Kai M Vetter

List of Publications by Year
in descending order

218 papers	5,331 citations	81743 39 h-index	118652 62 g-index
219 all docs	219 docs citations	219 times ranked	2724 citing authors

#	Article	IF	Citations
1	Characterization of a collimated neutron imager for low-rate fast neutron imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1026, 166230.	0.7	0
2	Deployment of a double scatter system for directional detection of background neutron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 992, 165029.	0.7	4
3	Neural Network Approaches for Mobile Spectroscopic Gamma-Ray Source Detection. Journal of Nuclear Engineering, 2021, 2, 190-206.	0.7	7
4	Free-moving Quantitative Gamma-ray Imaging. Scientific Reports, 2021, 11, 20515.	1.6	12
5	Attribution of gamma-ray background collected by a mobile detector system to its surroundings using panoramic video. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161126.	0.7	12
6	The Nuclear Legacy Today of Fukushima. Annual Review of Nuclear and Particle Science, 2020, 70, 257-292.	3.5	2
7	Initial results from the Majorana Demonstrator. Journal of Physics: Conference Series, 2020, 1342, 012023.	0.3	0
8	Spectral analysis for the Majorana Demonstrator experiment. Journal of Physics: Conference Series, 2020, 1342, 012026.	0.3	0
9	Progress Toward A 2Î½2Î2 Measurement For The Majorana Demonstrator. Journal of Physics: Conference Series, 2020, 1342, 012117.	0.3	0
10	Data quality assurance for the Majorana Demonstrator. Journal of Physics: Conference Series, 2020, 1342, 012123.	0.3	0
11	Design improvements to cables and connectors in the Majorana Demonstrator. Journal of Physics: Conference Series, 2020, 1342, 012129.	0.3	0
12	Collimatorless Scintigraphy for Imaging Extremely Low Activity Targeted Alpha Therapy (TAT) with Weighted Robust Least Squares (WRLS). Lecture Notes in Computer Science, 2020, 12267, 803-811.	1.0	3
13	Gamma-Ray Point-Source Localization and Sparse Image Reconstruction Using Poisson Likelihood. IEEE Transactions on Nuclear Science, 2019, 66, 2088-2099.	1.2	26
14	Real-Time Free-Moving Active Coded Mask 3D Gamma-Ray Imaging. IEEE Transactions on Nuclear Science, 2019, 66, 2252-2260.	1.2	23
15	Advances in Nuclear Radiation Sensing: Enabling 3-D Gamma-Ray Vision. Sensors, 2019, 19, 2541.	2.1	47
16	Non-negative Matrix Factorization of Gamma-Ray Spectra for Background Modeling, Detection, and Source Identification. IEEE Transactions on Nuclear Science, 2019, 66, 827-837.	1.2	18
17	Contamination control and assay results for the Majorana Demonstrator ultra clean components. AIP Conference Proceedings, 2018, , .	0.3	2
18	High resolution gamma-ray spectroscopy at high count rates with a prototype High Purity Germanium detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 886, 1-6.	0.7	15

