.handle.net/2027/coo.31924056113289?urlappend=%3Bseq=53>.

**Planck:1917:TRGb**

- [Pla17g] Max Planck. Zur Theorie des Rotationsspektrums. (German) [On the theory of the rotational spectrum]. *Annalen der Physik (Berlin)*, 357(5):491–505, 1917. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic).

**Planck:1917:TRGc**

- [Pla17h] Max Planck. Zur Theorie des Rotationsspektrums. (German) [On the theory of the rotational spectrum]. *Annalen der Physik (Berlin)*, 358(11):241–256, 1917. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic).

**Planck:1918:EAA**

- [Pla18a] Max Planck. Erwiderung auf die Ansprachen vom 26. April 1918 zu Max Plancks 60. Geburtstag in der Deutschen Physikalischen Gesellschaft. (German) [Reply to the speeches of 26 April 1918 for Max Planck's 60th birthday in the German Physical Society]. Unknown, 1918.

**Planck:1918:QAK**

- [Pla18b] Max Planck. Zur Quantelung des asymmetrischen Kreisels. (German) [On quantization of the asymmetric top]. *Sitzungsberichte der Preußischen Akademie der Wissenschaften: Physikalisch-Mathematische Klasse*, 50(??):1166–1174, December 5, 1918. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1919:AMP**

- [Pla19a] Max Planck. Ansprache von Max Planck. (German) [Speech by Max Planck]. *Sitzungsberichte der Preußischen Akademie der Wissenschaften: Physikalisch-Mathematische Klasse*, ??(??):1–8, ??? 1919. CODEN SPWPAL. ISSN 0371-2435.

**Planck:1919:WLG**

- [Pla19b] Max Planck. Das Wesen des Lichts. (German) [The beings of light]. *Die Naturwissenschaften*, 7(48):903–909, November 28, 1919. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic). URL <http://link.springer.com/article/10.1007/BF01485818>.

**Planck:1919:DWN**

- [Pla19c] Max Planck. Die Dissoziationswärme des Wasserstoffs nach dem Bohr–Debyeschen Modell. (German) [The dissociation of hydrogen according to the Bohr–Debye model]. *Sitzungsberichte der Preußischen Akademie der Wissenschaften: Physikalisch-Mathematische Klasse*, 48(??):914–931, November 27, 1919. CODEN SPWPAL. ISSN 0371-2435.

**Planck:1919:MHD**

- [Pla19d] Max Planck. Eine Mitteilung von Hrn. Dr. A. Lande i Oberhambach bei Heppenheim: Elektronenbahnen im Polyederverband. (German) [A message from the Hon. Dr. A. Lande in Oberhambach in Heppenheim: electronic orbits in linked polyhedra]. *Sitzungsberichte der Preußischen Akademie der Wissenschaften: Physikalisch-Mathematische Klasse*, 1(??):1, January 1, 1919. CODEN SPWPAL. ISSN 0371-2435.

**Planck:1919:EMD**

- [Pla19e] Max Planck. *Einführung in die Mechanik deformierbarer Körper: Zum Gebrauch bei Vorträgen, sowie zum Selbstunterricht.* (German) [Introduction to the Mechanics of Deformable Bodies: For use in presentations, as well as self teaching], volume 2 of *Planck: Einführung in die theoretische Physik*. Hirzel, Leipzig, Germany, 1919. 3 + 193 pp. LCCN QA935 .P53. URL <http://catalog.hathitrust.org/api/volumes/oclc/8314942.html>; <http://name.umdl.umich.edu/ABR6264>.

**Planck:1919:VTW**

- [Pla19f] Max Planck. *Vorlesungen über die Theorie der Wärmestrahlung.* (German) [Lectures on the Theory of Heat Radiation]. J. A.

Barth, Leipzig, Germany, third edition, 1919. x + 206 pp. LCCN QC331 .P7 1919.

