

# A Selected Bibliography of Publications by, and about, Lord Ernest Rutherford of Nelson

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## Title word cross-reference

(100) [Tho84].  $1.0 - \mu$  [Gro89]. **\$1.50** [Dav37].  $1/2$  [Hei71].  $180^\circ$  [EFKS96].  
**\$23.00** [Dys05]. **\$25.00** [Dys05]. **\$4.75** [Ble57]. **\$50** [Pip01].  $5 \times 1$  [Yuh92].  
**\$7.00** [Bat72].  $+$  [SSWB80a, Sad81]. <sup>10</sup> [LMC97]. <sup>12</sup> [RR95]. <sup>14</sup> [RR95]. <sup>16</sup>  $\mathcal{O}$   
[RR95]. <sup>32</sup> [RRKH94]. <sup>4</sup> [MDJF83, ZB74].  $o$  [Mon66]. <sup>0.18</sup> [WVH<sup>+</sup>99]. <sup>0.25</sup>  
[TJRS03]. <sup>0.47</sup> [GRS<sup>+</sup>91]. <sup>0.53</sup> [GRS<sup>+</sup>91]. <sup>0.75</sup> [TJRS03]. <sup>0.82</sup> [WVH<sup>+</sup>99]. <sup>1</sup>  
[KKK<sup>+</sup>99]. <sup>1-x</sup> [KKK<sup>+</sup>99, PAF<sup>+</sup>98, Win94]. <sup>1.7</sup> [WVD<sup>+</sup>96]. <sup>1.8</sup> [LFA<sup>+</sup>04]. <sup>2</sup>  
[CSN<sup>+</sup>00, DMV<sup>+</sup>96, IFSI94, Ish83, NJS<sup>+</sup>03, NFM<sup>+</sup>07, OaHNM98, LFA<sup>+</sup>04,  
REJ86, Tho84, YKH<sup>+</sup>84]. <sup>3</sup>  
[Cat93, HGM<sup>+</sup>94, IFSI94, KKK<sup>+</sup>99, OaHNM98, RSdS<sup>+</sup>89, WZS<sup>+</sup>91]. <sup>4</sup>  
[WZS<sup>+</sup>91, YKH<sup>+</sup>84]. <sup>5</sup> [ESRDV84].  $x$  [KKK<sup>+</sup>99, PAF<sup>+</sup>98, Win94].  $a$   
[YKH<sup>+</sup>84].  $\alpha$  [Fea77, FR13g, GM09, GF10, GR12, Hei68, LMC97, OaHNM98,  
Rut05a, Rut05e, Rut05k, Rut05n, Rut05m, Rut06i, Rut06c, RH06a, Rut06h,  
RH06b, Rut06m, Rut06l, Rut06j, Rut07g, Rut07h, Rut07j, RG08d, RG08b,  
RG08a, RG08e, Rut08c, Rut08d, Rut08f, RR08e, RG09b, RG09a, RR09b,

RR09a, Rut09f, RR09d, RG10, Rut10f, Rut10g, Rut11i, Rut11j, RN13, RR13a, RR14, Rut19b, Rut19e, Rut19f, Rut19g, Rut19h, RC21a, Rut21e, RC22, Rut23m, Rut23n, Rut23o, Rut24l, RC25, RC27, Rut27l, Rut27a, Rut27b, Rut27c, Rut27d, Rut27h, RWL31a, RWL31b, Rut31d, Rut31c, RLB33, RWLB33, RK34, Rut66b, Rut66a, Rut10a, Rut12, WR31, vdB07].  $\approx 2$  [KSKF93].  $\beta$  [FR13g, Hei68, Mos12a, MR14, Rut05n, Rut11i, Rut11j, Rut12b, Rut12c, Rut12e, Rut12h, RR13f, Rut14k, RRR14, Rut14i, Rut14h, Rut66b, Rut12].  $c$  [IOI<sup>+</sup>11].  $\csc^4(\theta/2)$  [Ram75].  $\gamma$  [Cha12, CK33, MM12, MR14, Rut04f, RB05c, Rut12b, Rut12c, Rut12h, RR13b, RdCENdCA13, RR13e, Rut14k, RdCENdCA14b, RRR14, RdCENdCA14a, Rut14i, Rut14g, Rut14h, Rut14f, Rut31d, RE31, Rut31c, RB32, Rut33i].  $k$  [Bar85].  $m$  [IOI<sup>+</sup>11].  $n$  [Wuy91].  $\sqrt{3} \times \sqrt{3}$  [Yuh92].  $Z$  [MDJF83].

**-Al** [OaHNM98]. **-Compounds** [Adl97]. **-GaAs** [Wuy91]. **-graphite** [ESRDV84]. **-Particle** [Fea77, RG08d, RR09b, Rut23n, Rut23o, RG09a]. **-Particles** [RG08a, WR31, GM09, Rut07g, Rut19b, RC25, RC27]. **-plane** [IOI<sup>+</sup>11]. **-Rays** [Cha12, FR13g, Rut10f, RE31, Rut66b, CK33, Rut27l, Rut27h, Rut33i]. **-Si** [YKH<sup>+</sup>84]. **-Strahlen** [Rut06i, Rut31c]. **-Teilchen** [RG09b, Rut31c, vdB07]. **-Teilchens** [Rut07g, Rut08c, Rut08d, RG09a].

/Cu [LFA<sup>+</sup>04]. /Fe [KSKF93]. /Si [NJS<sup>+</sup>03].

**0** [Pip01]. **0-300-01465-1** [Bro86]. **0-340-23805-4** [Stu85]. **0-473-05700-X** [Ced00, Pip01]. **0-85274-759-4** [Stu85]. **0-85274-761-6** [Stu85].

**1-alkyl-3-methylimidazolium** [NOH<sup>+</sup>10]. **1-butyl-3-methylimidazolium** [OHN<sup>+</sup>09]. **100-letiju** [Kap73a]. **100m** [Fla17]. **100th** [Kap73a, Sch13]. **105s** [Bur64]. **107** [Wil74]. **12.50** [Sin81]. **128** [Szy85]. **12th** [Rut36h, Rut26f]. **14** [Rut31b]. **17.50** [Stu85]. **184.ℓ** [Sin81]. **1895-1896** [Rön58]. **1903** [Adl03]. **1904** [Rut05c]. **1908** [Ano09a, Jar08a, Rut08g, Tho08a, Tho08b]. **1909** [Rut09e, Rut12a, VRWB12]. **1911** [Ano06, Bad67, Bad85b, Str11]. **1913** [TGMR74]. **1926** [Rut27e, Rut27j]. **1927** [Rut26f, Rut28a, Rut28g]. **1928** [Rut29j, Rut29k]. **1929** [Rut30a, Rut30h]. **1930** [Ano31a, CDE<sup>+</sup>31b, Rut31a, Rut31e]. **1930s** [Stu79a]. **1931** [Rut31b]. **1933** [CCJ<sup>+</sup>34, Rut33h]. **1936** [Rut36h, Rut37a, Rut14]. **1937** [M.39]. **1947** [Ano48]. **1956** [Fle57]. **1957** [dCA58]. **1958** [Boh61]. **1961** [Bir61, Hay63, Raz63]. **1969** [WH72]. **1971** [Wyb72, Tre75b]. **1972** [Meh73]. **1974** [Lov75]. **1990** [Clo18]. **1er** [LRdB<sup>+</sup>23]. **1st** [LRdB<sup>+</sup>23].

**2** [Ten20]. **20.00** [Bro86]. **20th** [Meh73, Bre97]. **22** [Bad67, Bad85b, CCJ<sup>+</sup>34]. **2nd** [Rut33h].

**4-vinylpyridine** [HW92]. **40** [RRKH94]. **41** [Hwa83]. **'45** [Ree06]. **4H** [ZWJ<sup>+</sup>02].

**6H** [KIS<sup>+</sup>89]. **6H-SiC** [KIS<sup>+</sup>89]. **6th** [LRdB<sup>+</sup>23, Pei53].

**7059** [DJBW83].

**80th** [SR37]. **85-year-old** [Ten20].

**A.** [Rut05j]. **Abbey** [Ano37a, Ano37j, Wal18]. **ABC** [Wen53]. **Aberdeen** [Ano20b]. **ablation** [KKK<sup>+</sup>99]. **Ablenkbarkeit** [RG02a]. **Ablenkung** [Rut03b]. **above** [Ano38b, vBD89]. **absorbed** [Rut03b, Rut03f]. **absorbierbaren** [Rut03b]. **Absorption** [Cha12, Rut97a, Rut06a]. **Abstract** [Ano09a, Bau73a, Eld85, Nor79, Rut96a, Sar79, Tho84, HFD<sup>+</sup>99]. **Absurd** [Ano33a]. **Academic** [Ano18a, Rut34h]. **Academician** [Ano66a, Kap66b]. **Academy** [WH72]. **Accelerator** [DYF67, Wil74]. **Accepts** [Ano07]. **Accomplished** [Rut37b, Ano08a]. **Account** [Sod02, Sod03]. **accounts** [Sha87a]. **Accurate** [JBS12, OKR35b, SN05, SWZ<sup>+</sup>05]. **Achieved** [Ano22]. **achievements** [She17]. **Act** [Dun18]. **actinide** [BSS88]. **Actinium** [Ano06, Bol06, Rut07e, RWWW30, RWL31b, RB32, Rut88, RH06a, Rut06m, Rut07g, RR13b, Rut29g]. **Actino** [Hol30]. **Actino-uranium** [Hol30]. **Action** [Nia98, Rut00a, Rut09f, Rut00c, Rut00f, RR08d, Rut10g]. **Active** [HS89, Rut04l, Rut05p, RG08a, Rut12f, Rut13i, MF11, Rut00g, Rut00b, Rut01c, Rut02b, RS02j, RB05b, Rut06a, RB06a, RB06b, Rut13f, SBEO86]. **Activity** [Ano08a, Bar06, MG12, RP07, Sod04, Rut00c, RS02f, RS02j, Rut03c, Rut04c, Rut04k, Rut05h, RC19, Rut70d, Rut04, Rut07a, TMO<sup>+</sup>95, Tre79b]. **Actuels** [Rut05c]. **Adam** [Stu85]. **Additional** [Rut12c]. **additionnelle** [Rut12c]. **Additions** [CDE<sup>+</sup>31a]. **Address** [Rut09i, Rut23p, Rut27e, Rut27j, Rut28a, Rut29j, Rut29k, Rut30a, Rut30h, Rut31a, Rut31e, RCE<sup>+</sup>32, RSA<sup>+</sup>34b, RSA<sup>+</sup>34a, Rut09e, Rut23s, Ano38b, Rut28g]. **Addresses** [Kap80a, Ano20b]. **Advanced** [Ear66]. **Advancement** [Rut23p]. **Advances** [Rut08g, Sod03, Rut09d, Rut09l]. **Adventurer** [Sta03]. **AES** [Fow83]. **affected** [Tab97]. **After** [Ano37i, Bla50, Lau37, Ano37c, Coc46, DMPA08, Kae48]. **Ag** [REJ86]. **Age** [Ano22, Bad68, Rut88, Sno58, Stu18, Wat93, EMR07, JR13, Lew02, NL00, Rut29g, Sie11, Tip13]. **Ages** [Hol30, Cam79]. **ago** [Sea88, Sie11]. **Agricultural** [Ano38b]. **ahead** [Fla17]. **air** [FR18]. **Aires** [Pye78]. **Akademische** [Mos13b]. **aker** [Rut21d]. **Aktinium** [Rut07g]. **Al** [IFSI94, OaHNM98, PAF<sup>+</sup>98, PCK<sup>+</sup>08, TF89, TMJ<sup>+</sup>99, ZWJ<sup>+</sup>02]. **Al-implanted** [ZWJ<sup>+</sup>02]. **Al/GaAs** [TF89]. **Alan** [Dys05]. **Albert** [Kle10]. **Alchemist** [Ano19, Geo38, Kri19e]. **Alchemy** [Bad66, Cam14, Dav37, Rut37a, Rut37b, Rez38, Rut38b, RA45, Rut14, Dav37]. **Alchimiste** [Geo38]. **alchymie** [Rut38b]. **Alexandre** [Ano18e]. **al'fa**

[Rez24, Car98]. **al'fa-chasticy** [Rez24]. **Alfred** [Mon66]. **AlGaAs** [KG91]. **AlGaIn** [WYV<sup>+</sup>99]. **alhimija** [Rez38]. **alkali** [STB<sup>+</sup>01]. **alkaline** [HS39]. **alkémia** [RA45]. **alkyl** [NOH<sup>+</sup>10]. **Allen** [Bur64]. **Allibone** [Sei86, Stu85, Sen87, Tre75a]. **Alloy** [OaHNM98, TJRS03]. **alloys** [BBR80]. **AlN** [LCL<sup>+</sup>04]. **along** [McC19]. **Alpha** [Ano08a, Ano22, Mar61, Ano00a, Nia98, OH64, Roe95, Rut06k, Rut08a, RW16, Rut23k, RC24a, Rut24j, Rut26b, Rut26c, Rut26d, Rut26e, RWWW30, Rut70b, Tre76b, Tre79b, Wen53, Car98, Fea79, Leo05, Rez24, Rit92, RR09c, Rut12a, Rut16d, Tre74b, Tre74b]. **alpha-particle** [Fea79]. **Alpha-Rays** [RWWW30]. **Alpha-Teilchen** [Tre74b]. **Also** [Ano37j]. **alternative** [Lon03]. **alumina** [GR89]. **aluminized** [BP93]. **Aluminum** [Bau73a, And90, Bau73b, HV84, SER<sup>+</sup>01]. **alumnae** [Mor84]. **Alumni** [RSWE27]. **Amateur** [Har01]. **ambitions** [Bal21]. **American** [WH72, Bad05, Gri09, Lav14, Sla13]. **among** [Gri09, Wil83b]. **amorphous** [ATS86, REJ86]. **Amount** [Rut03a]. **Amplitude** [Mar72, Rut16e]. **Analogy** [Gre07, Lor88, SC13]. **Analysen** [MMKS<sup>+</sup>80]. **Analyses** [Mon66, Sen87, GR89, TGDS99, Wil83b]. **Analysis** [And90, Bra61, FLP<sup>+</sup>89, Hwa82, HHK87, LHB<sup>+</sup>09, MD69, MB90, RWWW30, RWL31a, RWL31b, RLB33, RWLB33, TGDS99, WVCW76, BJW97, BCM13, BP93, Bra98, CGL<sup>+</sup>94, Cat93, CCR<sup>+</sup>03, DMV<sup>+</sup>96, HV84, HHAMS93, KLL<sup>+</sup>90, KOHm94, LHNG14, LGF<sup>+</sup>99, Man82, MBS<sup>+</sup>04, MMKS<sup>+</sup>80, Par96, Phi83, PMCF<sup>+</sup>06, RMM<sup>+</sup>13, Reu81, RR13d, RR13f, SHAI09, Sha87b, SN05, STB<sup>+</sup>01, Sin93, Wuy91, ZWJ<sup>+</sup>02, Hwa83, RR13b, RR13e]. **analytical** [WM88]. **anatomy** [Sie11]. **Ancestry** [Ano06]. **Anchor** [Opp64]. **Andrade** [Aro65b, Opp64]. **angle** [DHS97, Kru75, Man77, WZS<sup>+</sup>91, vBD89]. **angles** [GM13]. **Angular** [RR95]. **Animals** [RMM<sup>+</sup>29]. **anion** [HW92]. **Anmerkung** [Rut05j]. **annealing** [BJW97, Bha82, CYM<sup>+</sup>03, DJBW83, GHCA91, LxW99, Lu87, MBS<sup>+</sup>04, Sad81]. **annihilation** [AAPN06, CYM<sup>+</sup>03, FTT96, vdK89]. **Anniversaries** [Bar71, Kha20, Kis82]. **Anniversary** [Ano12a, Rut27e, Rut27j, Rut28a, Rut28g, Rut29j, Rut29k, Rut30a, Rut30h, Rut31a, Rut31e, Sch13, Kap73a, Rut12a, VRWB12]. **Annotated** [Kay63]. **announced** [Ano17b]. **Annular** [RWLB33]. **annus** [Hug00]. **anodic** [Sha87b, TF89]. **anodized** [Eld85]. **Anomalous** [Rut19h, Rut10a]. **antecedents** [Fra05]. **Anticipating** [Gus12]. **Anxiété** [dB70]. **anxiety** [dB70]. **Apart** [Ano32b]. **Apfel** [Büh98b]. **Apparatus** [BR16, Ear66, LEM65, Mar61, SBEO86, Ter38, Wil74, Mar61]. **appeal** [Rut34m]. **Appl** [Hwa83]. **apple** [Büh98b]. **Application** [CLZ99, KT84, DJA<sup>+</sup>04, DBvdV87, Rut36a]. **Applications** [Her84, Moo78, Rut96b, Rut97b, RC12b, RMM<sup>+</sup>13, RC12a, Rut32a]. **Applied** [Wer23, Ano23b]. **applying** [FIY<sup>+</sup>99, IFSI94]. **appreciation** [Har01]. **Approximation** [Dem03]. **April** [LRdB<sup>+</sup>23]. **APS** [Ano10]. **Arbeit** [Rut05j]. **Arbeiten** [Hou30]. **arc** [Rut36a]. **archive** [Ano19a]. **archives** [Car98]. **archivi** [Car98]. **argon** [BVI88, GR89, Sku89]. **argon-bombarded** [BVI88]. **arranged** [NP38, NP40]. **Arrhenius** [Cra84].

**Arthur** [dR92, Coh88, Coh89, Coh91, Coh92, Fos49]. **Articles** [Kap80a].  
**Artificial** [GLR06, GLR12, GT95, Rut22a, Rut22b, Rut22c, RC24b, Rut24k, RC29, Rez25, RC21b, Rut24m, Rut33h, Rez23]. **Arts** [Ano18b, WH72].  
**Ascent** [Bro73a]. **ashes** [Wal18]. **Aspect** [Ell60]. **Aspects** [Rut07f, Rut27g, Bur13a]. **ASS** [Pip01]. **Assembly** [EFKS96]. **assessment** [Mor75]. **Assistance** [Rut34h]. **Assistant** [Kay63]. **Association** [Rut09e, Rut23p, Ano20a, Ano23b, Ano33b, Ano33c, RSWE27]. **Aston** [Dow08]. **Astrophysics** [Rig79]. **asymmetries** [CBZ<sup>+</sup>12]. **Atmosphäre** [RA02a]. **Atmosphere** [RA02b, RCW<sup>+</sup>26, RA02a, Rut02a, Rut26i, Rut26j, Rut26k, Rut26l]. **Atom** [AH13, dCA56a, dCA56b, dCA58, Ano08a, Ano15, Ano23b, Ano32a, Ano32b, Ano32c, Ano33a, Ano33b, Ano33d, Ano37i, Ano60, Ano09a, Ano11, Bir57, Ble57, BM66, Büh98a, CT65, Dro20, Ful13, Gar81, Gea62, Her72, Hug90, Kae36, Kra11, KH23, Lau37, Mon66, Nia98, Pod10b, Rod19, RN04, Rom60, Rom82, Rut09b, Rut09c, Rut09g, Rut09h, Rut11j, Rut13h, Rut14b, Rut14c, Rut24i, Rut34i, Sch13, Sil71, Sno58, Stu78, Tho08a, Tho08b, Til96, TGM74, Vil05, Wer23, AK15, dCENdCA64, Ano37d, Bre83, Bro73b, Cam11, Cat04, Fei11, Gar62, HRM79, HA84, Hei68, Hei81, Hei67, Her77, How58, McK62, Moo74, Pol60, Rez21, Rom97, Row55, Row57, Rut11i, Rut14e, Rut24d, Rut27l, Rut33f, Rut70f, Rut12, She17, Shi72, Sod20, Sod22]. **atom** [Sod04, Tre77b, Whe18, dCAH64, Rut66c, Sei86, Stu85, Aro65b, Dys05, Opp64, Sen87, Tre76a]. **Atom-Model** [Wer23]. **Atom-Powered** [Ano33a]. **Atom-Smasher** [Ano37i, Lau37]. **Atom-Theorie** [Rut09b, Rut09c]. **atoma** [Rez21]. **Atome** [Rut10a, Rut10b, Rut21d, vdB13]. **Atomes** [LRdB<sup>+</sup>23, Pia24]. **Atomic** [Ano06, Ano17, Boh63, BBSR69, Bur18, Cra84, Dar56b, F.33, FR13j, Gam29a, Jen11, Kow53, Kra12, Mon66, Mos14a, OaHNM98, Pei53, Pei97b, PBFt83, Ree06, LFA<sup>+</sup>04, Rus56a, Rut09k, Rut19a, Rut23a, Rut23b, Rut23c, Rut23d, Rut23e, Rut23f, Rut23g, Rut23h, Rut23i, Rut23j, Rut25a, Rut25g, Rut26f, Rut27a, Rut27b, Rut27c, Rut27d, RAC<sup>+</sup>29, Rut30b, Rut30c, Rut30d, Rut30e, Rut32a, RCE<sup>+</sup>32, Rut33a, Rut35d, Rut37g, RJ65, Rut70a, Rut70e, Rut70g, Rutxx, Sie11, Sod49, SM08, Tre75c, Ano23b, Bai13, Boh87, Cat12, CK33, CCJ<sup>+</sup>34, Dar56a, Gam28, Gam29b, Har38, Hou30, IFSI94, LHNG14, Pae15b, Par96, Pol60, Ree15a, Rez29, Rez32, Rut25f, RC25, Rut26b, Rut26c, Rut26d, Rut26e, Rut33i, Rut33j, Rut36f, Rut36h]. **atomic** [Sod13, Tab97, Mot63, Rez28, Rut09b, Rut09c]. **atomique** [Mon66]. **atomiques** [CCJ<sup>+</sup>34]. **atomism** [Rut09d]. **Atomistik** [Rut09d]. **Atomization** [ERM95]. **Atomkernes** [Gam28]. **atomkutatás** [RA45]. **Atommodell** [Pol60]. **atomnogo** [Rez29, Rez32]. **Atomnye** [Rez28]. **Atomphysik** [Har38]. **Atoms** [Ano32b, Cho01, CR12, Elf14, Pol60, Rut02f, Rut14a, Rut15i, Rut16b, Rut19a, Rut19e, Rut19f, Rut19g, Rut19h, Rut20a, Rut20g, Rut20e, Rut20f, Rut21e, Tho08a, Tre75d, Ano33c, Hei03, Rot74, Rut10a, Rut10b, Rut14d, Rut15g, Rut15h, Rut19b, Rut21d, Rut21f, Rut25d, Rut25e, Rut27h, Rut70a, Rut70c, Rut10a, vdB13, LRdB<sup>+</sup>23, Bad04a].

**Atomskerns** [Hou30]. **Atomtheorie** [Rut36f]. **Atomzertrümmerung** [Gam29b]. **Atoommodel** [Bur18]. **Attainment** [Mos13a]. **attempts** [Nav06]. **attract** [Fla17]. **audio** [BC16]. **Auger** [Bra98, BPSW91, Bur86, CSN<sup>+</sup>00, Fow83, Gro89, Kot91, PMCF<sup>+</sup>06, SBEO86, Sha87b, TGDS99, Wuy91, Yuh92, vdK89]. **August** [Hil17]. **Ausarbeitung** [Lüd13]. **ausgesandten** [Rut07g, RG09b]. **ausgesendeten** [RR13a]. **auspices** [Ano12a, CCJ<sup>+</sup>34, VRWB12]. **aussieht** [Büh98a]. **Australia** [Jen85]. **Authoritative** [Kae39]. **autobiography** [Hah67b]. **Autunite** [Rut15a]. **Avogadro** [Lee98, Mur01, Stu00]. **avril** [LRdB<sup>+</sup>23]. **Awakening** [Rom60, Rom82]. **Award** [Ano08b, Ano09a, Ano36a, Ano46a, Wil17]. **Awarded** [FR13a, Ano08g, Tes19]. **awards** [Adl12, Ano18e]. **azide** [WVCW76].

**B** [Hay63, Ihd64, Raz63, Rut28b, See65, Tre75b, Tre76a, LMC97, MM12, RR13d, RR13f, RdCENdCA14b, RdCENdCA14a, Rut14g, Rut14f, RW25]. **Ba** [FIY<sup>+</sup>99, IFSI94, KKK<sup>+</sup>99]. **Back** [Bau73a, Rut30f, Rut32c]. **Back-Scattering** [Bau73a]. **Background** [Cro74c, NP38, NP40, Ree15b]. **backscatter** [KKGW85, Sim82]. **Backscattering** [CLZ99, ERM95, EMVK90, MKM<sup>+</sup>07, JBS12, LHB<sup>+</sup>09, LGA<sup>+</sup>06, NOSK08, OaHNm98, LFA<sup>+</sup>04, SHCK96, ATS86, AAPN06, And90, Bar85, BJW97, BKP<sup>+</sup>06, Bau73b, BSS88, Bha82, BP93, Bra98, BPSW91, BVI88, Bur86, CGL<sup>+</sup>94, Cat93, CFMO12, CYM<sup>+</sup>03, CCR<sup>+</sup>03, Cle81, CSN<sup>+</sup>00, Con82, CCR85, CBZ<sup>+</sup>12, DJA<sup>+</sup>04, DGC07, DMV<sup>+</sup>96, DHS97, DJBW83, Eld85, EFKS96, ESRDV84, FGM<sup>+</sup>00, Fow83, FLP<sup>+</sup>89, FTT96, FIY<sup>+</sup>99, GHCA91, GR89, GC00, Gro89, GRS<sup>+</sup>91, HV84, HHAMS93, HKH96, HNS<sup>+</sup>11, Her84, HKM<sup>+</sup>09, HW92, HGM<sup>+</sup>94, Hwa82, Hwa83, IYT<sup>+</sup>09, IFSI94, Ish83, IOI<sup>+</sup>11, KB93, KKK<sup>+</sup>99, KOhM94, KBvB<sup>+</sup>05, KSKF93, KIS<sup>+</sup>89, KY11, Kot91, KG91, LHNG14, LRF86, LDLM91, Lia80, LMC97, LxW99, Lu87, LCL<sup>+</sup>04, MDJF83, MB90, Man82, MCJK90, MBS<sup>+</sup>04, MMKS<sup>+</sup>80, NJS<sup>+</sup>03, NFM<sup>+</sup>07, NOH<sup>+</sup>10, NMSK13, Nor79, NBG<sup>+</sup>84, Oeh86, OHN<sup>+</sup>09, Par96]. **backscattering** [PAF<sup>+</sup>98, PPA<sup>+</sup>02, PBFt83, Phi83, PNFO88, PMCF<sup>+</sup>06, PCK<sup>+</sup>08, RMM<sup>+</sup>13, RSdS<sup>+</sup>89, Rei79, REJ86, Reu81, Rot74, SSWB80b, SSWB80a, Sad81, Sar79, SER<sup>+</sup>01, SHAI09, SBEO86, Sha87b, SN05, SWZ<sup>+</sup>05, SCP<sup>+</sup>91, STB<sup>+</sup>01, Sin93, Sku89, SLA<sup>+</sup>00, SDD<sup>+</sup>08, SPL<sup>+</sup>08, Tab97, TCZY97, TF89, TMJ<sup>+</sup>99, Tho84, TGP11, TGDS99, TJRS03, Vas90, WCGC86, WZS<sup>+</sup>91, Wan96, WV07, Whi82, Wie78, Wil83b, WVCW76, Win94, WM88, WVD<sup>+</sup>96, WVH<sup>+</sup>99, WYV<sup>+</sup>99, WCZ<sup>+</sup>02, Wuy91, Yuh92, ZWJ<sup>+</sup>02, ZCS<sup>+</sup>12, ZB74, vIS89, vdK89]. **backscattering-ion** [HKH96]. **backscattering/channeling** [LCL<sup>+</sup>04, Phi83, TJRS03, WVH<sup>+</sup>99, WYV<sup>+</sup>99, WCZ<sup>+</sup>02]. **Backstory** [Kri19b]. **Badash** [Hei71, Oes70, Szy85, Bro86, Fea70, Tre77a, Vuc86]. **BaF2** [Phi83]. **Baker** [Rut21d]. **Baker-Vorlesung** [Rut21d]. **Bakerian** [Cha33, Rut04l, Rut05p, Rut20g]. **Balance** [RC12b, RC12a]. **balls** [Lor88]. **Banquetted** [Ano08e]. **bare** [CS19]. **Barium** [HS89]. **Baron**

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[BBR80, Eld85, Bra98, Cat93, FLP+89]. **Compositional** [ATS86, Sha87b].  
**compound** [PBFt83]. **Compounds**  
[Adl97, Rut00a, RS02c, RS02i, ESRDV84, Rut00g, Rut00b, Rut00c, Rut00e,  
Rut00f, RS02f, RS02k, RS02j, RS02l, RS02m, WV07]. **Comprehensive**  
[WVD+96]. **comprising** [Rön58]. **Computer** [TJRS03]. **Concentration**  
[Rut04c, MCJK90, Rut04d]. **concentrations** [PBFt83]. **Concept**  
[Wil64, O'H75]. **conception** [Meh73]. **concepts** [Lon03]. **conceptual**  
[Bur13a]. **Concerning** [Gor55, HS39]. **concrete** [Lor88]. **condensation**  
[RS02d, RS02e, RS03a, Rut09j]. **conducting** [MCJK90, Rut01e].  
**Conduction** [Rut99, Tho03, Tho06, TT33, TT69]. **conductivity**  
[Rön58, Rut00d]. **Conference**  
[Bir61, Fre12, Hay63, Raz63, Rut11a, Rut13c, Rut13d, AK15, Far01].  
**conferences** [WH72, Wei90]. **Cong** [Rut05c]. **congratulations** [SR37].  
**Congress** [Str11, Ano38b, Rut38c]. **Conjecture** [FR13b]. **connections**  
[Clal3]. **Connexion** [Rut14k, Rut14i]. **conseil** [CCJ+34, LRdB+23].  
**Consensus** [Jen00, Lev17]. **consequences** [Pae15a]. **Conservation**  
[Ano32b]. **consideration** [CSW97]. **Considérations** [Hei34, Hei34].  
**Constant** [Mur01]. **Constants**  
[Ano31a, CDE+31a, CDE+31b, CDE+31c, Rut14l, HKM+09, HW92, Rut14j].  
**Constituents** [Pei53, Tre71a]. **Constitution**  
[Ano15, FR33, Gam30, Rut20g, Rut20e, Rut29i, Rut15m, Rut15n, vdB13].  
**Contact** [GRS87, Kot91]. **contacts** [Gro89, Man82, Wuy91].  
**contemporanea** [Seg76]. **contemporary** [Seg76]. **contenus** [RB06a].  
**Contest** [Ano99]. **continued** [dR92]. **continuity** [Oli84]. **Contributing**  
[Hon03]. **contribution** [DMPA08]. **contributions** [Cla13, FH60].  
**Controversies** [Kra76]. **Controversy** [Jen00, Rut06g, Hug93]. **Convention**  
[RSWE27]. **conversion** [Rut11h]. **convincing** [Ram75]. **Coolidge**  
[RB15, RBR15, Rut17]. **copper** [HV84, HHAMS93, PNFO88, RKL88].  
**copper-aluminum** [HV84]. **Corning** [DJBW83]. **correct** [She17].  
**Corrections** [CDE+31a, Poo52]. **Correlation** [Wil83b, Win94, Bur86].  
**Correlations** [SCP+91]. **Correspondence** [Jen85, Tre77a, Bad74]. **CoSi**  
[DMV+96, Ish83]. **Cosmical** [Rut07f]. **Cosmos** [Ano32a]. **could** [Ten20].  
**Coulomb** [Mar72, RR95]. **Council** [Rut34h]. **counter** [Kor12]. **counters**  
[Lew79]. **Counting** [RG08a, RG08e, RG08c, RG09b]. **Countries**  
[Zim69a, Zim69b]. **Country** [Eck20, Jew19]. **counts** [Glo20]. **course**  
[Man76]. **cow** [ESWW82]. **Cr** [SCP+91]. **Crazy** [Ano05, Arr06]. **Creating**  
[Vil05, Whe18]. **Creation** [Hes00, Kra18]. **creativity** [Kim02]. **Crick**  
[Gri09]. **critique** [EMR07]. **Crocodile** [Mac97, Dow08]. **Crookes** [Mon66].