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19	Low background materials and fabrication techniques for cables and connectors in the Majorana Demonstrator. AIP Conference Proceedings, 2018, , .	0.3	3
20	Search for Neutrinoless Double- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math> Decay in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ge</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>76</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> with the Majorana Demonstrator.	2.9	162
21	Gamma-Ray imaging for nuclear security and safety: Towards 3-D gamma-ray vision. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 878, 159-168.	0.7	68
22	The processing of enriched germanium for the MajoranaÂDemonstratorÂand R&D for a next generation double-beta decay experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 877, 314-322.	0.7	21
23	The Majorana Demonstrator Status and Preliminary Results. EPJ Web of Conferences, 2018, 178, 01006.	0.1	1
24	Evaluation of a Novel Multi-slit Collimated Detection System for Prompt Gamma-Ray Imaging During Proton Beam Therapy. , 2018, , .		1
25	Developing a diagnostic for energetic laser-Compton produced photon beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 903, 56-69.	0.7	5
26	White paper on nuclear astrophysics and low-energy nuclear physics, Part 2: Low-energy nuclear physics. Progress in Particle and Nuclear Physics, 2017, 94, 68-124.	5.6	20
27	Handheld real-time volumetric 3-D gamma-ray imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 857, 42-49.	0.7	47
28	Fast neutron background characterization with the Radiological Multi-sensor Analysis Platform (RadMAP). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 858, 106-112.	0.7	6
29	Muon flux measurements at the davis campus of the sanford underground research facility with the majorana demonstrator veto system. Astroparticle Physics, 2017, 93, 70-75.	1.9	21
30	THE MAJORANA DOUBLE BETA DECAY EXPERIMENT: PRESENT STATUS. , 2017, , 61-65.		0
31	The Majorana Demonstrator calibration system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 872, 16-22.	0.7	19
32	New Limits on Bosonic Dark Matter, Solar Axions, Pauli Exclusion Principle Violation, and Electron Decay from the Majorana Demonstrator. Physical Review Letters, 2017, 118, 161801.	2.9	69
33	Status of the MAJORANA DEMONSTRATOR. Physics of Particles and Nuclei, 2017, 48, 27-33.	0.2	0
34	COHERENT Experiment: current status. Journal of Physics: Conference Series, 2017, 798, 012213.	0.3	1
35	The status and initial results of the Majorana demonstrator experiment. AIP Conference Proceedings, 2017, , .	0.3	4
36	The large enriched germanium experiment for neutrinoless double beta decay (LEGEND). AIP Conference Proceedings, 2017, , .	0.3	126

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37	A Spherical Active Coded Aperture for $4pi $ Gamma-Ray Imaging. IEEE Transactions on Nuclear Science, 2017, 64, 2837-2842.	1.2	19
38	Omnidirectional 3D Gamma-ray Imaging with a Free-moving Spherical Active Coded Aperture. , 2017, , .		2
39	Initial Results from the Majorana Demonstrator. Journal of Physics: Conference Series, 2017, 888, 012035.	0.3	17
40	Advanced Concepts in Multi-Dimensional Radiation Detection and Imaging. , 2016, , .		1
41	Diagnostics of quasi mono-energetic photon sources in a single shot using CCD trackers. , 2016, , .		0
42	Optimization of a spherical active coded mask gamma-ray imager. , 2016, , .		3
43	Angular sensitivity of modeled scientific silicon charge-coupled devices to initial electron direction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 827, 18-23.	0.7	4
44	The Majorana Demonstrator radioassay program. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 828, 22-36.	0.7	86
45	Design of a transportable high efficiency fast neutron spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 826, 21-30.	0.7	12
46	Ultra-low noise mechanically cooled germanium detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 812, 17-23.	0.7	20
47	High voltage testing for the Majorana Demonstrator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 823, 83-90.	0.7	7
48	RadMAP: The Radiological Multi-sensor Analysis Platform. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 840, 59-68.	0.7	23
49	Measurement of High-Energy Neutron Flux Above Ground Utilizing a Spallation Based Multiplicity Technique. IEEE Transactions on Nuclear Science, 2016, 63, 2823-2829.	1.2	0
50	Search for Pauli exclusion principle violating atomic transitions and electron decay with a p-type point contact germanium detector. European Physical Journal C, 2016, 76, 1.	1.4	14
51	CsI(Na) Detector Array Characterization for ARES Program. IEEE Transactions on Nuclear Science, 2016, 63, 673-678.	1.2	4
52	Multi-sensor radiation detection, imaging, and fusion. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 805, 127-134.	0.7	19
53	High-spin yrast structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">Hg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>204</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>from the decay of a four-hole,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mn>22</mml:mn><mml:mo>+</mml:mo></mml:msup></mml:mr	1.1	11
54	A Dark Matter Search with MALBEK. Physics Procedia, 2015, 61, 77-84.	1.2	10

