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 − μ [Gro89]. $1.50 [Dav37]. 1/2 [Hei71]. 180° [EFKS96].
$23.00 [Dys05]. $25.00 [Dys05]. $4.75 [Ble57]. 5 × 1 [Yuh92]. $7.00 [Bat72],
+ [SSWB80a, Sad81]. 10 [LMC97]. 12 [RR95]. 14 [RR95]. 16 [RR95]. 32
[RRKH94]. 4 [MDJF83, ZB74]. ° [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, Ish93, 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, 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, Rut19h, RC21a, Rut21e, RC22, Rut23n, Rut23o,
Rut24l, RC25, RC27, Rut26b, Rut27h, RKL1a, RKL3b, Rut31d, Rut31e, RLB33,
RLW33, RK34, Rut66b, Rut66a, Rut10a, Rut12, WR31, vdBO7]. \( \approx 2 \) [KSKF93]. \( \beta \)
[Hei68, Mos12a, MR14, Rut05n, Rut11i, Rut11j, Rut12b, Rut12c, Rut12e,
Rut12h, RR13f, Rut14k, RRR14, Rut14i, Rut14h, Rut14e]. \( \gamma \)
[Cha12, CK33, MM12, MR14, Rut04f, RB05c, Rut12b, Rut12c, Rut12h, RR13b,
RdCENDCA13, RR13e, Rut14k, RdCENDCA14b, RRR14, RdCENDCA14a,
Rut14i, Rut14g, Rut14f, Rut14e, Rut31d, RE31, Rut31e, RE31, Rut33i]. \( k \)
[Bar85]. \( m \) [IOI + 11]. \( \sqrt{3} \times \sqrt{3} \) [Yuh92]. Z [MDJF83].

- [IOI + 11, Rut66b]. -Al [OaHM98]. -Compounds [Adl97]. -GaAs
[Wuy91]. -graphite [ESRDV84]. -Particle
[Fea77, RG08d, RR09b, Rut23n, Rut23o, RR09a]. -Particles
[RG08a, WR31, GM09, Rut07g, RC25, RC27]. -plane [IOI + 11].
-Rays [Cha12, Rut10f, RE31, Rut66b, CK33, Rut27h, Rut27i, Rut33i]. -Si
[YKH’84]. -Strahlen [Rut06i, Rut31c]. -Teilchen [RG09b, Rut31c, vdBO7].
-Teilchens [Rut07g, Rut08c, Rut08d, RR09a].

/ Cu [LFA’04]. / Fe [KSKF93]. / Si [NJS’03].

0-300-01465-1 [Bro86]. 0-340-23805-4 [Stu85]. 0-473-05700-X [Ced00].
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].
[Rut36b, Rut26f]. 14 [Rut31b]. 17.50 [Stu85]. 184.5 [Sin81]. 1895-1896
[Rön58]. 1903 [Adl03]. 1904 [Rut05c]. 1908
[Ano09a, Jar08, Rut08g, Tho08a, Tho08b]. 1909 [Rut09e, Rut12a, VRWB12].
1911 [Ano06, Bad67, Bad85b, Str11]. 1913 [TMG174]. 1926
[Rut27e, Rut27j]. 1927 [Rut26f, Rut28a, Rut28g]. 1928 [Rut29j, Rut29k].
1929 [Rut30a, Rut30h]. 1930 [CDE’31b, Rut31a, Rut31e]. 1930s [Stu79a].
1931 [Rut31b]. 1933 [CCJ+34, Rut33h]. 1936 [Rut36h, Rut37a, Rut14].

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

4-vinylpyridine [HW92]. 40 [RRK94]. 41 [Hwa83]. ’45 [Ree06]. 4H
6H [KIS\textsuperscript{+89}]. 6H-SiC [KIS\textsuperscript{+89}]. 6th [LRdB\textsuperscript{+23}].
7059 [DJBW\textsuperscript{83}].
80th [SR\textsuperscript{37}].
[Sei86, Stu85, Sen77, Tre75a]. **Alloy** [OaHNM98, TJRS03]. **alloys** [BBR80].

**AIN** [LCL+04]. **Alpha** [Ano80a, Ano22, Mar71, Ano80a, Nia98, OH64, Roe95, Rut06k, Rut08a, RW16, Rut23k, RC24a, Rut24j, Rut26b, Rut26c, Rut26d, Rut26e, RWW83, Tre76b, Wen53, Car98, Fea79, Lec65, Rez24, Rit92, RR09c, Rut12a, Rut16d, Tre74b, Tre74b]. **alpha-particle** [Fea79].

**Alpha-Rays** [RWW83]. **Alpha-Teilchen** [Tre74b]. Also [Ano37j].

**Alumina** [Ano08a, Ano22, Mar71, Ano80a, Nia98, OH64, Roe95, Rut06k, Rut08a, RW16, Rut23k, RC24a, Rut24j, Rut26b, Rut26c, Rut26d, Rut26e, RWW83, Tre76b, Wen53, Car98, Fea79, Lec65, Rez24, Rit92, RR09c, Rut12a, Rut16d, Tre74b, Tre74b]. **aluminae** [Mor84]. **Aluminae** [RSWE27]. **Amateur** [Har01].

**American** [WH72, Bad05, Lav41, Sal33]. **among** [Gri89, Wil83b].

**Amorphous** [ATS86, REJ86].

**Amplitude** [Mar72, Rut16e]. **Analogy** [Gre07, Lor88, SC13]. **Analyses** [Mon66, Sen87, GR89, TGDS99, Wil83b]. **analyses** [Mor84]. **Analysen** [MMKS+80]. **Analyses** [Mon66, Sen87, GR89, TGDS99, Wil83b]. **analytical** [WM88].

**Anniversaries** [Bar71, Kis82].

**Anniversary** [Ano12a, Rut27e, Rut27f, Rut28a, Rut28g, Rut29j, Rut29k, Rut30a, Rut30h, Rut31a, Rut31e, Sch13, Kap73a, Rut12a, VRWB12].

**Announced** [Kay63].

**Annular** [Rut36a]. **angles** [GM13].

**Annotated** [Kay63].

**Apparatus** [BR16, Ear66, LEM65, Mar71, SBE86, Ter38, Wil74, Mar61].

**Appeal** [Rut74].

**anxiety** [dBo70].

**arc** [Rut36a].

**archivi** [Car98].

**argon** [BVI88, GR89, Sku89]. **argon-bombarded** [BVI88].

**Arranged** [NP38, NP40].

**Arrangement** [dRo92, Coh88, Coh91, Coh92, Fos49].

**Artificial** [GLR06, GLR12, GT95, Rut22a, Rut22b, Rut22c, RC24b, Rut24k, RC29, Rez25, RC42b, Rut24m, Rut33a, Rez23]. **Arts** [WH72].

**Ascent** [Bro73a].

**Aspect** [Ell60].

**Application** [CLZ99, KT84, DJA+04, DBvdV87, Rut36a].

**Applications** [Her84, Mto78, Rut96b, Rut97b, RC12b, RMM+13, RC12a, Rut32a].

**Applied** [Wer23, Ano23b].

**Appli** [Hwa83].

**Arbeit** [Rut05j].

**Arbeiten** [Hou30].

**Arts** [WH72].

**Ascent** [Bro73a].

**Aspect** [Ell60].

**Arranged** [NP38, NP40].

**Arrangement** [dRo92, Coh88, Coh91, Coh92, Fos49].

**Artificial** [GLR06, GLR12, GT95, Rut22a, Rut22b, Rut22c, RC24b, Rut24k, RC29, Rez25, RC42b, Rut24m, Rut33a, Rez23]. **Arts** [WH72].

**Ascent** [Bro73a].

**Aspect** [Ell60].

**Arranged** [NP38, NP40].

**Arrangement** [dRo92, Coh88, Coh91, Coh92, Fos49].

**Artificial** [GLR06, GLR12, GT95, Rut22a, Rut22b, Rut22c, RC24b, Rut24k, RC29, Rez25, RC42b, Rut24m, Rut33a, Rez23]. **Arts** [WH72].

**Ascent** [Bro73a].

**Aspect** [Ell60].

**Arranged** [NP38, NP40].

**Arrangement** [dRo92, Coh88, Coh91, Coh92, Fos49].

**Artificial** [GLR06, GLR12, GT95, Rut22a, Rut22b, Rut22c, RC24b, Rut24k, RC29, Rez25, RC42b, Rut24m, Rut33a, Rez23]. **Arts** [WH72].

**Ascent** [Bro73a].

**Aspect** [Ell60].

**Arranged** [NP38, NP40].

**Arrangement** [dRo92, Coh88, Coh91, Coh92, Fos49].

**Artificial** [GLR06, GLR12, GT95, Rut22a, Rut22b, Rut22c, RC24b, Rut24k, RC29, Rez25, RC42b, Rut24m, Rut33a, Rez23]. **Arts** [WH72].

**Ascent** [Bro73a].

**Aspect** [Ell60].
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 [dCA56, dCA58, Ano08a, Ano15, Ano23b, Ano32a, Ano32b, Ano32c, Ano33a, Ano33b, Ano33d, Ano37i, Ano66, Ano09a, Bir57, Ble57, BM66, Fut13, Gar81, Geo82, Her72, Hug90, Kae36, Kra11, KH23, Lau37, Mon66, Nia98, Pod10b, RN04, Rut09b, Rut09c, Rut09g, Rut09h, Rut11j, Rut13h, Rut14b, Rut14c, Rut24i, Rut34i, Sch13, Sil71, Sno58, Stu78, Tho08a, Tho08b, Til96, TGMR74, Vil05, Wer23, AH13, AK15, dCENdCA64, Ano37d, Bre83, Bro73b, Cat04, Fei11, Gar62, HRM79, HA84, Hei68, Hei81, Hei67, Her77, How58, McK62, Moc74, Pol60, Rez21, Rom97, Row55, Rut13h, Rut14e, Rut24d, Rut27l, Rut33f, Rut12, She17, Shi72, Sod20, Sod22, Sod04, Tre77b, dCAH64, Rut06c, Sei86, Stu85, Aro65b, Dys05, Opp64, Sen87]. Atom [Tre76a].
Atom-Model [Wer23]. Atom-Powered [dCAH64]. Atom-Smasher [Ano37i, Lau37]. Atom-Theorie [Rut09b, Rut09c]. atom [Rez21]. Atome [Pol60]. atomat [LRdB+23, Pia24]. Atomic [Ano06, Ano17, Boh63, Bur18, Dar56b, F.33, Gam29a, Jen11, Kow53, Kra12, Mon66, Mos14a, OaHN98, Pei97b, PBFt83, Ree06, LFA+04, Rus56a, Rut09k, Rut19a, Rut23a, Rut23b, Rut23c, Rut23d, Rut23e, Rut23f, Rut23g, Rut23h, Rut23i, Rut23j, Rut25a, Rut25g, Rut25h, Rut27a, Rut27b, Rut27c, Rut27d, RAC+29, Rut30b, Rut30c, Rut30d, Rut32a, RCE+32, Rut33a, Rut35d, Rut37g, Rut70, Rutxx, Sie11, Sod49, Tre75c, Ano23b, BAI53, Boh87, Cat12, CK33, CCJ+34, Dar56a, Gam28, Gam29b, Har38, Hou30, IFSI94, LHNG14, Pae15b, Par96, Pol60, Rec15a, Rez29, Rut25f, RC25, Rut26b, Rut26c, Rut26d, Rut26e, Rut33i, Rut33j, Rut36f, Rut36h, Sod13, Tab07, Mot63, Rez28, Rut09b, Rut09c]. atomique [Mon66]. atomiques [CCJ+34]. atomism [Rut09d]. Atomistik [Rut09d]. Atomization [ERM95].
Atomkern [Gar28]. atomkutatas [RA45]. Atommodell [Pol60].
atommogo [Roz29, Roz32]. Atomnye [Roz28]. Atomphysik [Har38].
Atoms [Ano32b, Cho01, Elfi4, Pol60, Rut02f, Rut14a, Rut15i, Rut16b, Rut19a, Rut19e, Rut19f, Rut19g, Rut20a, Rut20g, Rut20e, Rut20f, Rut21e, Tho08a, Tre75d, Ano33c, Hei03, Rot74, Rut10a, Rut10b, Rut14d, Rut15g, Rut15h, Rut19b, Rut21d, Rut21f, Rut25d, Rut25e, Rut27h, Rut10a, vdB13, LRD+23, Bad04a]. Atomskern [Hon30].
Atomtheorie [Rut36f].
Ausarbeitung [Lud13]. ausgesandten [Rut07g, RG09b]. ausgesendeten [RR13a]. auspices [Ano12a, CCJ+34, VRWB12]. Australia [Jen85].
Authoritative [Kae39]. autobiography [Hah67b]. Autunite [Rut15a].
Avogadro [Lee98, Mur01, Stu00]. avril [LdB+23]. Award
awarded [Ano08g]. awards [Adl12]. azide [WVCW76].

B [Hay63, Ihd64, Raz63, Rut28b, See65, Tre75b, Tre76a, LMC97, MM12, RR13d, RR13f, RdcNdCA14b, RdcNdCA14a, 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, OaHN98, LFA+04, SHCK96, ATS86, AAPN06, And90, Bar55, 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, DIA+04, DGC07, DMV+96, DHS97, DJBV83, Eld85, EFKS96, ESRDV84, FGM+00, Fow83, FL+89, FTT96, FIY+99, GHCA01, GR89, GC00, Gro89, GR+91, HV84, HHAMS93, HKH96, HNS+11, Her89, HK+99, 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, LDM91, 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, Rsd+89, Rei79, REJ86, Rei81, Rot74, SSWB80b, SSWB80a, Sad81, Sar79, SER+01, SHA109, SBE086, Sha87b, SN05, SWZ+05, SCP+91, STB+01, Sim93, 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, WV+99, WY+99, WCY+02, Wny91, Yuh92, ZWJ+02, ZCS+12, ZB74, vIS89, vdK89].


Banquetted [Ano08e]. Barium [HS89]. Baron [Ano66b, Bad04b, Badxx, Lov75, Eva39a, Eva39b, M.39]. barrier [Gro89, Kot91, RR05]. Barus [dBi4, Ano12a]. Based [Boh61, WMT01, NMSK13, Rut37a, Rut14]. basic [Wen53]. Battered [Ano32b]. BBC [Ano23a]. Be [Ano06, Ano32a, Ano08a, Sch15]. beads [Lor88]. beam [Ano17b, FLK92, HFD+99, KKGW85, LSK+88, SML91, WVD+96]. Beams [EMVK90, SWZ+05, YHS97]. Bearing [Hol30]. beat [DBE+85]. became [Ree15a]. Becquerel [Bel82, Mon66, RM00b, Gen95, RM00b, RM00a, RM01]. Becquerel- [RM00b]. Been [Rut37b, Ano08g]. Before [Bad65, Pre05, Bad83, Rut33h]. Began [FW67, Kae48]. beginning [Cot10].
[Tre75b, Wyb72, Wil17]. chromium [BPSW91]. Churchill [Sno67, Sno68].


Clark [Ano12a, dB14, Rut12a, VRWB12]. classic [HT10].

Classical [VV09, Wri64, Bab71, SC13]. Classics [Mon66]. Classification [Tre76b].

Club [Rut33h]. CN [PMCF+06], CN/TiCN/TiN [PMCF+06].

Co [Sod02, Sod03, NBG+84, DGC07]. Co-workers [Sod02, Sod03]. Coated [ERM95].

casting [BPSW91]. Cockburn [Sei86].

Cockcroft [Ano32b, DYF67, Sei86, Stu85]. Cockroft [HA84, Sen87].

collaboration [Jen08, Tre77b, Gar81, Stu78]. Collapse [Ano37c].

Colleagues [Kle10]. Collected [Ano64, Aro65a, Aro66, Bur64, Cha14a, Cha14b, Cha14c, Coc63, RC63, RC65, Seg62, Seg64, Seg66, Ano66e, Cha65, RC62].

Collection [Ter38, RCO+54, Rut15d]. College [Rut37a, Rut14, Cla06]. Collider [Giu12].

Collision [Ano32b, DYF67, Sei86, Stu85]. Collisions [Rut19a]. Combination [Dav71a, MD69, FLP+89, WM88]. combined [DMV+96, FYI+99, IFS194, WVH+99, Wuy91].

