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Title word cross-reference

(100) [Tho84]. $1.0 - \mu$ [Gro89]. **\$1.50** [Dav37]. $1/2$ [Hei71]. 180° [EFKS96].
\$23.00 [Dys05]. **\$25.00** [Dys05]. **\$4.75** [Ble57]. **\$50** [Pip01]. 5×1 [Yuh92].
\$7.00 [Bat72]. $+$ [SSWB80a, Sad81]. ¹⁰ [LMC97]. ¹² [RR95]. ¹⁴ [RR95]. ¹⁶ \mathcal{O}
[RR95]. ³² [RRKH94]. ⁴ [MDJF83, ZB74]. o [Mon66]. ^{0.18} [WVH⁺99]. ^{0.25}
[TJRS03]. ^{0.47} [GRS⁺91]. ^{0.53} [GRS⁺91]. ^{0.75} [TJRS03]. ^{0.82} [WVH⁺99]. ¹
[KKK⁺99]. ^{1-x} [KKK⁺99, PAF⁺98, Win94]. ^{1.7} [WVD⁺96]. ^{1.8} [LFA⁺04]. ²
[CSN⁺00, DMV⁺96, IFSI94, Ish83, NJS⁺03, NFM⁺07, OaHNM98, LFA⁺04,
REJ86, Tho84, YKH⁺84]. ³
[Cat93, HGM⁺94, IFSI94, KKK⁺99, OaHNM98, RSdS⁺89, WZS⁺91]. ⁴
[WZS⁺91, YKH⁺84]. ⁵ [ESRDV84]. x [KKK⁺99, PAF⁺98, Win94]. a
[YKH⁺84]. α [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].

≈ 2 [KSKF93]. β

[FR13g, Hei68, Mos12a, MR14, Rut05n, Rut11i, Rut11j, Rut12b, Rut12c, Rut12e, Rut12h, RR13f, Rut14k, RRR14, Rut14i, Rut14h, Rut66b, Rut12]. c

[IOI⁺11]. $\csc^4(\theta/2)$ [Ram75]. γ

[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⁺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⁺11]. **-Rays**

[Cha12, FR13g, Rut10f, RE31, Rut66b, CK33, Rut27l, Rut27h, Rut33i]. **-Si** [YKH⁺84]. **-Strahlen** [Rut06i, Rut31c]. **-Teilchen** [RG09b, Rut31c, vdB07].

-Teilchens [Rut07g, Rut08c, Rut08d, RG09a].

/Cu [LFA⁺04]. /Fe [KSKF93]. /Si [NJS⁺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⁺10]. **1-butyl-3-methylimidazolium** [OHN⁺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⁺31b, Rut31a, Rut31e]. **1930s** [Stu79a]. **1931** [Rut31b]. **1933** [CCJ⁺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⁺23]. **1st** [LRdB⁺23].

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

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

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

7059 [DJBW83].

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

A. [Rut05j]. **Abbey** [Ano37a, Ano37j, Wal18]. **ABC** [Wen53]. **Aberdeen** [Ano20b]. **ablation** [KKK⁺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⁺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⁺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, RS02i, RB05b, Rut06a, RB06a, RB06b, Rut13f, SBEO86]. **Activity** [Ano08a, Bar06, MG12, RP07, Sod04, Rut00c, RS02i, Rut03c, Rut04c, Rut04k, Rut05h, RC19, Rut70d, Rut04, Rut07a, TMO⁺95, Tre79b]. **Actuels** [Rut05c]. **Adam** [Stu85]. **Additional** [Rut12c]. **additionnelle** [Rut12c]. **Additions** [CDE⁺31a]. **Address** [Rut09i, Rut23p, Rut27e, Rut27j, Rut28a, Rut29j, Rut29k, Rut30a, Rut30h, Rut31a, Rut31e, RCE⁺32, RSA⁺34b, RSA⁺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, 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⁺98, PCK⁺08, TF89, TMJ⁺99, ZWJ⁺02]. **Al-implanted** [ZWJ⁺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].

AlGaN [WYV⁺99]. **alhimija** [Rez38]. **alkali** [STB⁺01]. **alkaline** [HS39].
alkémia [RA45]. **alkyl** [NOH⁺10]. **Allen** [Bur64]. **Allibone**
 [Sei86, Stu85, Sen87, Tre75a]. **Alloy** [OaHNM98, TJRS03]. **alloys** [BBR80].
AlN [LCL⁺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⁺01]. **alumnae** [Mor84]. **Alumni**
 [RSWE27]. **Amateur** [Har01]. **American**
 [WH72, Bad05, Gri09, Lav14, Sla13]. **among** [Gri09, Wil83b]. **amorphous**
 [ATS86, REJ86]. **Amount** [Rut03a]. **Amplitude** [Mar72, Rut16e]. **Analogy**
 [Gre07, Lor88, SC13]. **Analysen** [MMKS⁺80]. **Analyses**
 [Mon66, Sen87, GR89, TGDS99, Wil83b]. **Analysis**
 [And90, Bra61, FLP⁺89, Hwa82, HHK87, LHB⁺09, MD69, MB90, RWWW30,
 RWL31a, RWL31b, RLB33, RWLB33, TGDS99, WVCW76, BJW97, BCM13,
 BP93, Bra98, CGL⁺94, Cat93, CCR⁺03, DMV⁺96, HV84, HHAMS93,
 KLL⁺90, KOHm94, LHNG14, LGF⁺99, Man82, MBS⁺04, MMKS⁺80, Par96,
 Phi83, PMCF⁺06, RMM⁺13, Reu81, RR13d, RR13f, SHAI09, Sha87b, SN05,
 STB⁺01, Sin93, Wuy91, ZWJ⁺02, Hwa83, RR13b, RR13e]. **analytical**
 [WM88]. **anatomy** [Sie11]. **Ancestry** [Ano06]. **Anchor** [Opp64]. **Andrade**
 [Aro65b, Opp64]. **angle** [DHS97, Kru75, Man77, WZS⁺91, vBD89]. **angles**
 [GM13]. **Angular** [RR95]. **Animals** [RMM⁺29]. **anion** [HW92].
Anmerkung [Rut05j]. **annealing** [BJW97, Bha82, CYM⁺03, DJBW83,
 GHCA91, LxW99, Lu87, MBS⁺04, Sad81]. **annihilation**
 [AAPN06, CYM⁺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⁺04, DBvdV87, Rut36a]. **Applications**
 [Her84, Moo78, Rut96b, Rut97b, RC12b, RMM⁺13, RC12a, Rut32a].
Applied [Wer23, Ano23b]. **applying** [FIY⁺99, IFSI94]. **appreciation**
 [Har01]. **Approximation** [Dem03]. **April** [LRdB⁺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⁺12]. **Atmosphäre** [RA02a]. **Atmosphere** [RA02b, RCW⁺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⁺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⁺04, Rus56a, Rut09k, Rut19a, Rut23a, Rut23b, Rut23c, Rut23d, Rut23e, Rut23f, Rut23g, Rut23h, Rut23i, Rut23j, Rut25a, Rut25g, Rut26f, Rut27a, Rut27b, Rut27c, Rut27d, RAC⁺29, Rut30b, Rut30c, Rut30d, Rut30e, Rut32a, RCE⁺32, Rut33a, Rut35d, Rut37g, RJ65, Rut70a, Rut70e, Rut70g, Rutxx, Sie11, Sod49, SM08, Tre75c, Ano23b, Bai13, Boh87, Cat12, CK33, CCJ⁺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⁺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⁺23, Bad04a]. **Atomskerns** [Hou30]. **Atomtheorie** [Rut36f]. **Atomzertrümmerung**