**Cross** [LMC97, ST76, Bab71, Far87, RRKH94, RR87, Wil83b, ZB74].  
**cross-cultural** [RR87]. **cross-section** [Wil83b, ZB74]. **Crowe** [Ano59].  
**Crucible** [Far16]. **Crystal** [Dav71a, Hil17, Fow83, KIS<sup>+</sup>89, Whi82].  
**Crystallites** [OaHNM98]. **Crystallography** [Sar79]. **Crystals**  
 [Dav71b, MKM<sup>+</sup>07, RdCENdCA13, Rut15a, Rei79, Rut15b]. **Csaba** [Gri09].  
**CT** [Szy85]. **Cu** [FIY<sup>+</sup>99, IFSI94, LFA<sup>+</sup>04, SCP<sup>+</sup>91]. **Cu/Co** [SCP<sup>+</sup>91].  
**Cu/Cr** [SCP<sup>+</sup>91]. **Cu/Ni** [SCP<sup>+</sup>91]. **Cu/NiB** [SCP<sup>+</sup>91]. **Cu/Pd** [SCP<sup>+</sup>91].  
**Cu/Pt** [SCP<sup>+</sup>91]. **Cu/Ti** [SCP<sup>+</sup>91]. **Cu/TiN** [SCP<sup>+</sup>91]. **CuI** [Rei79].  
**cultural** [RR87]. **Culture** [Dyl20b, Lav14]. **Cuprate** [CLZ99]. **Curie**  
 [Mon66, Whe04, DMPA08, Gri09, Pre05, Rad13, Ril70, Rut34f, Rut35j, SG85].  
**Curies** [Bad65, Bre00, Kae48, Rei71]. **currency** [Gib17]. **current**  
 [CBZ<sup>+</sup>12, Rut01e, Rut05c]. **curriculum** [Coh95]. **Curve** [Gam30]. **Czech**  
 [Rut38b].

**D** [Ano32b, Poo52, Sch31, YKH<sup>+</sup>84, RR13e, YKH<sup>+</sup>84]. **D.Sc**  
 [Ano36a, Ano46a]. **Dag** [Sno67, Sno68]. **dagegen** [CSW97]. **Dagli** [Car98].  
**Dalton** [Kra14b]. **Damage**  
 [ZWJ<sup>+</sup>02, BKP<sup>+</sup>06, PAF<sup>+</sup>98, SSWB80b, SSWB80a, Sad81]. **damping**  
 [AB09]. **dangerous** [Ber07]. **dans** [RB06a]. **dark** [BC16, Dow08]. **Darwin**  
 [Ano18f, Wal18]. **Data** [KLL<sup>+</sup>90, BJW97]. **Dating** [Bad68, Lew02]. **David**  
 [Sei86, Tre85, Stu85]. **Dawn** [AM95]. **Dawons** [Stu79b]. **Dawson** [Sin81].  
**Day** [Ano32a, Dev91, Mas72]. **Days**  
 [dCA68, Oli72a, Rut24c, Rut32b, Bat72, Tre73]. **Dead** [Ano37i, Lau37].  
**Deadly** [Har05]. **Dear** [Coh88, Coh89, Coh91, Coh92, Cam97, dR92]. **Death**  
 [Ano37d, Ano37c, Ano37b, FR13c]. **debate** [Rez29, Rez32]. **debonding**  
 [RKL88]. **decade** [Mor84]. **Decay** [Bur83, Jen00, RT09, Sut19]. **December**  
 [Rut31a, Rut31e, Rut31b]. **decimal** [Gib17]. **decomposition** [CCR<sup>+</sup>03].  
**Deconvolution** [Tab97]. **découverte** [Mon66]. **découvertes** [Mon66].  
**Decrease** [FR13e]. **Defect** [Gam30, Wil83b]. **defects** [CYM<sup>+</sup>03, FTT96].  
**deflectability** [RG02a]. **Deflection** [HBA77, Rut06c, Rut03b]. **deflexion**  
 [GM13]. **degradation** [vIS89]. **degree** [Ten20]. **delay** [Spe19]. **delivered**  
 [Ano12a, Rut12a, Rut33h, Rut36h, Rut37a, Rut14, VRWB12]. **della** [Car98].  
**Demonstrate** [Gre07]. **Demonstration** [LEM65, Sta61, Ram75]. **densities**  
 [Sim82]. **density** [DHS97, KB93, KBvB<sup>+</sup>05, Wil83b]. **Department**  
 [Ano12a, VRWB12]. **depend** [Rut04c, Rut04d]. **dependence**  
 [WCZ<sup>+</sup>02, Rut01e]. **dependent** [IYT<sup>+</sup>09]. **Deposited**  
 [KEJ87, Bur86, Hwa82, Hwa83, TGP11]. **Deposition** [LFA<sup>+</sup>04, Sin93].  
**Depression** [Wei70]. **Depth**  
 [AAPN06, LRF86, LCL<sup>+</sup>04, PPA<sup>+</sup>02, TGP11, WCZ<sup>+</sup>02, ZCS<sup>+</sup>12, BSS88,  
 IYT<sup>+</sup>09, KB93, PMCF<sup>+</sup>06, Rot74, SWZ<sup>+</sup>05, SLA<sup>+</sup>00, Wil83b, Win94, vIS89].  
**Depth-resolved** [AAPN06]. **depths** [Rom97]. **deren** [Rut11e]. **Derivation**  
 [Dem03]. **description** [Bri31, Cat12]. **Design** [BELG68]. **dessus** [Mon66].  
**detail** [Oak19]. **detect** [Nav06]. **Detected** [Ano08a]. **Detecting**  
 [BR16, Rut15f]. **detection** [Kat12, SHAI09, Sin93]. **Detector**

[Hes00, Mur13, Rut96b, Rut97b, Rut96a]. **detectors** [Lew79].  
**Determination** [DHS97, JBS12, OKR35b, Rot74, Wan96, Cat93, CSN+00, ESRDV84, Rut09k, Rut15d, SWZ+05, Sim82, Tho84, Wil83b]. **determined** [PBFt83, PNFO88]. **Deuterium** [CR12]. **deuteron** [Stu86a]. **Devant** [dB70]. **Developer** [RKL88]. **Developer-induced** [RKL88]. **Developing** [Zim69a, Zim69b]. **Development** [All64, Bra61, GRS87, Kae39, Meh73, Tan77, TCZY97, Tre71b, Bad87, Fra05, Har38, Rut36b, Rut36i, Rut37c].  
**Developments** [Boh61]. **Devable** [RG02b]. **deviation** [Rut03f]. **device** [Glo20]. **devices** [CBZ+12]. **Devons** [Hug08, Kay63]. **Dfl** [Bat72].  
**Diagnosed** [MKM+07]. **diagnostic** [HFD+99, RFF+01, YHS97].  
**diagnostics** [DBvdV87, SML91]. **diaphragm** [Rut16e]. **dichroic** [RMM+13].  
**Dictionary** [DG99]. **did** [Bat72, Jen11]. **didn't** [Jar08a, Jar08b]. **Died** [Ano19, Fle57]. **Dies** [Ano37i, Lau37]. **diferentes** [dAMxx]. **difference** [Rut04b, Rut05b]. **Differences** [RT09]. **Different** [Elf14, BP93, dAMxx, Mor18, RBR15, SSWB80a]. **diffraction** [BBR80, CYM+03, CCR85, DHS97, HV84, KKK+99, KSKF93, PAF+98, SDD+08, WVH+99, WYV+99, Yuh92]. **diffuse** [GM09]. **Diffusion** [HKM+09, SER+01, MBS+04, TMJ+99]. **Dimensional** [BCM13].  
**dimensions** [Bar83]. **Dinner** [Ano09a]. **dioxide** [LRF86]. **Dirac** [Lak96].  
**Direct** [Cat93]. **Direction** [BR16, Coc63, Aro66, Osg66, Rut01e, Rut15d, Seg62, Seg64, Seg66].  
**Discharge** [Coo13, Rut98, Rut01f, Rut01a, Rut08e]. **Discharges** [Rut94, Rut5 ]. **Discovered** [Ano19]. **Discoverer** [MM03, RCRC04].  
**Discoveries** [Kra76, Bra09, Pae15a, Seg76, Seg80a]. **Discovering** [Ano99, Tem89]. **Discovery** [And64, And81, Ano09a, Ano22, Ano32c, Ano00b, Ano06, CR12, Dar56b, FW67, Gen95, Gra64, GLR06, GLR12, GT95, HHK87, Mal71, Mon66, Rog13, Rom64, Rut66b, Bad83, Cam19, Car98, Cla13, Dar56a, DMPA08, FW85, Gan17, GA71, Kae48]. **discrete** [Sad81].  
**discursive** [dAMxx]. **discursivos** [dAMxx]. **Discussion** [Gam29a, GRR+31, Rut14d, RCW+26, RAC+29, RMM+29, RCE+32, RSA+34b, RSA+34a, RJ65, Rut70e, Rad13, Rut03g]. **discussions** [CCJ+34, LRdB+23]. **Disintegration** [Ano23b, CW32, Rut04m, RC21a, Rut22a, Rut22b, Rut22c, Rut22d, RC24b, Rut24k, Rut25a, RC29, Sod04, Tre71b, Tre71a, Rut04a, RC21b, RC22, Rut24m, Rut34g]. **Diskussija** [Rez29, Rez32]. **dispersive** [Bar85, Sku89]. **display** [Whe18]. **Dispute** [Kra18]. **Distinction** [Ano23b]. **Distinctions** [Ano66d, O'S71, O'S72].  
**distorted** [Wie78]. **distortion** [WCZ+02, ZCS+12]. **distortions** [Cle81].  
**Distribution** [LGA+06, Rut06b, LCL+04, Rot74, RG10, TGP11, Wil83b, Rut06b, Rut06n].  
**distributions** [RR95]. **Divergence** [Mar72]. **dnja** [Kap73a]. **Do** [Rut10a, Rut10b]. **doctorate** [Lüd13]. **document** [Lüd13]. **documentary** [Cam14, GA71]. **Does** [Rut04c, Rut04d, ZB74, MDJF83]. **Dominion** [Ano38a]. **done** [Ano18a]. **Doomsday** [Ano05]. **door** [Ten20]. **Dopant** [MCJK90]. **Doped** [MKM+07, Lu87]. **double** [Sad81]. **doubts** [Ano23b].

**d'ouvrages** [Mon66, Sen87]. **Down** [Ano33b]. **Dr.** [Ano09c, Ano22, Ano32b]. **Drafting** [Lüd13]. **Drawings** [Mar61]. **Dream** [Ano22]. **driven** [DJA<sup>+</sup>04]. **Drop** [Ano94, Stu94]. **drug** [Mor75]. **Duality** [NM12]. **d'uranium** [RB06a]. **durch** [BR11a, BR11c, Lüd13, RR12]. **durchdringende** [Rut02c]. **During** [EMVK90, BC16, Hah62, Lu87, MBS<sup>+</sup>04, Mor18]. **Dutch** [Bur18].

**E.** [Aro65b, Rad13]. **Each** [Ano32b]. **Early** [Adl97, Bai13, Her72, KT88, Kra11, Lav14, Lew79, Nav06, Rut24c, Tre71b, Kau86, Kra13, Rut32b, Wil60]. **Earth** [Eva96, FF17, BSS88, HS39, Bad68, EMR07, Lew02, RC03, Rut05l, Rut29g, Rut88]. **earthquakes** [Cam14]. **easily** [Rut03b, Rut03f]. **easily-absorbed** [Rut03b]. **Eastbourne** [Fle57]. **Eclipse** [Sta03]. **Ed** [Hei71, Ihd64, Stu85]. **Eddington** [Sta03]. **Edited** [Sin81]. **edition** [Poo52]. **Editor** [Hay63, Hub13, Rut35a, Ale46, Mos14a]. **Editorial** [RSWE27]. **eds** [Eck20, Stu79b]. **Effect** [RB03a, RB03b, RB04a, Rut04e, RP07, Rut19h, Rut29i, Cla13, GHCA91, RB04c, RB05c, RR13c, Rut10a]. **Effects** [ERM95, OHR34a, OHR34b, Rut12f, RB04b, vIS89]. **Efficiency** [RB15]. **Efforts** [Kae36]. **Egdell** [Eck20]. **Ehrendoktorwürde** [Lüd13]. **Ehrenfest** [Kle10, Pia24]. **Eigenschaften** [Rut05j, Rut06i]. **Einfluss** [Rut01b]. **einige** [Rut06i]. **Einstein** [Sno67, Sno68, Bou99, Bru79, HW96, Kle10, Sha87a]. **Elastic** [WVH<sup>+</sup>99, DY68, RRKH94, RR95, SHAI09]. **Electric** [Rut06c, Rut26g, Rön58, Rut01e, Rut03b, Rut03f, Rut36a]. **Electrical** [Rut96b, Rut97b, Rut99, RG08a, Rut23l, Rut23r, Rut23q, RCW<sup>+</sup>26, Rut26h, Rut96a, Rut00d, RG08c, RG09b, Rut23s, Rut24a, Rut24b, Rut25i]. **Electricity** [Rut01f, Rut01a, Rut08e, Rut20b, Rut20c, Rut20d, Rut21a, Rut21b, Rut21c, Rut22e, Rut22f, Rut22p, Rut25b, Tho03, Tho06, TT33, TT69, Whe04, TR96]. **Electrification** [Rut97a, Rut98]. **électrique** [RG08c]. **electroless** [Man82, PNFO88]. **Electromagnetic** [Rut35f, Rut35g, Rut35h, Rut35i]. **Electron** [And64, And81, Cha64, Coo13, FGM<sup>+</sup>00, Fow83, Rut19d, Rut21h, WMT01, BKP<sup>+</sup>06, Bra98, BPSW91, Bur86, CGL<sup>+</sup>94, CSN<sup>+</sup>00, GR89, Gro89, HBA77, Ish83, Kot91, LHNG14, Lu87, MB90, O'H75, Phi83, PMCF<sup>+</sup>06, Rei79, SSWB80b, SSWB80a, Sad81, SBEO86, Sin93, Stu83, WV07, Wil83b, Wuy91, Yuh92, vdK89]. **Electronic** [KT84]. **Electronics** [McG84]. **Electrons** [Ano23b, Rut23k, WR31, LRdB<sup>+</sup>23, Rut10a, Rut10b, Rut24l, Pia24, LRdB<sup>+</sup>23]. **Electrostatic** [ESWW82]. **Electrotechnical** [Ano12b]. **elektrische** [Rut03b, RG09b, Rut24a, Rut24b]. **Elektronen** [Rut10a, Rut10b]. **Element** [Rut22g, Sto97, Ber07]. **elemental** [IYT<sup>+</sup>09, LGF<sup>+</sup>99, PBFt83]. **Elementary** [Boa07, Cam97, KH23, Sod04, Wic65, Rut34g]. **Elemente** [Rut04a, vdB07]. **Elements** [Ano22, Ano33b, Ano37i, EC13, Eva96, Fow72, HHK87, Jaf71, Jaf72, Kra76, Kra18, Lau37, Mos13c, Mos14b, OR33, OKR35a, Rut91, RC21a, Rut22a, Rut22b, Rut22c, Rut22d, RC24a, RC24b, Rut24k, Rut37b, RS66, Rut38f, Sar27, SL90, Kra13, Rez23, Rez25, Rut04m, Rut04a, Rut15m, Rut15n, Rut16c, RC21b, RC22, Rut24m, Rut33h, Rut33d, Rut33e, Rut33g,

Rut37e, Rut37f, Lor70e, Lor70f, Sea88, Seg80b, Wel90, vdB07, vdB13].  
**Elephant** [Mac97]. **Elettrica** [MSB<sup>+</sup>37]. **Elizabeth** [Eck20]. **Ellipsometric** [BVI88]. **ellipsometry** [BKP<sup>+</sup>06, CSN<sup>+</sup>00, SPL<sup>+</sup>08, TGDS99]. **Ellis** [Poo52, Sch31]. **Ellyard** [Sei86]. **Elsevier** [Bat72]. **Emanation** [Rut03a, RB03a, RB03b, Rut04g, Rut04h, Rut04o, Rut08i, RR08b, Rut09a, RT09, RB32, RS02k, RS02j, RS02l, RS02m, RS02i, Rut04e, RB04b, RB04c, RR08d, RR08a, Rut08h, RR08c, Rut09j, RR12, RR13c, RR07, RR08a].  
**Emanationen** [Rut01b]. **Emanations** [Rut01c, Rut06a, Rut01b, RS02d, RS02e, RS03a, RG11]. **emergence** [Pol60].  
**Emerging** [Gus12, Hon03]. **émises** [RH06a, RG08c]. **emissions** [RR07].  
**Emitted** [Mos12a, RWL31b, GF10, Rut00g, Rut00b, Rut00e, Rut07g, RG08c, RG09b, RR13a]. **emittierte** [Rut00e]. **end** [Kru75, Man77]. **Enduring** [Lon16a]. **energetic** [vBD89]. **Energia** [MSB<sup>+</sup>37]. **Energie** [RM00b, RM00b, Mon66, Rut07h]. **Energies** [Elf14, BP93]. **Energy** [Ang00, Ano22, Ano23b, Ano32a, Ano32b, DYF67, EMVK90, Hes00, Jen11, OKR35b, RM00b, RM00a, RM01, Rut12e, Rut24i, RC29, Rut35k, Seg85, Sod49, Bar85, BVI88, DJA<sup>+</sup>04, HKH96, Kri16, MB90, RR95, Rut07h, Rut07j, Rut36c, Rut36d, Rut36e, SWZ<sup>+</sup>05, Sku89, TCZY97, WM88, Yuh92, vdK89, Ano32c, RM00b, Mon66, Tre75a]. **England** [Stu79b, Ano07, Ano18c, She17].  
**English** [Hei74]. **enhanced** [Sin93]. **Enrichment** [MKM<sup>+</sup>07, DGC07, Shi88].  
**Enrico** [GLR06]. **entertaining** [Hil17]. **entstehenden** [HS39]. **Entstehung** [Pol60, Rut31d, Rut31c]. **Entwicklung** [Har38]. **environment** [Mer96].  
**epilayers** [LDLM91]. **Episodes** [Eva96, Fea77, Bra09, Fea79]. **epitaxial** [Phi83]. **epitaxy** [CFMO12]. **Epoc** [Fea62b]. **Era** [Cro74b, Lon16c, Lon16d].  
**erbium** [TJRS03]. **Erdalkalimetalle** [HS39]. **eredményei** [RA45]. **erhielt** [CSW97]. **Erinnerungen** [Rut32b]. **Ernest** [Ano12a, Ano19, Ano23b, Ano66b, Bad04b, Bad09, Boh26, Büh98a, Cha65, Cra71, FR13i, Gar62, Hah62, Har38, Hub13, Lüd13, Mil13, Mur13, RSWE27, Rut26a, Sch31, Seg80c, dR92, dCA68, Ano36b, Ano66d, Ano66c, Ano71a, Ano09b, Ano09c, Ano16, Ano18d, Ano19a, Ano21, Anoxxa, Anoxxb, Bad71, Bad75, Bad04a, Bad08, Badxx, Bal21, Ble99, Bod20, Bro62, Büh98a, Cam97, Cam98, Cam19, Coh88, Coh89, Coh91, Coh92, Coh97, Dea03, Far63a, FR13c, FR13d, Fla17, Flo70, Gra02, Gri09, Hah67a, Hei03, Hil17, Hop21, Kap80c, KS76, Lab38, Lai37, Lee98, Low79, Lüd13, Mac11, Mar38, MM03, McK62, Moo74, O'S71, O'S72, Ole81, Opp64, Poo52, Pri08, Ree08, Ril70, Row55, Row57, Sie11, SN67, Stu00, Sut01, del79, Ano60, Bir57, Ble57]. **Ernest** [Tre76a]. **Ernests** [Oli66a, Oli66b, Oli85b]. **Errata** [Ano94]. **Erratum** [Hwa83]. **erregte** [Rut02e, RA02a]. **erregter** [Rut02d]. **ErSi** [WVD<sup>+</sup>96].  
**Erzeugung** [BR11a, BR11c, RM00b]. **Essay** [Ano64]. **Essays** [Boh63, Boh87]. **establishing** [Clo18]. **Estestvennoe** [Rez25]. **etched** [O'C17, Oeh86]. **Europe** [Dro20, Ano18a, Rod19]. **European** [Pye78].  
**europium** [RSdS<sup>+</sup>89]. **evaluate** [SSWB80b]. **evaluated** [Ano71b].  
**Evaluation** [Cle81, IOI<sup>+</sup>11, KIS<sup>+</sup>89]. **evaporated** [LGF<sup>+</sup>99, SBEO86]. **Eve** [Rut05j, dR92, dR92, Coh88, Coh89, Coh91, Coh92, Fos49, Lin40, Rut05j,

Swa40, Coh40]. **Even** [Mil95]. **events** [Cam19]. **Everyone** [Hil17].  
**Evidence** [TGMR74, DJBW83]. **Evolution**  
 [CT65, Fow72, Rut91, Rut15m, Rut15n, ZWJ<sup>+</sup>02]. **exactly** [EFKS96].  
**Exchange** [MBS<sup>+</sup>04, HFD<sup>+</sup>99, HW92, STB<sup>+</sup>01]. **Exchange-diffusion**  
 [MBS<sup>+</sup>04]. **Excited**  
 [Rut01d, RA02b, Rut02d, Rut02e, RRR14, Rut14h, RA02a, Rut02a, Rut03h].  
**Exeter** [Nix19]. **Exhibition** [Rut15a, Whe18, Ano17c]. **Exiles**  
 [Rut34k, Rut34n]. **exist** [Rut10a, Rut10b]. **Existence**  
 [Cha32a, Cha32b, HS89, Rut02f, HS39]. **Existenz** [Mos13b]. **Existieren**  
 [Rut10a, Rut10b]. **expansion** [Rez25]. **Expedition** [Sta03]. **expelled**  
 [RH06a, Rut06m]. **Experiment**  
 [Ano23a, Eic72, Gre07, Hes00, Kap74, Kap80a, Rut29i, VV09, Bis90,  
 DBE<sup>+</sup>85, DY68, GW73, Hau82, LSN<sup>+</sup>09, Lor88, Ten20]. **Experimental**  
 [Hon03, Ano37d, Bur13b, Sod02]. **Experimentalists** [Gea14a].  
**Experimentalvorlesungen** [Sod02]. **Experimentation** [Hon98].  
**Experimentelle** [Mos13b]. **Experiments**  
 [Ano08a, Ano19, BELG68, Gea14a, Gea14b, OR33, Rut15b, RC24b, Flo70,  
 Pae15a, RSdS<sup>+</sup>89, Sha87a, Tre74a, Rut02e, Rut08h]. **Expert** [Ano08a].  
**Explain** [Ano32b]. **exploded** [Ano33d]. **Exploding**  
 [Rut15i, Rut16b, Rut15g, Rut15h, Rut70c]. **Explore** [vG95]. **Explores**  
 [Dyl20b]. **Exploring** [Rit92, WH72]. **Explosion** [Bad04a, Hei03].  
**Exponential** [FR13e]. **exposed** [Rut97c, Rut97a, TR96]. **Expulsion**  
 [Ano08a]. **extended** [WM88]. **Extension** [Ano12b]. **Extraordinary**  
 [Gib19, Jen08].

**F** [Whe04]. **F.** [Ble02, Bro62, Rus56a]. **F.R.S** [Ano36a, Ano46a, Ano66b,  
 How58, dCA37, Boh37, Bra37, Cha37, Eve37, Smi37, Sod37, Tho37a, Tho37b].  
**F.R.S.** [Ano37h, Cro35, Eva39a, Eva39b, Kap66b, O'H75, dB32].  
**F.R.S.N.Z.** [Ano36a, Ano46a]. **Faces** [Lav14, Nic32]. **facility** [Bod20].  
**facsimile** [Wri64]. **facsimiles** [Bey49]. **Factor** [Hon03, Bar85]. **Fall**  
 [DeB19, Hah67a]. **fallout** [Pre05]. **Famous**  
 [Ano37i, Ano37j, Gra68, Lau37, Gra72, MB<sup>+</sup>85, Wri64]. **Faraday**  
 [Rut36h, Ano37d, Ano38b, Fea72]. **Farrar** [Dys05]. **fatal** [Har05]. **Father**  
 [Anoxxa, Tre75a, Jen08]. **Favor** [Ano23b]. **Fe** [GRS<sup>+</sup>91, KSKF93, PCK<sup>+</sup>08].  
**Fe-implanted** [GRS<sup>+</sup>91]. **Feather** [Rön58]. **features** [Rut05j]. **Feb**  
 [Rut26f]. **February** [Bad67, Bad85b, Rut36h]. **Feinberg** [Mon66]. **Fellow**  
 [RSWE27]. **female** [Gan18a]. **Fermi** [Mon66, GLR06]. **few** [Ano01]. **Field**  
 [Ano37i, Lau37, RWLB33, HFD<sup>+</sup>99, RFF<sup>+</sup>01, Rut01e]. **Fields**  
 [Rut27g, Rut30i, HBA77]. **fifth** [Rut33h]. **Fifty** [Kae48, Sea88, Wel90].  
**figures** [Wal18]. **filament** [DJA<sup>+</sup>04]. **filament-driven** [DJA<sup>+</sup>04]. **Film**  
 [dCAH64, CCR85, HV84, HGM<sup>+</sup>94, SCP<sup>+</sup>91, Sim82, SDD<sup>+</sup>08]. **Films**  
 [Bau73a, JBS12, KEJ87, LHB<sup>+</sup>09, LGA<sup>+</sup>06, SHCK96, And90, Bau73b,  
 Bur86, Cat93, DHS97, DJBW83, FGM<sup>+</sup>00, FIY<sup>+</sup>99, GR89, Glo20, IFSI94,  
 Ish83, KKK<sup>+</sup>99, LHNG14, PBFt83, Phi83, Rei79, Reu81, SER<sup>+</sup>01, SCP<sup>+</sup>91,

TMJ<sup>+</sup>99, TGP11, Wan96, WVCW76, YKH<sup>+</sup>84]. **Final**  
 [Ano18f, Sto97, Wal18]. **Finally** [Sto97]. **Fine** [Rut15a]. **First**  
 [Kay63, Kri19e, RC04, RCRC05, Cat12, Gan18a, HBA77, Mor18, RCO<sup>+</sup>54,  
 Str11, BC16, Stu18]. **first-** [HBA77]. **firsthand** [Sha87a]. **fisica** [Seg76].  
**Fission**  
 [FW67, Gra64, HS89, Stu94, FW85, Gam29b, GA71, Sea88, Ano94, CSW97].  
**fits** [Ged16]. **five** [RCO<sup>+</sup>54]. **flight** [DJA<sup>+</sup>04, HKH96, NMSK13].  
**fluorescence** [KBvB<sup>+</sup>05]. **Fluorinated** [EMVK90]. **fluorine** [KB93]. **Fly**  
 [Dys05, Cat04, Cat12]. **Focussing** [RLB33]. **Foil** [Gre07]. **Foils** [Mar61].  
**Folkestone** [Sin81, Stu79b]. **FONTANUS** [dR92]. **Force**  
 [OaHNM98, Ree08, IFSI94, LHNG14, Par96, RC25, Tab97]. **Forces** [Bri65].  
**Foreword** [Ano50, Gri09, Rut65a, Rut65b]. **Formation**  
 [HS89, AAPN06, DMV<sup>+</sup>96, Par96]. **Formerly** [Mon66]. **Formula**  
 [Dem03, Gor55, BB80, Kru75, MDJF83, Man77, ZB74]. **Fortschritte**  
 [Rut09d]. **Forty** [Rut38a, Rutxx]. **Forward** [SHCK96, LGF<sup>+</sup>99]. **Foster**  
 [Ano38b]. **Found** [Ano22, Kra14a]. **Foundation**  
 [Ano12a, Rut12a, VRWB12, Wel90, Kri19c]. **Foundations** [Bey49, NL00].  
**Founder** [Boh61]. **Four** [Ada72, Kis82]. **Fourier** [TGDS99]. **Fragments**  
 [HS89, Sch33]. **française** [Mon66]. **Franck** [Gea14a, Gea14b]. **Francois**  
 [Tes19]. **Frederick**  
 [Ano09b, Asi64, Coh97, Far63b, Fle57, Fre79, Gus12, How58, Jen85, Kau86,  
 Ken63, Mer96, Pan57, Pan64, Rus56b, Rus61, TG36, Wil64, Wil69]. **free**  
 [Fow83, Sod02]. **freedom** [Ano18a]. **freien** [Sod02]. **French**  
 [BR11b, CCJ<sup>+</sup>34, Geo38, Hei34, LRdB<sup>+</sup>23, Rut05c, Rut05g, Rut06b, RH06a,  
 RB06a, RR07, Rut07h, RG08b, RG08c, RR08a, RR09a, Rut12b, RC12a,  
 Rut12c, dB70]. **Frequency**  
 [Mos13c, Mos14b, Rut94, Rut5 , Rut29a, Cat93, RBR15, Rut28c]. **Freud**  
 [Bru79]. **Friends** [Kle10]. **Frisch** [CSW97, BW80, CSW97, Dit80]. **Fritz**  
 [CSW97, CSW97]. **Frontier** [Ree08]. **Frontispiece** [Rut30f, Rut32c]. **Frost**  
 [Sno67, Sno68]. **Frühzeit** [Rut32b]. **Full** [Ano19]. **Fun** [dCENdCA58].  
**function** [NBG<sup>+</sup>84]. **fund** [Fla17]. **fundamental** [Bey49]. **funds** [Rut34m].  
**Funeral** [Ano37e, Ano37j]. **Furnace** [Cho01]. **Further** [MSB<sup>+</sup>37, RC24b].  
**fusion** [Ten20].

