

Kai M Vetter

List of Publications by Year in descending order

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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	Ground-State Band and Deformation of the $Z=102$ Isotope $N254o$. Physical Review Letters, 1999, 82, 509-512. Search for Neutrinoless Double- β Decay in ^{76}Ge .	2.9	191
2	The MAJORANA DEMONSTRATOR Neutrinoless Double-Beta Decay Experiment. Advances in High Energy Physics, 2014, 2014, 1-18.	0.5	158
3	Triaxiality and the aligned $h_{11/2}$ neutron orbitals in neutron-rich Zr and Mo isotopes. Physical Review C, 2004, 69, .	1.1	153
4	GRETA: utilizing new concepts in β -ray detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 430, 292-310.	0.7	150
5	Superdeformation in the $N=Z$ Nucleus ^{36}Ar : Experimental, Deformed Mean Field, and Spherical Shell Model Descriptions. Physical Review Letters, 2000, 85, 2693-2696.	2.9	143
6	The large enriched germanium experiment for neutrinoless double beta decay (LEGEND). AIP Conference Proceedings, 2017, .	0.3	126
7	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
8	Entry Distribution, Fission Barrier, and Formation Mechanism of $N102254o$. Physical Review Letters, 2000, 84, 3542-3545.	2.9	102
9	A β -ray tracking algorithm for the GRETA spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 430, 69-83.	0.7	95
10	Developments in large gamma-ray detector arrays. Reports on Progress in Physics, 2003, 66, 1095-1144.	8.1	93
11	Evidence for \hbar Magnetic Rotation in Nuclei: Lifetimes of States in the $M1$ bands of $^{198,199}\text{Pb}$. Physical Review Letters, 1997, 78, 1868-1871.	2.9	91
12	Is there pairing in $N=Z$ nuclei?. Physical Review C, 2000, 61, .	1.1	89
13	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
14	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
15	Multifaceted yrast structure and the onset of deformation in $^{96,97}\text{Sr}$ and $^{98,99}\text{Zr}$. Physical Review C, 2004, 70, .	1.1	75
16	Shears Mechanism in the $A \approx 110$ Region. Physical Review Letters, 1999, 82, 3220-3223.	2.9	74
17	Semiclassical description of the shears mechanism and the role of effective interactions. Physical Review C, 1998, 57, R1073-R1076.	1.1	73

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19	Lifetimes of superdeformed rotational states in ^{36}Ar . <i>Physical Review C</i> , 2001, 63, .	1.1	71
20	Shears mechanism in ^{109}Cd . <i>Physical Review C</i> , 2000, 61, .	1.1	70
21	New Limits on Bosonic Dark Matter, Solar Axions, Pauli Exclusion Principle Violation, and Electron Decay from the Majorana Demonstrator. <i>Physical Review Letters</i> , 2017, 118, 161801.	2.9	69
22	Evidence for a New Type of Shears Mechanism in ^{106}Cd . <i>Physical Review Letters</i> , 2003, 91, 162501.	2.9	68
23	Gamma-Ray imaging for nuclear security and safety: Towards 3-D gamma-ray vision. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 878, 159-168.	0.7	68
24	Sensor fusion for semantic segmentation of urban scenes. , 2015, , .		65
25	High-sensitivity Compton imaging with position-sensitive Si and Ge detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 579, 363-366.	0.7	60
26	Recent Developments in the Fabrication and Operation of Germanium Detectors. <i>Annual Review of Nuclear and Particle Science</i> , 2007, 57, 363-404.	3.5	55
27	Design of a Facility for Measuring Scintillator Non-Proportionality. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 1753-1758.	1.2	55
28	Performance of a Facility for Measuring Scintillator Non-Proportionality. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 1073-1078.	1.2	53
29	Investigation of antimagnetic rotation in light Cadmium nuclei: ^{106}Cd , ^{108}Cd . <i>Physical Review C</i> , 2005, 72, .	1.1	49
30	The proposed Majorana ^{76}Ge double-beta decay experiment. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2005, 138, 217-220.	0.5	48
31	Evidence for possible shape transitions in neutron-rich Ru isotopes: Spectroscopy of ^{109}Ru , ^{110}Ru , ^{111}Ru , ^{112}Ru . <i>Physical Review C</i> , 2006, 73, .	1.1	48
32	SPEIR: A Ge Compton camera. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 570, 89-100.	0.7	48
33	Shears mechanism and particle-vibration coupling. <i>Physical Review C</i> , 1998, 58, R621-R623.	1.1	47
34	Handheld real-time volumetric 3-D gamma-ray imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 857, 42-49.	0.7	47
35	Advances in Nuclear Radiation Sensing: Enabling 3-D Gamma-Ray Vision. <i>Sensors</i> , 2019, 19, 2541.	2.1	47
36	Characteristics of signals originating near the lithium-diffused N^+ contact of high purity germanium p-type point contact detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 701, 176-185.	0.7	46

