

Gregory J Lane

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8255570/publications.pdf>

Version: 2024-02-01

238
papers

4,939
citations

94433

37
h-index

149698

56
g-index

242
all docs

242
docs citations

242
times ranked

1776
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | <p>Electric Monopole Transition from the Superdeformed Band in ^{137}Ba. Physical Review C, 2022, 105, .</p> <p>Various collective states in the ^{137}Ba nucleus. Physical Review C, 2021, 103, .</p> | 2.9 | 4 |
| 2 | <p>Ground-state and decay properties of neutron-rich ^{106}Nb. Physical Review C, 2021, 103, .</p> | 7.8 | 2 |
| 3 | <p>Beta decay of the axially asymmetric ground state of ^{192}Re. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 814, 136088.</p> | 2.9 | 1 |
| 4 | <p>A scalable and reconfigurable industrial-grade Slow Control System for SABRE-South Dark matter experiment. Journal of Instrumentation, 2021, 16, P03002.</p> | 2.9 | 0 |
| 5 | <p>Characterization of SABRE crystal NaI-33 with direct underground counting. European Physical Journal C, 2021, 81, 1.</p> | 4.1 | 4 |
| 6 | <p>Reply to: Possible overestimation of isomer depletion due to contamination. Nature, 2021, 594, E3-E4.</p> | 1.2 | 3 |
| 7 | <p>Quenching factor measurements of sodium nuclear recoils in NaI:Tl determined by spectrum fitting. Journal of Instrumentation, 2021, 16, P07034.</p> | 3.9 | 14 |
| 8 | <p>First direct observation of isomeric decay in neutron-rich odd-odd ^{186}Ta. Physical Review C, 2021, 104, .</p> | 27.8 | 9 |
| 9 | <p>Emerging collectivity in neutron-hole transitions near doubly magic ^{208}Pb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 823, 136738.</p> | 1.2 | 11 |
| 10 | <p>Solenogam: A new detector array for β^+-ray and conversion-electron spectroscopy of long-lived states in fusion-evaporation products. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 953, 163136.</p> | 2.9 | 5 |
| 11 | <p>Investigation of Viton O-Ring Performance for the SABRE Dark Matter Experiment. Journal of Materials Engineering and Performance, 2020, 29, 8359-8369.</p> | 4.1 | 5 |
| 12 | <p>Isomeric and β^+-decay spectroscopy of $^{173,174}\text{Ho}$. Physical Review C, 2020, 102, .</p> | 1.6 | 3 |
| 13 | <p>SABRE and the Stawell Underground Physics Laboratory Dark Matter Research at the Australian National University. EPJ Web of Conferences, 2020, 232, 01002.</p> | 2.5 | 4 |
| 14 | <p>Evidence for shape coexistence in ^{52}Cr through conversion-electron and pair-conversion spectroscopy. EPJ Web of Conferences, 2020, 232, 04004.</p> | 2.9 | 2 |
| 15 | <p>Improved precision on the experimental β^+-decay branching ratio of the Hoyle state. Physical Review C, 2020, 102, .</p> | 0.3 | 9 |
| 16 | <p>Determination of luminosity for in-ring reactions: A new approach for the low-energy domain. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 982, 164367.</p> | 0.3 | 6 |
| 17 | | 4.9 | 12 |
| 18 | | 1.6 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Evidence for shape coexistence and superdeformation in ^{24}Mg . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135855. | 4.1 | 11 |
| 20 | ^{-}ray and conversion-electron spectroscopy of the high-spin isomer in ^{145}Sm . Physical Review C, 2020, 102, 014301. | 4.0 | 0 |
| 21 | Properties of ^{187}Ta . Physical Review C, 2020, 102, 014305. | 7.8 | 12 |
| 22 | Electron capture of ^{187}Xe in collisions with ^{135}Xe . Physical Review C, 2020, 102, 014305. | 2.5 | 7 |
| 23 | ^{66}Ge , ^{67}Ge , and ^{69}Ge . Physical Review C, 2020, 102, 014305. | 2.9 | 2 |
| 24 | The $^{136}\text{Xe} + ^{198}\text{Pt}$ reaction: a detailed re-examination. European Physical Journal A, 2020, 56, 1. | 2.5 | 9 |
| 25 | ^{-}ray spectroscopy of a four-quasiparticle isomer band in ^{174}Re . Physical Review C, 2020, 101, 014305. | 2.9 | 1 |
| 26 | Emerging nuclear collectivity in ^{124}Te – ^{130}Te . EPJ Web of Conferences, 2020, 232, 04003. | 0.3 | 5 |
| 27 | CYGNUS. Journal of Physics: Conference Series, 2020, 1468, 012044. | 0.4 | 5 |