**G** [Eck20, Hei74, Mon66, Rut16a, Sno67, Sno68, Tre75b]. **Ga**  
 [GRS<sup>+</sup>91, PAF<sup>+</sup>98, WVH<sup>+</sup>99]. **GaAs** [Bha82, CGL<sup>+</sup>94, Eld85, GHCA91,  
 KG91, LxW99, MB90, TF89, Wuy91, ZCS<sup>+</sup>12]. **gain** [Ano18a]. **GaInAs**  
 [Sha87b]. **GaInP** [BBR80]. **Galilei** [Büh98b]. **Galileo**  
 [Büh98b, Cro01, Sha87a]. **game** [Lew02, Ree15a]. **game-changer** [Ree15a].  
**Gamma**  
 [RB04a, Rut15e, Rut32e, Lor70d, Tre76b, CBZ<sup>+</sup>12, RR13d, Rut32d, Wen53].  
**Gamma-Rays** [Rut32e]. **GaMnAs** [ZCS<sup>+</sup>12]. **Gamow** [Har01]. **GaN**  
 [CCR<sup>+</sup>03, IOI<sup>+</sup>11, LCL<sup>+</sup>04, PPA<sup>+</sup>02, WCZ<sup>+</sup>02]. **GaP** [KG91]. **Gas**  
 [Ano22, RB01, RB02b, Rut29i, GR89]. **Gasen** [RM00b]. **Gases**



[Cha12, Rut97a, RM00b, RM00a, RM01, Tho03, Tho06, TT33, TT69, Rön58, Rut97c, Rut01e, RN13, Rut24e, Rut24f, Rut24g, Rut24h, Rut26i, Rut26j, Rut26k, Rut26l, Rut29b, Rut29c, Rut29d, Rut29e, TR96, YHS97].  
**Gathering** [Ano37]. **Gauging** [CCR85]. **Gauthier** [Pia24].  
**Gauthier-Villars** [Pia24]. **Ge** [TJRS03, Phi83]. **géant** [Bro62]. **Geburtstag** [HM31, SR37]. **Gedächtnis** [Har38]. **Gedächtnisrede** [SR37]. **gehaltenen** [Sod02]. **Geiger** [Kor12, Ano71b, Boa07, Glo20, Kor12, TGMR74].  
**Geiger-Müller** [Kor12]. **General** [NM12, RN04, Hei34, Wer23]. **générales** [Hei34]. **generation** [RR12, Rut16e]. **generations** [Ada72]. **Genius** [Ree08, Cam09, Mac11, Wil83a, Sei86, Stu85, Tre85]. **geniuses** [Mil95].  
**gente** [Sno68]. **geodynamics** [EMR07]. **Geometrical** [Liv62]. **geometries** [SML91]. **geometry** [DM96]. **geophysicists** [Bow14, Goo10]. **geopolitical** [Ree15a]. **George** [Bur64, Sno67, Sno68, Ano59, Har01, O'H75]. **geringer** [Rut05j]. **German** [Ano31a, Arr06, BR11a, BR11c, Büh98a, Büh98b, CSW97, FH60, Gam28, Gam29b, Gei38a, HM31, HS39, Har38, Hou30, Kor12, Lüd13, MMKS<sup>+</sup>80, Pol60, RM00b, Rut00e, Rut01b, RS02b, RA02a, RG02a, Rut02c, Rut02d, RS02a, Rut02e, Rut03b, Rut04b, Rut04a, Rut05j, Rut05b, Rut06i, Rut07g, Rut07a, RL07, Rut08c, Rut08d, Rut08b, Rut09b, Rut09c, RG09b, RG09a, Rut09d, Rut10a, Rut10b, Rut11e, Rut11h, RR12, Rut13b, RR13a, Rut13g, Rut21d, Rut24a, Rut24b, Rut31d, Rut31c, Rut32b, Rut36f, Rut15, Sod02, SR37, Som38, Tho08a, Tre74b, vdB07, vdB13, vW35]. **germanium** [Sku89]. **Geschichte** [FH60]. **Geschwindigkeit** [Rut07g].  
**Geschwindigkeiten** [RR13a]. **GeSe** [REJ86]. **get** [Jar08a, Jar08b].  
**gettering** [HHAMS93, NFM<sup>+</sup>07]. **GeV** [Wil74]. **Giant** [FR13c, Gen95, McK62]. **Giants** [MD67]. **gin** [Spe19]. **Giroux** [Dys05].  
**Giuseppe** [Bel82]. **given** [Rut15e]. **Giving** [Ano32a]. **glancing** [WZS<sup>+</sup>91].  
**Glasgow** [Sod02]. **Glass** [Rut09f, DJBW83, Rut10g]. **glasses** [STB<sup>+</sup>01].  
**Glimpsing** [Cat12]. **global** [Ree15a]. **glorious** [How58]. **Glow** [Jor16].  
**Glowing** [Rut01f, Rut01a, Rut08e]. **goal** [Ano19]. **Goettingen** [Rut31b].  
**Gold** [Gre07, HHAMS93, LHNG14, Man82]. **golf** [Man76]. **good** [Bat72].  
**Göttingen** [Lüd13, Sme97b]. **Goudsmit** [Lak96]. **grandes** [Mon66].  
**Graphite** [ERM95, ESRDV84]. **Gratulation** [SR37]. **Gravitation** [RC19].  
**Great** [Ano37c, Cle19, Cro01, HT10, Rut33b, Sha87a, Bat72, Bod20, Bre97, Büh98b, Gri09, Kae48, Nix19, Wad20, Wei70, Whe18]. **great-great** [Nix19].  
**Greater** [Pye78]. **Greatest** [Ano32c, Foc37, Focxx, Sat18, Ano37d]. **green** [Wil15]. **grosser** [Rut31d, Rut31c]. **Group** [Dys05, Far01, Rut12e, Cat04].  
**Groups** [RWWW30]. **grown** [KIS<sup>+</sup>89, ZCS<sup>+</sup>12]. **Growth** [OaHNM98, Zim69a, Zim69b, DGC07, FGM<sup>+</sup>00, HV84, HGM<sup>+</sup>94, KSKF93, SDD<sup>+</sup>08, YKH<sup>+</sup>84]. **growth-mode** [KSKF93]. **GsSb** [Sar79]. **Guest** [Ano09a]. **Guide** [Dro20, Rod19]. **Guthrie** [Rut26f]. **Guy** [Sei86, Sen87, Stu85]. **Gwyn** [Hei08, Rut15c].

**H** [Ano64, Pia24, Sno67, Sno68, YKH<sup>+</sup>84, YKH<sup>+</sup>84]. **H.** [Hei74, Rut16a].  
**Haas** [Pia24]. **Hadron** [Giu12]. **hafnium** [IYT<sup>+</sup>09]. **Hahn**

[CSW97, CSW97, Hah67b, She83a, She83b, Tre83]. **Hails** [Ano38b]. **hall** [NL00, Ano09a, CYM<sup>+</sup>03]. **haloes** [JR13]. **Hammarskjöld** [Sno67, Sno68]. **Handbook** [Rut13b]. **Handbuch** [Rut13b]. **Hans** [Glo20]. **hard** [CK33, Rut33i]. **hardback** [Pip01]. **Hardy** [Sno67, Sno68]. **Harnessing** [Sla13]. **Harriet** [DeB19, Ged16, Mor84, Nix19, RCRC92, RC04, RCRC05]. **Hartcup** [Sei86, Sen87, Stu85]. **harvest** [Bra09]. **Haven** [Bro86, Hei71, Szy85]. **Hawking** [Ano18f, Cro01, Sat18, Wal18]. **headquarters** [Bri31]. **Heal** [Sta03]. **Heat** [Rut05l, RR12]. **Heating** [RB03a, RB03b, RB04a, Rut04e, RB04b, RB04c, RB05c, RR13c]. **heavily** [Lu87]. **Heavy** [OKR33, OHR34a, OHR34b, Rut33c, RK34, RSA<sup>+</sup>34b, RSA<sup>+</sup>34a, Rut38f, GHCA91, RRKH94, RR95, Rut37e, Rut37f, Lor70f]. **heavy-ion** [GHCA91, RR95]. **Heights** [Ben20]. **Heilbron** [Bad04a]. **Heinrich** [BHN98]. **Heisenberg** [Lak96, Bre97]. **Held** [Bir61, Meh73, Tre75b, CCJ<sup>+</sup>34, LRdB<sup>+</sup>23, Sod02]. **Helium** [Ano08a, Ano32b, BR11a, BR11c, Rut03a, RB09, Rut31f, Rut37d, Rut66a, Lor70a, BR11d, BR11b, BVI88, KY11, Rot74, RC27, BR11b]. **helium-**[BVI88]. **helium-ion** [KY11]. **Hendry** [Stu85, Sei86]. **Henri** [Gen95]. **Henry** [Eck20, Hei08, Jew19, Ole81, FF17, Rut15c, Rut37a, Rut14]. **her** [Ged16]. **here** [Bre97, Kay63]. **heritage** [Wil17]. **Hertz** [BHN98, Gea14a, Gea14b, Hon98]. **hervorgerufene** [RA02a]. **hexafluorophosphate** [OHN<sup>+</sup>09]. **HfO** [NJS<sup>+</sup>03, NFM<sup>+</sup>07]. **HfSiON** [MBS<sup>+</sup>04]. **Hg** [Con82, WZS<sup>+</sup>91, Win94]. **Higgs** [Kra14a]. **High** [Ano22, EMVK90, HGM<sup>+</sup>94, IYT<sup>+</sup>09, LHB<sup>+</sup>09, Mos12b, Mos13a, Mos13c, Mos14b, NOSK08, Rut94, Rut5 , RP07, Rut27g, Rut28c, Rut29a, Bha82, CFMO12, DGC07, FLP<sup>+</sup>89, HNS<sup>+</sup>11, KB93, NJS<sup>+</sup>03, NFM<sup>+</sup>07, NOH<sup>+</sup>10, NMSK13, OHN<sup>+</sup>09, RR95, Rut24e, Rut24f, Rut24g, Rut24h, TCZY97, Ano37i, Lau37]. **High-Energy** [EMVK90, RR95]. **High-Frequency** [Mos13c, Mos14b, Rut94, Rut5 , Rut28c]. **High-Resolution** [NOSK08, HGM<sup>+</sup>94, IYT<sup>+</sup>09, CFMO12, DGC07, HNS<sup>+</sup>11, NJS<sup>+</sup>03, NFM<sup>+</sup>07, NOH<sup>+</sup>10, NMSK13, OHN<sup>+</sup>09]. **high-temperature** [FLP<sup>+</sup>89]. **Hilger** [Stu85]. **Him** [Ano09a, Ano38b, RCO<sup>+</sup>54]. **Hiroshima** [Pre05]. **Histoire** [Mon66]. **história** [dAMxx]. **Historic** [Ano18c, Coh97, She17, Wal18]. **Historica** [Cle19, Won20]. **Historical** [Seg85, Rön58]. **Histories** [Pei97b]. **historiografia** [dAMxx]. **historiography** [dAMxx]. **History** [Adl97, Anoxxb, Anoxxc, Bal15, Cle19, Dyl20b, Eva96, Gar81, Her72, HHK87, Kap80b, Kri16, Kri19a, O’C17, RN04, Rut19c, Rut23n, Rut24j, Rut33b, Sin81, Stu78, Stu79b, WP85, Ber07, FH60, Glo20, GA71, Har05, Kim02, KHFA67, Leo05, dAMxx, Rut12a, Rut23m, Rut70b, Tod14, Tre77b, WH72, NP38, NP40]. **hit** [Ano18a]. **Hitting** [Kow53]. **Hodder** [Stu85]. **Home** [Ano09c]. **Hon** [dCA37, Boh37, Bra37, Cha37, Coh40, Eve37, Eve39, Eve13, Smi37, Sod37, Swa40, Tho37a, Tho37b, dB32]. **Honorary** [Lüd13]. **Honors** [Ano10]. **honour** [Ano37k]. **honoured** [Ano09b]. **Honours** [Ano66d, O’S71, O’S72]. **hope** [Ten20]. **horse** [Dow08]. **Horvath** [Gri09]. **Hotel** [Wel90]. **Houston**

[Wel90]. **Human** [Boh63, Dys05, SMJ35a, SMJ35b, Boh87]. **hundred** [AK15, Ano95, DMPA08, Mor74]. **Hungarian** [RA45]. **Hunting** [FR18]. **hydrated** [Wan96]. **Hydrogen** [ERM95, Lak96, OKR33, OHR34a, OHR34b, Rut19f, Rut21e, Rut29i, RK34, RSA<sup>+</sup>34b, RSA<sup>+</sup>34a, Rut37d, Lor70c, Til96, BVI88, Eid48, HKH96, Rut33c, Rut34j, Rut34a, Rut34b, Rut34c, Rut34d, Rut34l, Ten20, Ano32b, Rut19e]. **hydrogen-** [BVI88]. **Hypothesis** [Cra84, Stu83].

**Ich** [Büh98a]. **Idea** [Tan77]. **Ideas** [Kae36, Bre97, HT10]. **Identification** [Rut22g]. **identity** [Tem89]. **ignorance** [She17]. **ih** [Rez28]. **ihr** [CSW97]. **ihre** [Mec14, Rut13b, Rut13g]. **II** [Aro65a, RS02b, Rut11h, dR92, Bad05, Coh89, KLL<sup>+</sup>90, LSK<sup>+</sup>88, Mor84, Mos14b, Oli66b, RO99, RS02b, RS02g, RS02c, RS02f, RS02j, Rut04h, Rut06h, Rut08i, Rut09h, Rut11h, Rut19f, Rut20c, Rut21b, Rut22k, Rut26c, Rut26j, Rut27b, Rut28e, Rut29c, Rut30c, Rut35g]. **III** [Ano66e, Coh91, RS02l, Rut19g, Rut20d, Rut21c, Rut22l, Rut26d, Rut26k, Rut27c, Rut28f, Rut29d, Rut30d, Rut35h, Aro66]. **Illuminations** [McC19]. **illustrated** [Bri31]. **illustrations** [RA45]. **illusztrációkkal** [RA45]. **im** [Sod02]. **image** [LHNG14, Pye78]. **images** [Tab97]. **IMFP** [Fow83]. **imidazolium-based** [NMSK13]. **imide** [NOSK08, NOH<sup>+</sup>10]. **Immense** [Ano23b]. **Immersion** [KT84]. **implantation** [BPSW91, PAF<sup>+</sup>98]. **implanted** [BKP<sup>+</sup>06, Bha82, CFMO12, FTT96, GRS<sup>+</sup>91, KBvB<sup>+</sup>05, KG91, Rot74, SSWB80a, Sad81, TJRS03, WCGC86, Whi82, ZWJ<sup>+</sup>02]. **Implications** [Ang00, Nia98, NM12, RN04]. **Importance** [Bad71, Ble99]. **important** [Wil15, Won20]. **Improvement** [HNS<sup>+</sup>11]. **Improvements** [BR16]. **InAs** [Sar79]. **inaugurated** [Sie11]. **incidence** [Wan96]. **incident** [BP93]. **incomplete** [Pye78]. **incorporation** [KB93]. **India** [Ano38b]. **Indian** [Rut38c]. **Induced** [Bau73a, GLR06, Bau73b, CBZ<sup>+</sup>12, RKL88, RA02a]. **Industrial** [All64]. **inelastic** [Fow83]. **Infecting** [RMM<sup>+</sup>29]. **Influence** [Kae39, SG85, SLA<sup>+</sup>00, Bad87, DMV<sup>+</sup>96, Rut01b]. **infrared** [Sin93, TGDS99]. **InGaN** [PPA<sup>+</sup>02]. **InGaN/GaN** [PPA<sup>+</sup>02]. **initial** [DGC07, HV84]. **injustice** [CSW96]. **Inner** [Ree06]. **Innocence** [Stu18]. **Innovation** [Whe18]. **InP** [Phi83]. **Inquiry** [Gib19]. **Inscribing** [Dea03]. **institut** [CCJ<sup>+</sup>34]. **Institute** [CCJ<sup>+</sup>34, WH72, EC13, Rut13e, Whe18]. **Institution** [Rut36h]. **Int** [Rut05c]. **integrated** [Gro89]. **Intense** [Rut27g, Rut30i, FLK92, LSK<sup>+</sup>88, SML91, YHS97]. **intensité** [Rut06b]. **Intensity** [Rut06b, Rut06n]. **Interaction** [CK33, Rut33i]. **intercalation** [ESRDV84]. **Interdiffusion** [IFSI94, FIY<sup>+</sup>99]. **interdiffusions** [SCP<sup>+</sup>91]. **Interest** [Bar71]. **Interface** [KSKF93, PCK<sup>+</sup>08, AT86, HV84, IOI<sup>+</sup>11, NJS<sup>+</sup>03]. **interlayer** [LCL<sup>+</sup>04, PCK<sup>+</sup>08]. **intermixing** [PPA<sup>+</sup>02]. **International** [Bir61, CDE<sup>+</sup>31b, Dys05, Hay63, Meh73, Raz63, Cat04, CCJ<sup>+</sup>34, Kat15, Rut11b, Rut14j, CDE<sup>+</sup>31a, CDE<sup>+</sup>31c, Rut13c, Rut13d, Rut13e, Rut14l].

**Interpretation** [Ano94, Rut34o, Stu94, Bab71, Sod08, Sod20, Sod22, Sod04]. **Interpreter** [Rus56a]. **Interred** [Wal18]. **Intra** [Sod13]. **Intra-atomic** [Sod13]. **Introduction** [She83a, Rön58]. **invention** [Kat12]. **inventory** [KHFA67]. **Invents** [FR13f]. **inverse** [HBA77]. **investigate** [HW92]. **investigated** [CBZ<sup>+</sup>12, SPL<sup>+</sup>08]. **Investigation** [BPSW91, ERM95, STB<sup>+</sup>01, TMO<sup>+</sup>95, WZS<sup>+</sup>91, WV07, RS02k, RS02j, RS02l, RS02m, RS02i]. **Investigations** [Rut11h]. **Ion** [Bau73a, EMVK90, RM00b, RM00a, RM01, vBBGO90, vBBD<sup>+</sup>92, Bau73b, BPSW91, Cle81, CSN<sup>+</sup>00, DJA<sup>+</sup>04, DBvdV87, FLK92, FTT96, GHCA91, Gro89, HKH96, KBvB<sup>+</sup>05, KY11, LSK<sup>+</sup>88, MB90, NMSK13, PAF<sup>+</sup>98, RRRKH94, RR95, Reu81, STB<sup>+</sup>01, SML91, TMO<sup>+</sup>95, TF89, TJRS03, Wil83b, WVD<sup>+</sup>96, vBD89]. **ion-beam** [FLK92, SML91]. **ion-beam-synthesized** [WVD<sup>+</sup>96]. **ion-implanted** [KBvB<sup>+</sup>05]. **ion-induced** [Bau73b]. **Ionen** [RM00b]. **ionic** [NMSK13]. **Ionisation** [RA02a]. **Ionization** [RA02b, RA02a, Rut02a]. **Ions** [MR14, OKR33, Rut01a, RRRKH94, Rut97c, WZS<sup>+</sup>91, Wan96, ZB74]. **iridium** [And90]. **Iron** [Rut94, Rut5, TMJ<sup>+</sup>99, WCGC86]. **Irradiated** [HS89, LxW99]. **irradiation** [HS39]. **ISBN** [Bro86, Ced00, Pip01, Stu85]. **Iskusstvennoe** [Rez23, Rez25]. **Island** [Lig18, HZ15]. **Isolation** [Jen85]. **Isotope** [OKR33, RK34, Tan77, Eid48, Gan18b]. **Isotopes** [HS89, Rut37d, Wil64]. **Italian** [Car98, Seg76]. **Italy** [Meh73]. **IV** [dR92, Mos13b, Coh92, Far01, RS02m, Rut03h, Rut19h, Rut22m, Rut26e, Rut26l, Rut27d, Rut29e, Rut30e, Rut35i, Rut10a]. **IX** [RG08e]. **Izbrannye** [Rez71, Rez72].

**J** [Ano32b, Gar81, Hay63, Hei74, Ihd64, Kub11, Mon66, Pia24, Rön58, Rut16a, Stu78, Whe04]. **J.** [Bad04a, Ble02, Kub11, Raz63, See65, Whe04]. **jadra** [Rez28, Rez29, Rez32]. **Jahr** [Lüd13]. **Jahre** [Sod02]. **Jahres** [Tho08a]. **James** [Ano64, Aro66, Bro97, Coc63, Osg66, Poo52, Sch31, Seg62, Seg64, Seg66]. **Jan** [Rut08g]. **Japan** [Tan77]. **Jeans** [Ano38b]. **Jeffreys** [Rut15c, Hei08]. **jelementov** [Rez23, Rez25]. **jetzt** [Büh98a]. **John** [Ano60, Ble57, Ced00, Her01a, Her01b, Sei86, Stu85, EMR07, Pip01]. **Johnstone** [O'H75]. **Join** [Ano18f]. **Journal** [Anoxxc, Bal15, Anoxxc]. **journals** [Bey49]. **Journey** [FR13j, Lev17]. **Journeys** [Dyl20b]. **Jubilee** [Bir61, Hay63, Raz63, Rut38c, Gea62]. **July** [Lov75, TGMR74, Tre75b, Wyb72, Ree06, TGMR74]. **Jun** [Rut15i]. **June** [Rut33h]. **Junior** [Rut33h]. **justification** [Tre74a].

**Kamerlingh** [Pia24]. **Kapitza** [Ano66a, Bad85a, Bro86, Rub97, Vuc86, Szy85]. **Karlsruhe** [EC13]. **Kay** [Ano45, Hug08]. **Kelvin** [Ano33c, EMR07, Tip13]. **Ken** [Stu79b]. **Kendall** [Ano22]. **Kepler** [Liv62, Sta61]. **Kernmassen** [vW35]. **Kernspaltung** [CSW97]. **Kernstruktur** [Rut21d]. **keV** [HKH96]. **Key** [Pae15a]. **Kinetic** [NBG<sup>+</sup>84]. **Kinetics** [Lee98, Stu00, HV84, SDD<sup>+</sup>08]. **King**

[Eck20, Jew19, Ano37j]. **Kissinger** [SDD<sup>+</sup>08]. **Kiwi** [Ano19a, Wad20]. **knew** [Kat12, RCO<sup>+</sup>54]. **Know** [Ano21, Böh98a]. **Knowledge** [Boh63, Cle19, Boh87]. **Known** [Ano07]. **Konstanten** [Ano31a]. **Konstitution** [vdB13]. **Kremlin** [Bad85a, Bro86, Szy85, Vuc86].

**L** [Ano66a, Bad04a, Kap66b, Pia24]. **lab** [Ano18c]. **Laboratories** [Ano12b, Ear66, Har07, Bri31]. **Laboratory** [Ano32b, Ano45, DBE<sup>+</sup>85, Hug08, Kay63, LEM65, Woo46, Ano09c, Bad83, Bod20, GW73, Tre79a, Ano32c, Ano66e, Cro74d, Cro74e, Kim02, Nav06, Rut19c, Osg66]. **Laborde** [Mon66]. **Laby** [Dea03]. **Ladung** [Rut08c, Rut08d, RG09a]. **laid** [CS19]. **Langevin** [Kat12]. **large** [GM13, Gro89, Giu12]. **laser** [DJBW83, KKK<sup>+</sup>99, Sad81, Ten20]. **Lasers** [Shi88]. **Last** [Ano38b]. **lastly** [dR92]. **Late** [Ano38b, Foc39, MSB<sup>+</sup>37, Wal18, Ano37]. **lateral** [WZS<sup>+</sup>91, Wan96]. **Latest** [Ano32a, Rut09d]. **Latex** [LGA<sup>+</sup>06]. **l'atome** [Mon66]. **Lattice** [RSdS<sup>+</sup>89, TJRS03]. **launch** [Spe19]. **Laura** [Mon66]. **laureate** [How58]. **Law** [Rut34o, Ram75, RC25]. **Lawrence** [Bro86, Fea70, Hei71, Jen08, Oes70, Ole81, Szy85, Tre77a, Vuc86]. **laws** [GM13, Sta61]. **Layer** [LFA<sup>+</sup>04, LCL<sup>+</sup>04, WVH<sup>+</sup>99, WYV<sup>+</sup>99, WCZ<sup>+</sup>02]. **layers** [FLP<sup>+</sup>89, IOI<sup>+</sup>11, MB90, Sad81, WVD<sup>+</sup>96, ZCS<sup>+</sup>12, vIS89]. **lead** [WVCW76]. **Leadership** [Kim02]. **leading** [Cam19, Cro01]. **Leads** [Ano32a]. **learn** [Bod20]. **Learning** [Rut36k, Rut36g, Rut36j]. **Learns** [Ano06]. **leaves** [Ano07]. **Lebenswerk** [Gei38a]. **Lecture** [dCA58, Ano66a, Boh61, Kap66b, LEM65, Rut26f, Rut31b, Rut36h, Rut37a, Sme97b, NL00, Rut33h, All64, Ano09c, Bla59, Bra61, Bur83, Bur82, Cha33, Cha54, Coc53, Dar56b, Dee67, Fea77, Fow72, Mar54, McG84, Moo78, Mor75, Mot63, Pei53, Rut04l, Rut05p, Rut20g, Rut21d, Rut14, Sho82, Tho65, Tiz46b, Zim69a, Zim69b]. **Lectures** [Rut12a, VRWB12, NP38, NP40, RCO<sup>+</sup>54, Sod02, dB14, Ano12a]. **LEED** [Nor79, NBG<sup>+</sup>84]. **Legacy** [Ano17d, Eck20, Jew19, Lon16a, AK11, Har05, TJ11]. **Legendary** [Ben20]. **LEGO** [Whe18]. **leicht** [Rut03b]. **Leipzig** [Mos13b]. **length** [Rut14f]. **lente** [Rut05g]. **Lenz** [Agu96, BB80, Far87]. **Léonidovich** [Rub97]. **lessons** [Bod20]. **letiju** [Kap73a]. **Lett** [Hwa83]. **Letter** [Ale46, Mos14a, Rut26a, Rut35a, Shi88, Tre79b]. **Letters** [Coh40, Coh88, Coh89, Coh91, Coh92, Fea70, Hei71, Oes70, RSWE27, Swa40, Szy85, dR92, Ano36b, Bad69, Eve39, Eve13, Hei74]. **levels** [dAMxx]. **LHC** [Wei11]. **L'histoire** [Mon66]. **LI** [Rut19e, Rut21g, Rut27]. **Library** [Ble57]. **Life** [Anoxxb, Coc46, Coh40, Eck20, Jew19, Mar54, MF11, Rut23m, Rut23n, Rut23o, Rut24j, Rut70b, Swa40, Ano20b, Ano18b, Cam15, Cro01, Eva39a, Eva39b, Eve39, Eve13, Gei38a, Hei74, How58, Sim96, Ree16]. **Life-history** [Rut23m]. **Light** [Cha12, CR12, OKR35a, Ree06, Rut98, Rut19a, Rut19e, Rut19f, Rut19g, Rut19h, Rut19b, RC21b, Rut70a, Rut10a]. **Lightman** [Dys05]. **LII** [Rut19f, RC24c, RC27]. **LIII** [Rut19g]. **Like** [Ano19, Böh98a]. **likened** [Ano38b]. **Limit** [Ano32c, Kra13]. **limiting** [vBD89]. **limits** [RR95]. **LiNbO** [RSdS<sup>+</sup>89]. **Lineage** [Ano99]. **link** [Ano09c]. **Linus** [Gri09]. **Lipson**

[Ano64]. **Liquid** [Ano94, Stu94, LGF<sup>+</sup>99]. **Liquid-Drop** [Ano94, Stu94]. **liquids** [NMSK13]. **Lise** [Büh98b, CSW97, Büh98b, CSW97, Sim96]. **list** [Ano18a]. **Listening** [BC16]. **lists** [Gri09]. **Literature** [AH13, HT10]. **Lithium** [CW32, OKR33]. **LIV** [Bol05, Rut97c, Rut19h]. **lives** [Bre97, Dow08]. **LIX** [Rut94, RS03a, RR13f]. **LL.D** [How58]. **Lloyd** [Sno67, Sno68]. **location** [RSdS<sup>+</sup>89, TJRS03]. **locking** [HZ15]. **Logic** [GRS87]. **London** [Bur64, Hei71, Stu85]. **Long** [DeB19, RW16, RWL31a, RLB33, Rut21g, RC24c, Rut31c, Rut16d, Rut31d]. **Long-range** [RW16, Rut21g, RC24c, Rut16d]. **look** [Kru75]. **looked** [Fei11]. **looks** [Büh98a]. **Lord** [dCA37, Ano37l, Ano38c, Ano64, Ano66e, Aro65a, Aro66, Boh37, Bra37, Bur64, Bur38, Cha37, Coc63, Coh40, Dav37, Eve37, Eve39, Eve13, Gei38a, Har38, Osg66, Seg62, Seg64, Seg66, Seg80c, Smi37, Sod37, Swa40, Tho37a, Tho37b, dB32, dCA38, Ano33d, Ano36a, Ano37d, Ano37c, Ano37b, Ano37e, Ano37h, Ano37i, Ano37f, Ano37g, Ano37k, Ano38a, Ano38b, Ano46a, Ano46b, Ano50, Ano66a, Ano09a, Bru64, Cha65, Cha14a, Cha14b, Cha14c, Cra71, Cro35, Dal50, Dav37, EC38, Fea40, Fea73a, Fea73b, Foc37, Foc39, Gei38a, Geo38, Gué38, HM31, Har38, Jac72, Jar08a, Kap66a, Kap66b, Kap73b, Kap80d, Kay63, Lau37, Man76, MSB<sup>+</sup>37, Mil38, Mol63, Mur13, Rus37, Rus51, RC62, Sme97b, Som38, Tho08a, Tho08b, Tho70, Tiz46a, Tod14, VPW14]. **Lorentz** [Pia24]. **Loss** [Rut23k, MB90, Rut24l]. **Lost** [Kri16]. **Louis** [Rut05c]. **Love** [AH13, FF17]. **Low** [Ang00, Bha82, DYF67, HKH96, Kri16, Rut30i, BVI88, DJA<sup>+</sup>04, DHS97, Hwa82, Hwa83, KB93, LCL<sup>+</sup>04, MDJF83, Rut24e, Rut24f, Rut24g, Rut24h, WM88, YHS97, Yuh92]. **low-** [MDJF83]. **Low-Energy** [DYF67, HKH96, Kri16, BVI88, WM88, Yuh92]. **low-pressure** [Hwa82, Hwa83, YHS97]. **Low-temperature** [Bha82, LCL<sup>+</sup>04]. **Lowood** [Ole81, Ole81]. **Luis** [Ree16]. **luminescence** [KG91]. **Luminosity** [Rut10f]. **LV** [BR11d]. **LVII** [GR12, RN13, RR14, Rut14e]. **LVIII** [RB05c, RG11]. **LX** [RS03b, Rut03g]. **LXI** [GM13]. **LXIII** [JR13, Rut04n]. **LXIV** [RS02g]. **LXV** [Eve05]. **LXVII** [Rut09j]. **LXVIII** [RR08d]. **LXXIII** [Rut07b]. **LXXIX** [Rut11i]. **LXXV** [GF10, Rut02a]. **LXXVI** [RG10, RR13d]. **LXXXII** [RR13b]. **LXXXIV** [RS02c]. **LXXXIX** [RC21b].

