

Matthew P Green

List of Publications by Year in descending order

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74
papers

2,311
citations

331670

21
h-index

206112

48
g-index

74
all docs

74
docs citations

74
times ranked

1773
citing authors

#	ARTICLE	IF	CITATIONS
1	Signatures of muonic activation in the Majorana Demonstrator. Physical Review C, 2022, 105, .	2.9	1
2	α -event characterization and rejection in point-contact HPGe detectors. European Physical Journal C, 2022, 82, 226.	3.9	9
3	First Measurement of Coherent Elastic Neutrino-Nucleus Scattering on Argon. Physical Review Letters, 2021, 126, 012002.	7.8	117
4	Search for double- β decay of ^{76}Ge to excited states of ^{76}Se . Physical Review C, 2019, 100, .	2.9	9
5	ADC Nonlinearity Correction for the Majorana Demonstrator. IEEE Transactions on Nuclear Science, 2021, 68, 359-367.	2.0	8
6	Development of a ^{83}mKr source for the calibration of the CENNS-10 liquid argon detector. Journal of Instrumentation, 2021, 16, P04002.	1.2	2
7	Investigation of ASIC-based signal readout electronics for LEGEND-1000. Journal of Instrumentation, 2020, 15, P09022-P09022.	1.2	6
8	Sensitivity of the COHERENT experiment to accelerator-produced dark matter. Physical Review D, 2020, 102, .	4.7	28
9	Search for neutrinoless double- β decay in ^{76}Ge with 26 keVr of exposure from the Majorana Demonstrator. Physical Review C, 2019, 100, .	2.9	88
10	Multisite event discrimination for the majorana demonstrator. Physical Review C, 2019, 99, .	2.9	23
11	Search for trinucleon decay in the Majorana Demonstrator. Physical Review D, 2019, 99, .	4.7	11
12	First constraint on coherent elastic neutrino-nucleus scattering in argon. Physical Review D, 2019, 100, .	4.7	20
13	Contamination control and assay results for the Majorana Demonstrator ultra clean components. AIP Conference Proceedings, 2018, , .	0.4	2
14	Low background materials and fabrication techniques for cables and connectors in the Majorana Demonstrator. AIP Conference Proceedings, 2018, , .	0.4	3
15	Decay in ^{76}Ge with 26 keVr of exposure from the Majorana Demonstrator. Physical Review C, 2019, 100, .	2.9	162
16	The processing of enriched germanium for the Majorana Demonstrator and 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.	1.6	21
17	Recent Results from the Majorana Demonstrator. International Journal of Modern Physics Conference Series, 2018, 46, 1860049.	0.7	3
18	The Majorana Demonstrator Status and Preliminary Results. EPJ Web of Conferences, 2018, 178, 01006.	0.3	1

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19	First Limit on the Direct Detection of Lightly Ionizing Particles for Electric Charge as Low as e with the Majorana Demonstrator. Physical Review Letters, 2018, 120, 211804.	7.8	33
20	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.	4.3	21
21	Observation of coherent elastic neutrino-nucleus scattering. Science, 2017, 357, 1123-1126.	12.6	500
22	THE MAJORANA DOUBLE BETA DECAY EXPERIMENT: PRESENT STATUS. , 2017, , 61-65.		0
23	The Majorana Demonstrator calibration system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 872, 16-22.	1.6	19
24	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.	7.8	69
25	Status of the MAJORANA DEMONSTRATOR. Physics of Particles and Nuclei, 2017, 48, 27-33.	0.7	0
26	COHERENT Experiment: current status. Journal of Physics: Conference Series, 2017, 798, 012213.	0.4	1
27	The status and initial results of the Majorana demonstrator experiment. AIP Conference Proceedings, 2017, , .	0.4	4
28	The large enriched germanium experiment for neutrinoless double beta decay (LEGEND). AIP Conference Proceedings, 2017, , .	0.4	126
29	Initial Results from the Majorana Demonstrator. Journal of Physics: Conference Series, 2017, 888, 012035.	0.4	17
30	The Majorana Demonstrator radioassay program. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 828, 22-36.	1.6	86
31	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.	1.6	7
32	The PROSPECT physics program. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 113001.	3.6	53
33	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.	3.9	14
34	Background radiation measurements at high power research reactors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 806, 401-419.	1.6	22
35	Light collection and pulse-shape discrimination in elongated scintillator cells for the PROSPECT reactor antineutrino experiment. Journal of Instrumentation, 2015, 10, P11004-P11004.	1.2	19
36	A Dark Matter Search with MALBEK. Physics Procedia, 2015, 61, 77-84.	1.2	10