Commemoration [Ano48]. Comment [RSWE27]. Comments [dR92].

Commission [CDE+31a, CDE+31b, CDE+31c]. Committee [NP38, NP40].

communication [BC16, Kat15]. community [Hug93]. compact [DJA+04].

Company [Dav37]. comparaison [RC12a]. comparative [RS03d].

compared [TGDS99]. Comparison [RC12b, CCR85, RC12a, SSSW80b, Tab97, RB02a]. compensation [RC12a].

Complex [Ell60]. Composition [BBR80, Eld85, Bra98, Cat93, FLP+89].

Compositional [ATS86, Sha87b]. compound [PBFt83]. Compounds [Adl97, Rut00a, RS02c, RS02b, ESRDV84, Rut00g, Rut00b, Rut00c, Rut00e, Rut00f, RS02, RS02i, RS02k, RS02l, WV07]. Comprehensive [VVD+96].

comprising [Rön58]. Computer [TJRS03]. Concentration [Rut04c, MCKJ90, Rut04d]. concentrations [PBFt83]. Concept [Wl64].

conception [Meh73]. concepts [Lon03]. conceptual [Bur13a]. Concerning [Gor55, HS39]. concrete [Lor88]. condensation [RS02d, RS02e, RS03a, Rut009]. conducting [MCKJ90, Rut01e].

Conduction [Rut99, Tho03, Tho06, TT33, TT69]. conductivity [Rön58, Rut00d]. Conference [Bir61, Fre12, Hay63, Raz63, Rut11a, Rut13c, Rut13d, AK15]. conferences [WH72, We90]. Cong [Rut05c]. congratulations [SR37]. Congress [Str11, Ano38b, Rut38c]. connections [Cla13]. ConneXion [Rut14k, Rut14i].

consent [CCJ+34, LRdB+23]. Consensus [Jen00, Lev17]. consequences [Pae15a]. Conservation [Ano32b]. Considérations [Hei34, Hei34].

Constant [Mur01]. Constants [CDE+31a, CDE+31b, CDE+31c, Rut14l, HKM+09, HW92, Rut14j].

Constituents [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].
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].  Cosmical [Rut07f]. Cosmos [Ano32a]. Coulomb
[Mar72, RR95]. country [Kor12]. counters [Lew79]. Counting
[RG08a, RG08e, RG08c, RG09b]. Countries [Zim69a, Zim69b]. course
[Man76]. cow [ESWW82]. Crazy [Ano05]. Creating [Vil05]. Creation
[Hes00]. creativity [Kim02]. Crick [Gri09]. critique [EMR07]. Crocodile
[Mac97, Dow08]. Crookes [Mon66]. Cross [LMC97, ST76, Bab71, Far87,
RRKH94, Wil83b, ZB74]. cross-section [Wil83b, ZB74]. Crowe [Ano59].
Crucible [Far16]. Crystal [Dav71a, Hil17, Fow83, KIS+89, Whi82]. Crystallography
[Sar79]. Crystals [Dav71a, MKM+07, RdCENdCA13, Rut15a, Rei79, Rut15b].
Csaba [Gri09]. CT [Szy85]. Cu [FIY+99, IFSI94, LFA+04, SCP+91]. Cu/Co
[SCP+91]. Cu/Cr [SCP+91]. Cu/Ni [SCP+91]. Cu/Pd [SCP+91]. Cu/Pt
[SCP+91]. Cu/Ti [SCP+91]. Cu/TiN [SCP+91]. CuI [Rei79]. Culture
[Lav14]. Cuprate [CLZ99]. Curie [Mon66, Whe04, DMPA08, Gri09, Pre05, Rad13,
Ril70, Rut34f, Rut35j, SG85]. Curries [Bad65, Bre00, Kae48, Rei71]. currency
[Gib17]. current [CBZ+12, Rut01e, Rut05c]. curriculum [Coh95]. Curve [Gam30].
Czech [Rut38b]. Day [Ano32a, Poo52, Sch31, YKH+84, RR13e, YKH+84].
D,Sc [Ano36a, Ano46a]. Dag [Sn07, Sn08]. Dagli [Car98]. Dalton
[Kra14b]. Damage [ZWJ+02, BKP+06, PAF+98, SSWB80b, SSWB80a, Sad81].
damping [AB09]. dangerous [Ber07]. dans [RB06a]. dark [BC16, Dow08].
Data [KLL+90, BJW97]. Dating [Bad68, Lew02]. David
[Sei86, Tre85, Stu85]. Dawn [AM95]. Dawons [Stu79b]. Dawson [Sin81].
Day [Ano32a, Dev91, Mas72]. Days
d[CA68, Oli72a, Rut24c, Rut32b, Bat72, Tre73]. Dead [Ano37i, Lau37].
Deadly [Har05]. Dear [Coh88, Coh89, Coh91, Coh92, Cam97, dR92]. Death
[Ano37d, Ano37c, Ano37b]. debate [Rez29, Rez32]. debonding [RKL88].
decade [Mor84]. Decay [Bur83, Jen00, RT09]. December
[Rut31a, Rut31e, Rut31b]. decimal [Gib17]. decomposition [CCR+03].
Deconvolution [Tab97]. découverte [Mon66]. découvertes [Mon66].
Defect [Gam30, Wil83b]. defects [CYM+03, FTT96]. deflectability
[RG02a]. Deflection [HBA77, Rut06c, Rut03b]. deflexion [GM13].
degradation [vIS89]. delivered
[Ano12a, Rut12a, Rut33h, Rut36h, Rut37a, Rut14, VRWB12]. della [Car98].
dispersive [Bar85, Sku89]. Distinction [Ano23b].

Distinctions [Ano66d, O’S71, O’S72]. distorted [Wie78]. distortion [WCZ]+02, ZCS+12].

Distributions [RR95]. Divergence [Mar72]. Dnja [Kap73a].

Dutch [Bur18]. Dyson [Sch58].

E. [Aro65b, Rad13]. Each [Ano32b]. Early [Adl97, Bai13, Her72, KT88, Kra11, Lav14, Lew79, Nav06, Rut24c, Tre71b, Kau86, Kra13, Rut32b]. earth [BSS88, Eva96, HS39, Bad68, EMR07, Lew02, RC03, Rut05l, Rut29g, Rut88].

earthquakes [Cam14]. easily [Rut03b, Rut03f]. easily-absorbed [Rut03b].

Eastbourne [File75]. Editor [Hay63, Hub13, Rut35a, Ale46, Mos14a]. Editorial [RSWE27].

Electrons [Ano23b, Rut23k, WR31, LRdB+23, Rut10a, Rut10b, Rut24l, Pia24, LRdB+23].

Electrostatic [ESWW82]. Electrotechnical [Ano12b]. elektrische
Helium [Lak96, Sch58, Bre97].

Held [Bir61, Mehl73, Tre75b, CCJ+34, LRDB+23, Sod02].

Helm- [K11].

Hendry [Stu85, Sei86].

Henri [Gen95].

Henry [Bre97, Kay63].

heritage [Wil17].

Hertz [Gea14a, Gea14b].

hervorgerufene [RA02a].

hexafluorophosphate [OHN+09].

HfO [NJS+03, NFM+07].

HfSiON [MBS+04].

Hg [Con82, WZS+91, Win94].

Higgs [Kra14a].

High [Ano22, EMVK90, HGM+94, IYT+09, LHB+09, Mos12b, Mos13a, Mos13c, Mos14b, NOSK08, Rut94, Rut5, RP07, Rut27g, Rut28c, Rut29a, Bha82, CFMO12, DGC07, FLP+89, HNS+11, KB93, NJS+03, NFM+07, NOH+09, NOSK08, Rut24e, Rut24f, Rut24g, Rut24h, TCZY97, Ano37f, Lau37].

High-Energy [EMVK90, RR95].

High-Frequency

High-Resolution

High-Resolution

high-temperature [FLP+89].

Hilger [Stu85].

Him [Ano37f, Ano38b, RCO+54].

Hiroshima [Pre05].

Historic [Coh97, She17].

Historical [Seg85, Rön58].

historiography [dAMxx].

Hitting [Kow53].

Hodder [Stu85].

Home [Ano09c].

Honor [dCA37, Boh37, Bra37, Cha37, Coh40, Eve37, Eve39, Eve13, Sni37, Sod37, Swa40, Tho37a, Tho37b, dB32].

Honorary [Lud13].

Honors [Ano66d, O'S71, O'S72].

horse [Dow08].

Horvath [Gri09].

Hotel [Wel90].

Houston [Wel90].

Human [Boh63, Dys05, SMJ35a, SMJ35b, Boh87].

hundred [AK15, Ano95, DMPA08, Mor74].

Hungarian [RA45].

hydrated [Wan96].

Hydrogen [ERM95, OKR33, OHR34a, OHR34b, Rut19f, Rut21e, Rut29i, RK34, RSA+34b, RSA+34a, Rut37d, TIl96, BVI88, Ekl48, HKH96, Lak96, Rut33c, Rut34j, Rut34a, Rut34b, Rut34c, Rut34d, Rut34f, Ano32b, Rut19e].

hydrogen- [BVI88].

hypothesis [Stu83].

ideas [Kae36, Bre97, HT10].

identification [Rut22g].

identity [Tem89].

ignorance [She17].

ih [Rez28].

ihre [Mec14, Rut13b, Rut13g].

II [Aro65a, RS02b, Rut11h, dR92, Bad05, Coh89, KLL+90, LSK+88, Mor84, Mos14b, Oli66b, RO99, RS02b, RS02f, RS02c, RS02i, Rut04h, Rut06h, Rut08i, Rut09h, Rut11h, Rut19f, Rut20c, Rut21b, Rut22k, Rut26c, Rut26j, Rut27b, Rut28e, Rut29c, Rut30c, Rut35g].

III [Ano66e, Coh91, RS02k, Rut19g, Rut20d, Rut21c, Rut22l, Rut26d, Rut26k, Rut27c, Rut28f, Rut29d, Rut30d, Rut35h, Ar66].

illustrated [Bri31].