#	ARTICLE	IF	CITATIONS
37	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.	1.5	45
38	The shears mechanism in the lead isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 440, 251-256.	1.5	42
39	Spin yields of neutron-rich nuclei from deep inelastic reactions. Physical Review C, 1999, 60, .	1.1	40
40	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
41	Spectroscopy of neutron-rich Pd and Cd isotopes near A=120. Nuclear Physics A, 2007, 787, 455-462.	0.6	39
42	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
43	Magnetic rotation in ^{197}Pb and ^{198}Pb . Nuclear Physics A, 2001, 683, 108-144.	0.6	38
44	Analysis of simulated and measured pulse shapes of closed-ended HPGe detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 371, 489-496.	0.7	37
45	Evidence for Shears Bands in ^{108}Cd . Physical Review C, 1999, 61, .	1.1	37
46	The sudden onset of the band crossing for the aligned $\pi g_{9/2}$ 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
47	Test of $\pi I=2$ staggering in the superdeformed bands of ^{194}Hg . Physical Review C, 1996, 54, R2109-R2113.	1.1	34
48	Standoff 3D Gamma-Ray Imaging. IEEE Transactions on Nuclear Science, 2009, 56, 479-486.	1.2	34
49	The Majorana Experiment. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 44-46.	0.5	34
50	Observation of $\pi^{1/2}h_{11/2}$ sequences in odd $A \approx 110$ nuclei. Physical Review C, 2000, 61, .	1.1	33
51	The majorana neutrinoless double-beta decay experiment. Physics of Atomic Nuclei, 2004, 67, 2002-2010.	0.1	33
52	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
53	Band structure of ^{68}Ge . Physical Review C, 2000, 63, .	1.1	31
54	High-spin states in $^{103,105}\text{Mo}$, ^{103}Nb , and the $\pi^{1/2}h_{11/2}$ alignment. Physical Review C, 2002, 65, .	1.1	31

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55	Structure of exotic nuclei near and above 208Pb populated via deep-inelastic collisions. Nuclear Physics A, 2001, 682, 71-78.	0.6	30
56	Decay out of the superdeformed band in 194Pb: Electromagnetic properties. Physical Review C, 1997, 55, R1625-R1629.	1.1	29
57	The competition between the shears mechanism and core rotation in a classical particles-plus-rotor model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 450, 1-6.	1.5	29
58	Coulomb Excitation Paths of High-K Isomer Bands in 178f. Physical Review Letters, 2002, 89, 242501.	2.9	26
59	Gamma-Ray Point-Source Localization and Sparse Image Reconstruction Using Poisson Likelihood. IEEE Transactions on Nuclear Science, 2019, 66, 2088-2099.	1.2	26
60	Electromagnetic properties of the rotationally aligned band in 162Dy. Physical Review C, 2001, 64, .	1.1	25
61	Gamma-ray polarization sensitivity of the Gammasphere segmented germanium detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 417, 95-110.	0.7	24
62	Lifetimes near the bandhead of a shears band in 198Pb. Physical Review C, 1998, 58, R1876-R1879.	1.1	24
63	Complex band interactions in 170Er. Physical Review C, 2000, 61, .	1.1	24
64	Spectroscopy of 112Pd using heavy-ion-induced fission. European Physical Journal A, 2001, 10, 151-155.	1.0	24
65	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
66	vh11/2 bands in 113Pd and 115Pd. Physical Review C, 1999, 60, .	1.1	23
67	Breakdown of K selection in 178. Physical Review Letters, 2006, 96, 042505.	2.9	23
68	Collective rotation and vibration in neutron-rich 180,182 nuclei. Physical Review C, 2007, 75, .	1.1	23
69	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
70	Real-Time Free-Moving Active Coded Mask 3D Gamma-Ray Imaging. IEEE Transactions on Nuclear Science, 2019, 66, 2252-2260.	1.2	23
71	Structure of superdeformed bands in 195Hg. Physical Review C, 1997, 55, 148-154.	1.1	22
72	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