| 28 | Determination of beta-delayed neutron emission probability limits of rhodium isotopes by gamma-ray spectroscopy. Journal of Physics: Conference Series, 2020, 1643, 012208. | 0.4 | 0 |
| 29 | Liquid Scintillator Development for the SABRE Detector Experiment. , 2020, , . | | 0 |
| 30 | Interplay of quasiparticle and vibrational excitations: First observation of isomeric states in ^{168}Dy and ^{169}Dy . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 799, 135036. | 4.1 | 8 |
| 31 | First-excited state g factors in the stable, even Ge and Se isotopes. Physical Review C, 2019, 100, . | 2.9 | 4 |
| 32 | Fast-timing measurements in the ground-state band of ^{114}Pd . Physical Review C, 2019, 100, . | 2.9 | 10 |
| 33 | Proton-neutron multiplet states and isomers in the odd-odd nucleus ^{132}Sn . Physical Review C, 2019, 100, . | 2.9 | 3 |
| 34 | Proton Shell Evolution below ^{132}Sn . Physical Review C, 2019, 100, . | 7.8 | 17 |
| 35 | First Measurement of Low-Lying $^{-}\text{Emitting}$ Isomers in ^{125}Pd and ^{127}Pd : Competing proton and neutron excitations in neutron-rich palladium nuclides towards the $N=82$ shell closure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 263-268. | 4.1 | 5 |
| 36 | The SABRE project and the SABRE Proof-of-Principle. European Physical Journal C, 2019, 79, 1. | 3.9 | 73 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | <p> $\text{Xe}^{136} + \text{Pt}$ $\rightarrow \text{Xe}^{136} + \text{Pt}$ reaction: A test of models </p> | 2.9 | 35 |
| 38 | Approaching the Gamow Window with Stored Ions: Direct Measurement of $\text{Xe}^{124}(\text{p}, \text{f}^3)$ in the ESR Storage Ring. Physical Review Letters, 2019, 122, 092701. | 7.8 | 38 |
| 39 | <p> $E > 0$ transition strength in stable Ni isotopes. Physical Review C, 2019, 99, . </p> | 4.9 | 9 |
| 40 | Monte Carlo simulation of the SABRE PoP background. Astroparticle Physics, 2019, 106, 1-9. | 4.3 | 26 |
| 41 | High-spin spectroscopy and shell-model interpretation of the $N \hat{=} 126$ radium isotopes Ra212 and Ra213. Physical Review C, 2018, 97, . | 2.9 | 6 |
| 42 | Isomer depletion as experimental evidence of nuclear excitation by electron capture. Nature, 2018, 554, 216-218. | 27.8 | 52 |
| 43 | <p> Mg^{26} </p> | | |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Forbidden transition rates. Physical Review C, 2017, 95, . Fast Timing Measurement Using an LaBr ₃ (Ce) Scintillator Detector Array Coupled with Gammasphere. Acta Physica Polonica B, 2017, 48, 351. | 2.9 | 3 |
| 56 | Isomer Spectroscopy of Neutron-rich $^{165,167}\text{Tb}$. Acta Physica Polonica B, 2017, 48, 601. | 0.8 | 12 |
| 57 | Decay spectroscopy with Solenogam at the ANU Heavy Ion Accelerator Facility. EPJ Web of Conferences, 2016, 123, 04007. | 0.8 | 3 |
| 58 | Nuclear lifetime measurements from data with independently varying observation times. EPJ Web of Conferences, 2016, 123, 04004. | 0.3 | 1 |
| 59 | Recent advances in \hat{I}^2 -decay spectroscopy at CARIBU. EPJ Web of Conferences, 2016, 123, 04006. | 0.3 | 1 |
| 60 | Electric Monopole Transition Strengths in ^{62}Ni . EPJ Web of Conferences, 2016, 123, 02004. | 0.3 | 1 |
| 61 | Proton-hole and core-excited states in the semi-magic nucleus $^{131}\text{In}^{82}$. European Physical Journal A, 2016, 52, 1. | 2.5 | 9 |
| 62 | Search for bound-state electron+positron pair decay. EPJ Web of Conferences, 2016, 123, 04003. | 0.3 | 4 |
| 63 | Impact of triaxiality on the rotational structure of neutron-rich rhenium isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 311-316. | 4.1 | 8 |
| 64 | K-mixing in the doubly mid-shell nuclide ^{170}Dy and the role of vibrational degeneracy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 404-408. | 4.1 | 20 |
| 65 | Physics book: CRYRING@ESR. European Physical Journal: Special Topics, 2016, 225, 797-882. | 2.6 | 101 |