Immense [Ano23b]. Immersion [KT84]. implantation [BPSW91, PAF+98]. implanted [BKP+06, Bha82, CFMO12, FTT96, GR5+91, KBVB+05, KG91, Rot74, SSBW80a, Sad81, TFRS03, WCGC86, Whi82, ZWJ+02]. Implications [Ang00, Nia98, RN04, NM12]. Importance [Bad71, Ble99]. important [Wil15]. Improvement [HNS+11]. Improvements [BR16]. InAs [Sar79]. inaugurated [Sie11]. incidence [Wan96]. incident [BP93]. incomplete [Pye78]. incorporation [KB93]. India [Ano38b]. Indian [Rut38c]. Induced [Bau73a, GLR06, Bau73b, CBZ+12, RKL88, RA02a]. Industrial [All64]. inelastic [Fow83]. Infecting [RMM+29]. Influence [Kae39, SG85, SLA+00, DMV+96, Rut01b]. infrared [Sin93, TGDS99]. InGaN [PPA+02]. InGaN/GaN [PPA+02]. initial [DGC07, HV84]. injustice [CSW96]. Inner [Ree06]. InP [Phi83]. Inscribing [Dea03]. institut [CCJ+34]. Institute [CCJ+34, WH72, EC13, Rut13e]. Institution [Rut36h]. Int [Rut05c]. integrated [Gro89]. Intense [Rot27g, Rut30i, FLK92, LSK+88, SML91, YHS97]. intensité [Rut06b]. Intensity [Rut06b, Rut06a]. Interaction [CK33, Rut33]. intercalation [ESRDV84]. Interdiffusion [IFSI94, FIY+99]. interdiffusions [SCP+91]. Interest [Bar71]. Interface [KSKF93, PCK+08, ATS86, HV84, IOI+11, NJS+03]. interlayer [LCL+04, PCK+08]. intermixing [PPA+02]. International [Bir01, CDE+31b, Dys05, Hay63, Meh73, Raz63, Cat04, CCJ+34, Kat15, Rut11b, Rut14j, CDE+31a, CDE+31c, Rut13c, Rut13d, Rut13e, Rut14f]. Interpretation [Ano94, Rut34o, Stu94, Bab71, Sod08, Sod20, Sod22, Sod04]. Interpreter [Rus56a]. Intra [Sod13]. Intra-atomic [Sod13]. Introduction [She83a, Röm58]. invention [Kat12]. inventory [KHFA67]. inverse [HBA77]. investigate [HW92]. investigated [CBZ+12, SPL+08]. Investigation [BPSW91, ER95, STB+95, WZS+91, WV07, RS02j, RS02i, RS02k, RS02l, RS02h]. Investigations [Rut11h]. Ion [Bau73a, EMVK90, RM00b, RM00a, RM01, vBBG90, vBBD+92, Bau73b, BPSW91, Cle81, CSM+00, DJA+04, DBvdV87, FLK92, FTT96, GHCA91, Gro89, HKH96, KBVB+05, KY11, LSK+88, MB90, NMSK13, PAF+98, RRKH94, RR95, Rev11, STB+01, SML91, TM0+95, TF89, TJRS03, Wl83b, WVD+96, vBD89]. ion-beam [FLK92, SML91]. ion-beam-synthesized [WVD+96]. ion-implanted [KBVB+05]. ion-induced [Bau73b]. Ionen [RM00b], ionic [NMSK13]. Ionisation [RA02a]. Ionization [RA02b, RA02a, Rut02a]. Ions [MR14, OKR33, Rut01a, RRKH94, Rut97c, WZS+91, Wan96, ZB74]. iridium [And90]. Iron [Rut94, Rut5]. TMJ+99, WCGC86]. Irradiated [HS89, LxW99]. irradiation [HS39]. ISBN [Bro86, Ced00, Stu85]. Iskusstvennoe [Rez23, Rez25]. island [HZ15]. Isolation [Jen85]. Isotope
Bla59, Bra61, Bur83, Bur82, Cha33, Cha54, Coc53, Dar56b, Dee67, Fea77, Fow72, Mar54, McG84, Moo78, Mor75, Mot63, Rut04i, Rut05p, Rut20g, Rut21d, Rut14, Sho82, Tho65, Tiz46, Zim69a, Zim69b. **Lectures** [Rut12a, VRWB12, NP38, NP40, RCO +54, Sod02, dB14, Ano12a]. **LEED** [Nor79, NBG +84]. **Legacy** [Ano17c, Lon16a, AK11, Har05, T11]. **leicht** [Rut03b]. **Leipzig** [Mos13b]. **length** [Rut14f]. **lente** [Rut05g]. **Lenz** [Agu96, BB80, Far87]. **Léonidovich** [Rub97]. **letiju** [Kap73a]. **Lett** [Hwa83]. **Letter** [Ale46, Mos14a, Rut26a, Rut35a, Shi88]. **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, Rut27l]. **Library** [Ble57]. **Life** [Anoxxb, Coh40, Mar54, MF11, Rut23m, Rut23n, Rut23o, Rut24j, Swa40, Ano20b, Cam15, Cro01, Eva39a, Eva39b, Eve39, Eve13, Gei88a, Hei74, How58, Sim96, Rec16]. **Life-history** [Rut23m]. **Light** [Cha12, OKR35a, Ree96, Rut98, Rut19a, Rut19e, Rut19f, Rut19g, Rut19h, Rut19b, RC21b, Rut10a]. **Lightman** [Dys05]. **LII** [Rut19f]. **likened** [Ano38b]. **Limit** [Ano32c, Kra13]. **limiting** [vBD89]. **limits** [RR95]. **LiNbO** [RSdS +89]. **Lineage** [Ano99]. **link** [Ano09c]. **Linus** [Gri09]. **Lipson** [Ano64]. **Liquid** [Ano94, Stu94, LGF +99]. **Liquid-Drop** [Ano94, Stu94]. **liquids** [NMSK13]. **Lise** [Sim96]. **Listening** [BC16]. **lists** [Gri09]. **literature** [AH13, HT10]. **Lithium** [CW32, OKR33]. **LIV** [Bo105, Rut97c, Rut19h]. **lives** [Bre97, Dow08]. **LIX** [Rut94, RS03a, RR13]. **LL.D** [How58]. **Lloyd** [Sno67, Sno68]. **location** [RSdS +89, TJR803]. **locking** [HZ15]. **Logic** [GRS87]. **London** [Bur64, Hei71, Stu85]. **Long** [RW16, RWL31a, RLB33, Rut21g, RC24c, Rut31c, Rut16d, Rut31d]. **Long-range** [RW16, Rut21g, RC24c, Rut16d]. **look** [Kru75]. **looked** [Fei11]. **Lord** [dCA37, Ano37i, Ano38c, Ano64, Ano66e, Aro65a, Aro66, Boh37, Bra37, Bur64, Bur38, Cha37, Coc63, Coh40, Dav37, Eve37, Eve13, Gei88a, Har38, Seg62, Seg64, Seg66, Seg80c, Sni37, Sod37, Sod40, Tho37a, Tho37b, dB32, dCA38, Ano33d, Ano36a, Ano37d, Ano37i, Ano37k, Ano37b, Ano37g, Ano37h, Ano37i, Ano37j, Ano37l, Ano37m, Ano37n, Ano37o, Ano37p, Ano38a, Ano38b, Ano46a, Ano46b, Ano50, Ano66a, Ano69a, Bru64, Cha65, Cha14a, Cha14b, Cha14c, Cra71, Cro35, Dal50, Dav37, EC38, Fee40, Fee73a, Fee73b, Foc37, Foc39, Gei38a, Geo38, Gue38, HM31, Har38, Jac72, Jar08, Kap66a, Kap66b, Kap73b, Kay63, Lau76, Mel37, Mil38, Mol63, Mur12, Rus37, Rus51, RC62, Sme97b, Som38, Tho08a, Tho08b, Tho70, Tod14, VPW14]. **Lorentz** [Pia24]. **Loss** [Rut23k, MB90, Rut24l]. **Loulis** [Rut05c]. **Love** [AH13]. **Low** [Ang00, Bha82, DYF67, HKH96, Rut30i, BVI88, DJA +04, DHS97, Hwa82, Hwa83, KB93, LCL +04, MDJF83, Rut24e, Rut24f, Rut24g, Rut24h, WM88, YHS97, Yu92]. **low** [MDJF83]. **Low-Energy** [DYF67, HKH96, BVI88, WM88, Yu92]. **low-pressure** [Hwa82, Hwa83, YHS97]. **Low-temperature** [Bha82, LCL +04]. **Lowwood** [Ole81, Ole81]. **Luis** [Ree16]. **luminescence** [KG91]. **Luminosity** [Rut10f].
N [Aro65b, Opp64, Pia24, Rön58, WZS+91, Mon66, RR95, WVH+99]. nach [Sod02]. Nachruf [SR37]. Nachweis [HS39]. NaCl [MKM+07, HKM+09, Rei79]. Nagaoka [Bad67, Bad85b, Hei67]. Name [Ano17b, VPW14]. naming [Stu86a]. Nanocluster [Par96]. Nanocomposites [LFA+04]. Nanoparticle [WMT01, LHNG14]. Nanoscale [LHB+99]. nanosized [DMV+96, FGM+00]. narrow [MBS+04]. Nas [dAMxx]. Nations [Ano37j]. native [Win94]. Natur [RS02b, Rs02a, Rü08c, Rü08d, RG09a, Sod02]. Natural [Rü24k, RW25, FH60, Leo05, Rü24m, Rez25]. Nature [dCAH64, Aro65b, Opp64, Rü04f, Rü08a, RG08d, Rü08f, RR08e, RR09c, RR09a, RR09d, dCENA64, Meh73, Re08b, Rü02b, Rü02f, Rü02c, Rü02a, Rü02g, RG08b, Rü08c, Rü08d, RG09a, RR09b, RC24c, Sod02, Wen53, RR09a]. Naturwissenschaft [FH60]. naucnye [Rez71, Rez72]. Nb [KKK+99]. Neale [Stu79b]. Near [MKM+07, Kae36, KBvB+05, GHCA91]. Needs [Rü19c]. neglected [EMR07]. Nekrolog [Som38]. nella [Seg76]. Nelson [dCA37, Ano36a, Ano46a, Ano64, Ano66c, Ano66b, Aro65a, Aro66, Bad04b, Boh37, Bra37, Bur64, Cha37, Coc63, Eva39a, Eva39b, Eve37, Har38, M.39, Seg66, Smi37, Sod37, Som38, Tho37a, Tho37b, dB32, Badxx, Bru64, Cha65, Cha14a, Cha14b, Cha14c, Cra71, Dal50, Foc37, Gei38a, Har38, Jar08, Mil38, Mol63, RC62, Seg80c, Seg62, Seg64]. neodymium [KG91]. neon [BVI88]. Neutron [Cha32a, Cha32b, Cha33, GLR06, Po91, Rü13, Rü35e, Bad83, Bro97, Bur13a, Bur13b, Bur15, HS39, LSN+09, LxW99]. Neutron-Induced [GLR06]. neutron-irradiated [LxW99]. neutron-rich [LSN+09]. Neutrons [HS39]. Neutrons [Elf14, GLR06, HS89]. Newer [Bad66, Dav37, Rü37a, Rü37b, Rü14]. Newnham [Rü37a, Rü14]. Newton [Tho08a, Ano38b, Ano09a, Tho08a, Tho08b]. Newtonb [Fea72]. Ni [AAPN06, SHA09, Wuy91]. Ni/Au/Te [Wuy91]. Ni/Si [AAPN06]. nickel [BPSW91]. nickel-implantation [BPSW91]. Nicole [Mon66]. Niels [AH13, Bro73b, FK85, Kle10, Moo66, Rub97]. Nineteenth [Tho65]. Nineteenth-Century [Tho65]. ninety [HJS70]. niobium [Rot74]. nitride [Bur86, Hwa82, Hwa83, Vas90, Wan96]. Nitrogen [Ano22, Rü19h, RRKH94, Rü10a, Whi82, Rü19g]. niveis [dAMxx]. No [Ano23b, Ano09c]. Nobel [Adl03, Ano37i, How58, Jar08, Lau37, Adl12, Ano08b, Ano09a, Ano09a, Ano16, Cam00, CSW06, Far53, Far63c, Tho08a, Tho08b]. Nobelpreisträger [Tho08a]. Nomenclature [Rü10e, Rü13i, RG11]. Non [Ole81, RRKH94, BP93, LMC97, Low79]. Non-Rutherford [RRKH94, BP93, LMC97]. Non-Technical [Ole81, Low79]. Nondestructive [BS888]. Normal [Rü11e, WZS+91]. Northumberland [Ano17b]. Note [Dem03, Rü02d, Rü02e, Rü05d, Rü11f, Rü12c, Rü29f, Rü16e, Rü05j]. Notes [Ano02, Cha64, Eic72]. not [Rü00b]. novel
[DM96, Nic32, Rut16e]. November [Ano48, Lov75, Rut27e, Rut27j, Rut28a, Rut28g, Rut29j, Rut29k, Rut30a, Rut30h, Rut37a, Rut14]. Novodoba [Rut38b]. noyau [Hei34]. noyaux [CCJ+34]. Nuclear

AK11, All64, dCA56, dCA58, Ang00, Ano94, Ano00b, Anoxxa, Anoxxd, Bad83, BB36, Boh61, Bri65, DMPA08, Fre12, Gam30, Geoa62, Gra64, Hug12, Jen00, Lav14, Mas72, OKR35b, OKR35a, Rut20g, Rut20e, Rut66c, Sea88, Seg85, Sei86, She83b, Stu94, Tre75a, And73, Bad05, Bey49, Cat93, CAN88, FLP+89, Gar62, GA71, Hei67, Her77, Hug93, Hug00, Kae48, Leo05, MBS+04, NCG+84, Pae15a, Rac90, Rac92, Ree15a, Rut21d, RA45, SHAI09, Shl72, STB+01, Sie11, Stu83, WH72, Wen53, Whi82, ZWJ+02, vW35, Rez21, Stu79a].

nucleation [FGM+00]. Nuclei [BB36, Gam29a, Rut25a, Rut25g, Rut26f, Rut27f, RAC+29, RCE+32, Rut70, CK33, CCJ+34, MDJF83, Rez28, Rut25f, RC25, Rut30b, Rut30c, Rut30d, Rut30e, Rut33i, Rut34g, ZB74].

nucleosynthesis [Cot10]. Nucleus [BB36, Gam29a, Rut25a, Rut25g, Rut26f, Rut27f, RAC+29, RCE+32, Rut70, CK33, CCJ+34, MDJF83, Rez28, Rut25f, RC25, Rut30b, Rut30c, Rut30d, Rut30e, Rut33i, Rut34g, ZB74].

nuklearnoe [Rez21]. Number [Dar56b, Dar56a, GF10, Lee98, Stu00]. Numbering [Jaf71, Jaf72, Sar27]. numeration [RG08c].

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]. Pantheon [Dys05]. paper [Rut12c]. Papers [Ano33c, Ano64, Aro65a, Aro66, Bur64, Cha14a, Cha14b, Cha14c, Coc63, RC62, Seg64, Seg66, Stu79b, Ano66e, Cha65, Rez71, Rez72, Rö58, RC63, RC65, Sch58, 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, Rut02b, Rut20c, Rut20d, Rut21a, Rut21b, Rut21c, Rut22j, Rut22k, Rut221, Rut22m, Rut22n, Rut22o, Rut26b, Rut26c, Rut26d, Rut26e, Rut26f, Rut26g, Rut26l, Rut27a, Rut27b, Rut27c, Rut27d, Rut28d, Rut28e, Rut28f, Rut29b, Rut29c, Rut29d, Rut29e, Rut30b, Rut30c, Rut30d, Rut30e, Rut35f, Rut35g, Rut35h, Rut35i]. Partial [Rus51]. Particle [Ano08a, Ano32a, Fea77, Mal71, Ano00a, RG08d, RR08e, RR09b, RR09d, Rut23n, Rut23o, Rut24j, Rut66a, Wei11, Fca79, NM12, Rut061, RG09a, RR09c, Rut23m, vdB07]. Particles [Mar61, Mos12a, Nia98, OH64, Rut06k, Rut08a, RG08a, RG08e, Rut08f, RW16, Rut19e, Rut19f, Rut19g, Rut19h, RC21a, Rut21e, Rut23k, RC24a, RWW31a, RWW31b, RLB33, RK34, WR31, GM09, GF10, GR12, GM13, Hei68, Leo05, Rez24, Rit92, RH06a, RH06b, Rut06m, Rut07g, Rut07h, Rut07j, RG08b, Rut08c, Rut08d, RG08e, RC90b, RG10, Rut11i, RN13, RR13a, RR14, Rut16d, Rut19b, Rut21g, RC22, RC24e, Rut24l, RC25, RC27, Rut31d, Rut31e, 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]. Pauli [Sch58]. Pauling [Gri09]. pay [Ano37j]. Payot [Mon66]. Pb [Cat93, ERM95]. PBFA [KLL^+90, LSK^+88]. PBFA-II [KLL^+90, LSK^+88]. Pd [vdK89]. Peace [Ano16]. peak [Wie78]. Au [Wuy91]. CdS [GC09].

channeling

[PMCF+06]. TiN [PMCF+06, SCP+91]. TiNy [Gro89]. TiSiy [Kot91].
TiSiz [Gro89]. Penetrating
[GRR+31, Rut02b, RC03, RdCENdCA14b, Rut29h, Rut02c, Rut14g, Rut17].
People [Ano02]. perihelion [Far87]. Period [Hol30, Coo46]. Periodic
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[EMR07, Tip13]. Personaggi [Seg76]. Personal
[Ano02, Ano04a, Ano08c, Cha64, Dal50, Kay63, Oli72b, Coo46].
Penetrating [GRR+31, Rut02b, RC03, RdCENdCA14b, Rut29h, Rut02c, Rut14g, Rut17].
People [Ano02]. perihelion [Far87]. Period [Hol30, Coo46]. Periodic
[Rut34o, Kra13, vdB07, vdB13]. periodisch [vdB07, vdB13]. Perry
[EMR07, Tip13]. Personaggi [Seg76]. Personal
[Ano02, Ano04a, Ano08c, Cha64, Dal50, Kay63, Oli72b, Coo46].
Penetrating [GRR+31, Rut02b, RC03, RdCENdCA14b, Rut29h, Rut02c, Rut14g, Rut17].
People [Ano02]. perihelion [Far87]. Period [Hol30, Coo46]. Periodic
[Rut34o, Kra13, vdB07, vdB13]. periodisch [vdB07, vdB13]. Perry
[EMR07, Tip13]. Personaggi [Seg76]. Personal
[Ano02, Ano04a, Ano08c, Cha64, Dal50, Kay63, Oli72b, Coo46].
Penetrating [GRR+31, Rut02b, RC03, RdCENdCA14b, Rut29h, Rut02c, Rut14g, Rut17].
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[Rut34o, Kra13, vdB07, vdB13]. periodisch [vdB07, vdB13]. Perry
[EMR07, Tip13]. Personaggi [Seg76]. Personal
[Ano02, Ano04a, Ano08c, Cha64, Dal50, Kay63, Oli72b, Coo46].
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[EMR07, Tip13]. Personaggi [Seg76]. Personal
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Penetrating [GRR+31, Rut02b, RC03, RdCENdCA14b, Rut29h, Rut02c, Rut14g, Rut17].
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[Rut34o, Kra13, vdB07, vdB13]. periodisch [vdB07, vdB13]. Perry
[EMR07, Tip13]. Personaggi [Seg76]. Personal
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Penetrating [GRR+31, Rut02b, RC03, RdCENdCA14b, Rut29h, Rut02c, Rut14g, Rut17].
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[EMR07, Tip13]. Personaggi [Seg76]. Personal
[Ano02, Ano04a, Ano08c, Cha64, Dal50, Kay63, Oli72b, Coo46].
post [Lu87]. post-rapid-thermal [Lu87]. Postgrowth [CYM+03].
Postponed [Ano05]. potential [WM88]. Potentials
[Mos12b, Mos13a, ST76]. Pounds [Ano01]. pour [RC12a]. Power
[AlI64, Ano22, Ano17, Eva39a, Eva39b, Ano23b, HBA77, Rut17, SBOE86].
Powered [Ano33a]. Powerful [Coo13]. Pp [Bat72, Bro86, Bur64, Hei71,
Mos13b, Sin81, Stu85, Ble57, Dav37, Dys05, Pia24, Stu79b]. pp. [Opp64].
Practical [Fre79, MG12]. Practice [Hug08, Kap74, Ged16]. Praises
[Ano23b]. prédécent [Rut12c]. preceding [Rut12c]. Preface [Fre12].
Preliminary [Rut16c]. première [Mon66]. Preparation [Rei79]. prepared
[YKH+84]. Present [Rut05f, Rut06d, Rut86]. Presentation [KH23].
President [Ano23b, Rut25g, Rut09i, Rut27e, Rut27j, Rut28a, Rut29j,
Rut29k, Rut30a, Rut30b, Rut31a, Rut31e]. Presidential [Rut23p, Rut23s].
Press [Bro86, Dav37, Hei71, Szy85]. pressure [Hwa82, Hwa83, YHS97].
Preparation [Rei79]. prepared [YKH+84]. Present [Rut05f, Rut06d, Rut86].
Presentation [KH23]. President [Ano23b, Rut25g, Rut09i, Rut27e, Rut27j,
Rut28a, Rut29j, Rut29k, Rut30a, Rut30b, Rut31a, Rut31e]. Presidential [Rut23p, Rut23s].
Press [Bro86, Dav37, Hei71, Szy85]. pressure [Hwa82, Hwa83, YHS97].
Press [Bro86, Dav37, Hei71, Szy85]. pressure [Hwa82, Hwa83, YHS97].
Preparation [Rei79]. prepared [YKH+84]. Present [Rut05f, Rut06d, Rut86].
Presentation [KH23]. President [Ano23b, Rut25g, Rut09i, Rut27e, Rut27j,
Rut28a, Rut29j, Rut29k, Rut30a, Rut30b, Rut31a, Rut31e]. Presidential [Rut23p, Rut23s].
Press [Bro86, Dav37, Hei71, Szy85]. pressure [Hwa82, Hwa83, YHS97].
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Press [Bro86, Dav37, Hei71, Szy85]. pressure [Hwa82, Hwa83, YHS97].
Press [Bro86, Dav37, Hei71, Szy85]. pressure [Hwa82, Hwa83, YHS97].
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Press [Bro86, Dav37, Hei71, Szy85]. pressure [Hwa82, Hwa83, YHS97].
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Press [Bro86, Dav37, Hei71, Szy85]. pressure [Hwa82, Hwa83, YHS97].
Press [Bro86, Dav37, Hei71, Szy85]. pressure [Hwa82, Hwa83, YHS97].
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Press [Bro86, Dav37, Hei71, Szy85]. pressure [Hwa82, Hwa83, YHS97].
Press [Bro86, Dav37, Hei71, Szy85]. pressure [Hwa82, Hwa83, YHS97].
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Presentation [KH23]. President [Ano23b, Rut25g, Rut09i, Rut27e, Rut27j,
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Press [Bro86, Dav37, Hei71, Szy85]. pressure [Hwa82, Hwa83, YHS97].
Press [Bro86, Dav37, Hei71, Szy85]. pressure [Hwa82, Hwa83, YHS97].
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Press [Bro86, Dav37, Hei71, Szy85]. pressure [Hwa82, Hwa83, YHS97].