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73	Rotational-like properties of the shears bands. <i>Physical Review C</i> , 1998, 58, 3746-3748.	1.1	21
74	Production and spectroscopy of the neutron-rich nucleus ^{166}Dy . <i>Physical Review C</i> , 1998, 57, 3466-3469.	1.1	21
75	High-angular-momentum structures in ^{64}Zn . <i>Physical Review C</i> , 2004, 69, .	1.1	21
76	Muon flux measurements at the davis campus of the sanford underground research facility with the majorana demonstrator veto system. <i>Astroparticle Physics</i> , 2017, 93, 70-75.	1.9	21
77	The processing of enriched germanium for the Majorana Demonstrator and R&D for a next generation double-beta decay experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 877, 314-322.	0.7	21
78	Fragmentation of the two-phonon octupole vibrational states in ^{208}Pb . <i>Physical Review C</i> , 1998, 58, R2631-R2635.	1.1	20
79	Ultra-low noise mechanically cooled germanium detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 812, 17-23.	0.7	20
80	White paper on nuclear astrophysics and low-energy nuclear physics, Part 2: Low-energy nuclear physics. <i>Progress in Particle and Nuclear Physics</i> , 2017, 94, 68-124.	5.6	20
81	Very Extended Shapes in the ^{110}Zr Region. <i>Physical Review Letters</i> , 2001, 87, 202502.	2.9	19
82	$\pi=4$ isomers and their rotational bands in $^{168,170}\text{Er}$. <i>Physical Review C</i> , 2003, 68, .	1.1	19
83	Gamma-ray imaging with a coaxial HPGe detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 553, 501-511.	0.7	19
84	The Majorana Demonstrator: A Search for Neutrinoless Double-beta Decay of Germanium-76. <i>Journal of Physics: Conference Series</i> , 2012, 375, 042010.	0.3	19
85	Determining the drift time of charge carriers in p-type point-contact HPGe detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 678, 98-104.	0.7	19
86	Multi-sensor radiation detection, imaging, and fusion. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 805, 127-134.	0.7	19
87	The Majorana Demonstrator calibration system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 872, 16-22.	0.7	19
88	A Spherical Active Coded Aperture for 4π Gamma-Ray Imaging. <i>IEEE Transactions on Nuclear Science</i> , 2017, 64, 2837-2842.	1.2	19
89	Yrast and near-yrast excitations up to high spin in ^{100}Cd . <i>Physical Review C</i> , 2000, 61, .	1.1	18
90	Collective rotational motion in the N=Z nucleus ^{36}Ar . <i>Nuclear Physics A</i> , 2001, 682, 1-11.	0.6	18

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91	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
92	Comparative quadrupole moments of superdeformed bands in $^{193}\text{a}^{\sim}196\text{Pb}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 14-20.	1.5	17
93	Initial Results from the Majorana Demonstrator. Journal of Physics: Conference Series, 2017, 888, 012035.	0.3	17
94	Origin of unit alignment in superdeformed bands in $\text{A}^{\wedge}190$ nuclei. Physical Review C, 1999, 60, .	1.1	16
95	Search for the Jacobi shape transition in rapidly rotating nuclei. Physical Review C, 2002, 66, .	1.1	16
96	Spin dependence of K mixing, strong configuration mixing, and electromagnetic properties of $\text{Hf}178$. Physical Review C, 2007, 75, .	1.1	16
97	The MAJORANA Project. Journal of Physics: Conference Series, 2009, 173, 012007.	0.3	16
98	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
99	Routine Surveys for Gamma-Ray Background Characterization. IEEE Transactions on Nuclear Science, 2013, 60, 1147-1150.	1.2	16
100	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
101	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
102	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
103	Treatment Planning for Molecular Targeted Radionuclide Therapy. Cancer Biotherapy and Radiopharmaceuticals, 2002, 17, 267-280.	0.7	14
104	The MAJORANA experiment: an ultra-low background search for neutrinoless double-beta decay. Journal of Physics: Conference Series, 2012, 381, 012044.	0.3	14
105	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
106	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
107	Lifetime measurements of yrast and excited superdeformed bands in $^{192,193}\text{Hg}$. Physical Review C, 1998, 57, R1017-R1021.	1.1	13
108	Rotational Damping in Ytterbium Nuclei. Physical Review Letters, 2002, 88, 142501.	2.9	13