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55	Status of the Majorana Demonstrator. AIP Conference Proceedings, 2015, , .	0.3	2
56	Low background signal readout electronics for the MAJORANA DEMONSTRATOR. AIP Conference Proceedings, 2015, , .	0.3	1
57	Analysis techniques for background rejection at the MAJORANA DEMONSTRATOR. AIP Conference Proceedings, 2015, , .	0.3	0
58	Characterization of an advanced airborne radiation detector system for the ARES project. , 2015, , .		0
59	The MAJORANA DEMONSTRATOR for 0Î½2Î²2Î²2: Current Status and Future Plans. Physics Procedia, 2015, 61, 232-240.	1.2	1
60	Background Model for the Majorana Demonstrator. Physics Procedia, 2015, 61, 821-827.	1.2	4
61	Testing the Ge Detectors for the MAJORANA DEMONSTRATOR. Physics Procedia, 2015, 61, 807-815.	1.2	4
62	The Majorana Demonstrator: A Search for Neutrinoless Double-beta Decay of76Ge. Journal of Physics: Conference Series, 2015, 606, 012004.	0.3	7
63	Low Background Signal Readout Electronics for the Majorana Demonstrator. Journal of Physics: Conference Series, 2015, 606, 012009.	0.3	5
64	Status of the MAJORANA DEMONSTRATOR: A search for neutrinoless double-beta decay. International Journal of Modern Physics A, 2015, 30, 1530032.	0.5	0
65	The Majorana Parts Tracking Database. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 779, 52-62.	0.7	13
66	Inter-electrode charge collection in high-purity germanium detectors with amorphous semiconductor contacts. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 781, 20-25.	0.7	2
67	Leakage current in high-purity germanium detectors with amorphous semiconductor contacts. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 777, 138-147.	0.7	15
68	Status of the Majorana Demonstrator. Nuclear and Particle Physics Proceedings, 2015, 265-266, 70-72.	0.2	0
69	A prototype High Purity Germanium detector for high resolution gamma-ray spectroscopy at high count rates. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 795, 167-173.	0.7	15
70	MAJORANA Collaboration's Experience with Germanium Detectors. Journal of Physics: Conference Series, 2015, 606, 012005.	0.3	6
71	Impact of detector efficiency and energy resolution on gamma-ray background rejection in mobile spectroscopy and imaging systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 789, 128-133.	0.7	3
72	The Majorana Low-noise Low-background Front-end Electronics. Physics Procedia, 2015, 61, 654-657.	1.2	11

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73	Sensor fusion for semantic segmentation of urban scenes. , 2015, , .		65
74	A Filtered Back-Projection Algorithm for 4Ï€ Compton Camera Data. IEEE Transactions on Nuclear Science, 2015, 62, 1911-1917.	1.2	13
75	Scene data fusion: Real-time standoff volumetric gamma-ray imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 800, 65-69.	0.7	39
76	Advanced Concepts in Multi-dimensional Radiation Detection and Imaging. NATO Science for Peace and Security Series B: Physics and Biophysics, 2015, , 179-192.	0.2	9
77	Status of the Majorana Demonstrator experiment. AIP Conference Proceedings, 2014, , .	0.3	2
78	Gamma-ray momentum reconstruction from Compton electron trajectories by filtered back-projection. Applied Physics Letters, 2014, 105, .	1.5	5
79	The MAJORANA DEMONSTRATOR Neutrinoless Double-Beta Decay Experiment. Advances in High Energy Physics, 2014, 2014, 1-18.	0.5	158
80	Neganovâ€“Luke Phonon Amplification in P-type Point Contact Detectors. Journal of Low Temperature Physics, 2014, 176, 209-215.	0.6	2
81	Effects of Background on Gamma-Ray Detection for Mobile Spectroscopy and Imaging Systems. IEEE Transactions on Nuclear Science, 2014, 61, 985-991.	1.2	14
82	The Majorana Demonstrator: Progress towards showing the feasibility of a tonneâ€“scale⁷⁶Ge neutrinoless doubleâ€“beta decay experiment. Journal of Physics: Conference Series, 2014, 485, 012042.	0.3	1
83	CCD-based diagnostics for pulsed MeV photon beams. , 2014, , .		1
84	The Gamma-Ray Imaging Framework. IEEE Transactions on Nuclear Science, 2013, 60, 528-532.	1.2	3
85	Proximity Electrode Signal Readout of High-Purity Ge Detectors. IEEE Transactions on Nuclear Science, 2013, 60, 1213-1218.	1.2	8
86	Characteristics of signals originating near the lithium-diffused N+ contact of high purity germanium p-type point contact detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 701, 176-185.	0.7	46
87	Experimental Benchmark of Electron Trajectory Reconstruction Algorithm for Advanced Compton Imaging. IEEE Transactions on Nuclear Science, 2013, 60, 2308-2313.	1.2	8
88	Routine Surveys for Gamma-Ray Background Characterization. IEEE Transactions on Nuclear Science, 2013, 60, 1147-1150.	1.2	16
89	Unbiased and biased estimators in coded aperture imaging for far field standoff detection at low count rates. Applied Optics, 2013, 52, 5478.	0.9	0
90	The Majorana Demonstrator: A search for neutrinoless double-beta decay of germanium-76. , 2013, , .		1