**Planck:1920:WLV**

- [Pla20a] Max Planck. *Das Wesen des Lichts: Vortrag, gehalten in der Hauptversammlung der Kaiser Wilhelm-Gesellschaft am 28.10.1919. (German) [Particles of Light: Paper presented at the Annual Meeting of the Kaiser Wilhelm Society on 10.28.1919].* Springer-Verlag, Berlin, Germany / Heidelberg, Germany / London, UK / etc., second edition, 1920. 22 pp. LCCN ????

**Planck:1920:EBEa**

- [Pla20b] Max Planck. *Die Entstehung und bisherige Entwicklung der Quantentheorie. Nobel-Vortrag, (mit Lebenslauf). Gehalten vor der königl. Schwed. Akad. d. Wiss. zu Stockholm am 2.6.1920. (German) [The emergence and current development of quantum theory. Nobel Lecture, (with curriculum vitae). Held before the Royal Swedish Academy of Sciences in Stockholm on 2.6.1920].* J. A. Barth, Leipzig, Germany, 1920. 32 pp. LCCN ????

**Planck:1920:EBEb**

- [Pla20c] Max Planck. *Entstehung und bisherige Entwicklung der Quantentheorie: Nobelvortrag, gehalten vor der Königlich Schwedischen Akademie der Wissenschaften zu Stockholm am 2. Juni 1920. (German) [Emergence and current development of Quantum Theory: Nobel Lecture, held in front of the Royal Swedish Academy of Sciences in Stockholm on 2 June 1920].* Friedrich Vieweg und Sohn, Braunschweig, Germany, 1920. 14 pp. LCCN ????

**Planck:1920:GPS**

- [Pla20d] Max Planck. The genesis and present state of development of the quantum theory. Nobel Lecture, June 2, 1920, June 2, 1920. URL [http://www.nobelprize.org/nobel\\_prizes/physics/laureates/1918/planck-lecture.html](http://www.nobelprize.org/nobel_prizes/physics/laureates/1918/planck-lecture.html). The Nobel Prize in Physics for 1918 was awarded to Max Karl Ernst Ludwig Planck “in recognition of the services he rendered to the advancement of Physics by his discovery of energy quanta”.

**Planck:1921:AEC**

- [Pla21a] Max Planck. Absolute Entropie und chemische Konstante. (German) [Absolute entropy and chemical constant]. *Annalen der Physik (Berlin)*, 371(21):365–372, ??? 1921. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic).

**Planck:1921:PEE**

- [Pla21b] Max Planck. *Das Prinzip der Erhaltung der Energie. (German) [The principle of conservation of energy]*. Teubner, Stuttgart, Germany; Leipzig, Germany, fourth edition, 1921. xvi + 278 pp. LCCN QC73 .P6.

**Planck:1921:EAM**

- [Pla21c] Max Planck. *Einführung in die allgemeine Mechanik: zum Gebrauch bei Vorträgen sowie zum Selbstunterricht. (German) [Introduction to General Mechanics: For use in presentations, as well as self teaching]*, volume 1 of *Einführung in die theoretische Physik*. Hirzel, Leipzig, Germany, third edition, 1921. 226 pp. LCCN ????

**Planck:1921:HPQ**

- [Pla21d] Max Planck. Henri Poincaré und die Quantentheorie. (German) [Henri Poincaré and quantum theory]. *Acta Mathematica*, 38(1): 387–397, 1921. CODEN ACMAA8. ISSN 0001-5962 (print), 1871-2509 (electronic).

**Planck:1921:TT**

- [Pla21e] Max Planck. *Treatise on Thermodynamics*. Longmans, Green and Co., Ltd., London, UK, 1921. 272 pp. LCCN QC311 .P72 1921. Authorized English translation by Alexander Ogg of [Pla97f]. Reprint of [Pla03d].