R [Pia24, Sin81, Stu79b, Whe80, dB14]. Race [Dys05, Cat04]. radar [Fra05]. Radiation [Hes00, MM12, Pod10a, Rut97a, RO99, Rut99, RC03, Rut04g, Rut04h, Rut04o, Rut06b, Rut11a, Rut28c, Rut29a, AB09, Jor16, Rut97c, Rut00d, RG02a, Rut06n, Rut17]. Radiations [MR14, Rut12f, Rut15i, Rut15g, Rut15h, Rut16b, RCE30, RCE51, Rut10b, RB02a, Rut12g, Rut13b, Rut13f, Rut13g, Rut29h, Rut35f, Rut35g, Rut35h, Rut35i, Poo52, Mil13, Sch31]. Radio [Ano08a, Bar06, MG12, McG84, MF11, Rut00c, Rut01c, Rut02b, Rut03c, Rut04l, Rut04c, Rut04k, Rut05h, RB05b, Rut06a, RB06b, RG08a, Rut13f, Rut13i, RC19, Rut04, Rut07a, Sod04, Cat93, Rut00g, Rut00h, RS02i, vdB13]. Radio-Active [Rut04l, Rut05p, RG08a, Rut13i, MF11, Rut01c, Rut02b, RB05b, Rut06a, RB06a, RB06b, Rut13f, Rut00g, Rut00h, RS02i]. Radio-Activity [Ano08a, Bar06, MG12, Sod04, Rut00c, Rut03c, Rut04c, Rut04k, Rut05h, RC19, Rut04, Rut07a, RS02i]. radio-frequency [Cat93]. radioactifs [RB06a]. Radioactive [Ano37l, Bad68, CDE+31a, CDE+31b, CDE+31c, Fre79, Hol30, Lan37, 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, Rut02c, RG02b, RS02h, RS03a, Rut04m, Rut04i, Rut04b, Rut04a, Rut05b, Rut06a, Rut07h, Rut07j, RG08c, RG09b, RR09b, RR09a, RG11, Rut11e, Rut12a, Rut12b, Rut12c, Rut12h, RR13a, RR14, Rut27i, Rut27h, Rut10b, Mec14, RS03b, Rut03g, Rut13b, Rut13g, Hub13, Mil13]. radioactiven [Rut04a]. radioactives [Rut06b, Rut07h, RG08c, RR09a, Rut12b, Rut12c]. radioactivists [Hug93, Lon16c]. Radioactivité [Rut05c, Curr]. Radioactivity [Adl97, Ano00b, Ast70, Bad65, Bar05, CR21, GLR06, GLR12, CT95, 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, Tre71b, Tre71a, Tre75c, vG95, Bad69, RS02b, RA02a, RS02f, Rut02a, RS02j, RS02k, RS02l, Rut02d, RS02a, Rut02e, RS02g, Rut03h, RS03d,
Radioaktivität [Rut13b, Rut00e, RL07, Rut13g].
Radioaktiven [RG02a, Rut02c, RG09b, Rut11e, RR13a].
Radioaktiver [Rut01h, Rut04b, Rut05b].
Radioaktivität [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, Rut05f, Rut05k, Rut05l, Rut06c, RB06b, Rut06g, Rut06h, RP07, Rut07g, Rut07c, Rut07d, Rut07i, Rut07e, Rut08i, RR09b, Rut09a, RB09, RT09, Rut10e, Rut11g, RR12, RC12b, Rut12e, Rut13a, Rut14l, RdCENdCA14b, RdCENdCA14a, Rut15e, Rut19d, Rut21h, Rut24j, RW25, RWWW30, RWW31a, RLB33, Sla13, Bol05, BR11a, BR11b, BR11c, DMPA08, Eve05, Har05, RS02d, RS02e, Rut03b, RS03d, Rut03f, Rut04d, RB04b, Rut04n, Rut04j, RB04c, Rut05j].
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Radium-emanation [Rut04e].
Radionuclide Standards [CDE^31a, CDE^31b, CDE^31c].
Radiumemanation [Rut11h, RR12].
Radiummengen [Rut05j].
Radiumnormalmasse [Rut11e].
Radiums [Rut06b, sod2, Rut06i].
Radiumstrahlen [Rut03b].
Radon [Bre00, MM03, RCRC04, Ste83].
raggi [Car98].
Raman [Cla13, Rut29].
Ramsay [Ano19, Cla13, Mon66, Tre74a].
Range [GRS+91, RLL31a, RLB33, RW16, Rut16d, Rut21g, RC24c, Rut31d, Rut31c].
Rapid [Ano23b, GHC1A91, LxW99, Lu87].
Rapports [CCJ^34, LRDB+23].
rare [BSS88, Eva96, Rut26i, Rut26j, Rut26k, Rut26l, Sme97a].
rare-earth [BSS88].
rareified [Rut29b, Rut29c, Rut29d, Rut29e].
rassheplenie [Rez23].
Rate [Ano23b, Rut97c].
Rational [Nia98].
ratios [PNFO88].
Ray [Coo13, Mos14a, Rut14k, Rut29a, And90, BBR80, Bra98, Bra61, Bur68, 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, Snu89, SDD+08, Vas90, Win94, WVH+99, WYV+99].
Rayleigh [Cla13].
Rayonnement [Rut06b].
rayons [Rut12b, Rut12c].
Rays [Ano22, Bau73a, Cha12, 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, RLB33, Rut66b, Tre76b, Bau73b, Car98.
CK33, Rön58, Rut02c, RG02b, Rut03b, Rut03f, RB05c, Rut05e, Rut05n, Rut05m, Rut06i, Rut06j, Rut10g, Rut12a, Rut12c, Rut12h, RR13d, RR13f, RR13b, RR13e, Rut14g, Rut14h, Rut14i, Rut14f, RB15, RBR15, Rut18, Rut25c, Rut26b, Rut26c, Rut26d, Rut26e, Rut27i, Rut27h, Rut31d, Rut31c, Rut32d, Rut33i, Seg80a, TR96], razlozenie [Rez25], RBS
[Rec08, RMM+13]. re [Ano71b]. re-evaluated [Ano71b]. re [Ano71b]. re [Ano71b]. reached [Ano19]. reaction [And73, Cat93, FLP+89, HV84, MBS+04, Pae15a, SHA09, STB+01, Whi82, ZWJ+02]. Reactions [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04].

Reactions [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04].

reaction [And73, Cat93, FLP+89, HV84, MBS+04, Pae15a, SHA09, STB+01, Whi82, ZWJ+02]. Reactions [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04].

reaction [And73, Cat93, FLP+89, HV84, MBS+04, Pae15a, SHA09, STB+01, Whi82, ZWJ+02]. Reactions [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04].

reaction [And73, Cat93, FLP+89, HV84, MBS+04, Pae15a, SHA09, STB+01, Whi82, ZWJ+02]. Reactions [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04].

reaction [And73, Cat93, FLP+89, HV84, MBS+04, Pae15a, SHA09, STB+01, Whi82, ZWJ+02]. Reactions [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04]. reactive [Ang00, Rut29i, MBS+04].
Swa40, Tre73, Tre75a, Tre75b, Tre76a, Tre85, Tur01, Vuc86, Whe80, Whe04, Ano33d, Opp64, Rut33j, IJS80). Reviews [dCAH64, Bir57, Rut00b, Rut00c, Rut00d, Stu85]. Revisited [Stu00, AH13, Bre83, HBA77]. Revolution [Kae48]. revolutionaries [Bru79]. Rey [Mon66]. Rezerford [Kap73a]. Rh [OaHN98]. RI [Rut15i, Rut08g]. rich [LSN+09, SHAI09, KEJ87]. Richardson [Ano22]. ricorrenza [Car98]. Right [dCA37, Boh37, Bra37, Cha37, Eve37, Sch15, Smi37, SoI37, Tho37a, Tho37b, dB32, Ged16]. Rise [She03b, Tre71b, Hug93]. rites [Ano37j]. Robert [Ano12a, Sno67, Sno68, Rut33h]. Rock [Kae36]. role [PPA+02, PCK+08]. Romer [Mon66]. Röntgen [Coo13, Rut97c, RM00a, RM00b, RM01, TR96]. Röntgenstrahlen [RM00b]. room [DGC07]. Roots [Ano99]. Rotation [Moo78]. Rowland [Ble57, Ano60]. Royal [Rut36h]. rozdenija [Kap73a]. Rt [Coh40, Swa40, Eve39]. Rt. [Eve13]. Rückstreu [MMKS+80]. Rückstreu-Analysen [MMKS+80]. Runge [Agu96, BB80, Far87]. Russell [Ano16]. Russia [Szy85]. Russian [Kap73a, Rez21, Rez23, Rez24, Rez25, Rez28, Rez30, Rez43, Rez71, Rez72]. Rutherford [dCA37, Ano12a, Ano36a, Ano37h, Ano38c, Ano46a, Ano60, Ano64, Ano66e, Ano66b, Ano69b, Ano69r, Ano69a, Bad04a, Bad04b, Badxx, Bir57, Bir61, Ble57, Boh26, Boh37, Bra37, Bro86, Bru64, Bru79, Bur64, Bur38, Cha37, Cha65, Cha14a, Cha14b, Cha14c, Coo63, Coh40, Cra71, Cro35, Dal50, Dav37, Eva39a, Eva39b, Eve37, Eve39, Eve13, Foc37, Gar81, Gee38a, HM31, Har83, Hay63, Hill79, Hwa83, Jak79, Jar08, Kra14b, Lak96, Lid13, M.39, Mil13, Mil38, Mol63, Mon66, Ole81, Pia24, Pou52, Raz63, Ron58, Rut29g, Rut29k, Rut30q, Rut31e, Sch31, Sch58, Seg62, Seg64, Seg66, Seg80c, Sol71, Smi37, SoO37, SR37, Som38, Stu78, Swa40, Szy85, Tho08a, Tho37a, Tho37b, Tre75b, Tre76a, Vuc86, Whe04, dB14, dB32, dB92]. Rutherford [ATS86, AAPN06, Agu96, AB09, AK11, Ale64, All64, And90, dCA38, dCA58, dCAH64, dCENdCA64, dCA68, Ano40b, Ano40c, Ano66, 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, Ano69d, Ano69c, Ano10, Ano16, Ano17c, Anoxxa, Anoxbx, Anoxxc, Anoxxd, App62, ArO65b, Ast70, Bad67, Bad68, Bad69, Bad71, Bad74, Bad75, Bad79a, Bad83, Bad85a, Bad85b, Bad04b, Bad08, Bar85, BJW97, Bar83, BB80, BKP+06, Bau73a, Bau73b, BSS88, BCM13, Bha82, BP93, Bir62, Bir63, Bis90]. Rutherford [Bla50, Bla59, Bla72, BRR80, Boa07, Boh61, Bou99, Bow14, Bra98, Bra61, Bra04, Bre00, Bre83, Bro73b, Bro62, BPSW91, BI88, BS79, Bur13a, Bur13b, Bur15, Bur64, Bur83, BELG68, Bur18, Bur82, Bur86, CGL+94, Cam98, Cam99, Cam00, Cam05, Cam14, Car98, Cat93, Cha54, CFMO12, CYM+03, CRR+03, CLZ99, Cla13, Cla06, Cle81, Coc46, Coc53, Coh88, Coh89, Coh91, Coh92, Coh95, Coh97, CSN+00, Con82, Cot10, CCR85, CBZ+12, Cro74c,
Cro74b, DBE$^+$85, DJA$^+$04, Dan66, Dar56b, DGC07, Dav71a, Dav71b, Dav37, 
Dea03, Dec67, Dem03, Dev71, Dev91, DMV$^+$96, DHS97, DM96, DBvdV87, 
Dow08, DYF66, DY68, D JBW83, Ear66, Eic72, ESWW82, Eld85, Eli60, 
EFKS96, ESRDV84, ERM95, EMVK90, EC38, Eve39, Eve13, Far63a, Far87, 
Fea40, Fea62a, Fea62b, Fea72, Fea73a, Fea73b, Fea77]. **Rutherford**
[FLK92, FGM$^+$00, Fla17, Flo70, Foc39, Fow72, Fow83, Fre12, FLP$^+$89, 
FTT96, FIY$^+$99, FLK92, FGM$^+$00, Fla17, Flo70, Foc39, Fow72, Fow83, Fre12, FLP$^+$89, 
FTT96, FIY$^+$99, Ful13, GHCA91, GW73, Gar62, Gea61, Gei38b, Geo38, 
GR89, Goo10, Gor55, Gra39, Gre87, Hah62, Hah67a, HV84, HRM79, HHAMS93, HFD$^+$99, HKH96, 
HNS$^+$11, Hau82, Hei68, Hei79b, Hei81, Hei03, Hei67, Her84, Her77, MKM$^+$07, 
HKM$^+$09, HKM$^+$09, Hes00, Hil17, How58, HW92, HZ15, HBA77, Hub13, Hug08, Hug12, 
HGM$^+$94, Hwa82, IYT$^+$09, IFSI94, Ish83, IOI$^+$11, Jac72, Jen11, JBS12, 
Kae39, Kap73a, Kap66a, Kap73b, KB93, Kat12, Kat15, Kay63, KLL$^+$90, KKK$^+$99, 
KOhM94, KBvB$^+$05, KSKF93, KIS$^+$89, KY11, Kot91, 
Lia80, LGF$^+$99, LEM65, LMC97, LxW99, Liv62, Lon16c, 
Lon16d, Lon16b, Lor88, Low79, Lu87, LCL$^+$04, Liu13, MDJF83, Mac11, 
MD69, MB90, Man82, Man76, Man77, Man61, Mar62, Mar68, Mar54, MM03, 
MCJK90, Mas72, McG84, McK62, Mec14, MSB$^+$37, MBS$^+$04, MMKS$^+$80, 
Moo74, Moo75, Mot63, Mot72, Mur13, NJS$^+$03, NFM$^+$07, NOSK08, 
NOH$^+$10, NMSK13, NL00, Nor79, NG$^+$84, O'S71, O'S72, Oeh66, OHN$^+$09, 
OaHN98, Oli47, Oli72a, Oli72b, Oli84, Oli85a, Opp64, OH64, Pac15b, Par96, 
PAF$^+$98, Pei88, Pei97a, PPA$^+$02, PFB183, Phi83, FNFO88, Pod10b, Pol60, 
PMCF$^+$06, PCK$^+$08, Rad13, RRKH94, RR95, Ram75, RMM$^+$13, RCR04, 
RFF$^+$01, RSDS$^+$89, Reo88, Rei79, LFA$^+$04, Rei71, REJ86, Reu81, RSWE27, 
Ri70, Rit92, RCO$^+$54, Rom97, Rot74, Row55, Row57, Rus37, Rus51].
**Rutherford** ([Lin40])