**M** [Lov76, Mon66, Pia24, Whe04, Gro89]. **M.** [Ano81, Coh40]. **M.A** [How58]. **m.b.H** [Mos13b]. **Macdonald** [Eve06]. **Mach** [SR37, SR37]. **MacLeod** [Eck20]. **Macmillan** [Dav37]. **Madame** [Rut34f]. **Made** [Ano19, Ano32b, Cli87, Clo18, Mer96]. **Madison** [RFF<sup>+</sup>01]. **Magic** [Cho01]. **Magnetic** [Mur13, Rut96b, Rut97b, Rut06c, Rut27g, Rut30i, RLB33, RWLB33, HZ15, KLL<sup>+</sup>90, LSK<sup>+</sup>88, Rut96a, Rut03b, Rut03f, Rut95, RG02a, Sho82]. **magnetische** [Rut03b, RG02a]. **Magnetization** [Rut5, Rut94]. **magnetron** [Cat93]. **magnitudes** [Rut09k]. **Maine** [Lig18]. **make** [Mil95]. **Makes** [Ano08a]. **Making** [Ano19, Bal15, CAN88, Dea03, Sla13, Cam14, Ano32c]. **Man** [Ano32a, Bro73a, Eva39a, Eva39b, Kae39, Oli72b, Rut24i, Bat72, Fei11,

Lew02, Moo66, Sch57, Whe18]. **Manchester**  
 [Ano64, Bir61, Bur64, Har07, Hay63, Raz63, Seg64, dCA68, Ano07, Ano08b,  
 Ano08f, Ano09a, Ano12b, Ano17d, Bir62, Bir63, Fea62b, Gea61, Gei38b, Hug08,  
 Kat15, Kri19b, Kri19a, Lon16b, Rus51, RC63, Ano64, Ihd64, See65, Aro65a].  
**Manhattan** [Ben20, Ree15a, Sch15]. **Many** [DeB19, Kae36]. **mapping**  
 [NL00]. **March** [Ano17]. **Marchal** [Bro62]. **Maria** [DMPA08]. **Marie**  
 [Gri09, Pre05, Rut35j, SG85]. **Mario** [Sin81, Stu79b, Whe80]. **Mark**  
 [Bat72, Tre73]. **marked** [Ano17c]. **Marking** [Cat12]. **Marsden**  
 [dCA68, TGM74]. **Mass**  
 [Gam30, RH06a, Rut37d, BPSW91, Cle81, CSN+00, Eid48, Gro89, NMSK13,  
 Reu81, Rut06m, Rut07g, RR13a, RR14, Rut21g, Wil83b, vW35, RH06b].  
**Massachusetts** [VRWB12]. **Masse** [RH06a, Rut07g, RR13a]. **Masses**  
 [OKR35a]. **Material** [JBS12]. **Materials** [Rut03c, FLP+89, SBEO86].  
**Matie** [Rut24a, Rut24b]. **Mathematical** [Rut09i]. **Matin** [Ano19].  
**matrix** [LRF86]. **Matter**  
 [Ano08a, Ano32a, Fre79, Rut06k, RG08e, Rut12f, Rut22f, Rut22p, Rut23l,  
 Rut23r, Rut23q, Rut26h, Rut38d, Rut38e, Tre75b, Whe04, FR33, Rut06l,  
 Rut11i, Rut15m, Rut15n, Rut20b, Rut20c, Rut20d, Rut21a, Rut21b, Rut21c,  
 Rut22e, Rut23s, Rut24a, Rut24b, Rut25b, Rut25i, Rut28d, Rut28e, Rut28f,  
 Rut30g, Rut34e, Rut70h, Rut12, Wyb72, Rut13c, Rut13d]. **Max**  
 [Lüd13, Lüd13, Rut29f, Ole81]. **Maximum** [RBR15]. **Maxwell** [Lon16a].  
**May** [Ano32a, Ano06]. **Mayes** [Whe18]. **Maynard** [Lov75]. **MBE** [BBR80].  
**McGill** [Ano09b, Eve06, Ano07, Bad79a, Fea62a, Hah62, Hei79b, Lon16b,  
 Mor84, Sha37, Sod03, Ter38, Tre79a]. **McTavish** [Wil15]. **Mean**  
 [Jen11, Fow83]. **Means** [Mos12b, Rut37b, Yuh92, vBD89, vBBGO90].  
**measured** [HKM+09, SER+01]. **Measurement**  
 [Boa07, vBD89, HKH96, YKH+84]. **Measurements**  
 [MG12, Bur86, CYM+03, DBvdV87, KKGW85, LSK+88, Rut11e, SDD+08,  
 vBBGO90, vBBD+92]. **Measuring** [KB93, Mar61, Rut16e, SBEO86].  
**mechanical** [Bai13, SC13, Tem89]. **Mechanism** [FW67, YKH+84]. **Medal**  
 [Ano36a, Ano46a, Ano18e, Tes19]. **Medical** [DMPA08, Pod10a].  
**Medientransformation** [Lüd13]. **Meet** [Gan18a]. **Meeting**  
 [Ano38b, CCJ+34, Kri19b, Rut27e, Rut27j, Rut28a, Rut28g, Rut29j, Rut29k,  
 Rut30a, Rut30h, Rut31a, Rut31e, Rut38c, LRdB+23, Ril70]. **meets** [Bou99].  
**Meitner** [CSW97, Büh98b, CSW97, Sim96]. **memoir** [Lov76]. **mémoire**  
 [Rut12c]. **Memorial** [All64, dCA58, Ano18e, Bla59, Boh61, Bra61, Bur83,  
 Bur82, Cha54, Coc53, Dar56b, Dee67, Fea77, Fow72, Mar54, McG84, Moo78,  
 Mor75, Mot63, Rut37a, Rut14, Sho82, Tiz46b, Zim69a, Zim69b, SR37, Ter67].  
**memoriam** [Har38]. **Memories** [Dal50, Gei38b, Hug08, Rut32b]. **Memory**  
 [Kap80c, Ano37k]. **Men** [Cli87, Rut33b, Sno67]. **Mercury** [Far87].  
**Messungen** [Rut11e]. **Métadier** [Mon66]. **Metal** [Mar61, Her84].  
**metallization** [Kot91]. **Metallurgy** [GRS87, KT84]. **Metals**  
 [Mot63, Sho82, HS39]. **Metamorphosis** [Tre75d]. **Method**  
 [RG08a, RG08e, RC12b, RWWW30, RLB33, FLK92, KIS+89, Rut03h,

RG08c, RG09b, RC12a, Rut16e]. **Method** [RG09b, RG08c, RC12a].  
**Methods** [SN05, BSS88, Rut15d, RA45]. **methylimidazolium**  
 [NOH<sup>+</sup>10, OHN<sup>+</sup>09]. **MeV** [RRKH94]. **Mg** [SHAI09, TMJ<sup>+</sup>99]. **Mg-rich**  
 [SHAI09]. **MgO** [FIY<sup>+</sup>99, HGM<sup>+</sup>94]. **Michael** [Gus12]. **microanalysis**  
 [NBG<sup>+</sup>84]. **microprobe** [GR89]. **MicroReviews** [Hub13]. **microscope**  
 [Tab97]. **Microscopic** [RMM<sup>+</sup>29]. **Microscopy**  
 [OaHNM98, BKP<sup>+</sup>06, CSN<sup>+</sup>00, FGM<sup>+</sup>00, FIY<sup>+</sup>99, IFSI94, Ish83, KY11,  
 LHNG14, Lu87, Par96, Phi83, Rei79, SSWB80b, SSWB80a, Sad81, Wil83b].  
**middle** [Cot10]. **Midwest** [RSWE27]. **Mighty** [Ano32a]. **Miles** [Ano23b].  
**Millikan** [Pia24, SR37, SR37]. **mind** [HJS70]. **Minerals**  
 [Hol30, RB05b, RB06a, RB06b, GF10, RB05a]. **minéraux** [RB06a]. **Mining**  
 [Whe18]. **minute** [Eve05]. **mirabilis** [Hug00]. **Miracle** [Ano23a, Sla13].  
**Miramare** [Meh73]. **mirror** [HW96, SHAI09]. **Misdated** [Tre79b]. **missed**  
 [EMR07, Tem89]. **Missing** [Rut22g]. **mistakes** [Mil95]. **mittels** [HS39].  
**mixing** [PCK<sup>+</sup>08]. **mixtures** [NMSK13]. **Mobilizing** [Hag17]. **Mode**  
 [HZ15, KSKF93]. **Model** [Ano94, Bur18, Pod10b, Sch13, Stu86b, Stu94,  
 Til96, Wer23, Bur13a, Bur13b, Bur15, Pol60]. **Modelers** [Lak96]. **modeller**  
 [Whe18]. **Models** [Hug90, Lak96, Mos14a, Bai13]. **Modern**  
 [Anoxxa, BHN98, Gib19, Kri16, LSN<sup>+</sup>09, Mor18, Sla13, Bod20, Bra09, Mac11,  
 NP38, NP40, Seg80a, Rez38]. **Modes** [Hon98]. **Modification** [SHCK96].  
**Modified** [Ear66, Fel19]. **módszerei** [RA45]. **Molecular**  
 [NOSK08, Rut29b, Rut29c, Rut29d, Rut29e]. **Molecules**  
 [Rut14a, Rut10a, Rut10b, Rut14d]. **Molekeln** [Rut10a, Rut10b]. **Molkule**  
 [Mos13b]. **moments** [Büh98b]. **Mon** [dB70]. **Monolayer** [KOhM94]. **Monte**  
 [BPSW91]. **Montreal**  
 [Seg62, Stu79b, Ano09b, Eve06, FR13e, Hah62, Hah67a, Pye78, RC62, Tre83].  
**Moon** [Tre76a]. **Moonshine** [Jen11]. **Morningside** [Ben20]. **Moscow**  
 [Ano37]. **Moseley** [FF17, Hei74, Hei08, Jaf71, Jaf72, Rut15c, Rut16a,  
 Rut25c, Sar27, Eck20, Jew19]. **Mössbauer** [DMV<sup>+</sup>96]. **Most**  
 [Kha20, Ber07, Jen08, LSN<sup>+</sup>09, MB<sup>+</sup>85, Won20]. **Mother** [FF17, Ano36b].  
**motions** [Rut29b, Rut29c, Rut29d, Rut29e]. **Moving** [Wei72, Wei85]. **Mr.**  
 [Ano45]. **MST** [HFD<sup>+</sup>99]. **Müller** [Kor12, Kor12]. **multicusp** [DJA<sup>+</sup>04].  
**multilayer** [SSWB80b]. **multilayers** [KSKF93, PMCF<sup>+</sup>06]. **multiple**  
 [PPA<sup>+</sup>02]. **My** [dR92, Cam97, Wil60, Coh88, Coh89, Coh91, Coh92, dB70].  
**Mylar** [BP93]. **Mysterious** [Dys05]. **Mystery** [Ano32a, FR13j].  
  
**N** [Aro65b, Opp64, Pia24, Rön58, WZS<sup>+</sup>91, Mon66, RR95, WVH<sup>+</sup>99]. **nach**  
 [Ano31a, Sod02]. **Nachruf** [SR37]. **Nachweis** [HS39]. **NaCl**  
 [MKM<sup>+</sup>07, HKM<sup>+</sup>09, Rei79]. **Nagaoka** [Bad67, Bad85b, Hei67]. **Name**  
 [Ano17b, VPW14]. **Names** [Sto97]. **Naming** [Bro18, Stu86a]. **Nanocluster**  
 [Par96]. **Nanocomposites** [LFA<sup>+</sup>04]. **Nanoparticle** [WMT01, LHNG14].  
**Nanoscale** [LHB<sup>+</sup>09]. **nanosized** [DMV<sup>+</sup>96, FGM<sup>+</sup>00]. **narrow** [MBS<sup>+</sup>04].  
**nas** [dAMxx]. **Nations** [Ano37j]. **native** [Win94]. **Natur**  
 [RS02b, RS02a, Rut08c, Rut08d, RG09a, Sod02]. **Natural**



[Rut24k, RW25, FH60, Leo05, Rut24m, Rez25]. **Nature**  
[dCAH64, Aro65b, Opp64, Ree08, Rut04f, Rut08a, RG08d, Rut08f, RR08e,  
RR09c, RR09a, RR09d, dCENdCA64, Meh73, RS02b, RS02g, RS02c, RS02f,  
RS02a, RS02h, RG08b, Rut08c, Rut08d, RG09a, RR09b, RC24c, Sod02,  
Wen53, RR09a, Bal15, Bal19]. **Naturwissenschaft** [FH60]. **naucnye**  
[Rez71, Rez72]. **Nb** [KKK<sup>+</sup>99]. **Neale** [Stu79b]. **Near**  
[MKM<sup>+</sup>07, Kae36, KBvB<sup>+</sup>05, GHCA91, RR95]. **Near-Surface**  
[MKM<sup>+</sup>07, KBvB<sup>+</sup>05, GHCA91]. **Needs** [Rut19c]. **neglected** [EMR07].  
**Nekrolog** [Som38]. **nella** [Seg76]. **Nelson**  
[dCA37, Ano36a, Ano46a, Ano64, Ano66e, Ano66b, Aro65a, Aro66, Bad04b,  
Boh37, Bra37, Bur64, Cha37, Coc63, Eva39a, Eva39b, Eve37, Har38, M.39,  
Osg66, Seg66, Smi37, Sod37, Som38, Tho37a, Tho37b, dB32, Bad09, Badxx,  
Bru64, Cha65, Cha14a, Cha14b, Cha14c, Cra71, Dal50, Foc37, Gei38a, Har38,  
Jar08a, Mil38, Mol63, O'C17, RC62, Seg80c, Wad20, Seg62, Seg64].  
**neodymium** [KG91]. **neon** [BVI88]. **neon-** [BVI88]. **Neuere** [Hou30].  
**neuesten** [Rut09d]. **Neutral** [KKGW85, Gro89, HFD<sup>+</sup>99]. **neutrals**  
[vBD89]. **neutrino** [Nav06]. **Neutron**  
[Cha32a, Cha32b, Cha33, FR13h, GLR06, Pol91, Rog13, Rut35e, Lor70b,  
Bad83, Bro97, Bur13a, Bur13b, Bur15, HS39, LSN<sup>+</sup>09, LxW99].  
**Neutron-Induced** [GLR06]. **neutron-irradiated** [LxW99]. **neutron-rich**  
[LSN<sup>+</sup>09]. **Neutronen** [HS39]. **Neutrons**  
[Elf14, GLR06, HS89, Clo18, Fel19]. **Newer**  
[Bad66, Dav37, Rut37a, Rut37b, Rut14]. **Newnham** [Rut37a, Rut14]. **News**  
[Ano31b, Fel19]. **Newton**  
[Tho08a, Ano38b, Ano09a, Ano18f, Böh98b, Fea72, Tho08a, Tho08b, Wal18].  
**Newtons** [Böh98b]. **Ni** [AAPN06, SHAI09, SCP<sup>+</sup>91, Wuy91]. **Ni/Au/Te**  
[Wuy91]. **Ni/Si** [AAPN06]. **NiB** [SCP<sup>+</sup>91]. **nicht** [CSW97]. **nickel**  
[BPSW91]. **nickel-implantation** [BPSW91]. **Nicole** [Mon66]. **niece** [Nix19].  
**Niels** [AH13, Bro73b, FK85, Kle10, Moo66, Rub97, SM08]. **Nineteenth**  
[Tho65]. **Nineteenth-Century** [Tho65]. **ninety** [HJS70]. **niobium** [Rot74].  
**nitride** [ATS86, Bur86, Hwa82, Hwa83, Vas90, Wan96]. **Nitrogen**  
[Ano22, Rut19h, RRRKH94, Rut10a, Whi82, Rut19g]. **níveis** [dAMxx]. **No**  
[Ano23b, Ano09c, Kra76]. **Nobel** [Adl03, Ano37i, Clo18, How58, Jar08a,  
Lau37, Adl12, Ano08b, Ano09a, Ano09a, Ano16, Cam00, Cra84, CSW96,  
CSW97, Far53, Far63c, FR13a, Jar08b, Kri19c, Tho08a, Tho08b].  
**Nobelpreis** [CSW97]. **Nobelpreisträger** [Tho08a]. **Nomenclature**  
[Rut10e, Rut13i, RG11]. **Non** [Ole81, RRRKH94, BP93, LMC97, Low79].  
**Non-Rutherford** [RRKH94, BP93, LMC97]. **Non-Technical**  
[Ole81, Low79]. **Nondestructive** [BSS88]. **Normal** [Rut11e, WZS<sup>+</sup>91].  
**North** [Whe18]. **Northern** [Whe18]. **Northumberland** [Ano17b]. **Notable**  
[Kha20]. **Note**  
[Dem03, RS02d, RS02e, Rut05d, Rut11f, Rut12c, Rut29f, Rut16e, Rut05j].  
**Notes** [AG13, Ano02, Cha64, Eic72]. **nötige** [RM00b]. **novel**  
[DM96, Nic32, Rut16e]. **November** [Ano48, Lov75, Rut27e, Rut27j, Rut28a,

Rut28g, Rut29j, Rut29k, Rut30a, Rut30h, Rut37a, Rut14]. **Novodobá** [Rut38b]. **noyau** [Hei34]. **noyaux** [CCJ+34]. **Nuclear** [AK11, All64, dCA56a, dCA56b, dCA58, Ang00, Ano94, Ano00b, Ano11, Anoxxa, Anoxxd, Bad83, BB36, Boh61, Bri65, CT65, DeB19, DMPA08, Dyl20a, Fre12, Gam30, Gea62, Gra64, Hug12, Jen00, Kri16, Kri19d, Lav14, Mas72, Nix19, OKR35b, OKR35a, RCRC92, Rom60, Rom82, Rut20g, Rut20e, Rut66c, Sea88, Seg85, Sei86, She83b, Stu94, Stu18, Ten20, Tre75a, Wat93, Ada72, AG13, And73, Ano17d, Bad05, Bey49, Cam11, Cat93, CAN88, FLP+89, Gan18a, Gar62, GA71, Hei67, Her77, Hug93, Hug00, Kae48, Leo05, MBS+04, NBG+84, Oak19, Pae15a, RCRC90, RC13, Ree15a, Rut21d, RA45, SHAI09, Shi72, STB+01, Sie11, Stu83, WH72, Wen53, Whi82, ZWJ+02, vW35, Rez21, Stu79a]. **nucleation** [FGM+00]. **Nuclei** [BB36, CR12, Gam29a, Rut25a, Rut25g, Rut26f, Rut27f, RAC+29, RCE+32, RJ65, Rut70e, Rut70g, CK33, CCJ+34, Fel19, MDJF83, Rez28, Rut25f, RC25, Rut30b, Rut30c, Rut30d, Rut30e, Rut33i, Rut34g, ZB74]. **nucleosynthesis** [Cot10]. **Nucleus** [Ano06, FR13f, FR13j, Kow53, Kra12, Pei53, Rut70f, Stu86b, Cat12, Gam28, Hei34, Hou30, LSN+09, Pae15b, Rez29, Rez32, Rut24d]. **Nuklearnoe** [Rez21]. **Number** [Dar56b, Mar61, Mos12a, MR14, RG08a, RG08e, Dar56a, GF10, Lee98, Stu00]. **Numbering** [Jaf71, Jaf72, Sar27]. **numération** [RG08c]. **nur** [CSW97].

**O** [Cat93, Coh40, IFSI94, KKK+99, OaHNM98, Rez29, Rez32, FGM+00, FIY+99, IFSI94]. **O.M** [dCA37, Ano36a, Ano37h, Ano46a, Ano66b, Boh26, Boh37, Bra37, Cha37, Cro35, Eva39a, Eva39b, Eve37, Rut28a, Rut28g, Rut29j, Rut29k, Rut30a, Rut30h, Rut31a, Rut31e, Smi37, Sod37, Tho37a, Tho37b, dB32]. **O.M.** [Eve39, Eve13, Swa40]. **Oaks** [Wel90]. **obey** [MDJF83, ZB74]. **Obituary** [dCA37, Boh37, Bra37, Cha37, Eve37, M.39, Rut28b, Rut34f, Rut35j, Smi37, Sod37, Tho37a, Tho37b, Clo18, Dit80, Lab38, Lai37, Mar38, Mil38, Tho70, Ano38c, Bur38, SR37, Som38]. **oblique** [Wan96]. **obras** [dAMxx]. **Observation** [NOSK08, NOH+10, OHN+09, NFM+07]. **observed** [CFMO12, OHR34a, OHR34b, RC24c]. **Obtained** [Ano06, LFA+04, SLA+00]. **Obtaining** [Mos12b]. **October** [CCJ+34, Far01, Stu79b, Wel90]. **octobre** [CCJ+34]. **offers** [Bod20]. **office** [Ano18a]. **Ogni** [Sno68]. **ohmic** [Wuy91]. **Old** [Kae36, NL00, Rut35c, Ano09c, Ten20]. **Oliphant** [Bat72, Sei86, Tre73]. **Once** [Ano32b, Tre75d]. **One** [AK15, Ell60, Gib19, Ano18c, Jar08b, Lew02]. **Only** [Ano32b, CSW97]. **Onnes** [Pia24]. **Onward** [Ano32a]. **open** [Ten20]. **Opening** [Rut09e, RCE+32, RSA+34b, RSA+34a, Rut34g]. **opens** [Ano18d]. **Operation** [Ano37i, Lau37, Ano37c]. **Opinion** [Wil15]. **opportunity** [EMR07]. **Opposition** [Kra11]. **Optical** [CR12, RMM+13]. **optics** [SC13]. **Optimized** [SWZ+05, SML91]. **Optimum** [BELG68]. **Opto** [McG84]. **Opto-Electronics** [McG84]. **Orbits** [Elf14]. **Ordering** [NOSK08]. **Ordinary** [Rut03c]. **Origin** [Ano94, Bad68, Rut07c, Rut07d, Rut07i, Rut15e,

Rut29g, RE31, Rut32d, Rut32e, RB32, Rut88, Stu94, Bol05, Rut07b, Rut07k, Rut08b, Rut12b, Rut12c, Rut12h, RC24c, Rut27l, Rut27h, Rut31d, Rut31c]. **originally** [Bey49]. **origine** [Rut12b, Rut12c]. **Origins** [Cho01, Gea14b, Hug12, Bad79a]. **oscillation** [KY11]. **Oscillations** [Sho82, NBG<sup>+</sup>84]. **other** [Wal18]. **Otto** [CSW97, BW80, CSW97, Hah67b, She83b]. **Our** [Ano99, Mac11, Sat18]. **ouvrage** [Mon66]. **Overhead** [Eic72]. **overlaps** [Lia80]. **overlayer** [NFM<sup>+</sup>07]. **Overturnd** [Kri19a]. **overview** [CAN88]. **Oxford** [Ble02, Rut33h]. **Oxidation** [KEJ87, SPL<sup>+</sup>08, NBG<sup>+</sup>84]. **Oxide** [Bau73a, Bau73b, Sha87b, TMJ<sup>+</sup>99]. **oxides** [Sin93, TF89, Win94]. **Oxygen** [ERM95, Rut19g, Cat93, NFM<sup>+</sup>07, RRKH94]. **oxynitrides** [TGDS99].