[Gam29b]. **Atoommodel** [Bur18]. **Attainment** [Mos13a]. **attempts** [Nav06]. **attract** [Fla17]. **audio** [BC16]. **Auger** [Bra98, BPSW91, Bur86, CSN⁺00, Fow83, Gro89, Kot91, PMCF⁺06, SBEO86, Sha87b, TGDS99, Wuy91, Yuh92, vdK89]. **August** [Hil17]. **Ausarbeitung** [Lüd13]. **ausgesandten** [Rut07g, RG09b]. **ausgesendeten** [RR13a]. **auspices** [Ano12a, CCJ⁺34, VRWB12]. **aussieht** [Büh98a]. **Australia** [Jen85]. **Authoritative** [Kae39]. **autobiography** [Hah67b]. **Autunite** [Rut15a]. **Avogadro** [Lee98, Mur01, Stu00]. **avril** [LRdB⁺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⁺99, IFSI94, KKK⁺99]. **Back** [Bau73a, Rut30f, Rut32c]. **Back-Scattering** [Bau73a]. **Background** [Cro74c, NP38, NP40, Ree15b]. **backscatter** [KKGW85, Sim82]. **Backscattering** [CLZ99, ERM95, EMVK90, MKM⁺07, JBS12, LHB⁺09, LGA⁺06, NOSK08, OaHNm98, LFA⁺04, SHCK96, ATS86, AAPN06, And90, Bar85, BJW97, BKP⁺06, Bau73b, BSS88, Bha82, BP93, Bra98, BPSW91, BVI88, Bur86, CGL⁺94, Cat93, CFMO12, CYM⁺03, CCR⁺03, Cle81, CSN⁺00, Con82, CCR85, CBZ⁺12, DJA⁺04, DGC07, DMV⁺96, DHS97, DJBW83, Eld85, EFKS96, ESRDV84, FGM⁺00, Fow83, FLP⁺89, FTT96, FIY⁺99, GHCA91, GR89, GC00, Gro89, GRS⁺91, HV84, HHAMS93, HKH96, HNS⁺11, Her84, HKM⁺09, HW92, HGM⁺94, Hwa82, Hwa83, IYT⁺09, IFSI94, Ish83, IOI⁺11, KB93, KKK⁺99, KOhM94, KBvB⁺05, KSKF93, KIS⁺89, KY11, Kot91, KG91, LHNG14, LRF86, LDLM91, Lia80, LMC97, LxW99, Lu87, LCL⁺04, MDJF83, MB90, Man82, MCJK90, MBS⁺04, MMKS⁺80, NJS⁺03, NFM⁺07, NOH⁺10, NMSK13, Nor79, NBG⁺84, Oeh86, OHN⁺09, Par96]. **backscattering** [PAF⁺98, PPA⁺02, PBFt83, Phi83, PNFO88, PMCF⁺06, PCK⁺08, RMM⁺13, RSdS⁺89, Rei79, REJ86, Reu81, Rot74, SSWB80b, SSWB80a, Sad81, Sar79, SER⁺01, SHAI09, SBEO86, Sha87b, SN05, SWZ⁺05, SCP⁺91, STB⁺01, Sin93, Sku89, SLA⁺00, SDD⁺08, SPL⁺08, Tab97, TCZY97, TF89, TMJ⁺99, Tho84, TGP11, TGDS99, TJRS03, Vas90, WCGC86, WZS⁺91, Wan96, WV07, Whi82, Wie78, Wil83b, WVCW76, Win94, WM88, WVD⁺96, WVH⁺99, WYV⁺99, WCZ⁺02, Wuy91, Yuh92, ZWJ⁺02, ZCS⁺12, ZB74, vIS89, vdK89]. **backscattering-ion** [HKH96]. **backscattering/channeling** [LCL⁺04, Phi83, TJRS03, WVH⁺99, WYV⁺99, WCZ⁺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** [Ano66b, Bad04b, Bad09, Badxx, Lov75, Eva39a, Eva39b, M.39]. **barrier**