| 66 | Long-lived K isomer and enhanced \hat{I}^3 vibration in the neutron-rich nucleus ^{172}Dy : Collectivity beyond double midshell. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 641-646. | 4.1 | 24 |
| 67 | \hat{I}^2 decay of ^{130}Cd : Revision and extension of the level scheme of ^{130}Cd . Physical Review C, 2016, 93, . | 2.9 | 17 |
| 68 | \hat{I}^2 decay of ^{162}W and ^{162}In . Physical Review C, 2016, 93, . | 2.9 | 8 |
| 69 | Spectroscopy and high-spin structure of ^{210}Fr : Isomerism and potential evidence for configuration mixing. Physical Review C, 2016, 93, . | 2.9 | 4 |
| 70 | \hat{I}^2 decay of ^{129}Cd and excited states in ^{129}In . Physical Review C, 2015, 91, . | 2.9 | 20 |
| 71 | High-spin yrast structure of ^{204}Hg from the decay of a four-hole, ^{222}Mo . | 2.9 | 11 |
| 72 | | | |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Octupole transitions in the ^{208}Pb region. Journal of Physics: Conference Series, 2015, 580, 012010. | 0.4 | 9 |
| 74 | Core excitations across the neutron shell gap in ^{207}Tl . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 88-92. | 4.1 | 15 |
| 75 | Shape Evolution in Neutron-Rich Ru Nuclei. , 2015, , . | | 0 |
| 76 | Structure of ^{207}Pb Populated in $^{208}\text{Pb} + ^{208}\text{Pb}$ Deep-inelastic Collisions. Acta Physica Polonica B, 2015, 46, 619. | 0.8 | 3 |
| 77 | ^{12}N Decay Half-Lives of ^{110}N Neutron-Rich Nuclei across the Shell Gap: Implications for the Mechanism and Universality of the Astrophysical Increased Isomeric Lifetime of hydrogen-like ^{192}Os | 7.8 | 167 |
| 78 | ^{192}Os Produced in Deep-Inelastic Reactions. EPJ Web of Conferences, 2014, 66, 02110. | 2.9 | 12 |
| 79 | Angular Distributions of γ Rays from ^{210}Bi Produced in $^{208}\text{Pb} + ^{208}\text{Pb}$ Deep-inelastic Reactions. Acta Physica Polonica B, 2014, 45, 205. | 0.3 | 1 |
| 80 | ^{81}Cd Proton-Hole State in ^{132}Sn | 4.1 | 22 |
| 81 | Proton-Hole State in ^{132}Sn . Physical Review Letters, 2014, 112, 112601. | 7.8 | 51 |
| 82 | ^{132}Sn . Physical Review Letters, 2014, 112, 112601. | 7.8 | 24 |
| 83 | Explored with the Long-Lived Isomer in deformed region. EPJ Web of Conferences, 2014, 66, 02033. | 0.3 | 1 |
| 84 | ^{128}Pd and ^{126}Pd Evidence for a Robust Shell Closure at $Z=28$ | 7.8 | 67 |
| 85 | Isomers and excitation modes in the gamma-soft nucleus ^{192}Os . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 330-335. | 4.1 | 20 |
| 86 | Core Excitations Across the Neutron Shell Gap in ^{207}Tl . Acta Physica Polonica B, 2013, 44, 381. | 0.8 | 4 |
| 87 | Multiquasiparticle states in the neutron-rich nucleus ^{174}Tm . Physical Review C, 2013, 88, . | 2.9 | 2 |
| 88 | Shape evolution in $^{116,118}\text{Ru}$: Triaxiality and transition between the $O(6)$ and $U(5)$ dynamical symmetries. Physical Review C, 2013, 88, . | 2.9 | 21 |
| 89 | Three-quasiparticle isomers and possible deformation in the transitional nuclide, ^{95}Au | 2.9 | 7 |
| 90 | | | |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | High-spin structure, Isomers, and state mixing in the neutron-rich isotopes ^{173}Tm and ^{175}Tm . Physical Review C, 2012, 86, . | 2.9 | 10 |
| 92 | Isomers and alignments in ^{191}Ir and ^{192}Os . Journal of Physics: Conference Series, 2012, 381, 012060. | 0.4 | 1 |
| 93 | Band structure of ^{235}U . Physical Review C, 2012, 86, . | 2.9 | 4 |
| 94 | Discovery of isomers in dysprosium, holmium, and erbium isotopes with $N=94$. Physical Review C, 2012, 85, . | 2.9 | 7 |
| 95 | Hindered decays from a non-yrast four-quasiparticle isomer in ^{164}Er . Physical Review C, 2012, 86, . | 2.9 | 10 |
| 96 | Applications of a 6.5T Superconducting Solenoidal Separator. EPJ Web of Conferences, 2012, 35, 05006. | 0.3 | 0 |
| 97 | Observation of new $h9/2$ and $h11/2$ bands in ^{187}Tl . EPJ Web of Conferences, 2012, 35, 06002. | 0.3 | 0 |
| 98 | Levels in ^{210}Fr and the decay of a high-spin, multi-particle isomer. EPJ Web of Conferences, 2012, 35, 06003. | 0.3 | 1 |