## P

[Ano66a, Kap66b, Mon66, Pia24, Tre76a, Whe04, MCJK90, SSWB80a, Sad81]. **p-phenylenevinylene** [MCJK90]. **P**. [Lov76, Rad13]. **P.R.S** [Boh26]. **Packaging** [KT84]. **Paid** [Ano37i, Lau37]. **Palace** [Hil17]. **Palladium** [PNFO88]. **Palladium-tin** [PNFO88]. **Palmerston** [Dun18]. **Pantheon** [Dys05]. **paper** [Rut12c]. **Papers** [Ano33c, Ano64, Aro65a, Aro66, Bur64, Cha14a, Cha14b, Cha14c, Coc63, Osg66, RC62, Seg62, Seg64, Seg66, Stu79b, Ano66e, Cha65, Rez71, Rez72, Rön58, RC63, RC65, Whe04, Wri64, Kap74]. **parallel** [Dow08]. **Paramount** [Kae39]. **Paris** [Ano48, Oli47, Ano19]. **Park** [Wil15]. **Part** [Mos13c, Ano16, RS02k, RS02j, RS02l, RS02m, Coh89, Coh91, Coh92, Mor84, Mos14b, RS02b, RS02g, RS02a, RS02h, Rut04g, Rut04h, Rut20b, Rut20c, Rut20d, Rut21a, Rut21b, Rut21c, Rut22j, Rut22k, Rut22l, Rut22m, Rut22n, Rut22o, Rut26b, Rut26c, Rut26d, Rut26e, Rut26i, Rut26j, Rut26k, Rut26l, Rut27a, Rut27b, Rut27c, Rut27d, Rut28d, Rut28e, Rut28f, Rut29b, Rut29c, Rut29d, Rut29e, Rut30b, Rut30c, Rut30d, Rut30e, Rut35f, Rut35g, Rut35h, Rut35i, Ten20]. **Partial** [Rus51]. **Particle** [Ano08a, Ano32a, Fea77, Mal71, Ano00a, RG08d, RR08e, RR09b, RR09d, Rut23n, Rut23o, Rut24j, Rut66a, Rut70b, Wei11, Fea79, NM12, Rut06l, RG09a, RR09c, Rut23m, vdB07]. **Particles** [Mar61, Mos12a, Nia98, OH64, Rut06k, Rut08a, RG08a, RG08e, Rut08f, RW16, Rut19e, Rut19f, Rut19g, Rut19h, RC21a, Rut21e, Rut23k, RC24a, RWL31a, RWL31b, RLB33, RK34, WR31, GM09, GF10, GR12, GM13, Glo20, Hei68, Leo05, Rez24, Rit92, RH06a, RH06b, Rut06m, Rut07g, Rut07h, Rut07j, RG08b, Rut08c, Rut08d, RG08c, RG09b, RG10, Rut11i, RN13, RR13a, RR14, Rut16d, Rut19b, Rut21g, RC22, RC24c, Rut24l, RC25, RC27, Rut31d, Rut31c, Rut34g, Rut10a, Rut12, Tre74b]. **particulate** [TGP11]. **particules** [RH06a, Rut07h, RG08b, RG08c, RR09a]. **Partnership** [Coh97]. **passage** [TR96]. **Passing** [Rut06k, Rut06l]. **passion** [Hil17]. **Past** [vG95]. **path** [Fow83, Gan17]. **path-breaking** [Gan17]. **Patrick** [Lov75]. **Paul** [Kle10, Tes19]. **Pauling** [Gri09]. **pay** [Ano37j]. **Payot** [Mon66]. **Pb** [Cat93, ERM95]. **PBFA** [KLL<sup>+</sup>90, LSK<sup>+</sup>88]. **PBFA-II** [KLL<sup>+</sup>90, LSK<sup>+</sup>88]. **Pd** [SCP<sup>+</sup>91, vdK89]. **Peace** [Ano16]. **peak** [Wie78]. **Penetrating**

[GRR<sup>+</sup>31, Rut02b, RC03, RdCENdCA14b, Rut29h, Rut02c, Rut14g, Rut17].  
**People** [Ano02]. **perihelion** [Far87]. **Period** [Hol30, Coc46]. **Periodic**  
[Rut34o, Kra13, vdB07, vdB13]. **periodische** [vdB07, vdB13]. **Perry**  
[EMR07, Tip13]. **Personaggi** [Seg76]. **Personal**  
[Ano02, Ano04a, Ano08c, Cha64, Dal50, Kay63, Oli72b, Coc46].  
**Personalities** [Dyl20b, Seg76, Ano04]. **Perspective** [RN04, Seg85].  
**perturbations** [HZ15]. **perturbed** [Agu96]. **Petite** [Mon66]. **Petr** [Rub97].  
**Phase** [Mar72, Yuh92, AAPN06, CFMO12, DJBW83, Lu87]. **PhD** [Ano99].  
**phenylenevinylene** [MCJK90]. **Philosopher** [BHN98]. **Philosophical**  
[Ble57]. **Philosophy** [RN04, Mor75]. **phosphorus** [HHAMS93]. **photo**  
[CBZ<sup>+</sup>12]. **photo-induced** [CBZ<sup>+</sup>12]. **photo-voltage** [CBZ<sup>+</sup>12].  
**photodissolution** [REJ86]. **photoelectron**  
[And90, Bra98, Bur86, CSN<sup>+</sup>00, Sin93, Vas90, Win94]. **Photographic**  
[GR12]. **Photonic** [SC13]. **photoresist** [RKL88, vIS89]. **Phys** [Hwa83].  
**Physical**  
[BP70, Cat93, Har07, Har60, Hei71, Rut09i, Rut13e, Tre79a, Ano12b, RCO<sup>+</sup>54].  
**Physicians** [Sla13]. **Physicist**  
[Ano07, Ano37i, Ano37j, BHN98, DeB19, Dyl20b, Hop21, RC04, RCRC05,  
Bad04b, Badxx, Gan18a, Ged16, Hei74, Lau37, Meh73, Wal18]. **Physicists**  
[Bar71, Pod10a, Sla13, Ada72, Bad05, Bre97, Cam79, Cli65, Cli87, Cro01,  
Seg80a, dR85]. **Physics**  
[AK11, Ang00, Ano20a, Anoxxa, BB36, Boh63, BBSR69, BS79, Ano81, Bur82,  
Cra84, Cro74a, Dea03, DMPA08, Eve06, Far16, Fea62b, Hei79b, Hon03,  
Hug12, Kae39, Kri19a, Mas72, Meh73, Mot63, Pod10a, Pye78, RN04, Rom60,  
Rom82, Rut27i, Rut38a, Sei86, She83b, Sin81, Stu79b, Stu85, Stu18,  
VRWB12, Wei70, Whe80, AG13, Ano95, Ano17d, Ano18c, Bad83, Bal19,  
Bey49, Bod20, Boh87, Bra09, Buh98b, Cli87, Con62, Gam85, Glo20, Hag17,  
Har38, Hei79a, Hen84, Hug93, Hug00, Kae48, KHFA67, Lon03, Lon16d,  
LRdB<sup>+</sup>23, Mor74, RC13, Ree15a, Rut09b, Rut09c, Rut35d, Seg76, Sha87a,  
Sim96, Stu79a, WP85, Wei11, WH72, Wei72, Wei85, Wen53, Wil74, Wri64,  
Adl03, Ano09a, Ano18e, Clo18, CCJ<sup>+</sup>34, FR13i, Fre12, Tes19, Ano12a].  
**Physik** [Buh98b, Rut09b, Rut09c]. **physique** [CCJ<sup>+</sup>34, LRdB<sup>+</sup>23]. **Picton**  
[Wad20]. **Pictures** [Ano23b]. **Pierre** [DMPA08, Gri09, Ril70]. **piezoelectric**  
[Rut15b]. **piezoelectricity** [Kat12]. **pileup** [Wie78]. **pinch**  
[HFD<sup>+</sup>99, RFF<sup>+</sup>01]. **Pioneer** [How58, RCRC90, RCRC92, Kau86, Nix19,  
Pol91, Row55, Row57, Ano60, Ble57, Bir57]. **pioneering** [Bod20, Ged16].  
**pioneers** [Ano17a]. **Pitcher** [Mor84]. **Place** [Ano18f, Wal18]. **places**  
[Ano18c]. **Planck** [Ole81, SR37, Kle66, Rut29f, SR37]. **Plancks** [SR37].  
**plane** [IOI<sup>+</sup>11]. **Plants** [RMM<sup>+</sup>29]. **Plasma** [EMVK90, Sin93, Oeh86].  
**plasma-etched** [Oeh86]. **plasmas** [vBBD<sup>+</sup>92]. **Plastic** [Gre07]. **plates**  
[Mos13b]. **plating** [PNFO88]. **Platinum** [Rut01f, Rut01a]. **play** [Nix19].  
**pleochroic** [JR13]. **plots** [SDD<sup>+</sup>08]. **Plutonium** [Ber07]. **PM** [Ano18d].  
**Point** [Rut09a]. **points** [RS02d, RS02e]. **Polanyi** [Gus12]. **politicians**  
[Ano18a]. **politics** [Mer96]. **Polonium** [Rut10c, Rut10d]. **Poly**

[EMVK90, HW92, MCJK90]. **polyethylene** [KB93]. **Polyimide** [EMVK90, SHCK96]. **Polymath** [Har01]. **polystyrene** [TGP11]. **popular** [Ano33d, Sod02]. **populären** [Sod02]. **Porous** [WMT01]. **Portrait** [Kap80b, Rus51]. **Portraits** [Ano66c, Far01, MB<sup>+</sup>85]. **Portuguese** [dAMxx]. **Positive** [Rut05e]. **positron** [AAPN06, CYM<sup>+</sup>03, FTT96, vdK89]. **Possible** [Cha32b, Rut15f]. **post** [Lu87]. **post-rapid-thermal** [Lu87]. **Postgrowth** [CYM<sup>+</sup>03]. **Postponed** [Ano05]. **potential** [WM88]. **Potentials** [Mos12b, Mos13a, ST76]. **Pounds** [Ano01]. **pour** [RC12a]. **Power** [All64, Ano22, Ano17, Eva39a, Eva39b, Ano23b, HBA77, Rut17, SBEO86, Ten20]. **Powered** [Ano33a]. **Powerful** [Coo13]. **Pp** [Bat72, Bro86, Bur64, Hei71, Mos13b, Pip01, Sin81, Stu85, Ble57, Dav37, Dys05, Pia24, Stu79b]. **pp**. [Opp64]. **Practical** [Fre79, MG12]. **Practice** [Hug08, Kap74, Kap80a, Ged16]. **Praises** [Ano23b]. **précédent** [Rut12c]. **preceding** [Rut12c]. **Precursor** [Kri16]. **Preface** [Fre12]. **Preis** [CSW97]. **Preliminary** [Rut16e]. **première** [Mon66]. **Preparation** [Rei79]. **prepared** [YKH<sup>+</sup>84]. **Present** [Rut05f, Rut06d, Rut86]. **Presentation** [KH23]. **presents** [Ano18e]. **President** [Ano23b, Rut28g, Rut09i, Rut27e, Rut27j, Rut28a, Rut29j, Rut29k, Rut30a, Rut30h, Rut31a, Rut31e]. **Presidential** [Rut23p, Rut23s]. **Press** [Bro86, Dav37, Hei71, Szy85]. **pressure** [Hwa82, Hwa83, YHS97]. **Pretreatment** [ERM95]. **prevrashhenija** [Rez28]. **price** [CSW97]. **Principle** [Wer23]. **Prior** [Ale46]. **priority** [Ano18b]. **Prize** [Adl03, Ano09a, Ano09a, Clo18, Jar08a, Tho08a, Tho08b, Adl12, Ano08g, Ano36a, Ano37i, Ano46a, Ano16, Cam00, CSW97, Far53, Far63c, FR13a, Jar08b, Lau37]. **Prizes** [Cra84, Ano08b]. **Probabilistic** [Bab71]. **probability** [RG10]. **probably** [Bre97]. **problem** [dB70]. **Problème** [dB70]. **Problèmes** [Rut05c]. **Problems** [Liv62, Zim69a, Zim69b, Kat15, Rut05c, Rut05f, Rut06d, Rut86]. **Proceedings** [Raz63, AK15, Stu79a, WH72, Bir61, Wel90, Hay63]. **process** [IYT<sup>+</sup>09]. **Processes** [Rut03g, STB<sup>+</sup>01]. **Produce** [RM00b, RM00a, RM01]. **Produced** [HS89, MR14, Rut99, Rut00a, Rut10f, Rut12f, Rut00c, Rut00d, Rut00f]. **Product** [Ano37i, Lau37]. **Production** [Bol06, Rut07i, Rut07e, Rut28c, BR11a, BR11b, BR11c, CAN88, Rut07b, Rut07k, RB15, BR11d, RB09]. **Products** [MF11, Oak19, Rut05i, RP07, Rut04n, Rut04j, Rut05o, RR13b, Rut05g]. **Produits** [Rut05g]. **Prof** [Mos13b]. **Prof.** [Ano06, Ano08a, Rut28b]. **profession** [Ged16]. **Professor** [Cro74a, FR13i, Ano04b, Ano04c, Ano08d, Ano08e, Ano08f, Ano08g, Ano09a, Gri09, Hah62, Rut29f, Sod02, Sod03]. **professors** [Ble02]. **Profile** [Ano59, ATS86, Cle81, IYT<sup>+</sup>09, LRF86, ZCS<sup>+</sup>12]. **profiles** [MCJK90, PMCF<sup>+</sup>06, SLA<sup>+</sup>00, Win94]. **profiling** [BSS88, MBS<sup>+</sup>04, NJS<sup>+</sup>03, PPA<sup>+</sup>02, vIS89]. **Progress** [Rut33b, Ano33d, Ano18c]. **Project** [Mar61, Reel5a, Sch15]. **Projectiles** [Rut19a, Rut23a, Rut23b, Rut23c, Rut23d, Rut23e, Rut23f, Rut23g, Rut23h,

Rut23i, Rut23j, Rut32a, Rut70a]. **Projector** [Eic72]. **Proof** [HS89].  
**Propagation** [Hon98, Hon03, Rut26g]. **properites** [Eve05]. **Properties**  
 [Rut05k, Rut06h, Rut08i, Rut10c, Rut10d, Rut24e, Rut24f, Rut24g, Rut24h,  
 Rut28c, Cat93, CCJ<sup>+</sup>34, Mak08, Rut05m, Rut06i, Rut06j, Rut23a, Rut23b,  
 Rut23c, Rut23d, Rut23e, Rut23f, Rut23g, Rut23h, Rut23i, Rut23j, Rut31f,  
 Lor70a]. **Proportion** [RB05a, RB05b, RB06a, RB06b]. **propriétés**  
 [CCJ<sup>+</sup>34]. **Prospect** [Ano23b]. **Protection** [Rut36g, Rut36j, Rut36k].

**Proton**

[Ano19b, BP93, Muk19, Rom97, Ano17b, Cam19, CS19, Sut19, YHS97].  
**protonated** [HW92]. **Protonen** [MMKS<sup>+</sup>80]. **Protons**  
 [Ano32b, CW32, Elf14, OR33, OKR33, Clo18, Fel19, MMKS<sup>+</sup>80]. **prouton**  
 [Rom97]. **Pt** [NBG<sup>+</sup>84, OaHNM98, SCP<sup>+</sup>91]. **Public** [Nic32, Rut34m].  
**Publications** [Foc39, Pip01, Sin81, Stu79b]. **Published**  
 [Aro66, Kay63, Seg62, Seg64, Seg66, Cam19]. **pulse** [Wie78]. **pulsed**  
 [YHS97]. **Pumpkin** [Gus12]. **Pure** [Ano23b, Co013]. **pursuit** [Sut19]. **Puts**  
 [Ano38b]. **Pyrolytically** [ERM95].

**Quaker** [Sta03]. **quality** [KIS<sup>+</sup>89]. **Quanta** [Kle66, dB70]. **Quantentheorie**  
 [Gam28, Gam29b, Hou30, Pol60]. **Quantenwelt** [Arr06]. **Quantitative**  
 [Par96, PMCF<sup>+</sup>06]. **quantités** [RC12a]. **Quantities**  
 [RC12b, Eve05, Rut05j, RC12a]. **Quantity** [JBS12]. **Quantum**  
 [AH13, Arr06, Hon03, Nia98, Bai13, Cli65, Cli87, Con62, Gam28, Gam29b,  
 Gam85, Hou30, KHFA67, PPA<sup>+</sup>02, Pol60, SC13, Tem89]. **quarks**  
 [Clo18, Seg80a]. **quarter** [Ano33d, Rut33j]. **Québec** [Ano09b]. **quelques**  
 [RC12a]. **questioners** [Cli65]. **questions** [And73]. **quote** [Ano50].

**R** [Ano81, Pia24, Sin81, Stu79b, Whe80, dB14]. **Race** [Dys05, Cat04]. **radar**  
 [Fra05]. **Radiation** [FR13e, Hes00, Jor16, MM12, Pod10a, Rut97a, RO99,  
 Rut99, RC03, Rut04g, Rut04h, Rut04o, Rut06b, Rut11a, Rut28c, Rut29a,  
 AB09, Rut97c, Rut00d, RG02a, Rut06n, Rut17]. **Radiations**  
 [MR14, Rut12f, Rut15i, Rut15g, Rut15h, Rut16b, RCE30, RCE51, Rut70c,  
 Rut10b, RB02a, Rut12g, Rut13b, Rut13f, Rut13g, Rut29h, Rut35f, Rut35g,  
 Rut35h, Rut35i, Poo52, Mil13, Sch31]. **radical** [Ano18a]. **Radio**  
 [Ano08a, Bar06, MG12, McG84, MF11, Rut00c, Rut01c, Rut02b, Rut03c,  
 Rut04l, Rut04c, Rut04k, Rut05p, Rut05h, RB05b, Rut06a, RB06a, RB06b,  
 RG08a, Rut13f, Rut13i, RC19, Rut70d, Rut04, Rut07a, Sod04, Cat93,  
 Rut00g, Rut00b, RS02f, RS02j, vdB13, Tre79b]. **Radio-Active**  
 [Rut04l, Rut05p, RG08a, Rut13i, MF11, Rut01c, Rut02b, RB05b, Rut06a,  
 RB06a, RB06b, Rut13f, Rut00g, Rut00b, RS02j]. **Radio-Activity**  
 [Ano08a, Bar06, MG12, Sod04, Rut00c, Rut03c, Rut04c, Rut04k, Rut05h,  
 RC19, Rut70d, Rut04, Rut07a, RS02f, RS02j, Tre79b]. **radio-frequency**  
 [Cat93]. **radioactifs** [RB06a]. **Radioactive**  
 [Ano37i, Bad68, CDE<sup>+</sup>31a, CDE<sup>+</sup>31b, CDE<sup>+</sup>31c, Fre79, Hol30, Lau37, Poo52,  
 Rut06b, Rut06e, Rut06f, RL07, Rut08a, RG08e, Rut08f, RR09d, Rut11c,

Rut12g, Rut27f, RCE30, Rut35e, RCE51, Rut07b, Sch31, Tre71a, Tre76b, CR21, Mak08, Rut00e, Rut01b, RB02a, RG02a, RS02k, RS02l, RS02m, Rut02c, RG02b, RS02i, RS03a, Rut04m, Rut04i, Rut04b, Rut04a, Rut05b, Rut06n, Rut07h, Rut07j, RG08c, RG09b, RR09b, RR09a, RG11, Rut11e, Rut12a, Rut12b, Rut12c, Rut12h, RR13a, RR14, Rut27l, Rut27h, Lor70b, Rut10b, Ano31a, Mec14, RS03b, Rut03g, Rut13b, Rut13g, Hub13, Mil13].

**radioactiven** [Rut04a]. **radioactives** [Rut06b, Rut07h, RG08c, RR09a, Rut12b, Rut12c]. **radioactivists** [Hug93, Lon16c]. **Radioactivité** [Rut05c, Cur10]. **Radioactivity** [Adl97, Ano00b, Ast70, Bad65, Bar05, CR21, FR13g, GLR06, GLR12, GT95, Hug12, Kra12, Mon66, Roe95, Rom64, Rut00a, Rut01d, RA02b, RS02c, RS02i, RS03c, Rut03e, Rut05d, Rut07f, Rut08g, Rut11d, Rut22j, Rut22k, Rut22l, Rut22m, Rut22n, Rut22o, Rut22h, Rut22i, Rut35b, Rut35c, Rut36h, Rut37g, Sod03, Tan77, Tre71b, Tre71a, Tre75c, vG95, Bad69, RS02b, RA02a, RS02g, Rut02a, RS02k, RS02l, RS02m, Rut02d, RS02a, Rut02e, RS02h, Rut03h, RS03d, Rut03d, Rut04d, Rut05c, Rut05f, Rut06d, Rut09l, Rut24c, Rut32b, Rut86, Rut00f, Rut07a, Rut36f, Rut15, Fea70, Hei71, Oes70].

**Radioaktive** [Rut13b, Rut00e, RL07, Rut13g]. **radioaktiven** [Ano31a, RG02a, Rut02c, RG09b, Rut11e, RR13a]. **radioaktiver** [Rut01b, Rut04b, Rut05b]. **Radioaktivität** [RS02b, RA02a, RS02a, Rut02d, Rut02e, Rut07a, Rut32b, Rut36f, Rut15].

**radioattività** [Bel82]. **Radiochemistry** [AM95, Adl12, Bad79b, Kau86].

**Radioelemente** [vdB13]. **Radiological** [dR85]. **Radiologie** [Rut13b].

**radiology** [Rut13b]. **radionuclide** [ESWW82]. **radiothorium** [Tre83].

**Radium** [Ano04c, Ano06, Ano09c, Ano22, Bol06, Cam15, CDE<sup>+</sup>31a, CDE<sup>+</sup>31b, CDE<sup>+</sup>31c, Kae48, Lav14, Mos12a, Mos12b, MM12, Mos13a, MR14, RB01, RB02b, Rut03a, RB03a, RB03b, Rut04c, RB04a, Rut04e, Rut04f, Rut04g, Rut04h, Rut04o, Rut05a, Rut05d, Rut05l, RB05b, Rut05k, Rut05i, Rut06c, RB06b, Rut06g, Rut06h, RP07, Rut07g, Rut07c, Rut07d, Rut07i, Rut07e, Rut08i, RR08b, Rut09a, RB09, RT09, Rut10e, Rut11g, RR12, RC12b, Rut12e, Rut13a, Rut14l, RdCENdCA14b, RdCENdCA14a, Rut15e, Rut19d, Rut21h, Rut24j, RW25, RWW30, RWL31a, RLB33, Rut70b, Sla13, Bol05, BR11a, BR11d, BR11b, BR11c, DMPA08, Eve05, Har05, RS02d, RS02e, Rut03b, RS03d, Rut03f, Rut04d, RB04b, Rut04n, Rut04j, RB04c]. **radium** [Rut05j, RB05c, RB05a, Rut05g, Rut05n, Rut05m, Rut05o, Rut06i, RH06a, RB06a, Rut06m, Rut06l, Rut06j, Rut07b, Rut07k, RR07, RR08d, RR08a, Rut08b, Rut08h, RR08c, Rut09j, Rut11b, Rut11e, Rut11h, RC12a, Rut12d, RR13d, RR13f, RR13e, RR13c, Rut14g, Rut14f, RC24c, Sod08, Sod20, Sod22, Sod02, Sod04, Tod14, BR11a, BR11c, Ree16, Rut14j]. **Radium-emanation** [Rut04e]. **Radium-Standards** [CDE<sup>+</sup>31a, CDE<sup>+</sup>31b, CDE<sup>+</sup>31c].

**Radiumemanation** [Rut11h, RR12]. **Radiummengen** [Rut05j].

**Radiumnormalmasse** [Rut11e]. **Radiums** [Rut08b, Sod02, Rut06i].

**Radiumstrahlen** [Rut03b]. **Radon** [Bre00, MM03, RCRC04, Ste83]. **raggi** [Car98]. **Raman** [Cla13, Rut29i]. **Ramsay** [Ano19, Cla13, Mon66, Tre74a].

**Range**

[GRS<sup>+</sup>91, RWL31a, RLB33, RW16, Rut16d, Rut21g, RC24c, Rut31d, Rut31c].

**Rapid** [Ano23b, GHCA91, LxW99, Lu87]. **Rapports** [CCJ<sup>+</sup>34, LRdB<sup>+</sup>23].

**Rare** [Eva96, FF17, BSS88, Rut26i, Rut26j, Rut26k, Rut26l, Sme97a].

**rare-earth** [BSS88]. **rarefied** [Rut29b, Rut29c, Rut29d, Rut29e].

**rasshheplenie** [Rez23]. **Rate** [Ano23b, Rut97c]. **Rational** [Nia98]. **ratios**

[PNFO88]. **Ray**

[Coo13, Mos14a, Rut14k, Rut29a, Tre79b, And90, BBR80, Bra98, Bra61, Bur86, CYM<sup>+</sup>03, CSN<sup>+</sup>00, CCR85, CBZ<sup>+</sup>12, DHS97, HV84, KKK<sup>+</sup>99, KBvB<sup>+</sup>05, KSKF93, PAF<sup>+</sup>98, PCK<sup>+</sup>08, Rut14i, Rut16c, RW25, SER<sup>+</sup>01, SC13, Sin93, Sku89, SDD<sup>+</sup>08, Ten20, Vas90, Win94, WVH<sup>+</sup>99, WYV<sup>+</sup>99].

**Rayleigh** [Cla13]. **rayonnement** [Rut06b]. **rayons** [Rut12b, Rut12c]. **Rays**

[Ano22, Bau73a, Cha12, FR13g, GRR<sup>+</sup>31, Gen95, MD13b, MD13a, Nia98, Rut97a, RM00b, RM00a, RM01, Rut02b, RB04a, Rut04f, Rut05a, Rut05k, Rut06c, Rut06h, Rut09f, Rut10f, Rut11j, Rut12e, RdCENdCA13,

RdCENdCA14b, RRR14, RdCENdCA14a, Rut15e, Rut27a, Rut27b, Rut27c, Rut27d, RWWW30, RE31, Rut32e, RB32, RWLB33, Rut66b, Lor70d, Tre76b,

Bau73b, Car98, CK33, Rön58, Rut02c, RG02b, Rut03b, Rut03f, RB05c,

Rut05e, Rut05n, Rut05m, Rut06i, Rut06j, Rut10g, Rut12a, Rut12b, Rut12c,

Rut12h, RR13d, RR13f, RR13b, RR13e, Rut14g, Rut14h, Rut14f, RB15,

RBR15, Rut18, Rut25c, Rut26b, Rut26c, Rut26d, Rut26e, Rut27l, Rut27h,

Rut31d, Rut31c, Rut32d, Rut33i, Seg80a, TR96]. **razlozhenie** [Rez25]. **RBS**

[Fow83, RMM<sup>+</sup>13]. **re** [Ano71b]. **re-evaluated** [Ano71b]. **reached** [Ano19].

**reaction** [And73, Cat93, FLP<sup>+</sup>89, HV84, MBS<sup>+</sup>04, Pae15a, SHAI09,

STB<sup>+</sup>01, Whi82, ZWJ<sup>+</sup>02]. **Reactions** [Ang00, Kri16, Rut29i, MBS<sup>+</sup>04].

**reactive** [Rei79]. **reader** [HT10]. **Reading** [Ano38b]. **real** [SDD<sup>+</sup>08].

**real-time** [SDD<sup>+</sup>08]. **Realism** [Hug90]. **reality** [Jak79]. **Really**

[Jen11, Sat18]. **realm** [Kae48]. **Reanalysis** [VV09]. **reasoning** [Lon03].

**Received** [Bad66, CSW97]. **Recensioni** [Mec14, dB14]. **Reception** [Tan77].

**Recognizes** [Ano23b]. **Recoil**

[SHCK96, Tre75d, RRKH94, SHAI09, Sin93, YKH<sup>+</sup>84]. **Recollections**

[Ano66a, Bat72, Dev71, Kap66a, Kap66b, Kap73b, Kap80d, Kay63, Lew72,

Moo78, Oli72b, Tho36, Tho37c, Tho75, Tre73, Oli72a]. **recombination**

[HFD<sup>+</sup>99, Rut97c]. **Reconstruction** [Nia98, NM12, RN04]. **Recorded**

[Sme97b, Kay63]. **records** [Sme97a]. **recovery** [ZWJ<sup>+</sup>02]. **Rede** [SR37].

**Reefton** [McC19]. **Reflection** [MD13a, RdCENdCA13, GM09, KBvB<sup>+</sup>05].

**Reflections** [Lew72, Tho36, Tho37c, Tho75]. **reflectometry** [PCK<sup>+</sup>08].

**Reflexion** [MD13b]. **refractory** [Her84]. **Refugee** [Seg85]. **regime** [HZ15].

**Region** [MKM<sup>+</sup>07]. **registration** [GR12]. **regular** [Elf14]. **Reichweite**

[Rut31d, Rut31c]. **Reissue** [Poo52]. **Relations** [RC29]. **Relative**

[RB05b, RB06b, RB06a]. **relativity** [Cha76, Wer23]. **Released** [OKR35b].

**Releasing** [Ano23b]. **Reluctant** [Kri19d]. **remains** [Wal18]. **Remark**

[Her72, Rut33i]. **Remarkable** [Ano22]. **Remarks** [Rut03e]. **Reminiscences**

[dCA68, Boh61, Hah62, Kay63, Wil60, Coc46]. **Reply** [MM04, Ano09a].