**Rutherford-scattering** [DBvdV87, SML91]. **Rutherford.** [Lin40].
Rutherfordium [Cam97]. Rutherfordds [Tre74b].

S [Ano32b, 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, 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]. Schr¨odinger [Lak96].
Science [dCENdCA58, Ano09b, Ano20b, Ano23b, Anoxxb, Anoxxc, Boh61, Dea03, Dev91, Dys05, Gen95, Mon66, RN04, Rut33b, Rut36b, Rut36i, Rut36j, Rut36k, Rut37c, Rut58c, SG55, SMJ35a, SMJ35b, Sch57, Sin81, Stu79b, Zim69a, Zim69b, AK11, Bad79a, Bro62, Car98, Far16, FH60, HT10, Hil17, How58, Jen08, Kat15, Lev17, dAMxx, Mer96, Moo66, NP38, NP40, RCRC90, Ree15b, Rut36g, Rut33g, Giu12, dAMxx, Rut23p]. Sciences [Hei71, WH72].
Scientific [Bar05, Bar06, Bru79, Coc63, Eve06, Har07, Har01, Mil13, Rut27g, Rut33b, Rut33b, TGM74, dB32, Bey49, Fra05, Hah67b, Rez71, Rez72, Wri64].
scientiﬁques [Mon66]. Scientist [Ano37c, Ano38b, Ced00, Foc37, Her01a, Her01b, Hub01, Tur01, Ano37d, Cam98, Cam99, Focxx, Kap73a, RCRC92].
Scientists [Ano06, Ano22, Ano32b, Ano33a, Ano37k, Dys05, Kae36, Seg85, Cat04, DG99, Gri09].
sechzigsten [HM31]. Second [Ano23b, HBA77, Jar08]. second- [HBA77].
Secondary [Reu81, BPSW91, Cle81, CSN+00, Gro89, NMSK13, Wil83b].
Shifts [Mar72]. Shines [Bah00]. shook [Gam85]. Short [Gen95, MF11]. Si [YKH+84, CFMO12, DGC07, FTT96, KBV+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].
**sic** [Ano66b, Ano66d, Ano66c, Aro66, Coc63, Rut27e, Rut27j, Rut28a, Rut28g,
Rut29j, Rut29k, Rut29f, Rut30a, Rut30h, Rut31a, Rut31e, Sch31, Seg62, Seg64,
Seg66, Ano19, Ano23b, Boh26, Bro97, Gar62, RSWE27, Rut26a, Seg80c]. site
[RSD^+89]. **situ** [HV84, KKGW85, NFM^+07, SBEO86, WM88]. six
[Sod02]. **Sixteenth** [Rut36h]. **sixtieth** [HM31]. **skilled** [Fla17].
**Sklodowska** [DMPA08]. **Sklodowska-Curie** [DMPA08]. 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** [Rut36k, SG85, Gri09, RCO^+54, Rut36j].
**Soddy** [Ano09b, Fle57, Gar81, How58, Kau86, Mon66, Stu78, Ano10, Asi64,
Coh97, Far63b, Fre79, Gus12, How58, Jen85, Ken63, Mer96, Pan57, Pan64,
Rus56b, Rus56a, Rus61, TG36, Tre71a, Tre77b, Wbe04, Wil64, Wil69]. Soft
[RdCENdCA14a, Rut14f, SER^+01]. softened
[TGP11]. **Solar** [Rut16]. **sole**
[Ril70]. **Solid** [CFMO12, DJBW83]. **Solution** [Ano32a]. **Solutions**
[Rut05d]. **Solvay** [CCJ^+34, CCJ^+34, Str11]. **Some**
[diCA68, Ano23b, Boh61, Cha64, Dal50, Fae06, Fea77, Fea79, Hah62, Har07, Lew72, OKR35a, Oli72b, Rut96b,
Rut97b, Rut06h, Rut07f, RC12b, Sod03, Zim69b, Rut06i, RC12a, Ana33c,
Rut03e, Rut05k, Rut05m, Rut06j, Rut08i, Zim69a]. **Sommerfeld**
[Lak96]. **son** [Jen08]. **sonar** [Kat12]. **sorta** [Sno68]. **Sought**
[Kae36]. **Sound**
[BR16, Lid13, Rut15a]. **source** [CGL^+94, DJA^+04]. **Sources**
[GLR06, KHFA67, Rut06b, Rut06n, RC24c]. **sous** [CCJ^+34]. **Soviet**
[Ano37k, Ano37l, FH60]. **Sovremennaja** [Rez38]. **Sowjetische** [FH60].
**space** [Wil15]. **species** [KKGW85]. **Spectra**
[Mos13c, Mos14a, Mos14b, 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, IFIS94, KB93, KKK^+99, KKGW85,
LRF86, LDLM91, Lia80, LxW99, MCKJ90, MBS^+04, Par96, PAF^+98,
spectrometry/channeling [LxW99].

spectroscopic [BKP+06, TGDS99].

calendar [CBZ+12, Gro89].

Spectroscopy [EMVK90, NOSK08, OaHN98, LFA+04, And90, Bar85, BKP+06, Bra89, 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, 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, RdCDNdCA14b, RRR14, RR08a, RR08c, Rut14g, RR08b, RdCDNdCA14b, RRR14, RW25, Rut14f, RR08a, RR08c, Rut14h].

calculations [Kra13, Tre74a].

Speech [Ano38b, SR37].

speed [Rut11h, RR13a].

Speeding [Ano23b].

spin [Par96, Sin93].

Spinners [Moo78].

Spinning [Elf14].

spirit [Cam79, Dys05].

Split [Ano32c, Dys05, Cat04, She17].

stabilizing [PCK+08].

Stable [Hes00].

Stages [DGC07].

Stainless [Whi82].

Stalin [Sno67, Sno68].

Standard [Rut13a, Rut11b, Rut14j, Sku89, Rut14l].

Standards [CDE+31a, CDE+31b, CDE+31c, Rut10e].

Standpoint [Sod04].

State [RCW+26, Hei79a].

States [BB36].

Statistical [VV09].

Statistics [GR5+91].

Steel [Whi82].

Step [Gen95].

Stephen [Mon66].

Stevens [Bru79].

Steward [Ano45].

Stewart [Fos49, Sei86, dR92].

still [Kae48].

Stillborn [Tre75d].

Stockholm [Ano08c].

Stoichiometric [ESRDV84].

stoichiometry [GHCA91].

stopping [SBE086].

Stores [Ano23b, Ano32a].

Story [Fae77, Mon66, Sod49, Eva39a, Eva39b, Fea79, Gam85, Hov58, Jor16, Rec15a, Mon66].

Stoughton [Stu85].

stragglng [WZ+91].

Strahlen [RG02a, Rut02c, Rut06i, Rut31d, Rut31c].

Strahlungen [Rut13b, Rut13g, Mec14].

Strain [NJS+03, WYV+99].

Strange [Jor16].

Straus [Dys05].

Strength [Mot63].

stroenie [Rez21].

strong [Ano04].

Structural [LDLM91, KIS+89, Tho84].

Structure [Bro73b, CCJ+34, Gam29a, Hon03, KH23, Nia98, RN04, Rus56a, Rut11j, Rut13c, Rut13d, Rut13h, Rut14a, Rut14b, Rut14c, Rut23l, Rut23r, Rut23q, Rut26h, Rut27a, Rut27b, Rut27c, Rut27d, Rut27h, RAC+29, RCE+32, Rut70, Tre75b, Gro89, Hei34, NOH+10, Nor79, OHN+09, Rut21, Rut29, Rez32, Rut11i, Rut14d, Rut14e, Rut21d, Rut23s, Rut24a, Rut24b, Rut25i, Rut26b, Rut26c, Rut26d, Rut26e, Rut30b, Rut30c, Rut30d, Rut30e, Rut12, Sod20, Sod22, Sod04, Wib72, Yuh92, CCJ+34, Rut271].

structures [NMSK13, SSWB80b, SSWB80a].

Struktur [Rut24a, Rut24b].

struktur [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, Rut25f, Rut25g, SHCK96, WCGC86, YKH⁺84, Bey49, BBR80, GR⁺91, Nor79, Oeh86, PAF⁺98, SSWB80a, Sad81, TF89, TMJ⁺99, Whi82].

Study [Bau73a, Bau73b, CBZ⁺12, FIY⁺99, 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 [Rut15f]. Subsequent [Jen85, Fra05, Sad81]. substance [Rut00g, Rut00b, Rut00c]. Substances [Cha12, Mil13, Rut00a, Rut01c, Rut02b, Rut08a, RG08a, Rut08f, RR09d, Rut10f, RCE30, RCE51, Mak08, Rut00f, Rut01b, RB02a, RG02a, Rut02c, RG02b, Rut07b, Rut07j, RG08c, RG09b, RR09b, RR09a, Rut12a, Rut12b, Rut12c, Rut12g, Rut12h, Rut13a, Rut13f, Rut13g, RR14, Rut10b, Ano08a, Poo52, Sch31]. Substanzen [Mec14, RG09b, Rut13b, RR13a, Rut13g, Rut01b, RG02a, Rut02c].


[Cam98, Cam99, Ced00, Her01a, Her01b, Hub01, Tur01]. Surface [CGL⁺94, Dav71b, MKM⁺07, NOSK08, NMSK13, Nor79, RC03, SHCK96, Tho84, CBZ⁺12, FLP⁺89, GHA91, KBvB⁺05, NOH⁺10, OHH⁺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 [SHA109]. symmetric [RFF⁺01]. Symposium [Meh73, Tre75b, Wyb72, Stu79a, Stu79b]. synthesis [Rut34g]. synthesized [KKK⁺99, WVD⁺96]. System [Ree06, vdB07, vdB13, AAPN06, Eld85, HFD⁺99, IKH96]. systems [PCK⁺08, RMM⁺13].
Technology [Anoxxc, KT84, Mor75]. Teil [RS02b, RS02a]. Teilchen [RG09b, Rutf31d, Rutf31c, vdB07, RR13a, Tre74b]. Teilchens [RG09a, Rut30g, Rut30c, Rut30b, Rut30d, Rut30e, Rut32a, RB32, Seg80a].
temperatures [vBD89].
ten [DMPA08, NP38, NP40].
tens [HKH96].
tenu [CCJ34, LRDB23].
terms [Mar72].
tests [Ree06].
tests [Ano32b].
tetrafluoroethylene [EMVK90].
tetragonal [WCZ02, ZCS12].
texas [Wel90].
textbooks [Nia98, RN04, NM12].
texttor [TvBO92, vBBGO90].
thaddeus [Gar81, Stu78].
thal [Lak96].
theater [Hil17].
their [Kae36, Mil13, Ole81, Rut19a, Cla13, Mak80, PMCF06, Rez28, Rut11e, Rut12g, Rut13b, Rut13f, Rut23a, Rut23b, Rut23c, Rut23d, Rut23e, Rut23f, Rut23g, Rut23h, Rut23i, Rut23j, Rut26f, Rut26g, Rut30b, Rut30c, Rut30d, Rut30e, Rut32a, RR32, Seg80a].
theoretical [Lon03, Meh73, Hei34].
theorie [Rut09b, Rut09c, vW35].
théoriques [Hei34].
theory [Ang00, Ano32b, Gea14a, Kap74, KH23, Mon66, Mot72, Rut10f, Rut11a, Rut29i, Rut30f, Rut30g, Rut30h, Rut30i, Rut30j, Rut30k, Rut30l, Rut30m, Rut30n, Rut30o, Rut32a, RB32, Seg80a].
therapy [Sla13].
thermal [GHCA91, Lu87, PMCF06].
thermodynamics [Kle66].
thick [ZCS12].
thickness [CSN00, CCR85].
thin [ZCS12].
things [Bat72].
third [HBA77].
third-power [HBA77].
thirteen [Bey49].
thirties [Hen84, Sei86, Stu85].
 Thirty [Gam85, Rut33h].
 thirty-fifth [Rut33h].
 thomas [Dea03].
thomson [Kra14b, Lak96, Rö58, Wei04, Kub11].
thorium [HS89, RO99, Rut00a, RS02c, RS02h, RW16, RWWW30, RWW30, ESWW82, FLO70, GF10, Rut00g, Rut00h, Rut00c, Rut00e, Rut00f, RS02d, RS02e, RS02j, RS02i, RS02k, RS03, RH06b, Rut11d, RR13b, Rut16d, Rut21g].
thoriumverbindungen [Rut00e].
those [RCO54].
 thousand [Ano22].
threat [BC16].
three [And73, Eid84].
 thus [Ano32b].
ti [Cat93, FGM99, KKK99, PKC08].
tiger [Gus12].
time [Ano46b, Rutf49,头上94, HAH62, HKH96, Hei79b, Lev17, NMSK13, SDD08].
time-of-flight [DJA04, HKH96].
times [Bre97, Cro01, Stu79b].
tin [KT84, NL00, PFO88, SER01].
tinsley [Cot10].
tINX [Kot91].
tINX/TISY [Kot91].
tIO [LFA94].
tip [Tab97].
titanium [Bur86, NFM07, Vas90].
titled [Mon66].
today [Mas72].
tokamak [vBBD92].
told [Ano33a].
tomography [WMT01].
tomonaga [Sch58].
tondokument [Lüd13].
tonspurerhaltung [Lüd13].
tool [vG95].
topography [SA99].
torn [Ano32b].
torus [RFF01].
total [KBvB05].
total-reflection [KBvB05].
traced [Ano06].
trduction [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, Rut07b, Hub13]. Transformed [Ano08a]. transient [CBZ +12]. transition [Yuh92].

Transmission [Rut01d, SSWB80a, Sad81, BKP +06, CSN +00, Lu87, Phi83, Pye78, Rut03b, SSWB80b, Wil83b, Rut02d]. Transmutation [Ano19, Ano33d, F.33, OR33, OKR33, OHR34a, OHR34b, Rom64, Rut34i, Rut37b, Rut38d, Rut38f, Rut38g, Rut39a, Rut39b, Rut33h, Rut33j, Rut33d, Rut33e, Rut33f, Rut33g, Rut37f, Seg80b, Tre74a, Ano33c, Ano37i, Lau37, Mon66]. transmutations [Leo05, Rut34e]. Transmute [Ano22]. Transmuted [Ano32b].


trifluoromethanesulfonyl [NOSK08, NOH +10]. trilogy [AH13]. Trimethylpropylammonium [NOSK08]. Trinity [Ree06]. Trip [Rut25h]. tritium [Eid48]. trudy [Rez71, Rez72]. True [MM03, RCRC04]. Truths [Kae36]. Tube [Coo13, Kor12, RB15, RBR15, Rut17]. Tungsten [Bra98, KEJ87].

tunneling [FIY +99, LSN +09]. Turn [BS79, Sin81, Stu79b, Whe80, Hei79a, Rig79]. Turning [Gre07]. Twentieth [Ano12a, Rut12a, VRWB12]. Two [Ano32b, Ano04, Lav14, Bar83, Oli66a, Oli66b, Oli85b]. Type [Rut29a].


Unseen [Dys05]. Unterschied [Rut04b, Rut05b]. Untersuchungen [Rut11h]. Unwin [Bur64]. UO [Tho84]. upon [Rut04c, Rut04d, RR08d]. Upper [RCW +26, Kra13]. Upset [Ano32b]. Uranic [Gen95]. Uranium [HS89, RO99, Rut00d, RS03c, RB05b, RB06a, RB06b, Rut06b, SL90, GF10, HS39, Hol30, Rut03d, RB05a, Rut99]. Urans [HS39]. Ursache [RS02b, RS02a]. Ursprung [Rut08b]. Use [Con82, Dav71b, Ear66, HW92.
LGF\textsuperscript{+99}, Mos\textsubscript{13a}, Ale\textsubscript{46}, Gro\textsubscript{89}, HKH\textsubscript{96}, Rut\textsubscript{11e}. Used [Ano\textsubscript{32b}]. Useful [Dav\textsubscript{71a}, MD\textsubscript{69}]. Using [Eic\textsubscript{72}, NOSK\textsubscript{08}, SHCK\textsubscript{96}, Bar\textsubscript{85}, BPSW\textsubscript{91}, CGL\textsuperscript{+12}, ESRDV\textsubscript{84}, FT\textsubscript{96}, Ish\textsubscript{83}, KKGW\textsubscript{85}, NFM\textsuperscript{+07}, NOH\textsuperscript{+10}, NMSK\textsubscript{13}, OHN\textsuperscript{+09}, PCK\textsuperscript{+08}, STB\textsuperscript{+01}, Sku\textsubscript{89}, Tho\textsubscript{84}, WV\textsubscript{07}, vdK\textsubscript{89}]. Utilization [Sim\textsubscript{82}]. Utilize [Rut\textsubscript{24i}]. V [dB\textsubscript{14}, Rut\textsubscript{07j}, Rut\textsubscript{09f}, Rut\textsubscript{22n}]. vacua [Rut\textsubscript{24e}, Rut\textsubscript{24f}, Rut\textsubscript{24g}, Rut\textsubscript{24h}]. Vapor [KEJ\textsubscript{87}, Hwa\textsubscript{82}, Hwa\textsubscript{83}, KIS\textsubscript{89}, Sin\textsubscript{93}]. Vapours [Rut\textsubscript{97a}]. variable [vdK\textsubscript{89}]. variations [RG\textsubscript{10}]. Variety [Sno\textsubscript{67}]. Vast [Ano\textsubscript{32a}]. vector [Agu\textsubscript{96}, BB\textsubscript{80}, Far\textsubscript{87}]. velocities [RR\textsubscript{14}]. Velocity [Rut\textsubscript{01a}, Rut\textsubscript{06k}, Rut\textsubscript{97c}, RH\textsubscript{06a}, Rut\textsubscript{06m}, Rut\textsubscript{07g}, Rut\textsubscript{07i}, Rut\textsubscript{07h}, Rut\textsubscript{19f}]. Verhalten [HS\textsubscript{39}]. verification [Bur\textsubscript{13b}]. Verlagsgesellschaft [Mos\textsubscript{13b}]. Verleihung [L"ud\textsubscript{13}]. Version [Ear\textsubscript{66}, ESWW\textsubscript{82}, Mon\textsubscript{66}]. Versuche [Rut\textsubscript{02e}]. versus [dAMxx]. Verwandlung [Rut\textsubscript{04b}, Rut\textsubscript{05b}]. Verwendung [Rut\textsubscript{11e}]. very [Gro\textsubscript{89}, Rut\textsubscript{02c}]. VI [RB\textsubscript{09}, Rut\textsubscript{06m}, Rut\textsubscript{07g}, Rut\textsubscript{07i}, Rut\textsubscript{07h}, Rut\textsubscript{19f}]. 