**Planck:1921:VTW**

- [Pla21f] Max Planck. *Vorlesungen über die Theorie der Wärmestrahlung. (German) [Lectures on the Theory of Heat Radiation]*. J. A. Barth, Leipzig, Germany, fourth edition, 1921. x + 224 pp. LCCN QC331 .P7 1921.

**Planck:1921:VTG**

- [Pla21g] Max Planck. *Vorlesungen über Thermodynamik. (German) [Lectures on thermodynamics]*. Walter de Gruyter, Berlin, Germany, sixth edition, 1921. viii + 292 pp. LCCN QC311 .P7 1921.

**Planck:1922:AEC**

- [Pla22a] Max Planck. Absolute Entropie und chemische Konstante. (German) [Absolute entropy and chemical constant]. *Annalen der Physik (Berlin)*, 371(21):365–372, 1922. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic).

**Planck:1922:AMP**

- [Pla22b] Max Planck. Ansprache von M. Planck zur öffentlichen Sitzung zur Feier des Leibnizischen Jahrestages. (German) [Speech by M. Planck at the public session in celebration of Leibniz's anniversary]. *Sitzungsberichte der Preußischen Akademie der Wissenschaften: Physikalisch-Mathematische Klasse*, ??(??):1-7, ??? 1922. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1922:EBE**

- [Pla22c] Max Planck. *Die Entstehung und bisherige Entwicklung der Quantentheorie*. (German) [The emergence and current development of quantum theory]. Nörstedt, Stockholm, Sweden, 1922. 1-14 pp. Nobel Prize in Physics lecture, 2 June 1920.

**Planck:1922:EMD**

- [Pla22d] Max Planck. *Einführung in die Mechanik deformierbarer Körper: Zum Gebrauch bei Vorträgen, sowie zum Selbstunterricht*. (German) [Introduction to the Mechanics of Deformable Bodies: For use in presentations, as well as self teaching], volume 2 of *Planck: Einführung in d. theoret. Physik*. Hirzel, Leipzig, Germany, second edition, 1922. 3 + 193 + 1 pp. LCCN QA935 .P6 1922. URL <http://catalog.hathitrust.org/api/volumes/oclc/4703387.html>.

**Planck:1922:ETE**

- [Pla22e] Max Planck. *Einführung in die Theorie der Elektrizität und des Magnetismus*. (German) [Introduction to the theory of electricity and magnetism]. ????, Leipzig, Germany, 1922. ??? pp.

**Planck:1922:EVM**

- [Pla22f] Max Planck. Eröffnungsrede des I. Vorsitzenden M. Planck. (German) [Opening speech of the First Chairman M. Planck]. *Verhandlungen der Gesellschaft Deutscher Naturforscher und Ärzte*, ??(??):1-9, ??? 1922. CODEN VGDNAN. ISSN 0172-0651.

**Planck:1922:ODQ**

- [Pla22g] Max Planck. *The Origin and Development of the Quantum Theory*. Clarendon Press, New York, NY, USA, 1922. 23 + 1 pp. LCCN QC174 .P8. English translation by Hans Thacher Clarke and Ludwik Silberstein of the Nobel Prize address delivered before the Royal Swedish Academy of Sciences at Stockholm, 2 June, 1920.

**Planck:1922:PRG**

- [Pla22h] Max Planck. *Physikalische Rundblicke, gesammelte Reden und Aufsätze. (German) [A Survey of Physics; a Collection of Lectures and Essays]*. S. Hirzel, Leipzig, Germany, 1922. 2 + 168 pp. LCCN 4QC 27.

**Planck:1922:FEG**

- [Pla22i] Max Planck. Über die freie Energie von Gasmolekülen mit beliebiger Geschwindigkeitsverteilung. (German) [On the free energy of gas molecules with arbitrary velocity distribution]. *Sitzungsberichte der Preußischen Akademie der Wissenschaften: Physikalisch-Mathematische Klasse*, 8(??):63–70, March 9, 1922. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1922:VTG**

- [Pla22j] Max Planck. *Vorlesungen über Thermodynamik. (German) [Lectures on thermodynamics]*. Walter de Gruyter, Berlin, Germany, seventh edition, 1922. viii + 292 pp. LCCN QC311 .P7 1922.