| 99 | Decay of a three-quasiparticle isomer in the neutron-rich nucleus ^{183}Ta . EPJ Web of Conferences, 2012, 35, 06004. | 0.3 | 1 |
| 100 | Long-lived three-quasiparticle isomers in ^{191}Ir and ^{193}Ir with triaxial deformation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 59-64. | 4.1 | 17 |
| 101 | Neutron-particle and proton-hole excitations in the $N=128$ isotones ^{208}Hg and ^{209}Tl from spectroscopy following $^{208}\text{Pb}+^{238}\text{U}$ deep-inelastic reactions. Journal of Physics: Conference Series, 2011, 267, 012035. | 0.4 | 3 |
| 102 | Publisher's Note: Discovery of a nonyrast $K^\pi=8^+$ isomer in ^{162}Dy , and the influence of competing K -mixing mechanisms on its highly forbidden decay [Phys. Rev. C83, 034322 (2011)]. Physical Review C, 2011, 83, . | 2.9 | 0 |
| 103 | Discovery of a nonyrast $K^\pi=8^+$ isomer in ^{162}Dy , and the influence of competing K -mixing mechanisms on its highly forbidden decay [Phys. Rev. C83, 034322 (2011)]. Physical Review C, 2011, 83, . | 2.9 | 8 |
| 104 | Various Isomers in Doubly Odd I Isotopes. Journal of the Korean Physical Society, 2011, 59, 1525-1528. | 0.7 | 12 |
| 105 | Decay Schemes of Three-Quasiparticle Isomers in $^{119,121}\text{Sb}$ and $^{121,123}\text{I}$. Journal of the Korean Physical Society, 2011, 59, 1539-1542. | 0.7 | 5 |
| 106 | On the character of three 8^+ states in ^{192}Pb . European Physical Journal A, 2010, 43, 145-151. | 2.5 | 7 |
| 107 | Structure of neutron-rich Wangler-1998 nuclei and evidence for a 10^+ isomer in ^{198}Pt . Physical Review C, 2011, 83, . | 2.9 | 13 |
| 108 | Structure of neutron-rich Wangler-1998 nuclei and evidence for a 10^+ isomer in ^{198}Pt . Physical Review C, 2011, 83, . | 2.9 | 35 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Structure of the ^{168}Er isomer. <i>Physical Review C</i> , 2009, 79, . | 2.9 | 24 |
| 110 | MULTI-QUASIPARTICLE ISOMERS INVOLVING PROTON-PARTICLE AND NEUTRON-HOLE CONFIGURATIONS IN ^{131}I AND ^{133}I . <i>Modern Physics Letters A</i> , 2010, 25, 1800-1803. | 1.2 | 4 |
| 111 | Structure of the ^{169}Ho isomer. <i>Physical Review C</i> , 2009, 79, . | 2.9 | 9 |
| 112 | Decay properties of high-spin isomers and other structures in ^{121}Sb and ^{123}Sb . <i>Physical Review C</i> , 2009, 79, . | 2.9 | 14 |
| 113 | Multi-quasiparticle isomers involving proton-particle and neutron-hole configurations in ^{131}I and ^{133}I . <i>Physical Review C</i> , 2009, 79, . | 2.9 | 14 |
| 114 | Fast decay of a three-quasiparticle isomer in ^{171}Tm . <i>Physical Review C</i> , 2009, 79, . | 2.9 | 15 |
| 115 | Structure of the ^{209}Fr isomer. <i>Physical Review C</i> , 2009, 79, . | 2.9 | 12 |
| 116 | Decay of the ^{212}Fr isomer. <i>Physical Review C</i> , 2009, 80, . | 2.9 | 12 |
| 117 | Multi-quasiparticle isomers in ^{174}Lu . <i>Physical Review C</i> , 2009, 80, . | 2.9 | 6 |
| 118 | Structure of the ^{126}N isomer. <i>Physical Review C</i> , 2009, 79, . | 2.9 | 18 |
| 119 | Structure of the ^{132}Po isomer. <i>Physical Review C</i> , 2009, 79, . | 2.9 | 12 |
| 120 | Lifetime of the ^{189}K isomer in the neutron-rich nucleus ^{126}N . <i>Physical Review C</i> , 2009, 79, . | 2.9 | 25 |
| 121 | Assignment of levels in ^{208}Fr and 10- isomers in the odd-odd isotones ^{206}At and ^{208}Fr . <i>European Physical Journal A</i> , 2009, 40, 127-130. | 2.5 | 12 |
| 122 | Identification of $^{19/2^+}$ and $^{23/2^+}$ isomeric states in ^{127}Sb . <i>European Physical Journal A</i> , 2009, 42, 163. | 2.5 | 5 |
| 123 | High-spin isomers in ^{212}Rn in the region of triple neutron core-excitations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 662, 19-25. | 4.1 | 9 |
| 124 | Neutron core excitations in the ^{126}N isomer. <i>Physical Review C</i> , 2008, 77, . | 2.9 | 12 |
| 125 | Two-quasiparticle isomer, $E1$ hindrances and residual interactions in ^{172}Tm . <i>Physical Review C</i> , 2008, 77, . | 2.9 | 11 |