W [Ano\textsubscript{45}, Pia\textsubscript{24}, dB\textsubscript{14}, FGM\textsuperscript{+00}, Gro\textsubscript{89}]. W [Rön\textsubscript{58}]. W/TiNy/TiSiz/Si [Gro\textsubscript{89}]. Wall [Ano\textsubscript{00b}]. Walton [Ano\textsubscript{32b}, DYF\textsubscript{67}]. Wandering [Rut\textsubscript{34n}]. War [Bad\textsubscript{05}, Pri\textsubscript{08}, Kat\textsubscript{15}, BC\textsubscript{16}]. warfare [Rut\textsubscript{15j}, Rut\textsubscript{15k}, Rut\textsubscript{15l}]. warheads [CAN\textsubscript{88}]. Wärmeentwicklung [RR\textsubscript{12}]. wartime [CSW\textsubscript{96}]. was [dCENdCA\textsubscript{58}, Ano\textsubscript{37i}, Kae\textsubscript{39}, Lau\textsubscript{37}, Bad\textsubscript{66}, She\textsubscript{17}]. waste [STB\textsuperscript{+01}]. Water [BR\textsubscript{16}, RR\textsubscript{08d}, Rut\textsubscript{15d}]. Watson [Stu\textsubscript{79b}, Gri\textsubscript{09}]. wave [DB\textsubscript{E}\textsuperscript{+85}, NM\textsubscript{12}, Rut\textsubscript{14f}, SC\textsubscript{13}]. wave-length [Rut\textsubscript{14f}]. wave-particle [NM\textsubscript{12}]. Wavelength [RdCENdCA\textsubscript{14a}]. Waves [Rut\textsubscript{96b}, Rut\textsubscript{97b}, Rut\textsubscript{26g}, Rut\textsubscript{96a}, Rut\textsubscript{16e}]. Way [Ano\textsubscript{22}]. ways [Rut\textsubscript{15f}]. Weak [Rut\textsubscript{05d}]. weapons [Bad\textsubscript{05}, CAN\textsubscript{88}]. Website [Gra\textsubscript{02}]. Weiss [Pia\textsubscript{24}]. Weisskopf [Sch\textsubscript{58}]. Well [Ano\textsubscript{07}, MDJF\textsubscript{83}]. Well-Known [Ano\textsubscript{07}]. Wells [Sno\textsubscript{67}, Sno\textsubscript{68}, PPA\textsuperscript{+02}]. were [Bey\textsubscript{49}]. Westin [Wel\textsubscript{90}]. Westminster [Ano\textsubscript{37j}]. Where [She\textsubscript{17}]. Which [Ano\textsubscript{08a}]. Whirl [Ano\textsubscript{23b}]. Whitworth [Ano\textsubscript{09a}]. Who [Kat\textsubscript{12}, Bat\textsubscript{72}, Cli\textsubscript{87}, Fei\textsubscript{11}, RCO\textsuperscript{+54}]. whom [Ano\textsubscript{08g}]. Whose [Kae\textsubscript{39}]. Wigner [Sch\textsubscript{58}]. William [Ole\textsubscript{81}, Sin\textsubscript{81}, Stu\textsubscript{79b}, Whe\textsubscript{80}, Hug\textsubscript{08}, Jen\textsubscript{08}, Ole\textsubscript{81}]. Williams [Ano\textsubscript{12a}].
Wilson [Bru79, Sei86, Stu85, Tre85]. Winner [Ano37i, Ano09a, Lau37, Tho08b]. Winnipeg [Rut09e]. window [SWZ*05]. Winner [Ano99, Ano16, Far53, Far63c]. within [Jen85, Dem03]. Without [Ano19, Ano32c, Jen85]. Woman [RC04, RCR05, Ged16]. Won [Dys05, Cat04]. Wood [Ano12a, dB14]. Worcester [VRWB12]. Work [Ano32b, Ano37i, Boh61, Kle66, Lau37, Mar54, Rut25c, Ano09a, Coc46, Gei38a, Hou30, NBG*84, Rut05j, Rut33j]. workers [Sod02, Sod03]. Working [Oli84]. works [dAMxx]. World [Ano32c, Ano33a, Anoxxd, BM66, BC16, Ber07, Jak79, Mac11, Mer96, Moo66, Seg80b, Bad05]. Worthies [dB32]. wrath [VPW14]. writings [Low79, Ole81, Ole81]. Written [Ano38b]. wrote [Ged16]. Wybourne [Tre75b]. X [Ced00, Adh97, And90, Bau73a, Bau73b, BRR80, Bra98, Bra61, Bur86, CYM*03, CSN*00, CCR85, DHS97, HV84, KKK*99, KBvB*05, KSKF93, MD13b, MD13a, Mos14a, PAF*98, PCK*08, Rön58, RB15, RBR15, Rut16c, Rut17, Rut18, Rut25c, RW25, Rut29a, SER*01, Seg80a, Sin93, Sku89, SDD*08, Vas90, Win94, WVH*99, WWY*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, WWY*99]. X-Rays [MD13b, MD13a, Rön58, Rut18, Rut25c, Seg80a]. XCIV [Rut14f]. XCVIII [Rut12e]. Xe [Wan96]. Xi [RSWE27, Bro86, Stu85, Har07, Rut00f]. xii [Bat72, Stu85, Szy85, RT09]. XIII [Rut06j]. XIX [RSt04c, Rut05m, Rut06l, RR13e]. XL [Tr96]. XI [RS02g, Rut06m]. XLI [RSt06b, RC22]. XLIII [Rut03d, Rut12h, Rut16d]. XLIV [RS03d]. XLVI [Rut06k, dABxx]. XLVII [Rut03e]. XVI [Rut01e, Rut10g]. XVIII [Rut17]. XX [Rut95, RC12b]. XXXI [Hei71, Rut06a]. XXXII [Rut08h]. XXIV [RR08c, Rut24l]. XXV [Rut05a]. XXXIII [Rut14g]. XXXIII [RS02h]. XXXIV [RG02b, RR13c, Rut14b, RBR15]. XXXV [Rut97a, RB15]. XXXVII [Rut05a, Rut14i]. XXXVIII [Rut14j]. Yale [Bro86, Hei71, Szy85]. Yarns [Moo78]. YBaCuO [HGM*94]. year [Coc46]. Years [Ano22, Ano32b, Ano45, Rog13, Rut38a, Rutxx, AK15, Ano95, Con62, DMPA08, EC13, Gam85, Gib17, HJS70, Kae48, Mor74, Sen88, We190]. Yesterday [Ano09a]. Yielding [Ano32b]. York [Ble57, Dav37, Sin81, Stu79b]. Young [App62].


zur [FH60, RM00b, Gam28, Gam29b, Har38, vW35]. zwischen [Rut04b, Rut05b].

References


REFERENCES


REFERENCES

Anonymous:1904:PR


Anonymous:1904:PRR


Anonymous:1905:DP


Anonymous:1906:ART


Anonymous:1907:RLM


Anonymous:1908:AMC

Anonymous:1908:NPC


Anonymous:1908:P


Anonymous:1908:PRB


Anonymous:1908:PRBB


Anonymous:1908:PRR


Anonymous:1908:PRW


Anonymous:1909:DPR

Anonymous. The dinner to Professor Rutherford in the Whitworth Hall yesterday to celebrate the award to him of the Nobel Prize for Physics [sic]. Professor Rutherford’s work. Reply by the guest. Physics at Manchester universities. Research


[Ano19] Anonymous. Alchemists’ goal reached by Briton?: Paris Matin says Sir Ernest Rutherford has discovered transmuta-

Anonymous:1920:PBA

Anonymous. Physics at the British Association. *Nature*, 106(2663):357–358, November 11, 1920. CODEN NATUAS. ISSN 0028-0836 (print), 1476-4687 (electronic). URL http://www.nature.com/nature/journal/v106/n2663/pdf/106357a0.pdf. From this meeting report: “The results thus show that the elements may be considered as being composed of these hydrogen nuclei, or ‘protons’ as Sir Ernest Rutherford would have us call them, ...” It is believed that this is the first published mention of the word proton.

Anonymous:1920:SLA


Anonymous:1922:WTE

Anonymous. Way to transmute elements is found: Dream of scientists for a thousand years achieved by Dr. Rutherford. new age, says Richardson. Remarkable result of bombarding nitrogen gas with the alpha rays of radium. Result of a chemical collision. Dr. Kendall on Rutherford. results of the discovery. energy of high power. *New York Times*, ?? (??):34, January 8, 1922. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL http://search.proquest.com/hnpnewyorktimes/docview/100061168/.

Anonymous:1923:MBB

Anonymous. A miracle of broadcasting — the BBC’s biggest experiment. *Radio Times*, ??(??):??, September 28, 1923. Cited in [Wil83a, page 466], with the quote “An historic milestone in the History of Wireless was reached the other night by the broadcasting of the Presidential Address of the world famous scientist Sir Ernest Rutherford ... It was the first occasion in this or any other country on which the voice of a
public man had been transmitted simultaneously through six 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.”

Anonymous:1923:PES


Anonymous:1932:AGM


Anonymous:1932:ATA

[Ano32b] Anonymous. Atom torn apart, yielding 60% more energy than used. But two British scientists succeed only once in each 10,000,000 bombarded. Battered with protons. Hydrogen atoms are thus transmuted into helium — conservation theory seen upset. Tests made for 3 years. Dr. J. D. Cockcroft and Dr. E. T. S. Walton of Cavendish Laboratory, Cambridge explain work. New York Times, ??(??):1, May 2, 1932. CODEN NYTIAO. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL http://search.proquest.com/hnpnewyorktimes/docview/99718000/.

Anonymous:1932:SGD


Anonymous:1937:DLRc


Anonymous:1937:DLRb


Anonymous:1937:DLRa


Anonymous:1937:FLR


Anonymous:1937:LRa


Anonymous:1937:LRb


Anonymous:1937:LRM


Anonymous:1950:FQL


Anonymous:1959:GCP


Anonymous:1960:BRE


Anonymous:1964:ERL


Anonymous:1966:RLR


Anonymous:1966:RSEa

Anonymous:1966:RSEc


Anonymous:1966:RSEb


Anonymous:1966:CPL


Anonymous:1971:ER


Anonymous:1971:RGR


Anonymous:1971:U


Anonymous:1972:RCC

REFERENCES

Electronic). URL http://rsnr.royalsocietypublishing.org/content/27/1/5.

Anonymous:1994:EOL


Anonymous:1995:HYM


Anonymous:1999:DOR


Murdin:2000:AP


Anonymous:2000:NWC


Anonymous:2001:FMP


Anonymous:2002:P

REFERENCES

Anonymous:2004:TSP

Anonymous:2005:RC

Anonymous:2006:MRD

Anonymous:2009:CAL

Anonymous:2009:ERF
[Ano09b] Anonymous. Ernest Rutherford and Frederick Soddy, McGill University, Montréal, Québec. Web site., 2009. URL http://www.aps.org/programs/outreach/history/historicsites/rutherfordsoddy.cfm. From the site: “The English plaque read[s]: ‘At this location, Ernest Rutherford and Frederick Soddy, during 1901–03, correctly explained radioactivity as emission of particles from the nucleus and established the laws of the spontaneous transmutation of the elements.’”.

Anonymous:2009:NCL
Anonymous:2010:AHR


Anonymous:2016:CNP

detail/story.html.

Anonymous:2017:CP


Anonymous:2017:NAN


Anonymous:2017:RLB


Anonymous:20xx:ERF


Anonymous:20xx:LSH

REFERENCES

Anonymous:20xx:RJN


Anonymous:20xx:RNW


Appleton:1962:YR


Arons:1965:BRCb


Arons:1965:BRCa


Arons:1966:BRC


Asimov:1964:FS

Aston:1970:RR


Abelson:1986:CPA


Babbitt:1971:PIC


Badash:1965:RBC


Badash:1966:HNA


Badash:1967:NRF

Badash:1968:RBA


Badash:1969:RBL


Badash:1971:IBE


Badash:1974:RCC


Badash:1975:ER


Badash:1979:OBS

REFERENCES


[Bad05] Lawrence Badash. American physicists, nuclear weapons in World War II, and social responsibility. *Physics*
Badash:2008:RE


Badash:20xx:ERB


Bahcall:2000:HSS


Baily:2013:EAM


Barus:1905:SBR


Barus:1906:SBR


REFERENCES


Birks:1962:RM


Birks:1963:RM


Bishop:1990:SRE


Barradas:1997:SAA


Battistig:2006:VIS


Blackett:1950:RA


Blackett:1959:RML

REFERENCES


REFERENCES


REFERENCES


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<th>TITLE</th>
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<td>[Bru79]</td>
<td>Stephen G. Brush</td>
<td>Scientific revolutionaries of 1905: Einstein, Rutherford, Chamberlin, Wilson, Stevens, Binet,</td>
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[Bunge:1979:RPT]


[Bunge:1979:RPT]


[Baumann:1988:NDP]


[Burgers:1918:AVR]


[Bur38]


[Burcham:1964:RMC]


[Burhop:1982:RML]
REFERENCES

74


REFERENCES

CODEN APCPCS. ISSN 0094-243X (print), 1551-7616 (electronic), 1935-0465.


REFERENCES


Campbell:2014:AEM


Campos:2015:RSL


Cochran:1988:MWU


Cardinale:1998:SAC


Cattan:1993:PPR

REFERENCES


REFERENCES


1965. 931 (vol. 1), 590 (vol. 2), 428 (vol. 3) pp. LCCN ????  Three volumes.


REFERENCES


[Coc46] J. D. Cockcroft. Rutherford: Life and work after the year 1919, with personal reminiscences of the Cambridge pe-
REFERENCES

Cockcroft:1953:RML


Cockcroft:1963:BRC


Cohen:1940:BRR


Cohen:1988:MDE


Cohen:1989:MDE

REFERENCES


REFERENCES


REFERENCES


REFERENCES

[Crawford:1996:NTW]

[Curie:1910:TR]

[Cockcroft:1932:DLS]

[Chen:2003:PAD]

[Dale:1950:SPM]

[Martins:20xx:CVH]


REFERENCES


**deBroglie:1932:SWR**


**deBroglie:1970:MAD**

Louis de Broglie. Mon anxiété devant le problême des quanta. (French) [My anxiety about the problem of quanta]. In Homberger et al. [HJS70], pages 181–188. ISBN 0-224-61914-4. LCCN AC5.H64.