**Report** [CDE<sup>+</sup>31b, Rut08b, Rut27k, Rut34h, KHFA67, Rut15j, Rut15k, Rut15l, Rut25h, CDE<sup>+</sup>31a, CDE<sup>+</sup>31c, Mar61]. **reported** [Bey49]. **Reports** [Ano19, RSWE27, LRdB<sup>+</sup>23, CCJ<sup>+</sup>34]. **Represented** [Ano37j]. **Reprint** [Ano36b]. **reprints** [KT88]. **reproductions** [Wri64]. **Required** [RM00b, RM00a, RM01]. **Research** [Ano38b, EC13, FF17, Kri16, Rut11f, Rut27i, Rut30i, Tre79b, Ano23b, How58, RA45, Wel90, Ano09a]. **researchers** [Fla17]. **Researches** [Sod02, Rut33d, Rut33e, Lor70d, Rut70d, Lor70e, Sod03]. **Reservoir** [Wil15]. **resistance** [SCP<sup>+</sup>91, SDD<sup>+</sup>08]. **Resisting** [Kra11]. **Resolution** [LHB<sup>+</sup>09, NOSK08, Bha82, CFMO12, DGC07, HNS<sup>+</sup>11, HGM<sup>+</sup>94, IYT<sup>+</sup>09, NJS<sup>+</sup>03, NFM<sup>+</sup>07, NOH<sup>+</sup>10, NMSK13, OHN<sup>+</sup>09]. **resolved** [AAPN06]. **resonance** [FLP<sup>+</sup>89, Sin93]. **resonant** [HZ15, MBS<sup>+</sup>04]. **responsibility** [Bad05]. **Resting** [Ano18f, Wal18]. **Restless** [Rom60, Rom82]. **restoration** [Wil17]. **Result** [Ano22, Ano22]. **resulting** [HS39]. **Results** [Ano22, TGMR74, RA45]. **Retardation** [Rut06k, Rut06l]. **Retraction** [Kri19c]. **retrospect** [Stu79a]. **Return** [Ano08f]. **reversed** [HFD<sup>+</sup>99, RFF<sup>+</sup>01]. **reversed-field** [HFD<sup>+</sup>99, RFF<sup>+</sup>01]. **Review** [Ano12a, Ano60, Ano64, Aro65b, Aro65a, Aro66, Bad04a, Bat72, Bel82, Ble57, Bro86, Ano81, Ced00, Coc63, Coh40, Dro20, Dys05, Eck20, Fea70, Gar81, Hay63, Hei71, Her01a, Hil17, Hub01, Hub13, Ihd64, Jew19, Kri20, Lin40, Mos13b, Oes70, Ole81, Osg66, Pia24, Poo52, Raz63, Ree16, Sch31, See65, Seg62, Seg64, Seg66, Sei86, Sin81, Stu78, Swa40, Tre73, Tre75a, Tre75b, Tre76a, Tre77a, Tre85, Tur01, Vuc86, Whe80, Whe04, Ano33d, Opp64, Pip01, Rut33j, HJS70]. **Reviews** [dCAH64, Bir57, Rut00b, Rut00c, Rut00d, Stu85]. **Revisited** [AH13, Stu00, Bre83, Cam09, HBA77]. **Revolution** [Kae48]. **revolutionaries** [Bru79]. **Rey** [Mon66]. **Rezerford** [Kap73a]. **Rh** [OaHNm98]. **RI** [Rut15i, Rut08g]. **rich** [LSN<sup>+</sup>09, SHAI09, KEJ87]. **Richard** [Clo18]. **Richardson** [Ano22]. **ricorrenza** [Car98]. **Right** [dCA37, Boh37, Bra37, Cha37, Eve37, Sch15, Smi37, Sod37, Tho37a, Tho37b, dB32, Ano18a, Ged16]. **Rise** [She83b, Tre71b, Ano18a, Hug93]. **rites** [Ano37j]. **road** [Cam11, McC19, Wad20]. **Robert** [Ano12a, BW80, Sno67, Sno68, Rut33h]. **Rock** [Kae36]. **Role** [Kri19d, PPA<sup>+</sup>02, PCK<sup>+</sup>08]. **Romer** [Mon66]. **Röntgen** [Coo13, Rut97c, Rut97a, RM00b, RM00a, RM01, TR96]. **Röntgenstrahlen** [RM00b]. **room** [DGC07]. **Roots** [Ano99]. **Rotation** [Moo78]. **Rowland** [Ble57, Ano60]. **Roy** [Eck20]. **Royal** [Rut36h, Ano18e]. **rozdjenija** [Kap73a]. **Rt** [Coh40, Swa40, Eve39]. **Rt.** [Eve13]. **Rückstreu** [MMKS<sup>+</sup>80]. **Rückstreu-Analysen** [MMKS<sup>+</sup>80]. **Runge** [Agu96, BB80, Far87]. **Russell** [Eck20, Ano16]. **Russia** [Szy85]. **Russian** [Kap73a, Rez21, Rez23, Rez24, Rez25, Rez28, Rez29, Rez32, Rez38, Rez71, Rez72]. **Rutherford** [dCA37, Ano12a, Ano36a, Ano37h, Ano46a, Ano60, Ano64, Ano66e, Ano66b, Ano09b, Aro65a, Aro66, Bad04a, Bad04b, Bad09, Badxx, Bir57, Bir61, Ble57, Boh26, Boh37, Bra37, Bro86, Bru64, Bru79, Büh98a, Bur64, Cha37, Cha65, Cha14a, Cha14b, Cha14c, Coc63, Coh40, Cra71, Cro35, Dal50, Dav37,

Eva39a, Eva39b, Eve37, Eve39, Eve13, FR13i, Foc37, Gar81, Gei38a, HM31, Har38, Hay63, Hil17, Hwa83, Jar08a, Kra14b, Lak96, Lüd13, M.39, Mil13, Mil38, Mol63, Mon66, Ole81, Osg66, Pei53, Pia24, Pol60, Poo52, Raz63, Rön58, Rut28g, Rut29j, Rut29k, Rut30h, Rut31e, Sch31, Seg62, Seg64, Seg66, Seg80c, Sil71, Smi37, Sod37, SR37, Som38, Stu78, Swa40, Szy85, Tho08a, Tho37a, Tho37b, Tre75b, Tre76a, Vuc86, Whe04, dB14, dB32]. **Rutherford** [dR92, AT886, AAPN06, Agu96, AB09, AK11, Ale46, All64, And90, dCA38, dCA58, dCAH64, dCENdCA64, dCA68, Ano04b, Ano04c, Ano06, Ano07, Ano08a, Ano08d, Ano08e, Ano08f, Ano08g, Ano09a, Ano19, Ano22, Ano23b, Ano33c, Ano33d, Ano36b, Ano37a, Ano37d, Ano37c, Ano37b, Ano37e, Ano37i, Ano37f, Ano37g, Ano37j, Ano37k, Ano37l, Ano38a, Ano38b, Ano38c, Ano46b, Ano48, Ano50, Ano66a, Ano66b, Ano66d, Ano66c, Ano71a, Ano71b, Ano72, Ano05, Ano06, Ano09a, Ano09c, Ano10, Ano11, Ano16, Ano17c, Ano17d, Ano18d, Ano18e, Ano19a, Ano21, Anoxxa, Anoxxb, Anoxxc, Anoxxd, App62, Aro65b, Ast70, Bad67, Bad68, Bad69, Bad71, Bad74, Bad75, Bad79a, Bad83, Bad85a, Bad85b, Bad87, Bad04b, Bad08, Bad09, Bal21, Bar85, BJW97]. **Rutherford** [Bar83, BB80, BKP<sup>+</sup>06, Bau73a, Bau73b, BSS88, BCM13, Bha82, BP93, Bir62, Bir63, Bis90, Bla50, Bla59, Bla72, BBR80, Boa07, Bod20, Boh61, Bou99, Bow14, Bra98, Bra61, Bra04, Bre00, Bre83, Bro73b, Bro62, BPSW91, BVI88, Böh98a, BS79, Ano81, Bur13a, Bur13b, Bur15, Bur64, Bur83, BELG68, Bur18, Bur82, Bur86, Bur38, CGL<sup>+</sup>94, Cam98, Cam99, Cam00, Cam05, Cam09, Cam11, Cam14, Cam19, Car98, Cat93, Cha54, CFMO12, CYM<sup>+</sup>03, CCR<sup>+</sup>03, CLZ99, Cla13, Cla06, Cle81, Coc46, Coc53, Coh88, Coh89, Coh91, Coh92, Coh95, Coh97, CSN<sup>+</sup>00, Con82, Cot10, CCR85, CBZ<sup>+</sup>12, Cro74c, Cro74b, DBE<sup>+</sup>85, DJA<sup>+</sup>04, Dan66, Dar56b, DGC07, Dav71a, Dav71b, Dav37, Dea03, Dee67, Dem03, Dev71, Dev91, DMV<sup>+</sup>96, DHS97, DM96, DBvdV87, Dow08, DYF67, DY68, DJBW83, Dyl20a, Ear66]. **Rutherford** [Eic72, ESWW82, Eld85, Ell60, EFKS96, ESRDV84, ERM95, EMVK90, EC38, Eve39, Eve13, Far63a, Far87, Fea40, Fea62a, Fea62b, Fea72, Fea73a, Fea73b, Fea77, FLK92, FR13b, FR13c, FR13d, FR13a, FR13f, FR13e, FR13g, FR13h, FGM<sup>+</sup>00, Fla17, Flo70, Foc39, Fow72, Fow83, Fre12, FLP<sup>+</sup>89, FTT96, FIY<sup>+</sup>99, Ful13, GHCA91, GW73, Gar62, Gea61, Gei38b, Geo38, GR89, Goo10, Gor55, Gra02, GC00, Gre07, Gri09, Gro89, Gu638, GRS<sup>+</sup>91, HM31, Hah62, Hah67a, HV84, HRM79, HHAMS93, HFD<sup>+</sup>99, HKH96, HNS<sup>+</sup>11, Hau82, Hei68, Hei79b, Hei81, Hei03, Hei67, Her84, Her77, MKM<sup>+</sup>07, HKM<sup>+</sup>09, Hes00, Hil17, Hon98, Hop21, How58, HW92, HZ15, HBA77, Hub13, Hug08, Hug12, HGM<sup>+</sup>94, Hwa82, IYT<sup>+</sup>09, IFSI94, Ish83, IOI<sup>+</sup>11, Jac72, Jak79, Jar08b, Jen11, JBS12, Kae39, Kap73a]. **Rutherford** [Kap66a, Kap66b, Kap73b, Kap80b, Kap80c, Kap80d, Kap80e, KB93, Kat12, Kat15, Kay63, KLL<sup>+</sup>90, KKK<sup>+</sup>99, KOhM94, KBvB<sup>+</sup>05, KSKF93, KIS<sup>+</sup>89, KY11, Kot91, KG91, Kra12, Kri19c, Kri19d, Kri19e, Kru75, KKGW85, KS76, LHB<sup>+</sup>09, Lab38, Lai37, LHNG14, Lau37, LRF86, LGA<sup>+</sup>06, Lee98, LSK<sup>+</sup>88, LSN<sup>+</sup>09, LDLM91, Lew72, Lia80, LGF<sup>+</sup>99, LEM65, LMC97, LxW99, Liv62, Lon16c, Lon16d, Lon16b, Lor88, Low79, Lu87, LCL<sup>+</sup>04, Lüd13, MDJF83,

Mac11, MD69, MB90, Man82, Man76, Man77, Mar61, Mar72, Mar38, Mar54, MM03, MCJK90, Mas72, McC19, McG84, McK62, Mec14, MSB<sup>+37</sup>, MBS<sup>+04</sup>, MMKS<sup>+80</sup>, Moo74, Moo78, Mor75, Mot63, Mot72, Mur13, NJS<sup>+03</sup>, NFM<sup>+07</sup>, NOSK08, NOH<sup>+10</sup>, NMSK13, NL00, Nor79, NBG<sup>+84</sup>, O'S71, O'S72, Oeh86, OHN<sup>+09</sup>, OaHNM98, Oli47, Oli72a, Oli72b, Oli84, Oli85a, Opp64].

**Rutherford** [OH64, Pae15b, Par96, PAF<sup>+98</sup>, Pei88, Pei97a, Pei10, PPA<sup>+02</sup>, PBFt83, Phi83, PNFO88, Pip01, Pod10b, Pol60, PMCF<sup>+06</sup>, PCK<sup>+08</sup>, Rad13, RRKH94, RR95, Ram75, RMM<sup>+13</sup>, RCRC04, RFF<sup>+01</sup>, RSdS<sup>+89</sup>, Ree08, Rei79, LFA<sup>+04</sup>, Rei71, REJ86, Reu81, RSWE27, Ril70, Rit92, RCO<sup>+54</sup>, Rom97, Rot74, Row55, Row57, Rus37, Rus51, Rut26a, Rut27k, Rut29f, SSWB80b, SSWB80a, Sad81, Sar79, SER<sup>+01</sup>, See65, Seg80b, Sei86, SHAI09, SC13, SBEO86, Sha87b, SN05, SWZ<sup>+05</sup>, Sha37, She83a, SCP<sup>+91</sup>, Shi72, Sho82, STB<sup>+01</sup>, Sie11, Sim82, Sin93, Sku89, SLA<sup>+00</sup>, SDD<sup>+08</sup>, Sme97b, Sme97a, Sno58, Sno67, Sno68, Sod02, Sod03, SR37, Sta61, SN67, SHCK96, Stu79b, Stu85, Stu86b, Stu00, SML91, Sut01, SPL<sup>+08</sup>, Tab97, TvBO<sup>+92</sup>, TMO<sup>+95</sup>, TCZY97, TJ11, TF89, Tem89, Ter38, Ter67]. **Rutherford** [Tes19, TMJ<sup>+99</sup>, Tho08a, Tho08b, Tho84, TGP11, Tho65, Tho70, Til96, Tiz46a, Tiz46b, Tod14, TGDS99, TJRS03, Tre71a, TGMR74, Tre74a, Tre74b, Tre75d, Tre76b, Tre77b, Tre79a, Tre79b, Tre83, VPW14, Vas90, Vil05, VV09, WCGC86, WZS<sup>+91</sup>, Wan96, Wei11, WV07, Wer23, WMT01, Whi82, Wic65, Wie78, Wil15, Wil74, Wil83b, Wil83a, WVCW76, Win94, WM88, WVD<sup>+96</sup>, WVH<sup>+99</sup>, WYV<sup>+99</sup>, WCZ<sup>+02</sup>, Wuy91, Wyb72, YKH<sup>+84</sup>, YHS97, Yuh92, ZWJ<sup>+02</sup>, ZCS<sup>+12</sup>, ZB74, Zim69a, Zim69b, del79, vBD89, vBBGO90, vBBD<sup>+92</sup>, vIS89, vdK89, Bel82, Her01b, Bat72, Ced00, Coh40, Fea70, Hei71, Her01a, Hub01, Ihd64, Oes70, Opp64, Sei86, Sin81, Stu79b, Swa40, Tre73, Tre75a, Tre77a, Tre85, Tur01, Whe80]. **Rutherford-scattering** [DBvdV87, SML91]. **Rutherford**. [Lin40]. **Rutherfordium** [Cam97]. **Rutherfords** [Tre74b].

**S** [Ano32b, Ble02, Coh40, Lin40, Lov76, Rut05j, Swa40, RRKH94, LFA<sup>+04</sup>]. **Sallhofer** [Lak96]. **samples** [LGF<sup>+99</sup>]. **Samuel** [Hug08, Kay63]. **Sanctuary** [Rut34k, Rut34n]. **Santilli** [Bur13a, Bur13b, Bur15]. **Satellite** [Stu86b]. **Saturday** [Hil17]. **sawtooth** [TMO<sup>+95</sup>]. **Says** [Ano19, Ano22, Ano23b]. **SbCl** [ESRDV84]. **scale** [Gro89]. **scanning** [FIY<sup>+99</sup>, Ish83, KY11, LHNG14]. **Scattering** [Bau73a, BELG68, Dav71a, Dav71b, DYF67, Ear66, Eic72, Gor55, LEM65, MD69, Mar61, Mar72, Rut11j, Sta61, TGMR74, WMT01, Wic65, Wil74, Agu96, AB09, Bab71, Bar83, BB80, BCM13, BBR80, DM96, DBvdV87, DY68, FLK92, GW73, HFD<sup>+99</sup>, Hei68, Kru75, LGF<sup>+99</sup>, Man77, Pae15b, RR95, RFF<sup>+01</sup>, Rit92, Rut11i, RC27, Rut12, SC13, SML91, TvBO<sup>+92</sup>, TMO<sup>+95</sup>, YHS97, vBD89, vBBGO90, vBBD<sup>+92</sup>, RN13, RC25]. **Scholars** [Rut34n]. **Scholastic** [Ano66d]. **Schrödinger** [Lak96]. **Science** [dCENdCA58, Ano09b, Ano20b, Ano23b, Ano32c, Anoxxb, Anoxxc, Boh61, Cle19, Dea03, Dev91, Dyl20b, Dys05, Eck20, Gen95, Gib19, Glo20, Jew19, Kha20, Mon66, RN04, Rut33b, Rut36b, Rut36i, Rut36j, Rut36k, Rut37c,

Rut38c, SG85, SMJ35a, SMJ35b, Sch57, Sin81, Stu79b, Zim69a, Zim69b, AK11, Bad79a, Ble02, Bod20, Bro62, Car98, Far16, FH60, HT10, Hil17, How58, Jen08, Kat15, Lev17, dAMxx, Mer96, Moo66, NP38, NP40, RCRC90, Ree15b, Rut36g, Won20, Giu12, dAMxx, Rut23p]. **Sciences** [BP70, Hei71, WH72]. **Scientific** [Bal15, Bar05, Bar06, Bru79, Coc63, Dro20, Dyl20b, Eve06, Har07, Har01, Kap80e, Mil13, Rod19, Rut27g, Rut33h, Rut33b, TGMR74, dB32, Bad87, Bey49, Fra05, Hah67b, Osg66, Rez71, Rez72, Wri64, RR87]. **Scientifica** [Cle19, Won20]. **scientifiques** [Mon66]. **Scientist** [Ano37c, Ano38b, Ced00, Clo18, Foc37, Her01a, Her01b, Hub01, RCRC92, Tur01, Ano37d, Ano21, Cam98, Cam99, Focxx, Kap73a, Pip01, Sat18]. **Scientists** [Ano06, Ano22, Ano32b, Ano33a, Ano37k, DG99, Dys05, Kae36, Seg85, Cat04, Gri09]. **scienza** [Car98]. **scoperta** [Car98]. **scoperte** [Seg76]. **screened** [ST76]. **Se** [Bha82]. **Se-implanted** [Bha82]. **Search** [Cha64, Cho01, Gea14a, Rut37d, Tre71a, Eid48, Lew02]. **Searching** [Lig18]. **sechs** [Sod02]. **sechzigsten** [HM31]. **Second** [Ano23b, HBA77, Jar08a, Stu18]. **second-** [HBA77]. **Secondary** [Reu81, BPSW91, Cle81, CSN<sup>+</sup>00, Gro89, NMSK13, Wil83b]. **Secret** [Ree16, Cam15, Ano32c]. **Secrets** [Ano32a, Wen53]. **section** [Bab71, Far87, LMC97, Wil83b, ZB74, Rut09i, Rut09e]. **sections** [RRKH94, ST76]. **seeds** [Lon16d]. **Seeing** [Dys05, Ree06, Ble99]. **Seen** [Ano32b]. **Sees** [Ano23b]. **segregation** [SHAI09]. **Sehr** [Rut02c]. **Selected** [Rez71, Rez72]. **Self** [Gar81, Stu78, FTT96, Tre77b]. **self-ion** [FTT96]. **Self-Splitting** [Gar81, Stu78, Tre77b]. **Sense** [Dys05]. **Sensitivity** [EMVK90, HNS<sup>+</sup>11]. **Sep** [Rut05c]. **separation** [ESWW82]. **September** [Bir61, Fle57, Meh73, Rut12a, VRWB12]. **septième** [CCJ<sup>+</sup>34]. **Settler** [Dea03]. **Seventh** [CCJ<sup>+</sup>34, Far01]. **several** [HKH96]. **shallow** [CFMO12]. **Shaped** [Gib19, Kae39, Mac11]. **share** [Wal18]. **shared** [Clo18]. **Shattering** [Kae36]. **Shea** [Ano81, Sin81, Stu79b, Whe80]. **Shed** [NL00]. **sheet** [SCP<sup>+</sup>91, SDD<sup>+</sup>08]. **Shields** [Whe18]. **shift** [Far87]. **Shifting** [TGMR74]. **Shifts** [Mar72]. **Shines** [Bah00]. **shook** [Gam85]. **Short** [Gen95, MF11]. **Si** [NJS<sup>+</sup>03, YKH<sup>+</sup>84, AAPN06, CFMO12, DGC07, FTT96, Gro89, KBvB<sup>+</sup>05, KEJ87, Lu87, LCL<sup>+</sup>04, NFM<sup>+</sup>07, SSWB80a, Sad81, TJRS03, WZS<sup>+</sup>91, WCZ<sup>+</sup>02, Yuh92, ZWJ<sup>+</sup>02, vIS89, vdK89]. **Si-depth** [vIS89]. **Si-Rich** [KEJ87]. **sic** [Ano09a, BKP<sup>+</sup>06, KIS<sup>+</sup>89, SPL<sup>+</sup>08, ZWJ<sup>+</sup>02]. **SiD** [YKH<sup>+</sup>84]. **Sidey** [Ano36a, Ano46a]. **Sidgwick** [Rut37a, Rut14]. **Sigma** [RSWE27]. **signal** [Lia80]. **Significance** [Fre79, TGMR74]. **Significantly** [WM88]. **SiH** [YKH<sup>+</sup>84]. **silicate** [IYT<sup>+</sup>09]. **Silicide** [AAPN06, KEJ87, Bra98, Her84]. **silicon** [ATS86, BPSW91, BVI88, Hwa82, Hwa83, IYT<sup>+</sup>09, KIS<sup>+</sup>89, LRF86, MB90, Oeh86, Sin93, TGDS99, WCGC86, Wan96]. **silicon/nitride** [ATS86]. **silver** [LRF86, TGP11]. **Simple** [Sei86, Stu85, Tre85, FLK92, Wil83a]. **Simulated** [BJW97]. **Simulation** [Bis90, Eic72, BPSW91, Hau82, TJRS03]. **Simulator** [Wic65]. **Simultaneous** [SDD<sup>+</sup>08]. **Since** [AK11, Ano37d]. **Single** [Dav71b, MKM<sup>+</sup>07, Fow83, KIS<sup>+</sup>89, Rei79, Sad81, Whi82].

**single-crystal** [Whi82]. **SiO** [NFM<sup>+</sup>07, CSN<sup>+</sup>00]. **Sir** [Ano66b, Ano66d, Ano66c, Aro66, Coc63, Osg66, Rut27e, Rut27j, Rut28a, Rut28g, Rut29j, Rut29k, Rut29f, Rut30a, Rut30h, Rut31a, Rut31e, Sch31, Seg62, Seg64, Seg66, Ano19, Ano23b, Boh26, Bro97, FR13i, Gar62, RSWE27, Rut26a, Seg80c]. **site** [Ano18b, RSdS<sup>+</sup>89]. **situ** [HV84, KKGW85, NFM<sup>+</sup>07, SBEO86, WM88]. **six** [Sod02]. **Sixteenth** [Rut36h]. **sixtieth** [HM31]. **Sixty** [FR13j]. **skilled** [Fla17]. **Skłodowska** [DMPA08]. **Skłodowska-Curie** [DMPA08]. **Skurrile** [Arr06]. **slept** [Bre97]. **Slow** [Rut04j, Rut05i, Rut05g, Rut04n, Rut05o]. **small** [Kru75, Man77]. **small-angle** [Kru75, Man77]. **Smaller** [Rut02f, Rut05j]. **Smash** [Kae36]. **Smasher** [Ano37i, Lau37]. **Smashing** [Ano32a]. **Sn** [CFMO12]. **sobre** [dAMxx]. **social** [Bad05]. **Society** [Ano18e, Gib19, Rut36k, SG85, Gri09, RCO<sup>+</sup>54, Rut36j]. **Soddy** [Ano09b, Fle57, Gar81, How58, Kau86, Mon66, Stu78, Ano10, Asi64, Ble02, Coh97, Far63b, Fre79, Gan18b, Gus12, How58, Jen85, Ken63, Mer96, Pan57, Pan64, Rus56b, Rus56a, Rus61, Tan77, TG36, Tre71a, Tre77b, Whe04, Wil64, Wil69]. **Soft** [RdCENdCA14a, Rut14f, SER<sup>+</sup>01]. **softened** [TGP11]. **Solar** [Ree06]. **sole** [Ril70]. **Solid** [CFMO12, DJBW83]. **Solution** [Ano32a]. **Solutions** [Rut05d]. **Solvay** [CCJ<sup>+</sup>34, Far01, CCJ<sup>+</sup>34, Str11]. **Some** [dCA68, Ano23b, Boh61, Cha64, Dal50, Eve06, Fea77, Fea79, Hah62, Har07, Lew72, OKR35a, Oli72b, Rut96b, Rut97b, Rut06h, Rut07f, RC12b, Sod03, Zim69b, Rut06i, RC12a, Ano33c, Rut03e, Rut05k, Rut05m, Rut06j, Rut08i, Zim69a]. **Sommerfeld** [Lak96]. **son** [Jen08]. **sonar** [Kat12]. **sorta** [Sno68]. **Sought** [Kae36]. **Sound** [BR16, Lüd13, Rut15d]. **source** [CGL<sup>+</sup>94, DJA<sup>+</sup>04]. **Sources** [GLR06, KHFA67, Rut06b, Rut06n, RC24c]. **sous** [CCJ<sup>+</sup>34]. **Soviet** [Ano37k, Ano37l, FH60]. **Sovremennaja** [Rez38]. **Sowjetische** [FH60]. **Soyuz** [Spe19]. **space** [Bro18, Dun18, Spe19, Wil15]. **species** [KKGW85]. **Spectra** [Mos13c, Mos14b, Mos14a, Rut14k, Rut15e, Rut14i, Rut16c, Wie78]. **Spectre** [RR07, RR08a]. **spectrograph** [KLL<sup>+</sup>90, LSK<sup>+</sup>88]. **spectrographs** [FLK92]. **spectrometer** [HKH96]. **spectrometries** [SCP<sup>+</sup>91]. **Spectrometry** [CLZ99, ERM95, MKM<sup>+</sup>07, JBS12, SHCK96, BPSW91, Bur86, CFMO12, Cle81, CSN<sup>+</sup>00, CCR85, DJA<sup>+</sup>04, ESRDV84, FLP<sup>+</sup>89, FIY<sup>+</sup>99, Her84, Hwa82, Hwa83, IYT<sup>+</sup>09, IFSI94, KB93, KKK<sup>+</sup>99, KKGW85, LRF86, LDLM91, Lia80, LxW99, MCJK90, MBS<sup>+</sup>04, Par96, PAF<sup>+</sup>98, PNFO88, PMCF<sup>+</sup>06, PCK<sup>+</sup>08, RRKH94, RMM<sup>+</sup>13, Reu81, SBEO86, SN05, SWZ<sup>+</sup>05, STB<sup>+</sup>01, Sku89, SLA<sup>+</sup>00, SDD<sup>+</sup>08, SPL<sup>+</sup>08, Tab97, TCZY97, TGP11, TGDS99, Wil83b, WM88, vdK89]. **spectrometry/channeling** [LxW99]. **spectroscopic** [BKP<sup>+</sup>06, TGDS99]. **spectroscopies** [CBZ<sup>+</sup>12, Gro89]. **Spectroscopy** [EMVK90, NOSK08, OaHNM98, LFA<sup>+</sup>04, And90, Bar85, BKP<sup>+</sup>06, Bra98, Bur86, CGL<sup>+</sup>94, Cat93, CSN<sup>+</sup>00, CBZ<sup>+</sup>12, DMV<sup>+</sup>96, DHS97, Fow83, FTT96, GR89, HFD<sup>+</sup>99, HNS<sup>+</sup>11, HKM<sup>+</sup>09, HW92, Ish83, KOhM94, KSKF93, KIS<sup>+</sup>89, Kot91, LHNG14, MB90, NJS<sup>+</sup>03, NFM<sup>+</sup>07, NOH<sup>+</sup>10, NMSK13, OHN<sup>+</sup>09, PMCF<sup>+</sup>06, Reu81, SER<sup>+</sup>01, Sim82, Sin93, Sku89, SDD<sup>+</sup>08, TF89, TGDS99, Vas90, Win94, Wuy91, Yuh92, ZWJ<sup>+</sup>02, vdK89]. **Spectrum** [RR07,

RR08b, RdCENdCA14b, RRR14, RW25, Rut14g, RR08a, RR08c, Rut14h].  
**speculations** [Kra13, Tre74a]. **Speech** [Ano38b, SR37, SR37]. **speed**  
 [Rut11h, RR13a]. **Speeding** [Ano23b]. **spin** [Par96, Sin93]. **Spinners**  
 [Moo78]. **Spinning** [Elf14]. **Spirit** [Gib19, Cam79, Dys05]. **Split**  
 [Ano32c, Dys05, Cat04, She17]. **Splitting**  
 [Gar81, Stu78, Ano37d, Rez23, Tre77b, Whe18]. **spotted** [Oak19]. **Spread**  
 [Zim69a, Zim69b, Wan96]. **Spriel** [Mon66]. **sputter** [Bur86].  
**sputter-deposited** [Bur86]. **sputtered** [Cat93, DHS97, GC00]. **sputtering**  
 [Rut79, WM88]. **SrTiO** [HGM<sup>+</sup>94]. **St** [Rut05c]. **Stability**  
 [Rut20f, Rut21f, PMCF<sup>+</sup>06, Rut25d, Rut25e]. **stabilizing** [PCK<sup>+</sup>08]. **Stable**  
 [Hes00]. **stage** [Nix19]. **stages** [DGC07]. **stainless** [Whi82]. **Stalin**  
 [Sno67, Sno68]. **Stand** [Ano31a]. **Standard**  
 [Rut13a, Rut11b, Rut14j, Sku89, Rut14l]. **Standards**  
 [CDE<sup>+</sup>31a, CDE<sup>+</sup>31b, CDE<sup>+</sup>31c, Rut10e]. **Standpoint** [Sod04]. **Stars**  
 [Lig18]. **State** [RCW<sup>+</sup>26, Hei79a]. **States** [BB36]. **Stationary** [BB36].  
**Statistical** [VV09]. **statistics** [GRS<sup>+</sup>91]. **steel** [Whi82]. **Step** [Gen95].  
**Stephen** [Mon66, Ano18f, Sat18, Wal18]. **Sternstunden** [Büh98b]. **Steve**  
 [Whe18]. **Stevens** [Bru79]. **Steward** [Ano45]. **Stewart** [Fos49, Sei86, dR92].  
**still** [Kae48]. **Stillborn** [Tre75d]. **Stockholm** [Ano08e]. **Stoichiometric**  
 [ESRDV84]. **stoichiometry** [GHCA91, Ish83]. **Stoney** [O'H75]. **stopping**  
 [SBE086]. **Stores** [Ano23b, Ano32a]. **Story**  
 [Cam09, Fea77, Jor16, Kra18, Mar20, Mon66, Sod49, Ano19a, Eva39a, Eva39b,  
 Fea79, Gam85, How58, Nix19, Ree15a, Mon66, Kri20]. **Stoughton** [Stu85].  
**stragglings** [WZS<sup>+</sup>91]. **Strahlen** [RG02a, Rut02c, Rut06i, Rut31d, Rut31c].  
**Strahlungen** [Rut13b, Rut13g, Mec14]. **Strain**  
 [NJS<sup>+</sup>03, WYV<sup>+</sup>99, LCL<sup>+</sup>04, WVH<sup>+</sup>99]. **Strange** [Jor16]. **Straßmann**  
 [CSW97, CSW97]. **Straus** [Dys05]. **Strength** [Mot63]. **stroenie** [Rez21].  
**strong** [Ano04]. **Structural** [LDLM91, KIS<sup>+</sup>89, Tho84]. **Structure**  
 [Bro73b, CCJ<sup>+</sup>34, Gam29a, Hon98, Hon03, KH23, Nia98, RN04, Rus56a,  
 Rut11j, Rut13c, Rut13d, Rut13h, Rut14a, Rut14b, Rut14c, Rut23l, Rut23r,  
 Rut23q, Rut26h, Rut27a, Rut27b, Rut27c, Rut27d, Rut27h, RAC<sup>+</sup>29,  
 RCE<sup>+</sup>32, RJ65, Rut70e, Tre75b, Gro89, Hei34, NOH<sup>+</sup>10, Nor79, OHN<sup>+</sup>09,  
 Rez21, Rez29, Rez32, Rut11i, Rut14d, Rut14e, Rut21d, Rut23s, Rut24a,  
 Rut24b, Rut25i, Rut26b, Rut26c, Rut26d, Rut26e, Rut30b, Rut30c, Rut30d,  
 Rut30e, Rut12, Sod20, Sod22, Sod04, Wyb72, Yuh92, CCJ<sup>+</sup>34, Rut27l].  
**structures** [NMSK13, SSWB80b, SSWB80a]. **Struktur** [Rut24a, Rut24b].  
**strukture** [Rez29, Rez32]. **Stuart** [Lov75]. **Student** [BELG68]. **Studied**  
 [OaHNm98, ATS86, Bha82, CYM<sup>+</sup>03, Eld85, IFSI94, KBvB<sup>+</sup>05, LCL<sup>+</sup>04,  
 MBS<sup>+</sup>04, SHAI09, Sin93, TGP11, WYV<sup>+</sup>99, WCZ<sup>+</sup>02, Yuh92, ZWJ<sup>+</sup>02].  
**Studien** [Mos13b]. **Studies** [Dav71b, FR13g, Rut25f, Rut25g, Rut70g,  
 SHCK96, Tan77, WCGC86, YKH<sup>+</sup>84, Bey49, BBR80, GRS<sup>+</sup>91, Nor79,  
 Oeh86, PAF<sup>+</sup>98, SSWB80a, Sad81, TF89, TMJ<sup>+</sup>99, Whi82]. **Study**  
 [Bau73a, Bau73b, CBZ<sup>+</sup>12, FIY<sup>+</sup>99, Hon98, Ish83, LGA<sup>+</sup>06, LFA<sup>+</sup>04, Rut27i,  
 AAPN06, Con82, DGC07, FGM<sup>+</sup>00, GC00, HV84, HGM<sup>+</sup>94, IYT<sup>+</sup>09, LxW99,