| 126 | High-spin, multiparticle isomers in ^{121}Sb , ^{123}Sb . <i>Physical Review C</i> , 2008, 77, . | 2.9 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | \hat{I}^3 -ray spectroscopy of neutron-deficient ^{110}Te . I. Low- and intermediate-spin structures. Physical Review C, 2007, 76, . | 2.9 | 9 |
| 128 | Smooth terminating bands in ^{112}Te : Particle-hole induced collectivity. Physical Review C, 2007, 75, . | 2.9 | 12 |
| 129 | Structure of the isomeric states in ^{123}Sb . Physical Review C, 2007, 76, . | 2.9 | 15 |
| 130 | Identification of a high-spin isomer in ^{99}Mo . Physical Review C, 2007, 76, . | 2.9 | 4 |
| 131 | Rotational damping, ridges, and the quasicontinuum of \hat{I}^3 rays in ^{152}Dy . Physical Review C, 2007, 75, . | 2.9 | 23 |
| 132 | \hat{I}^3 -ray spectroscopy of neutron-deficient ^{110}Te . II. High-spin smooth-terminating structures. Physical Review C, 2007, 76, . | 2.9 | 13 |
| 133 | Measurement of conversion electrons with the $^{208}\text{Pb}(p,n)^{208}\text{Bi}$ reaction and derivation of the shell model proton neutron hole interaction from the properties of ^{208}Bi . Physical Review C, 2007, 76, . | 2.9 | 11 |
| 134 | Magnetic properties of deformed dipole bands in $^{110, 112}\text{Te}$. Physica Scripta, 2006, T125, 192-193. | 2.5 | 0 |
| 135 | Two-quasiparticle K-isomers and pairing strengths in the neutron-rich isotopes ^{174}Er and ^{172}Er . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 635, 200-206. | 4.1 | 39 |
| 136 | Magnetic properties of smooth terminating dipole bands in $^{110, 112}\text{Te}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 636, 25-30. | 4.1 | 12 |
| 137 | Excitation energies of superdeformed states in the Pb isotopes. AIP Conference Proceedings, 2006, , . | 0.4 | 2 |
| 138 | Microsecond and nanosecond isomers populated in fission reactions. AIP Conference Proceedings, 2006, , . | 0.4 | 1 |
| 139 | Novel Recoil Spectrometer for Characterising Nuclei Far From Stability. AIP Conference Proceedings, 2006, , . | 0.4 | 2 |
| 140 | Anomalous Isomeric Decays in ^{174}Lu as a Probe of K-Mixing and Interactions in Deformed Nuclei. Physical Review Letters, 2006, 97, 122501. | 7.8 | 39 |
| 141 | High-spin isomers and three-neutron valence configurations in ^{211}Pb . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 606, 34-42. | 4.1 | 22 |
| 142 | Strength of octupole correlations in the actinides: contrasting behavior in the isotones ^{237}U and ^{239}Pu . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 618, 51-59. | 4.1 | 24 |
| 143 | Quadrupole moment of the yrast superdeformed band in ^{192}Pb . Nuclear Physics A, 2005, 748, 12-26. | 1.5 | 6 |
| 144 | Observation of a superdeformed band in ^{190}Pb . European Physical Journal A, 2005, 24, 179-183. | 2.5 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Structure Of Multi-Quasiparticle Isomers In The Region Of 177Lu. AIP Conference Proceedings, 2005, , . | 0.4 | 0 |
| 146 | Structure of two-, four-, and six-quasiparticle isomers in Yb174 and K-forbidden decays. Physical Review C, 2005, 71, . | 2.9 | 41 |
| 147 | Investigation of antimagnetic rotation in light Cadmium nuclei: Cd106,108. Physical Review C, 2005, 72, . | 2.9 | 49 |
| 148 | Excitation Energies of Superdeformed States in Pb196: Towards a Systematic Study of the Second Well in Pb Isotopes. Physical Review Letters, 2005, 95, 182501. | 7.8 | 18 |
| 149 | E3 strength of the $11\hbar^2$ isomeric decays in Pb194 and Pb196 and oblate deformation. Physical Review C, 2005, 72, . | 2.9 | 26 |
| 150 | Spectroscopy of ^{212}Po and ^{213}At using a ^8He radioactive beam and EXOGAM. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1851-S1854. | 3.6 | 12 |
| 151 | High-angular-momentum structures in Zn64. Physical Review C, 2004, 69, . | 2.9 | 21 |
| 152 | Spectroscopy of Pb10682188: Evidence for shape coexistence. Physical Review C, 2004, 69, . | 2.9 | 48 |
| 153 | High-spin study of rotational structures in Br72. Physical Review C, 2004, 69, . | 2.9 | 6 |
| 154 | g factors of the $9\hbar^2$ and $11\hbar^2$ isomers in Pb194 and Pb196: Configuration mixing and deformation. Physical Review C, 2004, 69, . | 2.9 | 14 |