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91	Editorial Conference Comments by the Editors. IEEE Transactions on Nuclear Science, 2013, 60, 480-481.	1.2	0
92	Relations between system matrices and the complete data space in MLEM using the Kullback-Leibler distance. , 2013, , .		0
93	The Majorana Demonstrator: A search for neutrinoless double-beta decay of germanium-76. , 2012, , .		0
94	Dark matter sensitivities of the Majorana Demonstrator. Journal of Physics: Conference Series, 2012, 375, 012014.	0.3	6
95	The Majorana Demonstrator: A Search for Neutrinoless Double-beta Decay of Germanium-76. Journal of Physics: Conference Series, 2012, 375, 042010.	0.3	19
96	The MAJORANA experiment: an ultra-low background search for neutrinoless double-beta decay. Journal of Physics: Conference Series, 2012, 381, 012044.	0.3	14
97	Band structure of235U. Physical Review C, 2012, 86, .	1.1	4
98	Real-time radioactive source localization with a moving coded-aperture detector system at low count rates. , 2012, , .		3
99	Determining the drift time of charge carriers in p-type point-contact HPGe detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 678, 98-104.	0.7	19
100	The Majorana Experiment. , 2011, , .		2
101	Astroparticle physics with a customized low-background broad energy Germanium detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 692-695.	0.7	12
102	First demonstration of electron-tracking based Compton imaging in solid-state detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 599-601.	0.7	13
103	Reconstruction of electron trajectories in high-resolution Si devices for advanced Compton imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 595-598.	0.7	16
104	Impact of measuring electron tracks in high-resolution scientific charge-coupled devices within Compton imaging systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 244-249.	0.7	7
105	Low-noise low-mass front end electronics for low-background physics experiments using germanium detectors. , 2011, , .		13
106	The Majorana Experiment. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 44-46.	0.5	34
107	The Machine Vision Radiation Detection System. , 2011, , .		3
108	Measurements of Fukushima fallout by the Berkeley Radiological Air and Water Monitoring project. , 2011, , .		6