**Dangor:1985:RLB**


**Donne:1987:ARS**


**Andrade:1937:ORH**


REFERENCES

Andrade:1964:RNA


Dean:2003:ISS


Dee:1967:RML


delRegato:1979:ER


Demetrian:2003:NDR


Devons:1971:RRC

REFERENCES

Devons:1991:RSH


Daintith:1999:DS


Dash:2007:SEC


Dimitrov:1997:DDS


Dangtip:2004:CCF

S. Dangtip, P. Junphong, V. Ano, B. Lekprasert, D. Suwannakorn, N. Thongnopparat, and T. Vilaithong. Charac-
REFERENCES


REFERENCES


REFERENCES


[ERM95] Corinne C. Eloi, J. David. Robertson, and Vahid. Majidi. Rutherford backscattering spectrometry investigation of the...

**Elman:1984:SDS**


**Eiswirth:1982:ERS**


**Evans:1939:MPLa**


**Evans:1939:MPLb**


**Evans:1996:EHR**


REFERENCES


[Flaig:2017:PER] Joseph Flaig. £100m Ernest Rutherford fund to attract skilled researchers to UK ahead of Brexit. PE: the magazine for professional engineers, ??(??):??, July/August
REFERENCES


Alan W. Flack and Ernest Rutherford. _Constitution of matter_. ?????, ?????, 1933. 42 pp. LCCN ?????


REFERENCES

phtoad/v20/i11/p43_s1. Reprinted in [WP85, pages 272–281].

[Frisch:1985:DF]


[Graetzer:1971:DNF]


[Gamow:1928:QA]


[Gamow:1929:DSA]


[Gamow:1929:QAG]


[Gamow:1930:MDC]


REFERENCES


REFERENCES

Genet:1995:DUR


George:1938:LRO


Geiger:1910:LNP


Gagnon:1991:RTA


Gibb:2017:YDC


Giudice:2012:BSL

REFERENCES


REFERENCES

[110]

Gordon:1955:CRS


Geiger:1912:LPR


Gignac:1989:RBS


Graetzer:1964:DNF


Grayland:1968:FNZ


Grayland:1972:MFN


Graham:2002:ERW

REFERENCES

Gregory:2007:TPG

Grinberg:2009:ACS

Grove:1989:AER

Geiger:1931:DUP

Geffken:1987:CMD
REFERENCES


REFERENCES


REFERENCES


(Hei34) Werner Heisenberg. Considérations théoriques générales sur la structure du noyau. (French) [General theoretical considerations of the structure of the nucleus]. In Cockcroft et al. [CCJ’34], pages 289–335. LCCN ???? Publés par la commission administrative de l’institut.
REFERENCES


REFERENCES

Heilbron:1981:RBA


Heilbron:2003:ERE


Heilbron:2008:MHG


Hendry:1984:CPT


Herzfeld:1972:BAR


Herron:1977:RNA


Herman:1984:ARB

REFERENCES


Herrmann:2001:BRR


Herrmann:2001:BRS


Hessenbruch:2000:RER


Hartog:1999:DNB


Huttner:1994:HRR

Hartiti:1993:RBA


Hyde:1987:HAD


Hills:2017:TRE


Homburger:1970:CMN


Hasegawa:1996:LER

REFERENCES

Hess:2009:DCB


Hahn:1931:LRS


Hashimoto:2011:ISH


Holmes:1930:PAU


Hon:2003:PSE


Houtermans:1930:NAQ

[Hou30] Fritz G. Houtermans. Neuere Arbeiten über Quantentheorie des Atomskerns. (German) [New work on the quantum the-
ory of the atomic nucleus]. *Ergebnisse der Exakten Naturwissenschaften*, 9(???):123–221, ???. 1930. CODEN EENAA3. ISSN 0367-0325.


REFERENCES

Hubisz:2001:BRR

Hubisz:2013:MBR

Hughes:1990:BAM

Hughes:1993:RCC

Hughes:2000:AMN

Hughes:2008:WKS

Hughes:2012:RRO

Huang:1992:URB


Hey:1996:EM


Hwang:1982:ALP


Hwang:1983:EAL


Huang:2015:MLI

Wenlong Huang and Ping Zhu. Mode locking and island suppression by resonant magnetic perturbations in Rutherford


REFERENCES


[Jen85] John G. Jenkin. Frederick Soddy’s 1904 visit to Australia and the subsequent Soddy–Bragg correspondence: Isolation

**Jensen:2000:CCN**


**Jenkin:2008:WLB**


**Jenkin:2011:AEM**


**Jorgensen:2016:SGSa**


**Joly:1913:LAP**

Kaempфт:1936:UTS

Waldemar Kaempfft. Ultimate truths are sought in the atom. Scientists, in their efforts to smash it, are shattering many of their old ideas as they near the rock bottom of the universe. *New York Times*, ??(??):SM6, March 24, 1936. CODEN NYTIAS. ISSN 0362-4331 (print), 1542-667X, 1553-8095. URL http://search.proquest.com/hnpnewyorktimes/docview/101867279/.

Kaempfft:1939:RWC


Kaempfft:1948:RRB


Kapitza:1966:RLRa


Kapitza:1966:RLRb

REFERENCES

127

Kapicy:1973:RUU
P. L. Kapicy. Rezerford — ucenyj i ucitel’ : k 100-letiju so dnja roezenija. (Russian) [Rutherford — scientist and teacher: the 100th anniversary of his birth]. Nauka, Moscow, Russia, 1973. 211 pp. LCCN ????

Kapitza:1973:RLR

Kapitza:1974:ETP

Katzir:2012:WKP

Katzir:2015:MWB

Kauffman:1986:FSE
George B. Kauffman, editor. Frederick Soddy (1877–1956): early pioneer in radiochemistry, Chemists and chemistry. D.


REFERENCES


[KIS+89] Takane Kobayashi, Masaya Iwaki, Hideo Sakairi, Masakazu Aono, and Yoshizo Inomata. Evaluation of structural quality of a silicon carbide (6H-SiC) single crystal grown by a


REFERENCES


Kimura:1994:MAR


Korff:2012:GMU


Kottke:1991:AES


Kowarski:1953:HAN


Kragh:2011:RBA

REFERENCES

Kragh:2012:RRA


Kragh:2013:SEU


Krause:2014:CHW


Krause:2014:DTR


Kruse:1975:LSA


Kyle:1976:ER


Klose:1993:IGM

REFERENCES

1993. CODEN JAPIAU. ISSN 0021-8979 (print), 1089-7550 (electronic), 1520-8850.


Lee:2006:DSL


Liendo:1999:URF


LaRose:2009:HRR


Lansaaker:2014:CGN

REFERENCES


REFERENCES

[Longair:2016:RMM]

[Longair:2016:RER]

[Longair:2016:RES]

[Lorenz:1988:BBB]

[Lovell:1975:PMS]
REFERENCES


[LSN+09] A. Lemasson, A. Shrivastava, A. Navin, M. Rejmund, N. Keeley, V. Zelevinsky, S. Bhattacharyya, A. Chatterjee, G. de

Lu:1987:RBT


Luders:2013:TMA

Stefan Lüders. Tonspurerhaltung unter Medientransformation: Ausarbeitung zum Tondokument aus dem Jahr 1931 Verleihung der Ehrendoktorwürde an Ernest Rutherford durch Max Born an der Universität Göttingen. (German) [Drafting the sound document from 1931. honorary doctorate for Ernest Rutherford by Max Born at the University of Göttingen]. Report, Universität Göttingen, Göttingen, Germany, February 12, 2013. URL https://www.uni- goettingen.de/de/document/download/4d9895c0a993b9f5b648aba355199cde.pdf.

Liu:1999:RAS


M:1938:OBR

Author listed only by initials, but most likely Ernest Marsden.


REFERENCES


[Miles:1985:FNZ] Sue Miles, Martin Ball, et al. 50 famous New Zealanders: portraits and biographies of 50 of the most famous New Zealan-


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Moseley:1913:AHP

Moseley:1913:BRE

Moseley:1913:HFS

Moseley:1914:LEA

Moseley:1914:HFS
REFERENCES

Mott:1963:RML


Mott:1972:RT


Moseley:1914:NIP


Meyer:1937:FTL


Murrell:2001:AHC


Murray:2013:MDL

Robert P. Murray. The 1896 magnetic detector of Lord Ernest Rutherford. Antique Wireless Association Web site., June 17,
REFERENCES


References


REFERENCES


REFERENCES

ISSN 0950-1207 (print), 2053-9150 (electronic). URL http://rspa.royalsocietypublishing.org/content/144/853/692.

Oliphant:1933:TLP


Oliphant:1935:SNT


Oliphant:1935:ADE


Olesko:1981:BRM

REFERENCES

Oliphant:1947:RCP


Oliphant:1966:TEa


Oliphant:1966:TEb


Oliphant:1972:RRC


Oliphant:1972:SPR


Oliphant:1984:CCW


Oliphant:1985:BR

REFERENCES


REFERENCES

Petrov:1983:ACB


Priyantha:2008:IMA


Peierls:1988:RB


Peierls:1997:RBT


Peierls:1997:AH


Phillips:1983:RBC

J. M. Phillips. Rutherford backscattering/channeling and transmission electron microscopy analysis of epitaxial BaF2

**Piaggio:1924:RAE**


**Prieto:2006:QAC**


**Pierson:1988:PTR**


**Podgorsak:2010:RPM**

REFERENCES


[Pol60] L. S. Polak. Die Entstehung der Quantentheorie des Atoms (Das Rutherford–Bohrsehe Atommodell). (German) [The emergence of the quantum theory of the atom (the Rutherford–Bohr atomic model)]. In Sowjetische Beiträge zur Geschichte der Naturwissenschaft. (German) [Soviet contributions to the history of natural science] [FH60], pages 226–242. LCCN Q125 1960. DM-Ost 17.50.


<table>
<thead>
<tr>
<th>Ref</th>
<th>Author</th>
<th>Title</th>
<th>Publisher, Location, USA, Year</th>
<th>ISBN</th>
<th>Pages</th>
<th>LCCN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre05</td>
<td>Diana Preston</td>
<td>Before the fallout: from Marie Curie to Hiroshima</td>
<td>Berkley Books, New York, NY, USA, 2005</td>
<td>0-425-20789-7</td>
<td>xiv + 400</td>
<td>???</td>
</tr>
<tr>
<td>Pri08</td>
<td>Colin Price</td>
<td>Ernest at war 1917</td>
<td>Web document, October 8, 2008</td>
<td><a href="http://www.outreach.canterbury.ac.nz/resources/Rutherford%2520Science%2520resources/activity/Ernest%2520at%2520war%25201917.doc">http://www.outreach.canterbury.ac.nz/resources/Rutherford%2520Science%2520resources/activity/Ernest%2520at%2520war%25201917.doc</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RA02a</td>
<td>Ernest Rutherford and S. I. Allen</td>
<td>Erregte Radioaktivität und in der Atmosphäre hervorgerufene Ionisation. (German)</td>
<td>Physikalische Zeitschrift, 3(11):225–230, March 1, 1902</td>
<td><a href="http://hdl.handle.net/2027/nyp.33433062733203?urlappend=%3Bseq=259">http://hdl.handle.net/2027/nyp.33433062733203?urlappend=%3Bseq=259</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RA45</td>
<td>Ernest Rutherford and Komjáthy Aladár</td>
<td>Az új alkémia: az atomkutatás módszerei és eredményei, illusztrációkkal. (Hungarian) The new alchemy: nuclear research methods and results, illustrations</td>
<td>Bibliotheca, Budapest, Hungary, 1945</td>
<td></td>
<td>72, 2 t. pp.</td>
<td>???</td>
</tr>
</tbody>
</table>


REFERENCES


[Rutherford:1902:NGR]


[Rutherford:1903:HERa]


[Rutherford:1903:HERb]


[Rutherford:1904:HEG]


[Rutherford:1904:XHE]


[Rutherford:1905:PRU]


[Rutherford:1905:RPR]


[Rutherford:1905:LHE]


[Rutherford:1906:PRR]


[Rutherford:1906:RPR]

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


References

Rezeford:1938:SAR


Rezeford:1971:INT


Rezeford:1972:INT

[Rez72] Ernest Rezerford. Izbrannyje naučnye trudy. (Russian) [Selected scientific papers]. Nauka, Moscow, Russia, 1972. 532 pp.

Reardon:2001:RSD


Rutherford:1902:MAS


Rutherford:1902:XDR

REFERENCES


Professor Ernest Rutherford, F.R.S. and Hans Geiger, Ph.D. IX. A method of counting the number of α particles from...
REFERENCES


**Rutherford:1909:LNT**


**Rutherford:1909:EMR**


**Rutherford:1910:LPV**


**Rutherford:1911:LTN**


**Rutherford:1906:MVP**

[RH06a] Ernest Rutherford and Otto Hahn. Masse et vitesse des particules α émises par le radium et l’actinium radium. (French) [mass and velocity of α particles expelled from radium and
Rutherford:1906:XMP


Righini:1979:ATC


Riley:1970:SMP


Rittenhouse:1992:RES


Rutherford:1934:BHI

REFERENCES


REFERENCES


[RMM+29] Sir Ernest Rutherford, O.M., Sir Charles Martin, F.R.S., Professor Paul A. Murphy, Dr. J. A. Arkwright, F.R.S., J. E. Barnard, F.R.S., Dr. Kenneth M. Smith, Dr. W. E. Gye, Professor J. C. G. Ledingham, F.R.S., Dr. R. N. Salaman, Professor F. W. Twort, Dr. C. H. Andrews, Captain S. R. Douglas, F.R.S., Dr. Edward Hindle, Dr. W. B. Brierley, and Professor A. E. Boycott, F.R.S. Discussion on “ultra-microscopic viruses infecting animals and plants.”. *Proceedings of the Royal Society B: Biological Sciences*, 104(733):537–560, May 4, 1929. CODEN PRSBC7. ISSN 0950-1193 (print), 2053-9185 (electronic).


[RO99] Professor Ernest Rutherford, M.A., B.Sc. and Professor Robert B. Owens, E.E. II. thorium and uranium radiation. Transactions of the Royal Society of Canada, 5 (Section III):9–12, May 26, 1899. CODEN TRSCAI. ISSN 0035-9122. URL http://tinyurl.com/pw5lo8z; http://www.biodiversitylibrary.org/page/10793245. This paper contains the discovery of radon, before Pierre and Marie Curie (1899), and Ernst Dorn (1900). See [Bre00].


Roth:1974:DDD


Rowland:1955:ERA


Rowland:1957:ERA


Rutherford:1907:EHT


Rutherford:1907:SED


Rutherford:1908:SED

REFERENCES


[RR09b] Ernest Rutherford and Thomas Royds. The nature of the α-particle from radioactive substances. *Jahrbuch der Ra-
dioaktivität und Electronik, 6(??):1–7, ???? 1909. CODEN JAREAS. ISSN 0368-1289.

[R] Rutherford:1909:NAP

[R] Rutherford:1909:XNP

[R] Rutherford:1912:WDR
Professor Ernest Rutherford and Harold Roper Robinson. Wärmeentwicklung durch Radium and Radiumemanganation. (German) [Heat generation by radium and radium emanation]. Sitzungsberichte der Mathematisch-Naturwissenschaftliche Klasse der Kaiserlichen Akademie der Wissenschaften, 121(8):1491–1516, July 4, 1912. CODEN SWWPAX. ISSN 0376-2629. URL http://tinyurl.com/joqzp7e.

[R] Rutherford:1913:MGR
Ernest Rutherford and Harold Roper Robinson. Über die Masse und die Geschwindigkeiten der von den radioaktiven Substanzen ausgesendeten α Teilchen. (German) [On the mass and speed of α particles emitted from radioactive substances]. Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse, 122(9):1855–1884, December 4, 1913. CODEN SWWPAX. ISSN 0376-2629. URL http://tinyurl.com/h4g4c5b.

[R] Rutherford:1913:LARb
Prof. Ernest Rutherford, F.R.S. and H. Richardson, M.Sc. LXXXII. Analysis of the γ rays of the thorium and actinium products. Philosophical Magazine (6), 26(156):937–948, December 1913. CODEN PHMAA4. ISSN 1941-5982 (print),
REFERENCES


[RR95] J. Räisänen and E. Rauhala. Angular distributions of $^{12}$C, $^{14}$N, and $^{16}$O ion elastic scattering by sulfur near the
REFERENCES


[RRO2c] Ernest Rutherford and Frederick Soddy. LXXXIV. The radioactivity of thorium compounds. II. The cause and nature of radioactivity. *Journal of the Chemical Society, Transactions*, 81(??):837–860, 1902. CODEN JCHTA3. ISSN 0368-1645 (print), 2050-5450 (electronic). URL http:
REFERENCES

//pubs.rsc.org/en/Content/ArticleLanding/1902/CT/ct9028100837. See also Part I [RS02f].