[Gro89, Kot91, RR95]. **Barus** [dB14, Ano12a]. **Based**
 [Boh61, WMT01, NMSK13, Rut37a, Rut14]. **basic** [Wen53]. **Battered**
 [Ano32b]. **BBC** [Ano23a]. **Be**
 [Ano06, Ano32a, Wal18, Ano08a, Nix19, Sch15, Spe19]. **beads** [Lor88]. **beam**
 [Ano17b, FLK92, HFD⁺99, KKGW85, LSK⁺88, SML91, WVD⁺96]. **Beams**
 [EMVK90, SWZ⁺05, Ten20, YHS97]. **Bearing** [Hol30]. **beat** [DBE⁺85].
became [Ree15a]. **Becquerel**
 [Bel82, Mon66, RM00b, Gen95, RM00b, RM00a, RM01]. **Becquerel-**
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[Sno67, Sno68]. **location** [RSdS⁺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⁺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⁺04, DHS97, Hwa82, Hwa83, KB93, LCL⁺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⁺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** [RS02f]. **LXV** [Eve05]. **LXVII** [Rut09j]. **LXVIII** [RR08d]. **LXXIII** [Rut07b]. **LXXIX** [Rut11i]. **LXXXV** [GF10, Rut02a]. **LXXXVI** [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⁺01]. **Magic** [Cho01]. **Magnetic** [Mur13, Rut96b, Rut97b, Rut06c, Rut27g, Rut30i, RLB33, RWLB33, HZ15, KLL⁺90, LSK⁺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]. **Materie** [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]. **Methode** [RG09b, RG08c, RC12a]. **Methods** [SN05, BSS88, Rut15d, RA45]. **methylimidazolium** [NOH⁺10, OHN⁺09]. **MeV** [RRKH94]. **Mg** [SHAI09, TMJ⁺99]. **Mg-rich** [SHAI09]. **MgO** [FIY⁺99, HGM⁺94]. **Michael** [Gus12]. **microanalysis** [NBG⁺84]. **microprobe** [GR89]. **MicroReviews** [Hub13]. **microscope**

[Tab97]. **Microscopic** [RMM⁺29]. **Microscopy** [OaHNM98, BKP⁺06, CSN⁺00, FGM⁺00, FIY⁺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⁺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⁺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⁺96]. **Most** [Kha20, Ber07, Jen08, LSN⁺09, MB⁺85, Won20]. **Mother** [FF17, Ano36b]. **motions** [Rut29b, Rut29c, Rut29d, Rut29e]. **Moving** [Wei72, Wei85]. **Mr.** [Ano45]. **MST** [HFD⁺99]. **Müller** [Kor12, Kor12]. **multicusp** [DJA⁺04]. **multilayer** [SSWB80b]. **multilayers** [KSKF93, PMCF⁺06]. **multiple** [PPA⁺02]. **My** [dR92, Cam97, Wil60, Coh88, Coh89, Coh91, Coh92, dB70]. **Mylar** [BP93]. **Mysterious** [Dys05]. **Mystery** [Ano32a, FR13j].

N [Aro65b, Opp64, Pia24, Rön58, WZS⁺91, Mon66, RR95, WVH⁺99]. **nach** [Ano31a, Sod02]. **Nachruf** [SR37]. **Nachweis** [HS39]. **NaCl** [MKM⁺07, HKM⁺09, Rei79]. **Nagaoka** [Bad67, Bad85b, Hei67]. **Name** [Ano17b, VPW14]. **Names** [Sto97]. **Naming** [Bro18, Stu86a]. **Nanocluster** [Par96]. **Nanocomposites** [LFA⁺04]. **Nanoparticle** [WMT01, LHNG14]. **Nanoscale** [LHB⁺09]. **nanosized** [DMV⁺96, FGM⁺00]. **narrow** [MBS⁺04]. **nas** [dAMxx]. **Nations** [Ano37j]. **native** [Win94]. **Natur** [RS02b, RS02a, Rut08c, Rut08d, RG09a, Sod02]. **Natural** [Rut24k, RW25, FH60, Leo05, Rut24m, Rez25]. **Nature** [dCAH64, Aro65b, Bal15, Opp64, Ree08, Rut04f, Rut08a, RG08d, Rut08f, RR08e, RR09c, RR09a, RR09d, dCENdCA64, Meh73, RS02b, RS02f, RS02c, RS02a, RS02g, RG08b, Rut08c, Rut08d, RG09a, RR09b, RC24c, Sod02, Wen53, RR09a, Bal19]. **Naturwissenschaft** [FH60]. **naucnye** [Rez71, Rez72]. **Nb** [KKK⁺99].

Neale [Stu79b]. **Near** [MKM⁺07, Kae36, KBvB⁺05, GHCA91, RR95].
Near-Surface [MKM⁺07, KBvB⁺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⁺99]. **neutrals**
 [vBD89]. **neutrino** [Nav06]. **Neutron**
 [Cha32a, Cha32b, Cha33, FR13h, GLR06, Pol91, Rog13, Rut35e, Lor70b,
 Bad83, Bro97, Bur13a, Bur13b, Bur15, HS39, LSN⁺09, LxW99].
Neutron-Induced [GLR06]. **neutron-irradiated** [LxW99]. **neutron-rich**
 [LSN⁺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⁺91, Wuy91]. **Ni/Au/Te**
 [Wuy91]. **Ni/Si** [AAPN06]. **NiB** [SCP⁺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, RRKH94, Rut10a, Whi82, Rut19g]. **niveis** [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, RRKH94, BP93, LMC97, Low79].
Non-Rutherford [RRKH94, BP93, LMC97]. **Non-Technical**
 [Ole81, Low79]. **Nondestructive** [BSS88]. **Normal** [Rut11e, WZS⁺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, 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, 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, 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, Ano38c, Boh37, Bra37, Bur38, Cha37, Eve37, M.39, Rut28b, Rut34f, Rut35j, Smi37, Sod37, Tho37a, Tho37b, Clo18, Dit80, Lab38, Lai37, Mar38, Mil38, Tho70, 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⁺84]. **other** [Wal18]. **Otto**

[CSW97, BW80, CSW97, Hah67b, She83b]. **Our** [Ano99, Mac11, Sat18].