**Planck:1923:GOQ**

- [Pla23a] Max Planck. ????. (German) [Observations on the quanta statistics of energy variations]. *Sitzungsberichte der Preußischen Akademie der Wissenschaften: Physikalisch-Mathematische Klasse*, ??(??):355–358, ??? 1923. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1923:ASS**

- [Pla23b] Max Planck. *Die Ableitung der Strahlungsgesetze: sieben Abhandlungen aus dem Gebiete der elektromagnetischen Strahlungstheorie. (German) [The derivation of the radiation law: seven treatises on the topic of electromagnetic radiation theory]*, volume 206 of *Ostwalds Klassiker der exakten Wissenschaften*. Akad. Verl.-Ges., Leipzig, Germany, 1923. 95 pp. LCCN ????

**Planck:1923:BAG**

- [Pla23c] Max Planck. Die Bohrsche Atomtheorie. (German) [The Bohr atomic theory]. *Die Naturwissenschaften*, 11(27):535–537, July 1923. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

**Planck:1923:ESP**

- [Pla23d] Max Planck. Die Energieschwankungen bei der Superposition periodischer Schwingungen. Bemerkung zur Quantenstatis-

tik der Energieschwankungen. (German) [Energy fluctuations in the superposition of periodic vibrations. Remarks on the quantum statistics of power fluctuations]. *Sitzungsberichte der Preußischen Akademie der Wissenschaften: Physikalisch-Mathematische Klasse*, ??(??):350–358, ???? 1923. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1923:EPR**

[Pla23e] Max Planck. Erwiderung von Planck auf die Reden von Ludendorff, Guthenick, Johnsen. (German) [Reply by Planck to the speeches of Ludendorff, Guthenick, Johnsen]. *Sitzungsberichte der Preußischen Akademie der Wissenschaften: Physikalisch-Mathematische Klasse*, ??(??):1–2, ???? 1923. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1923:GHR**

[Pla23f] Max Planck. Gedächtnisrede auf Heinrich Rubens. (German) [Memorial speech for Heinrich Rubens]. *Sitzungsberichte der Preußischen Akademie der Wissenschaften: Physikalisch-Mathematische Klasse*, ??(??):1–5, ???? 1923. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1923:KWV**

[Pla23g] Max Planck. *Kausalgesetz und Willensfreiheit. Vortrag i. d. preuß. Akad. Wiss. Berlin.* (German) [Law of causality and free will. Lecture at the Prussian Academy of Sciences, Berlin]. ???? , Berlin, Germany, 1923. 52 pp.

**Planck:1923:NBP**

[Pla23h] Max Planck. *Neue Bahnen der physikalischen Erkenntnis: rede Gehalten beim antritt des Rektorats der Friedrich Wilhelm-Universitaet, Berlin, am 15. oktober, 1913.* (German) [New paths of physical knowledge: speech held at the commencement of the Rector of the Friedrich Wilhelm University, Berlin, on 15 October 1913]. J. A. Barth, Leipzig, Germany, third edition, 1923. 27 pp. LCCN ????

**Planck:1923:VTW**

[Pla23i] Max Planck. *Vorlesungen über die Theorie der Wärmestrahlung.* (German) [Lectures on the Theory of Heat Radiation]. J. A. Barth, Leipzig, Germany, fifth edition, 1923. ix + 221 pp. LCCN QC331 .P7 1923.