REFERENCES

**Rutherford:1902:RTCb**


**Rutherford:1902:RTCa**


**Rutherford:1902:RTCc**


**Rutherford:1902:RTCd**


**Rutherford:1903:LCR**

REFERENCES

[Rutherford:1903:LR]

[Rutherford:1903:RU]

[Rutherford:1903:XCS]

[Rutherford:1966:TE]

[ RSA+34a ]

[ RSA+34b ]
Lord Rutherford, O.M., F.R.S., N. V. Sidgwick, F.R.S., F. W. Aston, F.R.S., Dr. P. Harteck, Professor F. Soddy, Dr. M. Polanyi, Professor E. K. Rideal, F.R.S., Professor R. H.
REFERENCES


Rebouita:1989:LSL


Richtmyer:1927:ECC


Rutherford:1909:XDD


Rubinin:1997:NBP


Russell:1937:MAL

Russell:1951:LRM


Russell:1956:FSI


Russell:1956:FS


Russell:1961:FS


Rutherford:1891:EE


Rutherford:1894:LMI


Rutherford:1895:XMV

REFERENCES


[Rut97b] Ernest Rutherford, M.A. A magnetic detector of electrical waves and some of its applications. *Philosophical Transactions of the Royal Society A: Mathematical, Physical, and Engineering Sciences*, 189(??):1–24, January 1897. CODEN PTMSFB. ISSN 1364-503X (print), 1471-2962 (electronic).


REFERENCES

**Rutherford:1899:URE**


**Rutherford:1900:RPS**


**Rutherford:1900:RRAa**


**Rutherford:1900:RRAb**


**Rutherford:1900:RUR**


**Rutherford:1900:TER**


**Rutherford:1900:XRP**

[Rut00f] Ernest Rutherford. XI. Radioactivity produced in substances by the action of thorium compounds. *Philosophical Magazine*
REFERENCES


**Rutherford:1900:RAS**


**Rutherford:1901:DEGb**


**Rutherford:1901:ETE**

Ernest Rutherford. Einfluss der Temperatur auf die Emmanationen radioaktiver Substanzen. (German) [Influence of temperature on the emanations of radioactive substances]. *Physikalische Zeitschrift*, 2(?):429–431, ????. 1901. CODEN PHZTAO. ISSN 0369-982X.

**Rutherford:1901:ERA**


**Rutherford:1901:TER**


**Rutherford:1901:XDC**

REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Rut04i] Ernest Rutherford. Succession of changes in radioactive bodies, 1904.


REFERENCES


[Rut05b] Ernest Rutherford. Der Unterschied zwischen radioaktiver und chemischer Verwandlung. (German) [The difference be-
REFERENCES


REFERENCES


REFERENCES

Rutherford:1905:XCC


Rutherford:1905:XST


Rutherford:1905:BLS


Rutherford:1906:ARA


Rutherford:1906:DID

REFERENCES


[Rut06i] Ernest Rutherford. Über einige Eigenschaften der α-Strahlen des Radiums. (German) [On some properties of α rays of


[Rut07g] Ernest Rutherford. Über Masse und Geschwindigkeit des von Radium und Aktinium ausgesandten α-Teilchens. (German)
[On the mass and velocity of α-particles emitted by radium and actinium]. *Jahrbuch der Radioaktivität und Electronik*, 4 (??):1–6, ???. 1907. CODEN JAREAS. ISSN 0368-1289.

Rutherford:1907:VEP


Rutherford:1907:PORb


Rutherford:1907:VVE


Rutherford:1907:PORa


Rutherford:1908:CNA

REFERENCES


[Rut08c] Ernest Rutherford. Die Ladung und Natur des α-Teilchens. (German) [the charge and nature of α particles]. *Jahrbuch der Radioaktivität und Electronik*, 5(??):408–423, 1908. CODEN JAREAS. ISSN 0368-1289.


the Manchester Literary and Philosophical Society in February 1908. According to [Coh88, page 29], “the definitive paper on the Geiger counter was presented to the Royal Society on June 18, 1908 and published in [RG08a].”

**References**

**Rutherford:1908:XER**


**Rutherford:1908:ISP**


**Rutherford:1909:BPR**


**Rutherford:1909:ATPa**


**Rutherford:1909:ATPb**

REFERENCES


REFERENCES


[Rut10a] Ernest Rutherford. Existieren die Atome, Molekeln und Elektronen?. (German) [Do atoms, molecules and electrons exist?]. *Umschau*, 14(??):341–344, ????. 1910.

[Rut10b] Ernest Rutherford. Existieren die Atome, Molekeln und Elektronen?. (German) [Do atoms, molecules and electrons exist?]. *Umschau*, 14(??):369–372, ????. 1910.


REFERENCES


Ernest Rutherford. *Radiumnormalmasse und deren Verwendung bei radioaktiven Messungen*. (German) [Normal radium measurements and their use in radioactive measurements]. Akademische Verlags-Gesellschaft, Leipzig, Germany, 1911. 45 pp. LCCN ???.


Professor Ernest Rutherford, F.R.S. The scattering of the α and β rays and the structure of the atom. *Proceed-


[Rut12e] Ernest Rutherford. XCVIII. On the energy of the group of β rays from radium. *Philosophical Magazine (6)*, 24
REFERENCES


(Rut13b) Ernest Rutherford. Handbuch der Radiologie. 2. Radioaktive Substanzen und ihre Strahlungen. (German) [Handbook of radiology. 2. Radioactive substances and their radiations]. Akademie-Verlag, Berlin, Germany, 1913. ix + 642 pp. LCCN ???? Translation to German by Adolf Bestelmeyer.

REFERENCES

abs/1913Natur..92..347R; http://www.nature.com/nature/journal/v92/n2299/pdf/092347b0.pdf.


[Rut13g] Ernest Rutherford. *Radioaktive Substanzen und ihre Strahlungen* (German) [Radioactive substances and their radiations], volume 2 of *Handbuch der Radiologie*. Akademische Verlagsgesellschaft, Leipzig, Germany, 1913. ix + 642 pp. LCCN ?????


REFERENCES


Ernest Rutherford. Exhibition of fine crystals of autunite. *Proceedings of the Manchester Literary and Philosophical Society (Manchester Memoirs)*, 59(??):xvii, March 9,
Rutherford:1915:EPC


Rutherford:1915:HGJ


Rutherford:1915:MCS


Rutherford:1915:OSG


Rutherford:1915:PWD


Rutherford:1915:REAb

REFERENCES


REFERENCES


REFERENCES


[Rut19g] Professor Sir Ernest Rutherford, F.R.S. LIII. Collision of α particles with light atoms. III. Nitrogen and oxygen atoms.
REFERENCES


REFERENCES


Ernest Rutherford. Über die Kernstruktur der Atome: Baker-Vorlesung. (German) [The nuclear structure of atoms: Baker Lecture]. S. Hirzel, Leipzig, Germany, 1921. iii + 35 + 4 pp. LCCN ????. Translation to German by Else Norst of [Rut20g].

REFERENCES


REFERENCES


Rutherford:1922:RPIa


Rutherford:1922:RPIb


Rutherford:1922:RPIe


Rutherford:1922:EMc


Rutherford:1922:APTa

Rutherford:1923:APTb


Rutherford:1923:APTc


Rutherford:1923:APTd


Rutherford:1923:APTe


Rutherford:1923:APTf


Rutherford:1923:APTg


Rutherford:1923:APTh


Rutherford:1923:APTi

REFERENCES


1923. CODEN ???? ISSN 0883-1610 (print), 2330-5908 (electronic).


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

REFERENCES


[Rut24k] Professor Sir Ernest Rutherford, F.R.S. The natural and artificial disintegration of the elements. *The Scientific
Rutherford:1924:XCL


Rutherford:1924:NADa


Rutherford:1925:DAN


Rutherford:1925:EM


Rutherford:1925:MWX

REFERENCES


[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.”.


REFERENCES

Rutherford:1926:ARAa

Rutherford:1926:ARAb
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

Rutherford:1926:ARAd

Rutherford:1926:ANT

Rutherford:1926:EWT

Rutherford:1926:ESM

Rutherford:1926:RGAAa


Rutherford:1927:SAI


Rutherford:1927:SRA


Rutherford:1927:SRP


Rutherford:1927:APSb


Rutherford:1927:RSE


Rutherford:1927:LSR

DEN 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).


REFERENCES


REFERENCES


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


REFERENCES

URL http://adsabs.harvard.edu/abs/1929RSPSB.104..97.; http://rspb.royalsocietypublishing.org/content/104/729/97.


REFERENCES


[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 ????

[Rut31d] Lord Ernest Rutherford. α Teilchen grosser Reichweite und die Entstehung der γ Strahlen. (German) [Long


[Rut32b] Ernest Rutherford. Erinnerungen an die Frühezeit 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.

REFERENCES


REFERENCES


REFERENCES


REFERENCES


[Rut35a] Ernest Rutherford. [Letter to the editor]. *The Times [London, UK]*, ??(??):??, May 1, 1935. ISSN 0140-0460, 0956-1382. Cited in [Wil83a, page ], and on the subject of the claims against the USSR for the cost of Peter Kapitza’s laboratory
equipment that was to be shipped from Cambridge to him in the USSR, where he was being denied the right to travel abroad.


REFERENCES


[Rut36f] Ernest Lord Rutherford. Radioaktivität und Atomtheorie. (German) [Radioactivity and atomic theory]. 17 pp. LCCN ????


[Rut36k] Ernest Rutherford, President of the Academic Assistance Council. A society for the protection of science and...

**Rutherford:1937:NAB**


**Rutherford:1937:NAT**


**Rutherford:1937:SD**


**Rutherford:1937:SIH**


**Rutherford:1937:THea**

REFERENCES


meeting of the Indian Science Congress, and delivered by Sir James Hopwood Jeans. See also [Ano38b].


REFERENCES


[Rutxx] Ernest Rutherford. *Forty Years of Atomic Theory*. ?????, ?????, 20xx. LCCN ????


REFERENCES


Sadana:1981:TEM


Sarton:1927:MNE


Saris:1979:ACI


Semrad:1986:AMS


Selmke:2013:PRS


Schlundt:1931:BRR

Herman Schlundt. Book review: *Radiations from Radioactive Substances*, (Rutherford, Sir Ernest; Chadwick, James; Ellis,
REFERENCES


**Schuster:1933:BF**


**Schroedinger:1957:STM**


**Schwinger:1958:SPQ**


**Schwarz:2013:ABM**


**Schwarcz:2015:RCH**


**Shih:1991:TFI**


REFERENCES


REFERENCES


G. Scharff-Goldhaber. Marie Curie’s influence on science and on society. Web document., August 1985. URL


Shea:1983:OHR


Sherwin:2017:WAA


Shire:1972:RNA


Shire:1988:LLE


Shoenberg:1982:RML


REFERENCES

Skulina:1989:CAG


Seaborg:1990:EBU


Slotte:2000:IST


Slaughter:2013:HMM


Smeltzer:1997:RRR


Smeltzer:1997:LRR

REFERENCES


[Sno58] C. P. Snow. The age of Rutherford: The birth of the atom. Atlantic Monthly, 102(??):76–80, November 1958. ISSN 1072-
REFERENCES


Frederick Soddy. An account of the researches of Professor Rutherford and his co-workers. *McGill University Magazine*, ??(?):??, December 1902.


is the paper, sent from the Physical Chemistry Laboratory at the University of Glasgow, that introduced the concept of nuclear isotopes. From page 400: “The same algebraic sum of the positive and negative charges in the nucleus, when the arithmetical sum is different, gives what I call ‘isotopes’ or ‘isotopic elements’, because they occupy the same place in the periodic table. They are chemically identical, and save only as regards the relatively few physical properties which depend upon atomic mass directly, physically identical also.”.


REFERENCES


REFERENCES

APPLAB. ISSN 0003-6951 (print), 1077-3118 (electronic), 1520-8842.


REFERENCES


REFERENCES


REFERENCES


References


REFERENCES


[Tizard:1946:RML]


[Tanner:2011:RL]


[Touboltsev:2003:ELL]


[Thevuthasan:1999:RBC]


[Tammen:1995:IIS]


[Todd:2014:BHL]


REFERENCES


Trenn:1977:SSA

Trenn:1979:RMP

Trenn:1983:WHR

Trenn:1985:BRR

Thomson:1928:CET

Thomson:1969:CET

Turner:2001:BRR
REFERENCES


vandenBroek:1907:TPS


vandenBroek:1913:RPS

Antonius van den Broek. Die Radioelemente, das periodische System und die Konstitution der Atome. (German) [The radio elements, the periodic system, and the constitution of atoms]. *Physikalische Zeitschrift*, 14(1):32–41, January 1913. CODEN PHZTAO. ISSN 0369-982X. URL http://hdl.handle.net/2027/njp.32101054770894?urlappend=%3Bseq=70.

vanderKolk:1989:SPS


Villeneuve:2005:TCR


vanIJzendoorn:1989:SDP

L. J. van IJzendoorn and J. P. W. Schellekens. Si-depth profiling with Rutherford backscattering in photoresist layers:
REFERENCES


**Valdecasas:2014:WBN**


**Volterra:1912:LDC**


**Vucinich:1986:BRK**


**Voinov:2009:SRC**


**vonWeizsacker:1935:TKG**


**Wang:1996:DLS**


REFERENCES


Wittmaack:1988:SEA


Weyland:2001:ETN


Wood:1946:CL


Weart:1985:HP


Webster:1931:CEP


Wright:1964:CSP

REFERENCES

[Wuy91] K. Wuyts. A combined Rutherford backscattering and Auger
electron spectroscopy analysis of Ni/Au/Te ohmic contacts
to n-GaAs. *Journal of Vacuum Science & Technology B:
Microelectronics and Nanometer Structures–Processing,
JVSTBM. ISSN 1071-1023 (print), 1520-8567 (electronic).

[WV07] M. R. Went and M. Vos. Investigation of binary compounds
using electron Rutherford backscattering. *Applied Physics
Letters*, 90(7):072104, 2007. CODEN APPLAB. ISSN 0003-
6951 (print), 1077-3118 (electronic), 1520-8842.

Analysis of lead azide thin films by Rutherford backscatter-
JAPIAU. ISSN 0021-8979 (print), 1089-7550 (electronic),
1520-8850.

[WVD+96] M. F. Wu, A. Vantomme, J. De Wachter, S. Degroote,
H. Pattyn, G. Langouche, and H. Bender. Comprehensive
Rutherford backscattering and channeling study of ion-beam-
synthesized ErSi$_2$ layers. *Journal of Applied Physics*, 79(9):
6920–6925, May 1996. CODEN JAPIAU. ISSN 0021-8979
(print), 1089-7550 (electronic), 1520-8850.

der Stricht, K. Jacobs, and I. Moerman. Elastic strain in
In$_{0.18}$Ga$_{0.82}$N layer: a combined X-ray diffraction and
Rutherford backscattering/channeling study. *Applied Physics
Letters*, 74(3):365, 1999. CODEN APPLAB. ISSN 0003-6951
(print), 1077-3118 (electronic), 1520-8842.

[Wyb72] Brian G. Wybourne, editor. *The structure of matter: Ruther-
ford Centennial Symposium, Christchurch, 7–9 July 1971.*
held 7–9 July 1971 in honor of the centenary of the birth of Ernest Rutherford.


[Yuhara:1992:PTS] Junji Yuhara. Phase transition of the Si(111)–Au surface from $\sqrt{3}\times\sqrt{3}$ to $5\times1$ structure studied by means of the low-energy electron diffraction, Auger electron spectroscopy, and Rutherford backscattering spectroscopy techniques. *Journal of Vacuum Science & Technology A: Vacuum, Surfaces, and...*

Ziegler:1974:DBI


Zhou:2012:DPT


Ziman:1969:RMLa


Ziman:1969:RMLb

Zhang:2002:DER