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37	Status of the Majorana Demonstrator. AIP Conference Proceedings, 2015, , .	0.4	2
38	Low background signal readout electronics for the MAJORANA DEMONSTRATOR. AIP Conference Proceedings, 2015, , .	0.4	1
39	Analysis techniques for background rejection at the MAJORANA DEMONSTRATOR. AIP Conference Proceedings, 2015, , .	0.4	0
40	The MAJORANA DEMONSTRATOR for $0\nu\bar{1}/2\bar{1}2\bar{1}2$: Current Status and Future Plans. Physics Procedia, 2015, 61, 232-240.	1.2	1
41	Background Model for the Majorana Demonstrator. Physics Procedia, 2015, 61, 821-827.	1.2	4
42	Testing the Ge Detectors for the MAJORANA DEMONSTRATOR. Physics Procedia, 2015, 61, 807-815.	1.2	4
43	The Majorana Demonstrator: A Search for Neutrinoless Double-beta Decay of ^{76}Ge . Journal of Physics: Conference Series, 2015, 606, 012004.	0.4	7
44	Low Background Signal Readout Electronics for the Majorana Demonstrator. Journal of Physics: Conference Series, 2015, 606, 012009.	0.4	5
45	Status of the MAJORANA DEMONSTRATOR: A search for neutrinoless double-beta decay. International Journal of Modern Physics A, 2015, 30, 1530032.	1.5	0
46	The Majorana Parts Tracking Database. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 779, 52-62.	1.6	13
47	Status of the Majorana Demonstrator. Nuclear and Particle Physics Proceedings, 2015, 265-266, 70-72.	0.5	0
48	MAJORANA Collaboration's Experience with Germanium Detectors. Journal of Physics: Conference Series, 2015, 606, 012005.	0.4	6
49	The Majorana Low-noise Low-background Front-end Electronics. Physics Procedia, 2015, 61, 654-657.	1.2	11
50	Status of the Majorana Demonstrator experiment. AIP Conference Proceedings, 2014, , .	0.4	2
51	The MAJORANA DEMONSTRATOR Neutrinoless Double-Beta Decay Experiment. Advances in High Energy Physics, 2014, 2014, 1-18.	1.1	158
52	The Majorana Demonstrator: Progress towards showing the feasibility of a tonne-scale ^{76}Ge neutrinoless double-beta decay experiment. Journal of Physics: Conference Series, 2014, 485, 012042.	0.4	1
53	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.	1.6	46
54	The design of an ultra-low background thermosyphon for the Majorana Demonstrator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 709, 17-21.	1.6	7

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55	The Majorana Demonstrator: A search for neutrinoless double-beta decay of germanium-76. , 2013, , .		1
56	The Majorana Demonstrator: A search for neutrinoless double-beta decay of germanium-76. , 2012, , .		0
57	Dark matter sensitivities of the Majorana Demonstrator. Journal of Physics: Conference Series, 2012, 375, 012014.	0.4	6
58	The Majorana Demonstrator: A Search for Neutrinoless Double-beta Decay of Germanium-76. Journal of Physics: Conference Series, 2012, 375, 042010.	0.4	19
59	The MAJORANA experiment: an ultra-low background search for neutrinoless double-beta decay. Journal of Physics: Conference Series, 2012, 381, 012044.	0.4	14
60	Measurement of airborne fission products in Chapel Hill, NC, USA from the Fukushima Dai-ichi reactor accident. Journal of Environmental Radioactivity, 2012, 112, 165-170.	1.7	35
61	Prospects for Barium Tagging in Gaseous Xenon. Journal of Physics: Conference Series, 2011, 309, 012005.	0.4	14
62	The Majorana Experiment. , 2011, , .		2
63	A xenon gas purity monitor for EXO. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 659, 215-228.	1.6	10
64	The Majorana Experiment. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 44-46.	0.4	34
65	Observation of Two-Neutrino Double-Beta Decay in ^{136}Xe with the EXO-200 Detector. Physical Review Letters, 2011, 107, 212501.	7.8	159
66	A magnetically driven piston pump for ultra-clean applications. Review of Scientific Instruments, 2011, 82, 105114.	1.3	14
67	A simple radionuclide-driven single-ion source. Review of Scientific Instruments, 2010, 81, 113301.	1.3	6
68	Characterization of large area APDs for the EXO-200 detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 68-75.	1.6	40
69	Systematic study of trace radioactive impurities in candidate construction materials for EXO-200. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 490-509.	1.6	114
70	A microfabricated sensor for thin dielectric layers. Review of Scientific Instruments, 2008, 79, 045101.	1.3	3
71	Observation of single collisionally cooled trapped ions in a buffer gas. Physical Review A, 2007, 76, .	2.5	23
72	A liquid xenon ionization chamber in an all-fluoropolymer vessel. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 578, 409-420.	1.6	8

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73	A linear RFQ ion trap for the Enriched Xenon Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 578, 399-408.	1.6	17
74	Mobility of thorium ions in liquid xenon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 555, 205-210.	1.6	9