ouvrage [Mon66]. **Overhead** [Eic72]. **overlaps** [Lia80]. **overlayer** [NFM⁺07]. **Overturnd** [Kri19a]. **overview** [CAN88]. **Oxford** [Ble02, Rut33h]. **Oxidation** [KEJ87, SPL⁺08, NBG⁺84]. **Oxide** [Bau73a, Bau73b, Sha87b, TMJ⁺99]. **oxides** [Sin93, TF89, Win94]. **Oxygen** [ERM95, Rut19g, Cat93, NFM⁺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, RS02j, RS02i, RS02k, RS02l, Coh89, Coh91, Coh92, Mor84, Mos14b, RS02b, RS02f, RS02a, RS02g, 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⁺90, LSK⁺88]. **PBFA-II** [KLL⁺90, LSK⁺88]. **Pd** [SCP⁺91, vdK89]. **Peace** [Ano16]. **peak** [Wie78]. **Penetrating** [GRR⁺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** [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⁺12]. **photo-induced** [CBZ⁺12]. **photo-voltage** [CBZ⁺12]. **photodissolution** [REJ86]. **photoelectron** [And90, Bra98, Bur86, CSN⁺00, Sin93, Vas90, Win94]. **Photographic** [GR12]. **Photonic** [SC13]. **photoresist** [RKL88, vIS89]. **Phys** [Hwa83]. **Physical** [BP70, Cat93, Har07, Har60, Hei71, Rut09i, Rut13e, Tre79a, Ano12b, RCO⁺54]. **Physicians** [Sla13]. **Physicist** [Ano07, Ano37i, Ano37j, BHN98, DeB19, 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, Böh98b, Cli87, Con62, Gam85, Glo20, Hag17, Har38, Hei79a, Hen84, Hug93, Hug00, Kae48, KHFA67, Lon03, Lon16d, LRdB⁺23, Mor74, RC13, Ree15a, Rut09b, Rut09c, Rut35d, Seg76, Sha87a, Sim96, Stu79a, WP85, Wei11, WH72, Wei72, Wei85, Wen53, Wil74, Wri64, Adl03, Ano09a, Ano18e, Clo18, CCJ⁺34, FR13i, Fre12, Tes19, Ano12a]. **Physik** [Böh98b, Rut09b, Rut09c]. **physique** [CCJ⁺34, LRdB⁺23]. **Picton** [Wad20]. **Pictures** [Ano23b]. **Pierre** [DMPA08, Gri09, Ril70]. **piezoelectric** [Rut15b]. **piezoelectricity** [Kat12]. **pileup** [Wie78]. **pinch** [HFD⁺99, RFF⁺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⁺11]. **Plants** [RMM⁺29]. **Plasma** [EMVK90, Sin93, Oeh86]. **plasma-etched** [Oeh86]. **plasmas** [vBBD⁺92]. **Plastic** [Gre07]. **plates** [Mos13b]. **plating** [PNFO88]. **Platinum** [Rut01f, Rut01a]. **play** [Nix19]. **pleochroic** [JR13]. **plots** [SDD⁺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⁺85]. **Portuguese** [dAMxx]. **Positive** [Rut05e]. **positron** [AAPN06, CYM⁺03, FTT96, vdK89]. **Possible** [Cha32b, Rut15f]. **post** [Lu87]. **post-rapid-thermal** [Lu87]. **Postgrowth** [CYM⁺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⁺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⁺09]. **Processes** [Rut03g, STB⁺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⁺09, LRF86, ZCS⁺12]. **profiles** [MCJK90, PMCF⁺06, SLA⁺00, Win94]. **profiling** [BSS88, MBS⁺04, NJS⁺03, PPA⁺02, vIS89]. **Progress** [Rut33b, Ano33d, Ano18c]. **Project** [Mar61, Reel15a, 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⁺34, Mak08, Rut05m, Rut06i, Rut06j, Rut23a, Rut23b, Rut23c, Rut23d, Rut23e, Rut23f, Rut23g, Rut23h, Rut23i, Rut23j, Rut31f, Lor70a]. **Proportion** [RB05a, RB05b, RB06a, RB06b]. **propriétés** [CCJ⁺34]. **Prospect** [Ano23b]. **Protection** [Rut36g, Rut36j, Rut36k].

Proton

[Ano19b, BP93, Muk19, Rom97, Ano17b, Cam19, CS19, Sut19, YHS97].
protonated [HW92]. **Protonen** [MMKS⁺80]. **Protons**
 [Ano32b, CW32, Elf14, OR33, OKR33, Clo18, Fel19, MMKS⁺80]. **prouton**
 [Rom97]. **Pt** [NBG⁺84, OaHNM98, SCP⁺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⁺89]. **Quanta** [Kle66, dB70]. **Quantentheorie**
 [Gam28, Gam29b, Hou30, Pol60]. **Quantenwelt** [Arr06]. **Quantitative**
 [Par96, PMCF⁺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⁺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, RS02i, vdB13, Tre79b]. **Radio-Active**
 [Rut04l, Rut05p, RG08a, Rut13i, MF11, Rut01c, Rut02b, RB05b, Rut06a,
 RB06a, RB06b, Rut13f, Rut00g, Rut00b, RS02i]. **Radio-Activity**
 [Ano08a, Bar06, MG12, Sod04, Rut00c, Rut03c, Rut04c, Rut04k, Rut05h,
 RC19, Rut70d, Rut04, Rut07a, RS02i, Tre79b]. **radio-frequency** [Cat93].
radioactifs [RB06a]. **Radioactive**
 [Ano37i, Bad68, CDE⁺31a, CDE⁺31b, CDE⁺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, RS02j, RS02k, RS02l, Rut02c,
 RG02b, RS02h, 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, RS02h, 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, RS02f, Rut02a, RS02j, RS02k, RS02l, Rut02d, RS02a, Rut02e, RS02g, 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⁺31a, CDE⁺31b, CDE⁺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, RWWW30, 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⁺31a, CDE⁺31b, CDE⁺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⁺91, RWL31a, RLB33, RW16, Rut16d, Rut21g, RC24c, Rut31d, Rut31c]. **Rapid** [Ano23b, GHCA91, LxW99, Lu87]. **Rapports** [CCJ⁺34, LRdB⁺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⁺03, CSN⁺00, CCR85, CBZ⁺12, DHS97, HV84, KKK⁺99, KBvB⁺05, KSKF93, PAF⁺98, PCK⁺08, Rut14i, Rut16c, RW25, SER⁺01, SC13, Sin93, Sku89, SDD⁺08, Ten20, Vas90, Win94, WVH⁺99, WYV⁺99].