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109	Proximity localization with the Mobile Imaging and Spectroscopic Threat Identification (MISTI) system. , 2011, , .		5
110	Status of the High Efficiency Multimode Imager. , 2011, , .		2
111	The MAJORANA Project. Journal of Physics: Conference Series, 2010, 203, 012057.	0.3	9
112	Detector design for high-resolution MeV photon imaging of cargo containers using spectralinformation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 624, 635-640.	0.7	2
113	Electron-track Compton imaging using high-resolution charge-coupled devices. , 2010, , .		0
114	Detector module development for the High Efficiency Multimode Imager. , 2009, , .		8
115	First results of the High Efficiency Multi-mode Imager (HEMI). , 2009, , .		8
116	The MAJORANA DEMONSTRATOR: An R&D project towards a tonne-scale germanium neutrinoless double-beta decay search. , 2009, , .		12
117	Standoff 3D Gamma-Ray Imaging. IEEE Transactions on Nuclear Science, 2009, 56, 479-486.	1.2	34
118	The MAJORANA Project. Journal of Physics: Conference Series, 2009, 173, 012007.	0.3	16
119	Evaluation of radioactive background rejection in 76Ge neutrino-less double-beta decay experiments using a highly segmented HPGe detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 587, 60-67.	0.7	8
120	Performance of a Facility for Measuring Scintillator Non-Proportionality. IEEE Transactions on Nuclear Science, 2008, 55, 1073-1078.	1.2	53
121	The MAJORANA Neutrinoless Double-Beta Decay Experiment. , 2008, , .		12
122	Design of a Facility for Measuring Scintillator Non-Proportionality. IEEE Transactions on Nuclear Science, 2008, 55, 1753-1758.	1.2	55
123	Spin dependence ofKmixing, strong configuration mixing, and electromagnetic properties ofHf178. Physical Review C, 2007, 75, .	1.1	16
124	Collective rotation and vibration in neutron-richHf180,182nuclei. Physical Review C, 2007, 75, .	1.1	23
125	Recent Developments in the Fabrication and Operation of Germanium Detectors. Annual Review of Nuclear and Particle Science, 2007, 57, 363-404.	3.5	55
126	High-sensitivity Compton imaging with position-sensitive Si and Ge detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 363-366.	0.7	60

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127	SPEIR: A Ge Compton camera. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 570, 89-100.	0.7	48
128	Spectroscopy of neutron-rich Pd and Cd isotopes near A=120. Nuclear Physics A, 2007, 787, 455-462.	0.6	39
129	Violations of K-Conservation in 178Hf. AIP Conference Proceedings, 2006, , .	0.3	0
130	Progress in evaluation of multi-site rejection techniques in a highly segmented HPGe detector in a low-background environment. , 2006, , .		0
131	Breakdown ofKSelection inHf178. Physical Review Letters, 2006, 96, 042505.	2.9	23
132	Evidence for possible shape transitions in neutron-rich Ru isotopes: Spectroscopy ofRu109,110,111,112. Physical Review C, 2006, 73, .	1.1	48
133	High-spin isomers and three-neutron valence configurations in 211Pb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 606, 34-42.	1.5	22
134	Gamma-ray imaging with a coaxial HPGe detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 553, 501-511.	0.7	19
135	The proposed Majorana 76Ge double-beta decay experiment. Nuclear Physics, Section B, Proceedings Supplements, 2005, 138, 217-220.	0.5	48
136	In-beam measurement of the position resolution of a highly segmented coaxial germanium detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 553, 535-542.	0.7	32
137	Aspects Of The Coriolis Interaction In 235U. AIP Conference Proceedings, 2005, , .	0.3	1
138	Investigation of antimagnetic rotation in light Cadmium nuclei:Cd106,108. Physical Review C, 2005, 72, .	1.1	49
139	Large-volume Si(Li) orthogonal-strip detectors for Compton-effect-based instruments. IEEE Transactions on Nuclear Science, 2005, 52, 3181-3185.	1.2	11
140	Multifaceted yrast structure and the onset of deformation inSr96,97andZr98,99. Physical Review C, 2004, 70, .	1.1	75
141	Rotational bands in neutron-richEr169,171,172. Physical Review C, 2004, 70, .	1.1	12
142	High-angular-momentum structures inZn64. Physical Review C, 2004, 69, .	1.1	21
143	High-spin study of rotational structures inBr72. Physical Review C, 2004, 69, .	1.1	6
144	Triaxiality and the alignedh11âˆ•2neutron orbitals in neutron-rich Zr and Mo isotopes. Physical Review C, 2004, 69, .	1.1	153