**Planck:1924:APF**

- [Pla24a] Max Planck. Ansprache von Planck zur Feier des Jahrestages König Friedrichs II. (German) [Speech by Planck to celebrate the anniversary of King Frederick II]. *Sitzungsberichte der Preußischen Akademie der Wissenschaften: Physikalisch-Mathematische Klasse*, ??(??):1–8, ??? 1924. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1924:NWG**

- [Pla24b] Max Planck. Über die Natur der Wärmestrahlung. (German) [On the nature of heat radiation]. *Annalen der Physik (Berlin)*, 378 (3–4):272–288, ??? 1924. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic).

**Planck:1924:QBA**

- [Pla24c] Max Planck. Zur Quantenstatistik des Bohrschen Atommodells. (German) [On quantum statistics of the Bohr atomic model]. *Annalen der Physik (Berlin)*, 380(23):673–684, ??? 1924. CODEN ANPYA2. ISSN 0003-3804 (print), 1521-3889 (electronic).

**Planck:1925:PKW**

- [Pla25a] Max Planck. Das Prinzip der kleinsten Wirkung. (German) [The principle of least action]. *Die Kultur der Gegenwart*, ??(??):772–782, ??? 1925.

**Planck:1925:NSD**

- [Pla25b] Max Planck. Eine neue statistische Definition der Entropie. (German) [A new statistical definition of entropy]. *Zeitschrift für Physik*, 35(3):155–169, March 1925. CODEN ZEPYAA. ISSN 0044-3328. URL <http://link.springer.com/article/10.1007/BF01379996>.

**Planck:1925:EPA**

- [Pla25c] Max Planck. Erwiderung von Planck auf die Antrittsrede von Hahn und Bodenstein. (German) [Reply by Planck to the inaugural address of Hahn and Bodenstein]. *Sitzungsberichte der Preußischen Akademie der Wissenschaften: Physikalisch-Mathematische Klasse*, ??(??):1–2, ??? 1925. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1925:SPC**

- [Pla25d] Max Planck. *A Survey of Physics; a Collection of Lectures and Essays*. Methuen and Co. Ltd., London, UK, 1925. vii + 184 pp.



LCCN QC71 .P72. English translation by R. Jones and D. H. Williams of [Pla22h].

**Planck:1925:SEG**

- [Pla25e] Max Planck. Über die statistische Entropiedefinition. (German) [On statistical entropy]. *Sitzungsberichte der Preußischen Akademie der Wissenschaften: Physikalisch-Mathematische Klasse*, ??(?):442–451, ??? 1925. CODEN SPWPAI. ISSN 0371-2435.

**Planck:1925:VTZ**

- [Pla25f] Max Planck. Verhältnis der Theorien zueinander. (German) [Ratio of the theories to each other]. *Die Kultur der Gegenwart*, ??(?):816–822, ??? 1925.

**Planck:1925:RAG**

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**Planck:1932:MDB**

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**Planck:1933:WPE**

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[Pla34a] Max Planck. Das Prinzip von Le Chatelier und Braun. (German) [The law of Le Chatelier and Braun]. *Sitzungsberichte der Preußischen Akademie der Wissenschaften: Physikalisch-Mathematische Klasse*, ??(??):79–83, ????. 1934. CODEN SP-WPAI. ISSN 0371-2435.

**Planck:1934:PCBb**

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**Planck:1934:WPE**

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- [Pla35a] Max Planck. Ansprache von M. Planck, gehalten in der öffentlichen Sitzung am 27. Juni 1935. (German) [Speech by M. Planck, held at the public meeting on 27 June 1935]. *Sitzungsberichte der Preußischen Akademie der Wissenschaften: Physikalisch-Mathematische Klasse, ??(??):1–6, ???? 1935*. CODEN SPWPAI. ISSN 0371-2435.

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**Planck:1944:WPE**

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**Planck:1947:MBA**

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**Planck:1949:SAO**

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**Planck:1949:TEM**

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**Planck:1949:THB**

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**Planck:1949:TLB**

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**Planck:1952:PIK**

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**Planck:1952:WWN**

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**Planck:2010:VTG**

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**Planck:2012:THR**

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