| 155 | Electromagnetic properties of pseudo-Nilsson bands in 185Os. European Physical Journal A, 2004, 19, 319-325. | 2.5 | 6 |
| 156 | K-Mixing and fast decay of a seven-quasiparticle isomer in ^{179}Ta . European Physical Journal A, 2004, 22, 23-27. | 2.5 | 17 |
| 157 | Identification of yrast high-K isomers in ^{177}Lu and characterisation of ^{177m}Lu . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 584, 22-30. | 4.1 | 28 |
| 158 | High-spin states, lifetime measurements and isomers in 181Os. Nuclear Physics A, 2003, 728, 287-338. | 1.5 | 11 |
| 159 | $\hat{\gamma}$ -ray spectroscopy with a beam. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 511, 354-359. | 1.6 | 13 |
| 160 | Direct Decays from Superdeformed States in Pb192 Observed Using Time-Correlated $\hat{\gamma}$ -Ray Spectroscopy. Physical Review Letters, 2003, 90, 142501. | 7.8 | 35 |
| 161 | Evidence for a New Type of Shears Mechanism in Cd106. Physical Review Letters, 2003, 91, 162501. | 7.8 | 68 |
| 162 | Isomer bands, E0 transitions, and mixing due to shape coexistence in ^{82}Pb 106. Physical Review C, 2003, 67, . | 2.9 | 44 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Multiphonon Vibrations at High Angular Momentum in ^{182}Os . Physical Review Letters, 2003, 91, 182501. | 7.8 | 14 |
| 164 | High-Spin Isomers, Residual Interactions And Octupole Correlations In The N=128 Isotones: ^{211}Bi , ^{212}Po and ^{213}At . AIP Conference Proceedings, 2003, , . | 0.4 | 4 |
| 165 | Isomers And E0 Transitions As A Probe Of Triple Shape Co-existence In ^{188}Pb . AIP Conference Proceedings, 2003, , . | 0.4 | 0 |
| 166 | Octupole Vibration in Superdeformed $^{152}\text{y}86$. Physical Review Letters, 2002, 89, 282501. | 7.8 | 36 |
| 167 | Direct Decay from the Superdeformed Band to the Yrast Line in $^{152}\text{y}86$. Physical Review Letters, 2002, 88, 042501. | 7.8 | 61 |
| 168 | Excited structure with a very extended shape in ^{108}Cd . Physical Review C, 2002, 65, . | 2.9 | 9 |
| 169 | Search for the Jacobi shape transition in rapidly rotating nuclei. Physical Review C, 2002, 66, . | 2.9 | 16 |
| 170 | Comparative quadrupole moments of triaxial superdeformed states in 163 , 164 , ^{165}Lu . European Physical Journal A, 2002, 15, 435-437. | 2.5 | 33 |
| 171 | Lifetimes of superdeformed rotational states in ^{36}Ar . Physical Review C, 2001, 63, . | 2.9 | 71 |
| 172 | Excited states and deformation of ^{112}Xe . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 523, 13-21. | 4.1 | 25 |
| 173 | Blue: a database for high-fold $\hat{\Gamma}^3$ -ray coincidence data. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 462, 519-529. | 1.6 | 58 |
| 174 | Effective Charge of the $\epsilon_{h11/2}$ Orbital and the Electric Field Gradient of Hg from the Yrast Structure of ^{206}g . Physical Review Letters, 2001, 87, 212501. | 7.8 | 47 |
| 175 | Smooth band termination at high spin in ^{113}I . Physical Review C, 2001, 64, . | 2.9 | 20 |
| 176 | Spectroscopy in the Z=49 $^{108,110}\text{I}$ isotopes: Lifetime measurements in shears bands. Physical Review C, 2001, 64, . | 2.9 | 64 |
| 177 | Empirical Investigation of Extreme Single-Particle Behavior of Nuclear Quadrupole Moments in Highly Collective $^{150}\text{Superdeformed Bands}$. Physical Review Letters, 2001, 87, 172503. | 7.8 | 10 |
| 178 | Identification of excited states in ^{117}Cs : Systematics of the $\hat{\Gamma}^{1/2}(h11/2)_2$ alignment. Physical Review C, 2001, 63, . | 2.9 | 15 |
| 179 | Very Extended Shapes in the $^{110}\text{Region}$. Physical Review Letters, 2001, 87, 202502. | 7.8 | 19 |
| 180 | Three-dimensional position sensitivity in two-dimensionally segmented HP-Ge detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 452, 223-238. | 1.6 | 106 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Performance of the GRETA prototype detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 452, 105-114. | 1.6 | 76 |