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145	The majorana neutrinoless double-beta decay experiment. Physics of Atomic Nuclei, 2004, 67, 2002-2010.	0.1	33
146	Gamma-ray imaging with position-sensitive HPGe detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 525, 322-327.	0.7	40
147	High-spin structure of $Nsimeq Z$ nuclei around the A = 72 region. European Physical Journal A, 2003, 20, 131-132.	1.0	10
148	The sudden onset of the band crossing for the aligned Ï€g9/2 orbitals: a possible transition of a triaxial shape from prolate to oblate?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 562, 201-207.	1.5	36
149	Developments in large gamma-ray detector arrays. Reports on Progress in Physics, 2003, 66, 1095-1144.	8.1	93
150	KÏ€=4â^'isomers and their rotational bands inEr168,170. Physical Review C, 2003, 68, .	1.1	19
151	Evidence for a New Type of Shears Mechanism inCd106. Physical Review Letters, 2003, 91, 162501.	2.9	68
152	Excited structure with a very extended shape in108Cd. Physical Review C, 2002, 65, .	1.1	9
153	High-spin states in103,105Mo,103Nb,and theÎ½h11/2alignment. Physical Review C, 2002, 65, .	1.1	31
154	Rotational Damping in Ytterbium Nuclei. Physical Review Letters, 2002, 88, 142501.	2.9	13
155	Coulomb Excitation Paths of High-KIsomer Bands inH178f. Physical Review Letters, 2002, 89, 242501.	2.9	26
156	Gamma-ray tracking: New opportunities for nuclear physics. Nuclear Physics News, 2002, 12, 15-20.	0.1	6
157	Search for the Jacobi shape transition in rapidly rotating nuclei. Physical Review C, 2002, 66, .	1.1	16
158	Treatment Planning for Molecular Targeted Radionuclide Therapy. Cancer Biotherapy and Radiopharmaceuticals, 2002, 17, 267-280.	0.7	14
159	Gamma-ray tracking: Utilizing new concepts in the detection of gamma-radiation. European Physical Journal A, 2002, 15, 265-269.	1.0	3
160	Lifetimes of superdeformed rotational states in36Ar. Physical Review C, 2001, 63, .	1.1	71
161	Spectroscopy of 112Pd using heavy-ion-induced fission. European Physical Journal A, 2001, 10, 151-155.	1.0	24
162	Magnetic rotation in 197Pb and 198Pb. Nuclear Physics A, 2001, 683, 108-144.	0.6	38

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163	Collective rotational motion in the N=Z nucleus 36Ar. Nuclear Physics A, 2001, 682, 1-11.	0.6	18
164	Structure of exotic nuclei near and above 208Pb populated via deep-inelastic collisions. Nuclear Physics A, 2001, 682, 71-78.	0.6	30
165	GRETA: The proof-of-principle for gamma-ray tracking. Nuclear Physics A, 2001, 682, 286-294.	0.6	12
166	Gamma-ray Compton camera imaging with a segmented HPGe. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 459, 565-576.	0.7	24
167	Electromagnetic properties of the rotationally aligned band in162Dy. Physical Review C, 2001, 64, .	1.1	25
168	Very Extended Shapes in theAâˆ¼110Region. Physical Review Letters, 2001, 87, 202502.	2.9	19
169	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.	0.7	106
170	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.	0.7	76
171	Collective T=0 pairing in N=Z nuclei? Pairing vibrations around 56Ni revisited. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 480, 1-6.	1.5	45
172	Search for magnetic rotation in 202Pb and 203Pb. European Physical Journal A, 2000, 9, 161-164.	1.0	9
173	Entry Distribution, Fission Barrier, and Formation Mechanism ofN102254o. Physical Review Letters, 2000, 84, 3542-3545.	2.9	102
174	Band structure of68Ge. Physical Review C, 2000, 63, .	1.1	31
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176	Complex band interactions in170Er. Physical Review C, 2000, 61, .	1.1	24
177	Shears mechanism in109Cd. Physical Review C, 2000, 61, .	1.1	70
178	Yrast and near-yrast excitations up to high spin inâ€‚48100Cd52. Physical Review C, 2000, 61, .	1.1	18
179	Observation ofÎ½h11/2sequences in oddAâˆ¼110nuclei. Physical Review C, 2000, 61, .	1.1	33
180	Superdeformation in theN=ZNucleus36Ar: Experimental, Deformed Mean Field, and Spherical Shell Model Descriptions. Physical Review Letters, 2000, 85, 2693-2696.	2.9	143

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