Rayleigh [Cla13]. **rayonnement** [Rut06b]. **rayons** [Rut12b, Rut12c]. **Rays** [Ano22, Bau73a, Cha12, FR13g, GRR⁺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⁺13]. **re** [Ano71b]. **re-evaluated** [Ano71b]. **reached** [Ano19]. **reaction** [And73, Cat93, FLP⁺89, HV84, MBS⁺04, Pae15a, SHAI09, STB⁺01, Whi82, ZWJ⁺02]. **Reactions** [Ang00, Kri16, Rut29i, MBS⁺04]. **reactive** [Rei79]. **reader** [HT10]. **Reading** [Ano38b]. **real** [SDD⁺08]. **real-time** [SDD⁺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⁺84]. **Recollections** [Ano66a, Bat72, Dev71, Kap66a, Kap66b, Kap73b, Kap80d, Kay63, Lew72, Moo78, Oli72b, Tho36, Tho37c, Tho75, Tre73, Oli72a]. **recombination** [HFD⁺99, Rut97c]. **Reconstruction** [Nia98, NM12, RN04]. **Recorded** [Sme97b, Kay63]. **records** [Sme97a]. **recovery** [ZWJ⁺02]. **Rede** [SR37]. **Reefton** [McC19]. **Reflection** [MD13a, RdCENdCA13, GM09, KBvB⁺05]. **Reflections** [Lew72, Tho36, Tho37c, Tho75]. **reflectometry** [PCK⁺08]. **Reflexion** [MD13b]. **refractory** [Her84]. **Refugee** [Seg85]. **regime** [HZ15]. **Region** [MKM⁺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⁺31b, Rut08b, Rut27k, Rut34h, KHFA67, Rut15j, Rut15k, Rut15l, Rut25h, CDE⁺31a, CDE⁺31c, Mar61]. **reported** [Bey49]. **Reports** [Ano19, RSWE27, LRdB⁺23, CCJ⁺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⁺91, SDD⁺08]. **Resisting** [Kra11]. **Resolution** [LHB⁺09, NOSK08, Bha82, CFMO12, DGC07, HNS⁺11, HGM⁺94, IYT⁺09, NJS⁺03, NFM⁺07, NOH⁺10, NMSK13, OHN⁺09]. **resolved** [AAPN06]. **resonance** [FLP⁺89, Sin93]. **resonant** [HZ15, MBS⁺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⁺99, RFF⁺01]. **reversed-field** [HFD⁺99, RFF⁺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, 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⁺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⁺02, PCK⁺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]. **rozdenija** [Kap73a]. **Rt** [Coh40, Swa40, Eve39]. **Rt.** [Eve13]. **Rückstreu** [MMKS⁺80]. **Rückstreu-Analysen** [MMKS⁺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, Ano38c, Ano46a, Ano60, Ano64, Ano66e, Ano66b, Ano09b, Aro65a, Aro66, Bad04a, Bad04b, Bad09, Badxx, Bir57, Bir61, Ble57, Boh26, Boh37, Bra37, Bro86, Bru64, Bru79, Büh98a, Bur64, Bur38, 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, Jak79, 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]. **Rutherford** [dB14, dB32, dR92, ATSS86, 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, Ano46b, Ano48, Ano50, Ano66a, Ano66b, Ano66d, Ano66c, Ano71a, Ano71b, Ano72, Ano05, Ano06, Ano09a, Ano09c, Ano10, Ano11, Ano16, Ano17c, Ano17d, Ano18d, Ano18e, Ano19a, Anoxxa, Anoxxb, Anoxxc, Anoxxd, App62, Aro65b, Ast70, Bad67, Bad68, Bad69, Bad71, Bad74, Bad75, Bad79a, Bad83, Bad85a, Bad85b, Bad04b, Bad08, Bad09, Bar85, BJW97, Bar83, BB80].

Rutherford [BKP⁺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, CGL⁺94, Cam98, Cam99, Cam00, Cam05, Cam09, Cam11, Cam14, Cam19, Car98, Cat93, Cha54, CFMO12, CYM⁺03, CCR⁺03, CLZ99, Cla13, Cla06, Cle81, Coc46, Coc53, Coh88, Coh89, Coh91, Coh92, Coh95, Coh97, CSN⁺00, Con82, Cot10, CCR85, CBZ⁺12, Cro74c, Cro74b, DBE⁺85, DJA⁺04, Dan66, Dar56b, DGC07, Dav71a, Dav71b, Dav37, Dea03, Dee67, Dem03, Dev71, Dev91, DMV⁺96, DHS97, DM96, DBvdV87, Dow08, DYF67, DY68, DJBW83, Ear66, Eic72, ESWW82, Eld85].

Rutherford [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⁺00, Fla17, Flo70, Foc39, Fow72, Fow83, Fre12, FLP⁺89, FTT96, FIY⁺99, Ful13, GHCA91, GW73, Gar62, Gea61, Gei38b, Geo38, GR89, Goo10, Gor55, Gra02, GC00, Gre07, Gri09, Gro89, Gué38, GRS⁺91, HM31, Hah62, Hah67a, HV84, HRM79, HHAMS93, HFD⁺99, HKH96, HNS⁺11, Hau82, Hei68, Hei79b, Hei81, Hei03, Hei67, Her84, Her77, MKM⁺07, HKM⁺09, Hes00, Hil17, Hon98, How58, HW92, HZ15, HBA77, Hub13, Hug08, Hug12, HGM⁺94, Hwa82, IYT⁺09, IFSI94, Ish83, IOI⁺11, Jac72, Jar08b, Jen11, JBS12, Kae39, Kap73a, Kap66a, Kap66b, Kap73b, Kap80b, Kap80c].