Lu87, NBG<sup>+</sup>84, REJ86, RS03d, SDD<sup>+</sup>08, WVD<sup>+</sup>96, WVH<sup>+</sup>99, vIS89, vdK89].  
**Studying** [dCENdCA58, Dav71a]. **sublattices** [ZWJ<sup>+</sup>02]. **submarine**  
 [BC16, Kat12, Rut15j, Rut15k, Rut15l]. **submarines** [FR18, Rut15f].  
**Subsequent** [Jen85, Fra05, Sad81]. **substance** [Rut00g, Rut00b, Rut00e].  
**Substances** [Cha12, Mil13, Rut00a, Rut01c, Rut02b, Rut08a, RG08a, Rut08f,  
 RR09d, Rut10f, RCE30, RCE51, CR21, Mak08, Rut00f, Rut01b, RB02a,  
 RG02a, Rut02c, RG02b, Rut07h, Rut07j, RG08c, RG09b, RR09b, RR09a,  
 Rut12a, Rut12b, Rut12c, Rut12g, Rut12h, Rut13b, RR13a, Rut13f, Rut13g,  
 RR14, Rut10b, Ano08a, Poo52, Sch31]. **Substanz** [Rut00e]. **Substanzen**  
 [Mec14, RG09b, Rut13b, RR13a, Rut13g, Rut01b, RG02a, Rut02c].  
**substrate** [LCL<sup>+</sup>04]. **substrates** [FIY<sup>+</sup>99, IFSI94, IOI<sup>+</sup>11, PBFt83, TGP11].  
**Subsurface** [DGC07, SSWB80b]. **Subtraction** [Lia80]. **Succeed** [Ano32b].  
**Success** [Ano32a, Bad79b, Tre75d]. **Successful** [Ano08a, Kri19e].  
**Succession** [Rut04l, Rut05p, Rut04i]. **such** [Gri09]. **suggests** [Gan18b].  
**Suicidal** [Bad79b]. **sulfur** [RR95]. **Summary** [Eld85, Tho84]. **Summer**  
 [Ano36a, Ano46a, Hah67a]. **Summer-Time** [Ano46a, Ano36a]. **Sun**  
 [Bah00, Tip13]. **sunshine** [Har05]. **superconducting** [FLP<sup>+</sup>89].  
**Superconductors** [CLZ99]. **Superheavy** [Kra13, Kra18]. **superlattices**  
 [Sar79]. **supersonic** [Rut16e]. **Supports** [WMT01]. **suppression** [HZ15].  
**supreme** [Cam98, Cam99, Pip01, Ced00, Her01a, Her01b, Hub01, Tur01].  
**Surface** [CGL<sup>+</sup>94, Dav71b, MKM<sup>+</sup>07, NOSK08, NMSK13, Nor79, RC03,  
 SHCK96, Tho84, CBZ<sup>+</sup>12, FLP<sup>+</sup>89, GHCA91, KBvB<sup>+</sup>05, NOH<sup>+</sup>10,  
 OHN<sup>+</sup>09, SLA<sup>+</sup>00, Yuh92]. **Surfaces** [Dav71a, MD69]. **Surfactants**  
 [LGA<sup>+</sup>06]. **surprised** [Tre83]. **surveillance** [BC16]. **Survey**  
 [Dav37, Rut34g]. **sustained** [And73]. **Svedberg** [Mos13b]. **Swift**  
 [CW32, Moo78]. **switchable** [SHAI09]. **symmetric** [RFF<sup>+</sup>01]. **Symposium**  
 [Meh73, Tre75b, Wyb72, Stu79a, Stu79b]. **synthesis** [Rut34g]. **synthesized**  
 [KKK<sup>+</sup>99, WVD<sup>+</sup>96]. **System**  
 [Ree06, vdB07, vdB13, AAPN06, Eld85, HFD<sup>+</sup>99, HKH96]. **systems**  
 [PCK<sup>+</sup>08, RMM<sup>+</sup>13].

**T** [Ano32b, Sei86, Sen87, Stu85, Tre75a]. **T.** [Ano36a, Ano46a]. **Ta/GaAs**  
 [Eld85]. **table** [Kra13]. **taken** [CSW97]. **tale** [CSW96]. **Talk**  
 [Rut08g, Rut15i]. **Talks** [Kap74]. **Tanganyika** [SWS65]. **tank** [Mor18].  
**Taylor** [Clo18]. **Te** [Con82, CBZ<sup>+</sup>12, Win94, Wuy91]. **teacher** [Kap73a].  
**teaching** [Wil74]. **teamwork** [Bod20]. **Technical** [Ole81, Low79].  
**Technique** [Hon03, WMT01, CCR85]. **Techniques**  
 [Bad68, NBG<sup>+</sup>84, PBFt83, SSWB80b, Yuh92]. **Technologies** [Gus12, BC16].  
**Technology** [Anoxxc, KT84, Mor18, Mor75]. **Teil** [RS02b, RS02a]. **Teilchen**  
 [RG09b, Rut31d, Rut31c, vdB07, RR13a, Tre74b]. **Teilchens**  
 [Rut07g, Rut08c, Rut08d, RG09a]. **telluride** [Man82]. **Temperament**  
 [SMJ35a, SMJ35b]. **Temperatur** [Rut01b]. **Temperature** [RP07, Rut30i,  
 Bha82, DGC07, DBvdV87, FLP<sup>+</sup>89, LCL<sup>+</sup>04, Rut01b, vBBGO90, vBBD<sup>+</sup>92].  
**temperatures** [vBD89]. **ten** [Ano18c, DMPA08, NP38, NP40]. **tens**

[HKH96]. **tenu** [CCJ<sup>+</sup>34, LRdB<sup>+</sup>23]. **term** [Gan18b]. **Terms** [Mar72]. **Test** [Ree06]. **Tests** [Ano32b]. **tetrafluoroethylene** [EMVK90]. **tetragonal** [WCZ<sup>+</sup>02, ZCS<sup>+</sup>12]. **Texas** [Wei90]. **Textbooks** [Nia98, NM12, RN04]. **TEXTOR** [TvBO<sup>+</sup>92, vBGO90]. **Thaddeus** [Gar81, Stu78]. **Thales** [Lak96]. **Theater** [Hil17]. **Their** [Hon98, Kae36, Mil13, Ole81, Rut19a, Cla13, Mak08, PMCF<sup>+</sup>06, Rez28, Rut11e, Rut12g, Rut13b, Rut13f, Rut13g, Rut23a, Rut23b, Rut23c, Rut23d, Rut23e, Rut23f, Rut23g, Rut23h, Rut23i, Rut23j, Rut26f, Rut26g, Rut30b, Rut30c, Rut30d, Rut30e, Rut32a, RB32, Rut70a, Seg80a]. **Theoretical** [Hon98, Lon03, Meh73, Hei34]. **Theorie** [Rut09b, Rut09c, vW35]. **théoriques** [Hei34]. **Theorist** [SM08]. **Theory** [Ang00, Ano32b, Gea14a, Kap74, Kap80a, KH23, Mon66, Mot72, Rut10f, Rut11a, Rut29i, Rut37g, Rutxx, Sod04, Tre71b, Tre71a, Tre75c, Tre75d, Cha76, Cli65, Cli87, Gam28, Gam29b, Gam85, Hou30, Lev17, Pol60, Rut09k, Rut09b, Rut09c, Rut36f, Rut36h, Sch57, vW35]. **Therapy** [Sla13]. **there** [Spe19]. **thermal** [GHCA91, Lu87, PMCF<sup>+</sup>06]. **Thermodynamics** [Kle66]. **thick** [ZCS<sup>+</sup>12]. **thickness** [CSN<sup>+</sup>00, CCR85]. **Thin** [JBS12, LHB<sup>+</sup>09, Mar61, SCP<sup>+</sup>91, And90, Bur86, Cat93, DHS97, DJBW83, FGM<sup>+</sup>00, FIY<sup>+</sup>99, GR89, HV84, IFSI94, IOI<sup>+</sup>11, KKK<sup>+</sup>99, PBFt83, Reu81, Sim82, SDD<sup>+</sup>08, TMJ<sup>+</sup>99, WVCW76]. **Thin-film** [SCP<sup>+</sup>91, HV84, Sim82]. **things** [Bat72, Bro18, Mor18]. **third** [HBA77]. **third-power** [HBA77]. **thirteen** [Bey49]. **thirties** [Hen84, Sei86, Stu85]. **Thirty** [Gam85, Rut33h]. **thirty-fifth** [Rut33h]. **Thomas** [Dea03]. **Thomson** [Kra14b, Lak96, Rön58, Whe04, Kub11]. **Thorium** [FR13e, HS89, RO99, Rut00a, RS02c, RS02i, RW16, RWWW30, RWL31b, ESWW82, Flo70, GF10, Rut00g, Rut00b, Rut00c, Rut00e, Rut00f, RS02d, RS02e, RS02f, RS02k, RS02j, RS02l, RS02m, RS03d, RH06b, Rut11d, RR13b, Rut16d, Rut21g]. **Thoriumverbindungen** [Rut00e]. **those** [RCO<sup>+</sup>54]. **Thousand** [Ano22]. **threat** [BC16]. **Three** [And73, Eid48]. **Thus** [Ano32b]. **Ti** [Cat93, FGM<sup>+</sup>00, KKK<sup>+</sup>99, PCK<sup>+</sup>08, SCP<sup>+</sup>91]. **TiCN** [PMCF<sup>+</sup>06]. **Tiger** [Gus12]. **Time** [Ano46a, Ano17, Kay63, Ano36a, DJA<sup>+</sup>04, Hah62, HKH96, Hei79b, Lev17, NMSK13, Sat18, SDD<sup>+</sup>08]. **time-of-flight** [DJA<sup>+</sup>04, HKH96]. **Timeline** [Whe18]. **times** [Bre97, Cro01, Stu79b]. **Tin** [KT84, NL00, PNFO88, PMCF<sup>+</sup>06, SER<sup>+</sup>01, SCP<sup>+</sup>91]. **Tinsley** [Cot10]. **TiNx** [Kot91]. **TiNx/TiSiy** [Kot91]. **TiNy** [Gro89]. **TiO** [LFA<sup>+</sup>04]. **tip** [Tab97]. **TiSiy** [Kot91]. **TiSiz** [Gro89]. **titanium** [Bur86, NFM<sup>+</sup>07, Vas90]. **titled** [Mon66]. **Today** [Mas72]. **tokamak** [vBBD<sup>+</sup>92]. **Told** [Ano33a, Nix19]. **Tomography** [WMT01]. **Tondokument** [Lüd13]. **Tonspurerhaltung** [Lüd13]. **Tool** [vG95]. **Top** [Kha20, Ano18c]. **topography** [SLA<sup>+</sup>00]. **Torn** [Ano32b]. **torus** [RFF<sup>+</sup>01]. **total** [KBvB<sup>+</sup>05]. **total-reflection** [KBvB<sup>+</sup>05]. **Townsend** [Ble02]. **Traced** [Ano06]. **traduction** [Mon66]. **Traité** [Cur10]. **transform** [TGDS99]. **Transformation** [Ano33b, Mos12a, Rut05i, Rut11g, Rut26f, Rut28d, Rut28e, Rut28f, Rut35k, RS66, Lu87, Rez28, Rut04n, Rut04j, Rut04b, Rut05g,



Rut05b, Rut05o, Rut12d, Rut36c, Rut36d, Rut36e, RG11]. **Transformations** [OKR35b, OKR35a, Rut06e, Rut06f, Rut11c, Rut35e, RL07, Lor70b, Rut07b, Hub13]. **Transformed** [Ano08a]. **transient** [CBZ<sup>+</sup>12]. **transition** [Yuh92]. **Transmission** [Rut01d, SSWB80a, Sad81, BKP<sup>+</sup>06, CSN<sup>+</sup>00, Lu87, Phi83, Pye78, Rut03h, SSWB80b, Wil83b, Rut02d]. **Transmutation** [Ano19, Ano33d, F.33, Kri19b, Kri19c, Kri19d, Mar20, OR33, OKR33, OHR34a, OHR34b, Rom64, Rut34i, Rut37b, Rut38d, Rut38e, Lor70f, Rut70h, Rut38f, Cam19, Rut30g, Rut33a, Rut33h, Rut33j, Rut33d, Rut33e, Rut33f, Rut33g, Rut37e, Rut37f, Lor70e, Seg80b, Tre74a, Ano33c, Ano37i, Lau37, Mon66, Kri20]. **transmutations** [Leo05, Oak19, Rut34e]. **Transmute** [Ano22]. **Transmuted** [Ano32b]. **transport** [KIS<sup>+</sup>89, TF89]. **transported** [YHS97]. **Transuranic** [Kra18, Sto97]. **transuranium** [Sea88, Wel90]. **trapped** [GR89]. **Traveling** [Dro20]. **Travelling** [Rod19]. **Treatise** [Sod04]. **Treatment** [Liv62]. **Trenn** [Stu78, Gar81]. **Tribute** [Ano37l, Foc37, Pan57, Pan64, Ano37j, Focxx, Kub11, MSB<sup>+</sup>37]. **Tributes** [Ano37i, Ano38a, MSB<sup>+</sup>37, Lau37]. **Trieste** [Meh73]. **trifluoromethanesulfonyl** [NOSK08, NOH<sup>+</sup>10]. **Trilogy** [AH13]. **Trimethylpropylammonium** [NOSK08]. **Trinity** [Ree06]. **Trip** [Rut25h, Wad20]. **tritium** [Eid48]. **Triumphs** [DeB19]. **trudy** [Rez71, Rez72]. **True** [MM03, RCRC04]. **Truths** [Kae36]. **Tube** [Coo13, Kor12, RB15, RBR15, Rut17]. **Tungsten** [Bra98, KEJ87]. **tunneling** [FIY<sup>+</sup>99, LSN<sup>+</sup>09]. **Turn** [BS79, Ano81, Sin81, Stu79b, Whe80, Hei79a, Rig79]. **Turning** [Gre07]. **Twentieth** [Ano12a, Rut12a, VRWB12]. **Two** [Ano32b, Ano04, Ble02, Hon98, Lav14, Bar83, Oli66a, Oli66b, Oli85b]. **Type** [Rut29a].

**U.S.** [CAN88]. **Übertragung** [Rut02d]. **ucenyj** [Kap73a]. **ucitel** [Kap73a]. **új** [RA45]. **UK** [Fla17]. **Ultimate** [Ano32a, Kae36]. **Ultra** [GRR<sup>+</sup>31, Rut98, RMM<sup>+</sup>29, CFMO12]. **Ultra-Microscopic** [RMM<sup>+</sup>29]. **Ultra-Penetrating** [GRR<sup>+</sup>31]. **ultra-shallow** [CFMO12]. **Ultra-violet** [Rut98]. **ultrathin** [HGM<sup>+</sup>94]. **Umwandlungen** [RL07]. **Umwandlungsgeschwindigkeit** [Rut11h]. **unbounded** [Kae48]. **Undergraduate** [Ear66]. **Underpinnings** [Hon98]. **underwater** [Rut16e]. **UNESCO** [Wil17]. **unfold** [FLK92]. **Uniformity** [Rut13i, Ish83]. **Unit** [Ale46]. **Universe** [Kae36, KT88]. **Universität** [Lüd13, Sod02]. **Universities** [Ano09a, Lon16b]. **University** [Ano12a, Ano12b, Ano09b, Bir61, Bro86, Cla06, Dav37, Eve06, Hah62, Hei71, Rut12a, Rut33h, Sod02, Szy85, Tre75b, dB14, Ano18d, Cot10, Har07, Kri19b, Kri19a, Lüd13, Sod03, Ter38, VRWB12]. **Unknown** [Rut15j, Rut15k, Rut15l, Ano71c]. **Unlocked** [Ano32a]. **Unlocking** [Wen53]. **unprecedented** [Oak19]. **Unravelling** [FR13j]. **Unseen** [Dys05]. **Unterschied** [Rut04b, Rut05b]. **Untersuchungen** [Rut11h]. **Unwin** [Bur64]. **UO** [Tho84]. **Upcoming** [Ben20]. **upon** [Rut04c, Rut04d, RR08d].

**Upper** [RCW<sup>+</sup>26, Kra13]. **Upset** [Ano32b]. **Uranic** [Gen95]. **Uranium** [HS89, RO99, Rut00d, RS03c, RB05b, RB06a, RB06b, Rut66b, SL90, GF10, HS39, Hol30, Rut03d, RB05a, Rut99]. **Urans** [HS39]. **Ursache** [RS02b, RS02a]. **Ursprung** [Rut08b]. **Use** [Con82, Dav71b, Ear66, HW92, LGF<sup>+</sup>99, Mos13a, Ale46, Gro89, HKH96, Rut11e]. **Used** [Ano32b]. **Useful** [Dav71a, MD69]. **Using** [Eic72, NOSK08, SHCK96, Bar85, BPSW91, CGL<sup>+</sup>94, CFMO12, Cle81, CBZ<sup>+</sup>12, ESRDV84, FTT96, Ish83, KKGW85, NFM<sup>+</sup>07, NOH<sup>+</sup>10, NMSK13, OHN<sup>+</sup>09, PCK<sup>+</sup>08, STB<sup>+</sup>01, Sku89, Tho84, WV07, vdK89]. **Utilization** [Sim82]. **Utilize** [Rut24i].

**V** [dB14, Rut07j, Rut09f, Rut22n]. **vacua** [Rut24e, Rut24f, Rut24g, Rut24h]. **Valley** [Ben20]. **Vapor** [KEJ87, Hwa82, Hwa83, KIS<sup>+</sup>89, Sin93]. **Vapours** [Rut97a]. **variable** [vdK89]. **variations** [RG10]. **Variety** [Sno67]. **Vast** [Ano32a]. **vector** [Agu96, BB80, Far87]. **Vega** [Spe19]. **velocities** [RR14]. **Velocity** [Rut01a, Rut06k, Rut97c, RH06a, Rut06m, Rut07g, Rut07j, Rut07h, Rut19f]. **Verhalten** [HS39]. **verification** [Bur13b]. **Verifying** [Cha76]. **Verlagsgesellschaft** [Mos13b]. **Verleihung** [Lüd13]. **Version** [Ear66, ESWW82, Mon66]. **Versuche** [Rut02e]. **versus** [dAMxx]. **Verwandlung** [Rut04b, Rut05b]. **Verwendung** [Rut11e]. **very** [Gro89, Rut02c]. **VI** [RB09, Rut22o]. **via** [BB80, BSS88]. **vibration** [Rut16e]. **Victoria** [Bir61]. **Victorian** [NL00]. **Victorian-age** [NL00]. **view** [BKP<sup>+</sup>06, Jak79, Lon03]. **Views** [Ano31b, Fel19]. **vii** [Pia24, Rut11h]. **VII** [Rut11h]. **viii** [Mos13b, Sin81, Stu79b, BR11c, Eve06, Rut99, Rut02f]. **VIII** [BR11c]. **Villars** [Pia24]. **vinylpyridine** [HW92]. **violet** [Rut98]. **Viruses** [RMM<sup>+</sup>29]. **Viscosity** [Rut95]. **Visibility** [Ree06]. **Visionary** [FR13h]. **Visit** [Jen85]. **Visualizing** [Rut09g, Rut09h]. **vitae** [Coh95]. **Vitesse** [Rut07h, RH06a]. **Vito** [Ano12a]. **VLSI** [GRS87]. **Vol** [Ano64, Ano66e, Aro65a, Bur64, Osg66, Mon66, Seg62, Seg64, RC62]. **voltage** [CBZ<sup>+</sup>12]. **Voltages** [Rut27g, RBR15]. **Volterra** [Ano12a, dB14]. **Volts** [Ano32c]. **Volume** [Aro66, BM66, FK85, Rut08h, Seg66]. **Vorlesung** [Rut21d]. **vs** [Hon98].

**W** [Ano45, Ano81, Pia24, dB14, FGM<sup>+</sup>00, Gro89]. **W.** [Rön58]. **W/TiNy/TiSiz/Si** [Gro89]. **waged** [Mor18]. **Wall** [Ano00b]. **Walton** [Ano32b, DYF67]. **Wandering** [Rut34n]. **War** [Bad05, Hag17, Pri08, Sta03, Kat15, BC16]. **warfare** [Mor18, Rut15j, Rut15k, Rut15l]. **warheads** [CAN88]. **Wärmeentwicklung** [RR12]. **Wars** [Stu18]. **wartime** [CSW96]. **Warum** [CSW97]. **Was** [dCENdCA58, Ano37i, Kae39, Lau37, Sat18, Bad66, She17]. **Wasn't** [Kri19e]. **waste** [STB<sup>+</sup>01]. **Water** [BR16, RR08d, Rut15d]. **watershed** [RC13]. **Watson** [Stu79b, Gri09]. **Wave** [NM12, DBE<sup>+</sup>85, Rut14f, SC13]. **wave-length** [Rut14f]. **Wave-particle** [NM12]. **Wavelength**

[RdCENdCA14a]. **Waves** [Rut96b, Rut97b, Rut26g, Rut96a, Rut16e]. **Way** [Ano22]. **Wayne** [McD19]. **ways** [Rut15f]. **Weak** [Rut05d]. **weapons** [Bad05, CAN88, Mor18]. **Website** [Gra02]. **Weiss** [Pia24, Büh98a]. **Well** [Ano07, MDJF83]. **Well-Known** [Ano07]. **Wells** [Sno67, Sno68, PPA+02]. **werden** [CSW97]. **were** [Bey49, Mor18]. **Westin** [Wel90]. **Westminster** [Ano37j, Wal18]. **wharenui** [O’C17]. **Where** [She17]. **Which** [Ano08a]. **Whirl** [Ano23b]. **Whitworth** [Ano09a]. **Who** [Kat12, Spe19, Bat72, Cli87, Clo18, Fei11, RCO+54]. **whom** [Ano08g]. **Whose** [Kae39]. **wie** [Büh98a]. **will** [Wal18]. **William** [Ole81, Sin81, Stu79b, Whe80, Hug08, Jen08, Ole81]. **Williams** [Ano12a]. **Wilson** [Bru79, Sei86, Stu85, Tre85]. **window** [SWZ+05]. **Winner** [Ano37i, Ano09a, Lau37, Tho08b]. **Winners** [Ano99, Ano16, Far53, Far63c]. **Winnipeg** [Rut09e]. **wins** [Wil17]. **Winston** [Sno67, Sno68]. **Within** [Jen85, Dem03]. **Without** [Ano19, Ano32c, Jen85, Ten20]. **Woman** [RC04, RCRC05, Ged16]. **women** [RCRC90]. **Won** [Dys05, Cat04]. **Wood** [Ano12a, dB14, McD19]. **Worcester** [VRWB12]. **Work** [Ano32b, Ano37i, Boh61, Kap80e, Kle66, Lau37, Mar54, Rut25c, Ano09a, Coc46, Gei38a, Hou30, NBG+84, Rut05j, Rut33j]. **workers** [Sod02, Sod03]. **working** [Nix19, Oli84]. **works** [dAMxx, Won20]. **World** [Ano32c, Ano33a, Anoxxd, Arr06, BM66, BC16, Cle19, Dyl20a, Kri19e, Stu18, Ber07, Jak79, Mac11, Mer96, Moo66, Mor18, Seg80b, Bad05, Hag17]. **Worthies** [dB32]. **Wounds** [Sta03]. **wrath** [VPW14]. **writings** [Low79, Ole81, Ole81]. **Written** [Ano38b]. **wrote** [Ged16]. **WW1** [Mor18]. **Wybourne** [Tre75b].

**X** [Ced00, Adl97, And90, Bau73a, Bau73b, BBR80, Bra98, Bra61, Bur86, CYM+03, CSN+00, CCR85, DHS97, HV84, KKK+99, KBvB+05, KSKF93, MD13b, MD13a, Mos14a, PAF+98, Pip01, PCK+08, Rön58, RB15, RBR15, Rut16c, Rut17, Rut18, Rut25c, RW25, Rut29a, SER+01, Seg80a, Sin93, Sku89, SDD+08, Vas90, Win94, WVH+99, WYV+99]. **X-Ray** [Mos14a, Rut29a, And90, BBR80, Bra98, Bra61, Bur86, CYM+03, CSN+00, CCR85, DHS97, HV84, KKK+99, KBvB+05, KSKF93, PAF+98, PCK+08, Rut16c, RW25, SER+01, Sin93, Sku89, SDD+08, Vas90, Win94, WVH+99, WYV+99]. **X-Rays** [MD13b, MD13a, Rön58, Rut18, Rut25c, Seg80a]. **XCIV** [Rut14f]. **XCIX** [RC25]. **XCVIII** [Rut12e]. **Xe** [Wan96]. **Xi** [RSWE27, Bro86, Stu85, Har07, Rut00f]. **xii** [Bat72, Stu85, Szy85, RT09]. **XIII** [Rut06j]. **XIX** [RB04c, Rut05m, Rut06l, RR13e]. **XL** [TR96]. **XLI** [RS02h, Rut06m]. **XLII** [RH06b, RC22]. **XLIII** [Rut03d, Rut12h, Rut16d]. **XLIV** [RS03d]. **XLVI** [Rut06k, dB32]. **XLVII** [Rut03e]. **XV** [Rut03f]. **XVI** [Rut01e, Rut10g]. **XVII** [Rut17]. **XX** [Rut95, RC12b]. **XXI** [Cha12, RR09d]. **xxii** [Hei71, Rut06n]. **XXIII** [Rut08h]. **XXIV** [RR08c, Rut24l]. **XXV** [Rut05n]. **XXVIII** [Rut21e]. **XXXI** [Rut14g]. **XXXIII** [RS02i]. **XXXIV** [RG02b, RR13c, Rut14h, RBR15]. **XXXV** [Rut97a, RB15]. **XXXVII** [Rut05o, Rut14i]. **XXXVIII** [Rut14j].

**Yale** [Bro86, Hei71, Szy85]. **Yarns** [Moo78]. **YBaCuO** [HGM<sup>+</sup>94]. **Year** [FR13j, Coc46, RC13, Ten20]. **Years** [Ano22, Ano32b, Ano45, Kri19a, Rog13, Rut38a, Rutxx, AK15, Ano95, Con62, DMPA08, EC13, Gam85, Gib17, HJS70, Kae48, Mor74, Sea88, Wel90, Wil60]. **Yesterday** [Ano09a]. **Yielding** [Ano32b]. **York** [Ble57, Dav37, Sin81, Stu79b]. **Young** [App62].

**zählen** [RG09b]. **Zählrohr** [Kor12]. **Zealand** [Pip01, RC62, Seg62, Tre75b, Anoxxc, Bad87, Foc37, Focxx, Fra05, McG84, Pip01]. **Zealander** [Ano08d, Ano09b]. **Zealanders** [Gra68, Gra72, MB<sup>+</sup>85]. **zeolites** [BSS88]. **Zerfallen** [Rut04a]. **Zn** [CBZ<sup>+</sup>12]. **ZnO** [CYM<sup>+</sup>03, DJBW83, IOI<sup>+</sup>11]. **Zr** [Cat93]. **zum** [HM31, Har38, Lüd13]. **zur** [FH60, RM00b, Gam28, Gam29b, Har38, vW35]. **zwischen** [Rut04b, Rut05b].