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109	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
110	Low-noise low-mass front end electronics for low-background physics experiments using germanium detectors. , 2011, , .		13
111	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
112	A Filtered Back-Projection Algorithm for 4π Compton Camera Data. IEEE Transactions on Nuclear Science, 2015, 62, 1911-1917.	1.2	13
113	Transient field measurements on 40Ar ions in Gd at the 1s electron Bohr velocity and the g-factor of the 2+ state at 1.461 MeV. Nuclear Physics A, 1992, 549, 304-312.	0.6	12
114	GRETA: The proof-of-principle for gamma-ray tracking. Nuclear Physics A, 2001, 682, 286-294.	0.6	12
115	Rotational bands in neutron-rich Er169,171,172. Physical Review C, 2004, 70, .	1.1	12
116	The MAJORANA Neutrinoless Double-Beta Decay Experiment. , 2008, , .		12
117	The MAJORANA DEMONSTRATOR: An R&D project towards a tonne-scale germanium neutrinoless double-beta decay search. , 2009, , .		12
118	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
119	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
120	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
121	Free-moving Quantitative Gamma-ray Imaging. Scientific Reports, 2021, 11, 20515.	1.6	12
122	Lifetime of the two-phonon vibrational state in 232Th. Zeitschrift für Physik A, 1995, 351, 143-147.	0.9	11
123	Octupole vibrations and signature splitting in even mass Hg superdeformed bands. Physical Review C, 1997, 55, R999-R1001.	1.1	11
124	Large-volume Si(Li) orthogonal-strip detectors for Compton-effect-based instruments. IEEE Transactions on Nuclear Science, 2005, 52, 3181-3185.	1.2	11
125	High-spin yrast structure of ^{204}Hg from the decay of a four-hole. ^{222}Rn	1.1	11
126	The Majorana Low-noise Low-background Front-end Electronics. Physics Procedia, 2015, 61, 654-657.	1.2	11

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127	Search for hyperdeformation in ^{168}Yb . <i>Physical Review C</i> , 1997, 56, 2502-2507.	1.1	10
128	Spectroscopy of ^{200}Hg after incomplete fusion reaction. <i>European Physical Journal A</i> , 1999, 6, 141-147.	1.0	10
129	High-spin structure of $Z \approx N$ nuclei around the $A = 72$ region. <i>European Physical Journal A</i> , 2003, 20, 131-132.	1.0	10
130	A Dark Matter Search with MALBEK. <i>Physics Procedia</i> , 2015, 61, 77-84.	1.2	10
131	Search for magnetic rotation in ^{202}Pb and ^{203}Pb . <i>European Physical Journal A</i> , 2000, 9, 161-164.	1.0	9
132	Excited structure with a very extended shape in ^{108}Cd . <i>Physical Review C</i> , 2002, 65, .	1.1	9
133	The MAJORANA Project. <i>Journal of Physics: Conference Series</i> , 2010, 203, 012057.	0.3	9
134	Advanced Concepts in Multi-dimensional Radiation Detection and Imaging. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2015, , 179-192.	0.2	9
135	Quadrupole moments of superdeformed bands in ^{193}Tl . <i>European Physical Journal A</i> , 1999, 5, 367-370.	1.0	8
136	Evaluation of radioactive background rejection in ^{76}Ge neutrino-less double-beta decay experiments using a highly segmented HPGe detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 587, 60-67.	0.7	8
137	Detector module development for the High Efficiency Multimode Imager. , 2009, , .		8
138	First results of the High Efficiency Multi-mode Imager (HEMI). , 2009, , .		8
139	Proximity Electrode Signal Readout of High-Purity Ge Detectors. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 1213-1218.	1.2	8
140	Experimental Benchmark of Electron Trajectory Reconstruction Algorithm for Advanced Compton Imaging. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 2308-2313.	1.2	8
141	Transient field measurements on $^{32}\text{S}(21^+)$ ions in Gd at the $1s$ electron Bohr velocity. <i>Zeitschrift für Physik A</i> , 1993, 345, 1-5.	0.9	7
142	Gamma-ray cluster identification in a spherical shell of highly segmented germanium detectors. <i>IEEE Transactions on Nuclear Science</i> , 1997, 44, 975-978.	1.2	7
143	Impact of measuring electron tracks in high-resolution scientific charge-coupled devices within Compton imaging systems. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 654, 244-249.	0.7	7
144	The Majorana Demonstrator: A Search for Neutrinoless Double-beta Decay of ^{76}Ge . <i>Journal of Physics: Conference Series</i> , 2015, 606, 012004.	0.3	7