Rutherford

[Kap80d, Kap80e, KB93, Kat12, Kat15, Kay63, KLL⁺90, KKK⁺99, KOHm94, KBvB⁺05, KSKF93, KIS⁺89, KY11, Kot91, KG91, Kra12, Kri19c, Kri19d, Kri19e, Kru75, KKGW85, KS76, LHB⁺09, Lab38, Lai37, LHNG14, Lau37, LRF86, LGA⁺06, Lee98, LSK⁺88, LSN⁺09, LDLM91, Lew72, Lia80, LGF⁺99, LEM65, LMC97, LxW99, Liv62, Lon16c, Lon16d, Lon16b, Lor88, Low79, Lu87, LCL⁺04, Lüd13, MDJF83, Mac11, MD69, MB90, Man82, Man76, Man77, Mar61, Mar72, Mar38, Mar54, MM03, MCJK90, Mas72, McC19, McG84, McK62, Mec14, MSB⁺37, MBS⁺04, MMKS⁺80, Moo74, Moo78, Mor75, Mot63, Mot72, Mur13, NJS⁺03, NFM⁺07, NOSK08, NOH⁺10, NMSK13, NL00, Nor79, NBG⁺84, O'S71, O'S72, Oeh86, OHN⁺09, OaHNM98, Oli47, Oli72a, Oli72b, Oli84, Oli85a, Opp64, OH64, Pae15b, Par96, PAF⁺98].

Rutherford [Pei88, Pei97a, Pei10, PPA⁺02, PBFt83, Phi83, PNFO88, Pip01,

Pod10b, Pol60, PMCF⁺⁰⁶, PCK⁺⁰⁸, Rad13, RRKH94, RR95, Ram75, RMM⁺¹³, RCRC04, RFF⁺⁰¹, RSdS⁺⁸⁹, Ree08, Rei79, LFA⁺⁰⁴, Rei71, REJ86, Reu81, RSWE27, Ril70, Rit92, RCO⁺⁵⁴, Rom97, Rot74, Row55, Row57, Rus37, Rus51, Rut26a, Rut27k, Rut29f, SSWB80b, SSWB80a, Sad81, Sar79, SER⁺⁰¹, See65, Seg80b, Sei86, SHAI09, SC13, SBEO86, Sha87b, SN05, SWZ⁺⁰⁵, Sha37, She83a, SCP⁺⁹¹, Shi72, Sho82, STB⁺⁰¹, Sie11, Sim82, Sin93, Sku89, SLA⁺⁰⁰, SDD⁺⁰⁸, Sme97b, Sme97a, Sno58, Sno67, Sno68, Sod02, Sod03, SR37, Sta61, SN67, SHCK96, Stu79b, Stu85, Stu86b, Stu00, SML91, Sut01, SPL⁺⁰⁸, Tab97, TvBO⁺⁹², TMO⁺⁹⁵, TCZY97, TJ11, TF89, Tem89, Ter38, Ter67, Tes19, TMJ⁺⁹⁹, Tho08a, Tho08b]. **Rutherford** [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⁺⁹¹, Wan96, Wei11, WV07, Wer23, WMT01, Whi82, Wic65, Wie78, Wil15, Wil74, Wil83b, Wil83a, WVCW76, Win94, WM88, WVD⁺⁹⁶, WVH⁺⁹⁹, WYV⁺⁹⁹, WCZ⁺⁰², Wuy91, Wyb72, YKH⁺⁸⁴, YHS97, Yuh92, ZWJ⁺⁰², ZCS⁺¹², ZB74, Zim69a, Zim69b, del79, vBD89, vBBGO90, vBBD⁺⁹², 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⁺⁰⁴]. **Sallhofer** [Lak96]. **samples** [LGF⁺⁹⁹]. **Samuel** [Hug08, Kay63]. **Sanctuary** [Rut34k, Rut34n]. **Santilli** [Bur13a, Bur13b, Bur15]. **Satellite** [Stu86b]. **Saturday** [Hil17]. **sawtooth** [TMO⁺⁹⁵]. **Says** [Ano19, Ano22, Ano23b]. **SbCl** [ESRDV84]. **scale** [Gro89]. **scanning** [FIY⁺⁹⁹, 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⁺⁹⁹, Hei68, Kru75, LGF⁺⁹⁹, Man77, Pae15b, RR95, RFF⁺⁰¹, Rit92, Rut11i, RC27, Rut12, SC13, SML91, TvBO⁺⁹², TMO⁺⁹⁵, YHS97, vBD89, vBBGO90, vBBD⁺⁹², RN13, RC25]. **Scholars** [Rut34n]. **Scholastic** [Ano66d]. **Schrödinger** [Lak96]. **Science** [dCENdCA58, Ano09b, Ano20b, Ano23b, Ano32c, Anoxxb, Anoxxc, Boh61, Cle19, Dea03, Dev91, 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, Eve06, Har07, Har01, Kap80e, Mil13, Rod19, Rut27g, Rut33h, Rut33b, TGMR74, dB32, Bey49, Fra05, Hah67b, Osg66, Rez71, Rez72, Wri64]. **Scientifica** [Cle19, Won20].