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**Anonymous:1904:PRR**

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**Anonymous:1908:PRW**

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wireless stations hundreds of miles apart and also made to operate loud-speakers at overflow meetings . . . Perhaps the most amazing result of the experiment was that the sound of the speaker's voice was heard in the North of Scotland before it reached those who were sitting in the back of the hall in which he was actually speaking."

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**Anonymous:1937:DLRb**

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**Anonymous:1937:FLR**

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**Anonymous:1937:LRa**

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**Anonymous:1937:LRb**

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**Anonymous:1937:LRM**

- [Ano37h] Anonymous. Lord Rutherford, O.M., F.R.S. *Nature*, 140(3547):717, October 23, 1937. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v140/n3547/pdf/140717a0.pdf>.

**Anonymous:1937:LRP**

- [Ano37i] Anonymous. Lord Rutherford, physicist, is dead: British Nobel Prize winner, 66, famous as atom-smasher, dies after operation. High tributes are paid. Transmutation of elements was by-product of work in radioactive field. *New York Times*, ??(??):1, October 20, 1937. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL <http://search.proquest.com/hnpnewyorktimes/docview/102092451>.

**Anonymous:1937:NPT**

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**Anonymous:1937:SLR**

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**Anonymous:1938:LRL**

- [Ano38b] Anonymous. Lord Rutherford likened to Newton: Jeans, reading last speech of late scientist, hails him at Calcutta Congress. Puts him above Faraday. Address, written for meeting, calls on India to foster agricultural research. *New York Times*, ??(??):21, January 4, 1938. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL <http://search.proquest.com/hnpnewyorktimes/docview/102745232>.

**Anonymous:1938:OLR**

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**Anonymous:1945:AKS**

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- [Ano64] Anonymous. Essay review: *Lord Rutherford in Manchester. The Collected Papers of Lord Rutherford of Nelson. Vol. 2, Manchester* by H. Lipson, James Chadwick. *Science Progress (1933–)*, 52(208):666–668, October 1964. CODEN SCPRAY. ISSN 0036-8504 (print), 2047-7163 (electronic). URL <http://www.jstor.org/stable/43426630>.

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**Anonymous:1966:RSEa**

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- [Ano66e] Anonymous. The collected papers of Lord Rutherford of Nelson. Vol. III — The Cavendish Laboratory. *Contemporary Physics*, 7(3):230–231, 1966. CODEN CTPHAF. ISSN 0010-7514 (print), 1366-5812 (electronic).

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**Anonymous:1971:RGR**

- [Ano71b] Anonymous. Rutherford and Geiger re-evaluated. *Nature*, 232(5313):599, August 27, 1971. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v232/n5313/pdf/232599a0.pdf>.

**Anonymous:1971:U**

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**Anonymous:1972:RCC**

- [Ano72] Anonymous. Rutherford Centenary celebrations. *Notes and Records of the Royal Society of London*, 27(1):5, August 1972. CODEN NOREAY. ISSN 0035-9149 (print), 1743-0178 (electronic). URL <http://rsnr.royalsocietypublishing.org/content/27/1/5>.

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- [RCE51] Sir Ernest Rutherford, Sir James Chadwick, and C. D. Ellis. *Radiations from Radioactive Substances*. Cambridge University Press, Cambridge, UK, 1951. xi + 588 pp. LCCN QC721 .R94 1951.

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*Canada*, 61(1):29–32, January/February 2005. ISSN 0031-9147. URL [http://www.cap.ca/onlineforms/temp\\_PiC\\_archive/2005-v61-n1.pdf](http://www.cap.ca/onlineforms/temp_PiC_archive/2005-v61-n1.pdf); [http://www.cap.ca/pic/archives/61.1\(2005\)/Jan2005-offprint-Rayner-Canham.pdf](http://www.cap.ca/pic/archives/61.1(2005)/Jan2005-offprint-Rayner-Canham.pdf). The journal cover features a colored pastel portrait of 36-year-old Ernest Rutherford by R. G. Matthews, 1907.

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- [RCW<sup>+</sup>26] Sir Ernest Rutherford, S. Chapman, C. T. R. Wilson, Henry Jackson, E. V. Appleton, R. L. Smith-Rose, R. H. Barfield, W. H. Eccles, G. M. B. Dobson, G. C. Simpson, and F. A. Lindemann. Discussion on the electrical state of the upper atmosphere. *Proceedings of the Royal Society A: Mathematical, Physical, and Engineering Sciences*, 111(757):1–13, May 1, 1926. CODEN PRLAAZ. ISSN 1364-5021 (print), 1471-2946 (electronic). URL <http://rspa.royalsocietypublishing.org/content/111/757/1>.

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- [RdCENdCA14a] Sir Ernest Rutherford, F.R.S. and E. N. da C. (Edward Neville da Costa) Andrade, B.Sc., Ph.D. The wavelength of the soft  $\gamma$  rays from radium B. *Philosophical Magazine (6)*, 27(161):854–868, May 1914. CODEN PHMAA4. ISSN 1941-5982 (print), 1941-5990 (electronic). URL <http://www.tandfonline.com/doi/full/10.1080/14786440508635156>.

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- [RdCENdCA14b] Sir Ernest Rutherford, R.R.S. and E. N. da C. (Edward Neville da Costa) Andrade, B.Sc., Ph.D. The spectrum of the penetrating  $\gamma$  rays from radium B and radium C. *Philosophical Magazine (6)*, 28(164):263–273, August 1914. CODEN PHMAA4. ISSN 1941-5982 (print), 1941-5990 (electronic). URL <http://www.tandfonline.com/doi/abs/10.1080/14786440808635207>.

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- [RE31] Lord Rutherford, O.M., F.R.S. and C. D. Ellis, F.R.S. The origin of the  $\gamma$ -rays. *Proceedings of the Royal Society of London. Series A, Containing Papers of a Mathematical and Physical Character*, 132(820):667–688, August 1, 1931. ISSN 0950-1207 (print), 2053-9150 (electronic). URL <http://rspa.royalsocietypublishing.org/content/132/820/667>.

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**Rutherford:1924:XCL**

- [Rut24l] Professor Sir Ernest Rutherford, F.R.S. XXIV. The capture and loss of electrons by  $\alpha$  particles. *Philosophical Magazine (6)*, 47(278):277–303, February 1924. CODEN PHMAA4. ISSN 1941-5982 (print), 1941-5990 (electronic). URL <http://www.tandfonline.com/doi/abs/10.1080/14786442408634367>.

**Rutherford:1924:NADa**

- [Rut24m] Sir Ernest Rutherford, Kt., D.Sc., LL.D., Ph.D., D.Phys., F.R.S. The natural and artificial disintegration of the elements. *Journal of The Franklin Institute*, 198(6):725–744, December 1924. CODEN JFINAB. ISSN 0016-0032 (print), 1879-2693 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0016003224904510>.

**Rutherford:1925:DAN**

- [Rut25a] Ernest Rutherford. Disintegration of atomic nuclei. *Nature*, 115(2892):493–494, April 4, 1925. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v115/n2892/pdf/115493a0.pdf>.

**Rutherford:1925:EM**

- [Rut25b] Ernest Rutherford. Electricity and matter. *The Scientific Monthly*, 20(2):121–128, February 1925. CODEN SCMOAA. ISSN 0096-3771 (print), 2327-7513 (electronic). URL <http://www.jstor.org/stable/7117>.

**Rutherford:1925:MWX**

- [Rut25c] Ernest Rutherford. Moseley's work on X-rays. *Nature*, 116(2913):316–317, August 29, 1925. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v116/n2913/pdf/116316a0.pdf>.

**Rutherford:1925:SAa**

- [Rut25d] Ernest Rutherford. The stability of atoms. *Discovery: The Popular Journal of Knowledge*, 6(?):402–403, March 1925. URL <http://hdl.handle.net/2027/mdp.39015031957932>.

**Rutherford:1925:SAb**

- [Rut25e] Ernest Rutherford. The stability of atoms. *Journal of the Royal Society of Arts*, 73(3773):389–403, March 13, 1925. CODEN JRSAA4. ISSN 0035-9114. URL <http://www.jstor.org/stable/41357678>.

**Rutherford:1925:SANa**

- [Rut25f] Ernest Rutherford. Studies of atomic nuclei. *Engineering (London, UK)*, 119(??):437–438, April 1925. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1925:SANb**

- [Rut25g] Sir Ernest Rutherford. Studies of atomic nuclei. *Science*, 62(1601):209–211, September 4, 1925. CODEN SCIEAS. ISSN 0036-8075 (print), 1095-9203 (electronic). URL <http://adsabs.harvard.edu/abs/1925Sci...62..209R>; <http://www.jstor.org/stable/1649947>; <http://www.sciencemag.org/content/62/1601/209>.

**Rutherford:1925:TR**

- [Rut25h] Sir Ernest Rutherford. [trip report]. *Sydney Morning Herald*, ??(??):??, 1925. Written sometime between July and December 1925, and cited in [Wil83a, page 462], as “one of the most monumentally dull pieces of writing that anyone could imagine — indeed it seems almost immature, and might have been written by a rather uninteresting child of fifteen.”

**Rutherford:1925:ESM**

- [Rut25i] Professor Sir Ernest Rutherford, D.Sc., LL.D., Ph.D.F.R.S. The electrical structure of matter. *Smithsonian Institution, Annual Report*, 1924:161–185, 1925. CODEN SIAPAT. ISSN 0097-644X. URL <http://www.biodiversitylibrary.org/page/8803463>. For year ending 30 June 1924.

**Rutherford:1926:LSE**

- [Rut26a] E. Rutherford. A letter from Sir Ernest Rutherford. *Sigma Xi Quarterly*, 14(4):77–78, December 1926. CODEN SXQUAP. ISSN 0096-977X (print), 2327-7548 (electronic).

**Rutherford:1926:ARAA**

- [Rut26b] Ernest Rutherford. Alpha rays and atomic structure [Part I]. *Engineering (London, UK)*, 123(??):375–376, April 1926. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1926:ARAb**

- [Rut26c] Ernest Rutherford. Alpha rays and atomic structure [Part II]. *Engineering (London, UK)*, 123(??):409–410, April 1926. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1926:ARAc**

- [Rut26d] Ernest Rutherford. Alpha rays and atomic structure [Part III]. *Engineering (London, UK)*, 123(??):460–461, April 1926. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1926:ARAd**

- [Rut26e] Ernest Rutherford. Alpha rays and atomic structure [Part IV]. *Engineering (London, UK)*, 123(??):492–493, April 1926. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1926:ANT**

- [Rut26f] Ernest Rutherford. Atomic nuclei and their transformation (12th Guthrie Lecture, 25 Feb 1927). *Proceedings of the Physical Society, London*, 39(1):359–372, 1926. CODEN PP-SOAU. ISSN 0959-5309 (print), 2051-2171 (electronic). URL <http://stacks.iop.org/0959-5309/39/i=1/a=332>.

**Rutherford:1926:EWT**

- [Rut26g] Ernest Rutherford. Electric waves and their propagation. *Nature*, 118(2979):809–811, December 4, 1926. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v118/n2979/pdf/118809a0.pdf>.

**Rutherford:1926:ESM**

- [Rut26h] Ernest Rutherford. *The Electrical Structure of Matter*. ????, ????, 1926. ???? pp. LCCN Q11 .S66 1924.

**Rutherford:1926:RGAa**

- [Rut26i] Ernest Rutherford. The rare gases of the atmosphere [Part I]. *Engineering (London, UK)*, 121(??):353–354, March 1926. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1926:RGA b**

- [Rut26j] Ernest Rutherford. The rare gases of the atmosphere [Part II]. *Engineering (London, UK)*, 121(??):388–390, March 1926. CODEN ENGNA2. ISSN 0013-7782.



**Rutherford:1926:RGAc**

- [Rut26k] Ernest Rutherford. The rare gases of the atmosphere [Part III]. *Engineering (London, UK)*, 121(?):438, April 1926. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1926:RGAd**

- [Rut26l] Ernest Rutherford. The rare gases of the atmosphere [Part IV]. *Engineering (London, UK)*, 121(?):458–459, April 1926. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1927:RASa**

- [Rut27a] Ernest Rutherford.  $\alpha$  rays and atomic structure [Part I]. *Engineering (London, UK)*, 123(?):375–376, ?? 1927.

**Rutherford:1927:RASb**

- [Rut27b] Ernest Rutherford.  $\alpha$  rays and atomic structure [Part II]. *Engineering (London, UK)*, 123(?):409–410, ?? 1927.

**Rutherford:1927:RASc**

- [Rut27c] Ernest Rutherford.  $\alpha$  rays and atomic structure [Part III]. *Engineering (London, UK)*, 123(?):460–461, ?? 1927.

**Rutherford:1927:RASd**

- [Rut27d] Ernest Rutherford.  $\alpha$  rays and atomic structure [Part IV]. *Engineering (London, UK)*, 123(?):492–493, ?? 1927.

**Rutherford:1927:APSa**

- [Rut27e] Ernest Rutherford. Address of the President, Sir Ernest Rutherford, at the Anniversary Meeting, November 30, 1926. *Proceedings of the Royal Society A: Mathematical, Physical, and Engineering Sciences*, 113(765):481–495, January 1, 1927. CODEN PRLAAZ. ISSN 1364-5021 (print), 1471-2946 (electronic).

**Rutherford:1927:RN**

- [Rut27f] Ernest Rutherford. Radioactive nuclei. *Sigma Xi Quarterly*, 15(4):82–86, December 1927. CODEN SXQUAP. ISSN 0096-977X (print), 2327-7548 (electronic). URL <http://www.jstor.org/stable/27824352>.

**Rutherford:1927:SAI**

- [Rut27g] Ernest Rutherford. Scientific aspects of intense magnetic fields and high voltages. *Nature*, 120(3031):809–811, De-

ember 3, 1927. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v120/n3031/pdf/120809a0.pdf>.

**Rutherford:1927:SRA**

- [Rut27h] Ernest Rutherford. Structure of radioactive atoms and the origin of the  $\alpha$ -rays. In *Atti del Congresso internazionale dei fisici Como-Pavia-Roma, 11-20 settembre 1927*, volume 1, pages 55–64. Nicola Zanichelli, Bologna, Italia, 1927.

**Rutherford:1927:SRP**

- [Rut27i] Ernest Rutherford. Study and research in physics. *Nature*, 120(3027):657–659, November 5, 1927. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v120/n3027/pdf/120657a0.pdf>.

**Rutherford:1927:APSB**

- [Rut27j] Sir Ernest Rutherford. Address of the President, Sir Ernest Rutherford, at the Anniversary Meeting, November 30, 1926. *Proceedings of the Royal Society of London Series B*, 101(706):1–15, January 1, 1927. CODEN PRLBA4. ISSN 0950-1193 (print), 2053-9185 (electronic). URL [http://adsabs.harvard.edu/abs/1927RSPSB.101....1](http://adsabs.harvard.edu/abs/1927RSPSB.101....1;); <http://rspb.royalsocietypublishing.org/content/101/706>; <http://www.jstor.org/stable/27824304>.

**Rutherford:1927:RSE**

- [Rut27k] Sir Ernest Rutherford. Report from Sir Ernest Rutherford. *Sigma Xi Quarterly*, 15(4):81, December 1927. CODEN SXQUAP. ISSN 0096-977X (print), 2327-7548 (electronic). URL <http://www.jstor.org/stable/27824351>.

**Rutherford:1927:LSR**

- [Rut27l] Sir Ernest Rutherford, O.M., P.R.S. LI. Structure of the radioactive atom and origin of the  $\alpha$ -rays. *Philosophical Magazine (7)*, 4(22):580–605, September 1927. CODEN PHMAA4. ISSN 1941-5982 (print), 1941-5990 (electronic). URL <http://www.tandfonline.com/doi/abs/10.1080/14786440908564361>. Cited in [Wil83a, page 441] as ‘a great paper’. Wilson (page 559) later notes that this paper inspired George Gamow to his prediction of the quantum tunneling effect in 1929 (credit also goes to Edward Condon

and Ronald Gurney who wrote two papers in 1928 on that idea, and to Robert Oppenheimer, who published a paper on that topic five months before those of Condon and Gurney).

**Rutherford:1928:APSa**

- [Rut28a] Ernest Rutherford. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, November 30, 1927. *Proceedings of the Royal Society A: Mathematical, Physical, and Engineering Sciences*, 117(777):300–316, January 2, 1928. CODEN PRLAAZ. ISSN 1364-5021 (print), 1471-2946 (electronic).

**Rutherford:1928:OPB**

- [Rut28b] Ernest Rutherford. Obituary: Prof. Bertram B. Boltwood. *Nature*, 121(3037):64–65, January 14, 1928. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://adsabs.harvard.edu/abs/1928Natur.121..64R>; <http://www.nature.com/nature/journal/v121/n3037/pdf/121064a0.pdf>.

**Rutherford:1928:PPH**

- [Rut28c] Ernest Rutherford. Production and properties of high-frequency radiation. *Nature*, 122(3084):883–886, December 8, 1928. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v122/n3084/pdf/122883a0.pdf>.

**Rutherford:1928:TMPa**

- [Rut28d] Ernest Rutherford. Transformation of matter [Part I]. *Engineering (London, UK)*, 125(?):315–316, March 1928. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1928:TMPb**

- [Rut28e] Ernest Rutherford. Transformation of matter [Part II]. *Engineering (London, UK)*, 125(?):360, March 1928. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1928:TMPc**

- [Rut28f] Ernest Rutherford. Transformation of matter [Part III]. *Engineering (London, UK)*, 125(?):387, March 1928. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1928:APSB**

- [Rut28g] Sir Ernest Rutherford, O.M. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, November 30, 1927. *Proceedings of the Royal Society of London Series B*, 102(717):239–255, January 2, 1928. CODEN PRLBA4. ISSN 0950-1193 (print), 2053-9185 (electronic). URL <http://adsabs.harvard.edu/abs/1928RSPSB.102..239>; <http://rspb.royalsocietypublishing.org/content/102/717/239>.

**Rutherford:1929:HFR**

- [Rut29a] Ernest Rutherford. High frequency radiation of the X-ray type. *Science*, 69(1784):259–263, March 8, 1929. CODEN SCIEAS. ISSN 0036-8075 (print), 1095-9203 (electronic). URL <http://adsabs.harvard.edu/abs/1929Sci....69..259R>; <http://www.sciencemag.org/content/69/1784/259>.

**Rutherford:1929:MMRa**

- [Rut29b] Ernest Rutherford. Molecular motions in rarefied gases [Part I]. *Engineering (London, UK)*, 127(??):319–321, March 1929. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1929:MMRb**

- [Rut29c] Ernest Rutherford. Molecular motions in rarefied gases [Part II]. *Engineering (London, UK)*, 127(??):347–348, March 1929. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1929:MMRc**

- [Rut29d] Ernest Rutherford. Molecular motions in rarefied gases [Part III]. *Engineering (London, UK)*, 127(??):381, March 1929. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1929:MMRd**

- [Rut29e] Ernest Rutherford. Molecular motions in rarefied gases [Part IV]. *Engineering (London, UK)*, 127(??):449–450, March 1929. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1929:NPS**

- [Rut29f] Ernest Rutherford. Note by Professor Sir Ernest Rutherford [Max Planck]. *Naturwissenschaften*, 17(26):483, June 28, 1929. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic).

**Rutherford:1929:OAA**

- [Rut29g] Ernest Rutherford. Origin of actinium and age of the Earth. *Nature*, 123(3096):313–314, March 2, 1929. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v123/n3096/pdf/123313b0.pdf>. See also [Hol30].

**Rutherford:1929:PR**

- [Rut29h] Ernest Rutherford. Penetrating radiations. *The Engineer*, 147(??):413, April 1929. CODEN ENGIAL. ISSN 0013-7758.

**Rutherford:1929:RRB**

- [Rut29i] Ernest Rutherford. Recent reactions between theory and experiment. The Raman effect: The constitution of hydrogen gas. *Nature*, 124(3136):878–880, December 7, 1929. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v124/n3136/pdf/124878a0.pdf>.

**Rutherford:1929:APSa**

- [Rut29j] Sir Ernest Rutherford, O.M. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, November 30, 1928. *Proceedings of the Royal Society of London. Series A, Containing Papers of a Mathematical and Physical Character*, 122(789):1–23, January 1, 1929. ISSN 0950-1207 (print), 2053-9150 (electronic). URL <http://adsabs.harvard.edu/abs/1929RSPSA.122...1R>; <http://rspa.royalsocietypublishing.org/content/130/813/239>.

**Rutherford:1929:APSB**

- [Rut29k] Sir Ernest Rutherford, O.M. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, November 30, 1928. *Proceedings of the Royal Society of London Series B*, 104(729):97–119, January 1, 1929. CODEN PRLBA4. ISSN 0950-1193 (print), 2053-9185 (electronic). URL <http://adsabs.harvard.edu/abs/1929RSPSB.104...97>; <http://rspb.royalsocietypublishing.org/content/104/729/97>.

**Rutherford:1930:APSa**

- [Rut30a] Ernest Rutherford. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, November

30, 1929. *Proceedings of the Royal Society A: Mathematical, Physical, and Engineering Sciences*, 126(801):184–203, January 1, 1930. CODEN PRLAAZ. ISSN 1364-5021 (print), 1471-2946 (electronic).

**Rutherford:1930:ANTa**

[Rut30b] Ernest Rutherford. Atomic nuclei and their structure [Part I]. *Engineering (London, UK)*, 129(?):371–372, March 1930. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1930:ANTb**

[Rut30c] Ernest Rutherford. Atomic nuclei and their structure [Part II]. *Engineering (London, UK)*, 129(?):397–398, March 1930. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1930:ANTc**

[Rut30d] Ernest Rutherford. Atomic nuclei and their structure [Part III]. *Engineering (London, UK)*, 129(?):437–438, April 1930. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1930:ANTd**

[Rut30e] Ernest Rutherford. Atomic nuclei and their structure [Part IV]. *Engineering (London, UK)*, 129(?):470–471, April 1930. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1930:BF**

[Rut30f] Ernest Rutherford. Back of frontispiece. *Scientific American*, 142(6):423, June 1930. CODEN SCAMAC. ISSN 0036-8733 (print), 1946-7087 (electronic). URL <http://www.nature.com/scientificamerican/journal/v142/n6/pdf/scientificamerican0630-423.pdf>.

**Rutherford:1930:TM**

[Rut30g] Ernest Rutherford. The transmutation of matter. *Engineering (London, UK)*, 129(?):549–550, ??? 1930. CODEN ENGNA2. ISSN 0013-7782.

**Rutherford:1930:APSb**

[Rut30h] Sir Ernest Rutherford, O.M. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, November 30, 1929. *Proceedings of the Royal Society of London Series B*, 105(740):518–537, January 1, 1930. CODEN PRLBA4. ISSN 0950-1193 (print), 2053-9185 (electronic).

URL <http://adsabs.harvard.edu/abs/1930RSPSB.105..518>.; <http://rspb.royalsocietypublishing.org/content/105/740/518>.

**Rutherford:1930:IMF**

- [Rut30i] Sir Ernest Rutherford, O.M., P.R.S. Intense magnetic fields and low temperature research. *Nature*, 126(3188):884–885, December 6, 1930. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v126/n3188/pdf/126884a0.pdf>.

**Rutherford:1931:APSa**

- [Rut31a] Ernest Rutherford. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, December 1, 1930. *Proceedings of the Royal Society A: Mathematical, Physical, and Engineering Sciences*, 130(813):239–259, January 1, 1931. CODEN PRLAAZ. ISSN 1364-5021 (print), 1471-2946 (electronic).

**Rutherford:1931:GLD**

- [Rut31b] Lord Rutherford. Goettingen lecture 14 December 1931. Audio recording, December 14, 1931. URL <https://vimeo.com/18514971>.

**Rutherford:1931:TGR**

- [Rut31c] Lord Ernest Rutherford.  $\alpha$ -Teilchen grosser Reichweite und die Entstehung der  $\gamma$ -Strahlen. (German) [ $\alpha$  particles and long range origin of  $\gamma$  rays], volume [Jg. 82.] 1931, Fachgr. II, Nr 19, 1931 of *Sonderdrucke aus den Nachrichten von der Gesellschaft der Wissenschaften zu Göttingen: Mathematisch-physikalische Klasse*. Weidmann, Berlin, Germany, 1931. 248–251 pp. LCCN ????

**Rutherford:1931:ATG**

- [Rut31d] Lord Ernest Rutherford.  $\alpha$  Teilchen grosser Reichweite und die Entstehung der  $\gamma$  Strahlen. (German) [Long range  $\alpha$  particles and origin of  $\gamma$  rays]. *Nachrichten von der Gesellschaft der Wissenschaften zu Göttingen. Mathematisch-Physikalische Klasse*, 19:248–251, 1931. URL [http://gdz.sub.uni-goettingen.de/dms/load/img/?PPN=PPN252457811\\_1931&DMDID=DMDLOG\\_0046&LOGID=LOG\\_0046&PHYSID=PHYS\\_0254](http://gdz.sub.uni-goettingen.de/dms/load/img/?PPN=PPN252457811_1931&DMDID=DMDLOG_0046&LOGID=LOG_0046&PHYSID=PHYS_0254).

**Rutherford:1931:APsb**

- [Rut31e] Sir Ernest Rutherford, O.M. Address of the President, Sir Ernest Rutherford, O.M., at the Anniversary Meeting, December 1, 1930. *Proceedings of the Royal Society of London Series B*, 107(752):348–368, January 1, 1931. CODEN PRLBA4. ISSN 0950-1193 (print), 2053-9185 (electronic). URL <http://adsabs.harvard.edu/abs/1931RSPSB.107..348.>; [http://rspb.royalsocietypublishing.org/content/107/752/348.](http://rspb.royalsocietypublishing.org/content/107/752/348)

**Rutherford:1931:HP**

- [Rut31f] The Right Honourable Lord Rutherford, O.M., F.R.S. Helium and its properties. *Nature*, 128(3221):137–138, July 25, 1931. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v128/n3221/pdf/128137a0.pdf>.

**Rutherford:1932:APT**

- [Rut32a] Ernest Rutherford. Atomic projectiles and their applications. *Nature*, 130(3289):730–731, November 12, 1932. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v130/n3289/pdf/130730d0.pdf>.

**Rutherford:1932:EFR**

- [Rut32b] Ernest Rutherford. Erinnerungen an die Frühzeit der Radioaktivität. (German) [Memories of the early days of radioactivity]. *Zeitschrift für Elektrochemie*, 38(7 (or 8a??)): 476–480, July 1932. CODEN ZEELAI. ISSN 0372-8382.

**Rutherford:1932:BF**

- [Rut32c] Lord Rutherford. Back of frontispiece. *Scientific American*, 147(2):69, August 1932. CODEN SCAMAC. ISSN 0036-8733 (print), 1946-7087 (electronic). URL <http://www.nature.com/scientificamerican/journal/v147/n2/pdf/scientificamerican0832-69.pdf>.

**Rutherford:1932:OGRa**

- [Rut32d] Lord Rutherford. Origin of the gamma rays. *Nature*, 129(3256):457–458, March 26, 1932. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v129/n3256/pdf/129457a0.pdf>.



**Rutherford:1932:OGRb**

- [Rut32e] Lord Rutherford. The origin of the gamma-rays. *The Scientific Monthly*, 34(6):483–486, June 1932. CODEN SCMOAA. ISSN 0096-3771 (print), 2327-7513 (electronic). URL <http://www.jstor.org/stable/15205>.

**Rutherford:1933:AT**

- [Rut33a] Ernest Rutherford. Atomic transmutation. *The Times (London)*, ??(??):??, September 12, 1933.

**Rutherford:1933:GMS**

- [Rut33b] Ernest Rutherford. Great men of science: a history of scientific progress. *Nature*, 132(3332):367–369, September 9, 1933. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v132/n3332/pdf/132367a0.pdf>.

**Rutherford:1933:HH**

- [Rut33c] Ernest Rutherford. Heavy hydrogen. *Nature*, 132(3347):955–956, December 23, 1933. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v132/n3347/pdf/132955a0.pdf>.

**Rutherford:1933:RRTa**

- [Rut33d] Ernest Rutherford. Recent researches on the transmutation of the elements. *Nature*, 131(3307):388–389, March 18, 1933. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v131/n3307/pdf/131388a0.pdf>.

**Rutherford:1933:RR Tb**

- [Rut33e] Ernest Rutherford. *Recent researches on the transmutation of the elements*. Macmillan and Co., London, UK, 1933. 388–389 pp. LCCN Q1 .N2 v.131 p.388-389. Reprinted from [Rut33d].

**Rutherford:1933:TA**

- [Rut33f] Ernest Rutherford. *The transmutation of the atom*. British Broadcasting Corp., London, UK, 1933. 27 pp. LCCN QD461 .R97.

**Rutherford:1933:TE**

- [Rut33g] Ernest Rutherford. The transmutation of the elements. *Discovery: The Popular Journal of Knowledge*, 14(?):105–108, April 1933.

**Rutherford:1933:ATE**

- [Rut33h] Lord Rutherford. *The artificial transmutation of the elements: being the thirty-fifth Robert Boyle lecture, delivered before the Oxford University Junior Scientific Club on 2nd June 1933*, volume 35. Oxford University Press, Walton Street, Oxford OX2 6DP, UK, 1933. 12 pp. LCCN QD461 .R8.

**Rutherford:1933:RIH**

- [Rut33i] Lord Rutherford. [remark on “Interaction of hard  $\gamma$ -rays with atomic nuclei”]. *Nature*, 132(3340):709, November 4, 1933. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v132/n3340/pdf/132709a0.pdf>. See [CK33].

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