| 182 | Collective T=0 pairing in N=Z nuclei? Pairing vibrations around ^{56}Ni revisited. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 480, 1-6. | 4.1 | 45 |
| 183 | Multiple shape-driving $\frac{1}{2}(h_{11/2})^2$ and $\frac{1}{2}(h_{11/2})^2$ alignments in ^{120}Ba . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 483, 7-14. | 4.1 | 10 |
| 184 | Search for magnetic rotation in ^{202}Pb and ^{203}Pb . European Physical Journal A, 2000, 9, 161-164. | 2.5 | 9 |
| 185 | $\hat{\Gamma}^3$ -ray spectroscopy in ^{111}Te . Physical Review C, 2000, 61, . | 2.9 | 18 |
| 186 | Excited states in ^{110}In and core polarization effects of the $h_{11/2}$ proton and neutron orbitals. Physical Review C, 2000, 62, . | 2.9 | 6 |
| 187 | Band structure of ^{68}Ge . Physical Review C, 2000, 63, . | 2.9 | 31 |
| 188 | Identification of excited states in ^{119}Ba . Physical Review C, 2000, 61, . | 2.9 | 10 |
| 189 | Is there pairing in N=Z nuclei?. Physical Review C, 2000, 61, . | 2.9 | 89 |
| 190 | High-spin study of ^{113}Xe : Smooth band termination in valence space. Physical Review C, 2000, 61, . | 2.9 | 13 |
| 191 | Shears mechanism in ^{109}Cd . Physical Review C, 2000, 61, . | 2.9 | 70 |
| 192 | Yrast and near-yrast excitations up to high spin in ^{100}Cd . Physical Review C, 2000, 61, . | 2.9 | 18 |
| 193 | High-spin states in ^{109}Te : Competition between collective and single-particle excitations. Physical Review C, 2000, 61, . | 2.9 | 21 |
| 194 | High-spin study of ^{111}I . Physical Review C, 2000, 61, . | 2.9 | 10 |
| 195 | Competition between high-K states and rotational structures in ^{177}Ta . Physical Review C, 2000, 61, . | 2.9 | 21 |
| 196 | Collective structures and band termination in ^{107}Sb . Physical Review C, 2000, 62, . | 2.9 | 12 |
| 197 | Superdeformation in the N=Z nucleus ^{36}Ar : Experimental, Deformed Mean Field, and Spherical Shell Model Descriptions. Physical Review Letters, 2000, 85, 2693-2696. | 7.8 | 143 |
| 198 | Collective dipole bands in $^{110,112}\text{Te}$: Stability against magnetic rotation. , 1999, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 199 | Confirmation of the Shears Mechanism in Near-Spherical Tin Nuclei. <i>Physical Review Letters</i> , 1999, 83, 500-503. | 7.8 | 49 |
| 200 | Shears Mechanism in the $A \approx 110$ Region. <i>Physical Review Letters</i> , 1999, 82, 3220-3223. | 7.8 | 74 |
| 201 | Population of high-spin states in ^{234}U by an incomplete-fusion reaction. <i>Physical Review C</i> , 1999, 60, . | 2.9 | 19 |
| 202 | Evidence for Shears Bands in ^{108}Cd . <i>Physical Review C</i> , 1999, 61, . | 2.9 | 37 |
| 203 | Stable triaxiality at the highest spins in ^{138}Nd and ^{139}Nd . <i>Physical Review C</i> , 1999, 61, . | 2.9 | 42 |
| 204 | Termination of rotational bands: disappearance of quantum many-body collectivity. <i>Physics Reports</i> , 1999, 322, 1-124. | 25.6 | 293 |
| 205 | Non-yrast states and shape co-existence in light Pt isotopes. <i>Nuclear Physics A</i> , 1999, 657, 219-250. | 1.5 | 60 |
| 206 | Incomplete-fusion reactions for $\hat{\Gamma}^3$ -ray spectroscopy: Application to the study of high-spin states in [²³⁴ U.], 1999, . | | 0 |
| 207 | In-beam spectroscopy of ^{126}Ce and ^{127}Pr . <i>European Physical Journal A</i> , 1998, 3, 99-101. | 2.5 | 16 |
| 208 | Fragment yields from the fission of ^{238}U by fast neutrons. <i>European Physical Journal A</i> , 1998, 3, 205-207. | 2.5 | 21 |
| 209 | Magnetic rotation in ^{106}Sn and ^{108}Sn . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 428, 23-30. | 4.1 | 47 |
| 210 | Spectroscopy of ^{215}Ra : the shell model and enhanced E3 transitions. <i>Nuclear Physics A</i> , 1998, 641, 401-429. | 1.5 | 15 |
| 211 | First observation of excited states in ^{118}Ba : Possible evidence for octupole correlations in neutron-deficient barium isotopes. <i>Physical Review C</i> , 1998, 57, R1037-R1041. | 2.9 | 26 |