scientifiques [Mon66]. **Scientist** [Ano37c, Ano38b, Ced00, Clo18, Foc37, Her01a, Her01b, Hub01, RCRC92, Tur01, Ano37d, 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-implemented** [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⁺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⁺11]. **Sep** [Rut05c]. **separation** [ESWW82]. **September** [Bir61, Fle57, Meh73, Rut12a, VRWB12]. **septième** [CCJ⁺34]. **Settler** [Dea03]. **Seventh** [CCJ⁺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⁺91, SDD⁺08]. **Shields** [Whe18]. **shift** [Far87]. **Shifting** [TGMR74]. **Shifts** [Mar72]. **Shines** [Bah00]. **shook** [Gam85]. **Short** [Gen95, MF11]. **Si** [NJS⁺03, YKH⁺84, AAPN06, CFMO12, DGC07, FTT96, Gro89, KBvB⁺05, KEJ87, Lu87, LCL⁺04, NFM⁺07, SSWB80a, Sad81, TJRS03, WZS⁺91, WCZ⁺02, Yuh92, ZWJ⁺02, vIS89, vdK89]. **Si-depth** [vIS89]. **Si-Rich** [KEJ87]. **sic** [Ano09a, BKP⁺06, KIS⁺89, SPL⁺08, ZWJ⁺02]. **SiD** [YKH⁺84]. **Sidey** [Ano36a, Ano46a]. **Sidgwick** [Rut37a, Rut14]. **Sigma** [RSWE27]. **signal** [Lia80]. **Significance** [Fre79, TGMR74]. **Significantly** [WM88]. **SiH** [YKH⁺84]. **silicate** [IYT⁺09]. **Silicide** [AAPN06, KEJ87, Bra98, Her84]. **silicon** [ATS86, BPSW91, BVI88, Hwa82, Hwa83, IYT⁺09, KIS⁺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⁺08]. **Since** [AK11, Ano37d]. **Single** [Dav71b, MKM⁺07, Fow83, KIS⁺89, Rei79, Sad81, Whi82]. **single-crystal** [Whi82]. **SiO** [NFM⁺07, CSN⁺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⁺89]. **situ** [HV84, KKGW85, NFM⁺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⁺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⁺01]. **softened** [TGP11]. **Solar** [Ree06]. **sole** [Ril70]. **Solid** [CFMO12, DJBW83]. **Solution** [Ano32a]. **Solutions** [Rut05d]. **Solvay** [CCJ⁺34, Far01, CCJ⁺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⁺94, DJA⁺04]. **Sources** [GLR06, KHFA67, Rut06b, Rut06n, RC24c]. **sous** [CCJ⁺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⁺90, LSK⁺88]. **spectrographs** [FLK92]. **spectrometer** [HKH96]. **spectrometries** [SCP⁺91]. **Spectrometry** [CLZ99, ERM95, MKM⁺07, JBS12, SHCK96, BPSW91, Bur86, CFMO12, Cle81, CSN⁺00, CCR85, DJA⁺04, ESRDV84, FLP⁺89, FIY⁺99, Her84, Hwa82, Hwa83, IYT⁺09, IFSI94, KB93, KKK⁺99, KKGW85, LRF86, LDLM91, Lia80, LxW99, MCJK90, MBS⁺04, Par96, PAF⁺98, PNFO88, PMCF⁺06, PCK⁺08, RRRK94, RMM⁺13, Reu81, SBEO86, SN05, SWZ⁺05, STB⁺01, Sku89, SLA⁺00, SDD⁺08, SPL⁺08, Tab97, TCZY97, TGP11, TGDS99, Wil83b, WM88, vdK89]. **spectrometry/channeling** [LxW99]. **spectroscopic** [BKP⁺06, TGDS99]. **spectroscopies** [CBZ⁺12, Gro89]. **Spectroscopy** [EMVK90, NOSK08, OaHNM98, LFA⁺04, And90, Bar85, BKP⁺06, Bra98, Bur86, CGL⁺94, Cat93, CSN⁺00, CBZ⁺12, DMV⁺96, DHS97, Fow83, FTT96, GR89, HFD⁺99, HNS⁺11, HKM⁺09, HW92, Ish83, KOHM94, KSKF93, KIS⁺89, Kot91, LHNG14, MB90, NJS⁺03, NFM⁺07, NOH⁺10, NMSK13, OHN⁺09, PMCF⁺06, Reu81, SER⁺01, Sim82, Sin93, Sku89, SDD⁺08, TF89, TGDS99, Vas90, Win94, Wuy91, Yuh92, ZWJ⁺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**

[Rei79, WM88]. **SrTiO** [HGM⁺94]. **St** [Rut05c]. **Stability** [Rut20f, Rut21f, PMCF⁺06, Rut25d, Rut25e]. **stabilizing** [PCK⁺08]. **Stable** [Hes00]. **stage** [Nix19]. **stages** [DGC07]. **stainless** [Whi82]. **Stalin** [Sno67, Sno68]. **Stand** [Ano31a]. **Standard** [Rut13a, Rut11b, Rut14j, Sku89, Rut14l]. **Standards** [CDE⁺31a, CDE⁺31b, CDE⁺31c, Rut10e]. **Standpoint** [Sod04]. **Stars** [Lig18]. **State** [RCW⁺26, Hei79a]. **States** [BB36]. **Stationary** [BB36]. **Statistical** [VV09]. **statistics** [GRS⁺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, Mon66, Sod49, Ano19a, Eva39a, Eva39b, Fea79, Gam85, How58, Nix19, Ree15a, Mon66]. **Stoughton** [Stu85]. **straggling** [WZS⁺91]. **Strahlen** [RG02a, Rut02c, Rut06i, Rut31d, Rut31c]. **Strahlungen** [Rut13b, Rut13g, Mec14]. **Strain** [NJS⁺03, WYV⁺99, LCL⁺04, WVH⁺99]. **Strange** [Jor16]. **Straßmann** [CSW97, CSW97]. **Straus** [Dys05]. **Strength** [Mot63]. **stroenie** [Rez21]. **strong** [Ano04]. **Structural** [LDLM91, KIS⁺89, Tho84]. **Structure** [Bro73b, CCJ⁺34, Gam29a, Hon98, Hon03, KH23, Nia98, RN04, Rus56a, Rut11j, Rut13c, Rut13d, Rut13h, Rut14a, Rut14b, Rut14c, Rut14e, Rut23l, Rut23r, Rut23q, Rut26h, Rut27a, Rut27b, Rut27c, Rut27d, Rut27h, RAC⁺29, RCE⁺32, RJ65, Rut70e, Tre75b, Gro89, Hei34, NOH⁺10, Nor79, OHN⁺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⁺34, Rut27l]. **structures** [NMSK13, SSWB80b, SSWB80a]. **Struktur** [Rut24a, Rut24b]. **strukture** [Rez29, Rez32]. **Stuart** [Lov75]. **Student** [BELG68]. **Studied** [OaHNM98, ATS86, Bha82, CYM⁺03, Eld85, IFSI94, KBvB⁺05, LCL⁺04, MBS⁺04, SHAI09, Sin93, TGP11, WYV⁺99, WCZ⁺02, Yuh92, ZWJ⁺02]. **Studien** [Mos13b]. **Studies** [Dav71b, FR13g, Rut25f, Rut25g, Rut70g, SHCK96, Tan77, WCGC86, YKH⁺84, Bey49, BBR80, GRS⁺91, Nor79, Oeh86, PAF⁺98, SSWB80a, Sad81, TF89, TMJ⁺99, Whi82]. **Study** [Bau73a, Bau73b, CBZ⁺12, FIY⁺99, Hon98, Ish83, LGA⁺06, LFA⁺04, Rut27i, AAPN06, Con82, DGC07, FGM⁺00, GC00, HV84, HGM⁺94, IYT⁺09, LxW99, Lu87, NBG⁺84, REJ86, RS03d, SDD⁺08, WVD⁺96, WVH⁺99, vIS89, vdK89]. **Studying** [dCENdCA58, Dav71a]. **sublattices** [ZWJ⁺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⁺04]. **substrates** [FIY⁺99, IFSI94, IOI⁺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⁺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⁺94, Dav71b, MKM⁺07, NOSK08, NMSK13, Nor79, RC03, SHCK96, Tho84, CBZ⁺12, FLP⁺89, GHCA91, KBvB⁺05, NOH⁺10, OHN⁺09, SLA⁺00, Yuh92]. **Surfaces** [Dav71a, MD69]. **Surfactants** [LGA⁺06]. **surprised** [Tre83]. **surveillance** [BC16]. **Survey** [Dav37, Rut34g]. **sustained** [And73]. **Svedberg** [Mos13b]. **Swift** [CW32, Moo78]. **switchable** [SHAI09]. **symmetric** [RFF⁺01]. **Symposium** [Meh73, Tre75b, Wyb72, Stu79a, Stu79b]. **synthesis** [Rut34g]. **synthesized** [KKK⁺99, WVD⁺96]. **System** [Ree06, vdB07, vdB13, AAPN06, Eld85, HFD⁺99, HKH96]. **systems** [PCK⁺08, RMM⁺13].