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145	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
146	Neural Network Approaches for Mobile Spectroscopic Gamma-Ray Source Detection. Journal of Nuclear Engineering, 2021, 2, 190-206.	0.7	7
147	Coulomb excitation of the $\epsilon=8^+$ isomer in ^{178}Hf . Physical Review C, 1993, 48, 2517-2519.	1.1	6
148	Population and detection of two-phonon octupole vibrational states in ^{208}Pb . Physical Review C, 1997, 56, 2316-2319.	1.1	6
149	Gamma-ray tracking: New opportunities for nuclear physics. Nuclear Physics News, 2002, 12, 15-20.	0.1	6
150	High-spin study of rotational structures in ^{72}Br . Physical Review C, 2004, 69, .	1.1	6
151	First-Generation Hybrid Compact Compton Imager. , 0, , .		6
152	Measurements of Fukushima fallout by the Berkeley Radiological Air and Water Monitoring project. , 2011, , .		6
153	Dark matter sensitivities of the Majorana Demonstrator. Journal of Physics: Conference Series, 2012, 375, 012014.	0.3	6
154	MAJORANA Collaboration's Experience with Germanium Detectors. Journal of Physics: Conference Series, 2015, 606, 012005.	0.3	6
155	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
156	Proximity localization with the Mobile Imaging and Spectroscopic Threat Identification (MISTI) system. , 2011, , .		5
157	Gamma-ray momentum reconstruction from Compton electron trajectories by filtered back-projection. Applied Physics Letters, 2014, 105, .	1.5	5
158	Low Background Signal Readout Electronics for the Majorana Demonstrator. Journal of Physics: Conference Series, 2015, 606, 012009.	0.3	5
159	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
160	Band structure of ^{235}U . Physical Review C, 2012, 86, .	1.1	4
161	Background Model for the Majorana Demonstrator. Physics Procedia, 2015, 61, 821-827.	1.2	4
162	Testing the Ge Detectors for the MAJORANA DEMONSTRATOR. Physics Procedia, 2015, 61, 807-815.	1.2	4

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163	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
164	CsI(Na) Detector Array Characterization for ARES Program. IEEE Transactions on Nuclear Science, 2016, 63, 673-678.	1.2	4
165	The status and initial results of the Majorana demonstrator experiment. AIP Conference Proceedings, 2017, , .	0.3	4
166	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
167	A position sensitive gas counter with resistive layer cathode decoded by a neural network algorithm. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 344, 607-610.	0.7	3
168	Isotopic yields of neutron-rich nuclei from deep-inelastic reactions. Physical Review C, 1999, 61, .	1.1	3
169	Gamma-ray tracking: Utilizing new concepts in the detection of gamma-radiation. European Physical Journal A, 2002, 15, 265-269.	1.0	3
170	The Machine Vision Radiation Detection System. , 2011, , .		3
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172	The Gamma-Ray Imaging Framework. IEEE Transactions on Nuclear Science, 2013, 60, 528-532.	1.2	3
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