| 212 | Magnetic rotational bands in ^{108}Sb . <i>Physical Review C</i> , 1998, 58, 2703-2709. | 2.9 | 28 |
| 213 | Decreasing Collectivity in Smoothly Terminating Bands in the $A \approx 110$ Region. <i>Physical Review Letters</i> , 1998, 80, 1174-1177. | 7.8 | 49 |
| 214 | High-spin states, particle-hole structure, and linked smooth terminating bands in doubly odd ^{112}Sb . <i>Physical Review C</i> , 1998, 58, 127-149. | 2.9 | 22 |
| 215 | Observation of signature inversion in the $\hat{\Gamma}^{1/2}(h_{11/2}) \hat{\Gamma}^{\pi}(h_{11/2})$ band of ^{122}Cs . <i>Physical Review C</i> , 1998, 58, 3237-3242. | 2.9 | 15 |
| 216 | Intrinsic states and collective structures in ^{180}Ta . <i>Physical Review C</i> , 1998, 58, 1444-1466. | 2.9 | 47 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 217 | Octupole correlations at low spin in $^{52}108\text{Te}$. <i>Physical Review C</i> , 1998, 57, R1022-R1026. | 2.9 | 24 |
| 218 | Identification of excited states in ^{111}Te . <i>Physical Review C</i> , 1997, 55, 1559-1562. | 2.9 | 6 |
| 219 | Identification of excited states in doubly odd ^{110}Sb : Smooth band termination. <i>Physical Review C</i> , 1997, 55, R2127-R2131. | 2.9 | 29 |
| 220 | First observation of excited states in ^{118}Cs : signature inversion in the band. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 406, 7-13. | 4.1 | 16 |
| 221 | Intrinsic states and rotational bands in ^{175}Ta . <i>Nuclear Physics A</i> , 1996, 601, 195-233. | 1.5 | 22 |
| 222 | High-spin states in $^{121,122}\text{Te}$: Identification of favored noncollective oblate states. <i>Physical Review C</i> , 1996, 53, 1562-1570. | 2.9 | 25 |
| 223 | Configuration changes and hindered decays in four- and six-quasiparticle isomers in ^{178}Ta . <i>Physical Review C</i> , 1996, 54, R459-R463. | 2.9 | 14 |
| 224 | Measured Magnetic Moments and Shape Coexistence in the Neutron-Deficient Nuclei $^{184,186,188}\text{t}$. <i>Physical Review Letters</i> , 1996, 76, 2246-2249. | 7.8 | 32 |
| 225 | Shape coexistence in ^{185}Tl and ^{187}Tl – investigation of the deformed minima. <i>Nuclear Physics A</i> , 1995, 586, 316-350. | 1.5 | 39 |
| 226 | High-spin proton and neutron intruder configurations in ^{106}Cd . <i>Nuclear Physics A</i> , 1995, 586, 351-376. | 1.5 | 39 |
| 227 | High-spin states in ^{183}Hg and shape coexistence in the odd-mass mercury isotopes. <i>Nuclear Physics A</i> , 1995, 589, 129-159. | 1.5 | 24 |
| 228 | High-K structures in ^{136}Sm . <i>Physical Review C</i> , 1995, 51, 1745-1753. | 2.9 | 17 |
| 229 | $K^{\pi}=8^{-}$ isomer in ^{136}Sm . <i>Physical Review C</i> , 1994, 50, 480-482. | 2.9 | 14 |
| 230 | Non-yrast states and shape co-existence in ^{172}Os . <i>Nuclear Physics A</i> , 1994, 568, 90-106. | 1.5 | 35 |
| 231 | Deformed bands and prolate-oblate shape coexistence in ^{185}Tl and ^{187}Tl . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 324, 14-19. | 4.1 | 18 |
| 232 | Yrast isomers, multi-quasiparticle states and blocking in ^{176}Ta and ^{177}Ta . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 328, 16-21. | 4.1 | 30 |
| 233 | Yrast four-quasi-particle states in ^{182}W . <i>Nuclear Physics A</i> , 1994, 567, 414-430. | 1.5 | 13 |
| 234 | Octupole coupling and proton-neutron interactions in ^{214}Fr . <i>Nuclear Physics A</i> , 1994, 567, 445-476. | 1.5 | 23 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Backbending in ^{180}W : a t-band crossing. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 309, 17-22. | 4.1 | 50 |
| 236 | Transient fields for high-velocity ^{24}Mg in Fe. No evidence for heavy beam induced attenuations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 312, 40-45. | 4.1 | 3 |
| 237 | Anomalous band-crossings in the $N=57$ isotones ^{103}Pd and ^{105}Cd . <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1993, 19, L157-L162. | 3.6 | 28 |
| 238 | Spectroscopy and shell model interpretation of high-spin states in the $N = 126$ nucleus ^{214}Ra . <i>Nuclear Physics A</i> , 1992, 548, 159-188. | 1.5 | 24 |