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Anonymous:1945:AKS

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Rutherford:1923:ESMa

- [Rut23l] Ernest Rutherford. The electrical structure of matter. *Nature*, 112(2811):409–419, September 15, 1923. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL <http://www.nature.com/nature/journal/v112/n2811/pdf/112409a0.pdf>.

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Rutherford:1923:LHPb

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Rutherford:1923:LP

- [Rut23o] Ernest Rutherford. The life of an α -particle. *The Electrician: the Oldest Weekly Illustrated Journal of Electrical Engineering, Industry, Science and Finance*, 91(??):194–195, ??? 1923. CODEN ELETAU. ISSN 0367-0805.

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Rutherford:1923:ESMb

- [Rut23r] Sir Ernest Rutherford. The electrical structure of matter. *Science*, 58(1499):209–221, September 21, 1923. CODEN SCIEAS. ISSN 0036-8075 (print), 1095-9203 (electronic). URL <http://adsabs.harvard.edu/abs/1923Sci...58..209R>; <http://www.sciencemag.org/content/58/1499/209>.

Rutherford:1923:PAE

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Rutherford:1924:ESMa

[Rut24a] Ernest Rutherford. Die elektrische Struktur der Materie. (German) [The electrical structure of matter]. *Naturwissenschaften*, 12(1):1–14, January 1924. CODEN NATWAY. ISSN 0028-1042 (print), 1432-1904 (electronic). URL <http://adsabs.harvard.edu/abs/1924NW.....12....1R>.

Rutherford:1924:ESMb

[Rut24b] Ernest Rutherford. Die elektrische Struktur der Materie. (German) [The electrical structure of matter]. *Strahlentherapie*, 16(??):883–913, ??? 1924.

Rutherford:1924:EDR

[Rut24c] Ernest Rutherford. Early days of radioactivity. *Journal of The Franklin Institute*, 198(3):281–290, September 1924. CODEN JFINAB. ISSN 0016-0032 (print), 1879-2693 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0016003224903462>.

Rutherford:1924:NA

[Rut24d] Ernest Rutherford. The nucleus of the atom. *Engineering (London, UK)*, 117(??):458–459, April 1924. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1924:PGHa

[Rut24e] Ernest Rutherford. Properties of gases in high and low vacua. *Engineering (London, UK)*, 117(??):330, March 1924. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1924:PGHb

[Rut24f] Ernest Rutherford. Properties of gases in high and low vacua. *Engineering (London, UK)*, 117(??):365–366, March 1924. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1924:PGHc

[Rut24g] Ernest Rutherford. Properties of gases in high and low vacua. *Engineering (London, UK)*, 117(??):387, March 1924. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1924:PGHd

- [Rut24h] Ernest Rutherford. Properties of gases in high and low vacua. *Engineering (London, UK)*, 117(?):429, March 1924. CODEN ENGNA2. ISSN 0013-7782.

Rutherford:1924:EAC

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Rutherford:1924:LHA

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Rutherford:1924:NADb

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Rutherford:1924:XCL

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Rutherford:1924:NADa

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Rutherford:1925:DAN

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Rutherford:1925:EM

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Rutherford:1925:MWX

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Rutherford:1925:SAa

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Rutherford:1925:SAb

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Rutherford:1925:SANa

- [Rut25f] Ernest Rutherford. Studies of atomic nuclei. *Engineering (London, UK)*, 119(??):437–438, April 1925. CODEN EN-GNA2. 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

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Rutherford:1925:ESM

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Rutherford:1926:LSE

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Rutherford:1926:ARAA

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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

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ical 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

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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:RGA c

- [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:RGA d

- [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. α rays and atomic structure [Part I]. *Engineering (London, UK)*, 123(??):375–376, ?? 1927.

Rutherford:1927:RASb

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

Rutherford:1927:RASc

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

Rutherford:1927:RASd

- [Rut27d] Ernest Rutherford. α 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

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Rutherford:1927:SAI

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

tronic). 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://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. *α -Teilchen grosser Reichweite und die Entstehung der γ -Strahlen. (German) [α particles and long range origin of γ 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

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Rutherford:1931:APSb

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