Peter W Graham

List of Publications by Year
in descending order

74 papers	6,150 citations	66343 42 h-index	79698 73 g-index
74 all docs	74 docs citations	74 times ranked	5417 citing authors

#	Article	IF	Citations
1	Millicharged Dark Matter Detection with Ion Traps. PRX Quantum, 2022, 3, .	9.2	20
2	Earth as a transducer for axion dark-matter detection. Physical Review D, 2022, 105, .	4.7	15
3	Asteroids for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î¼</mml:mi><mml:mi>Hz</mml:mi></mml:mrow></mml:math> gravitational-wave detection. Physical Review D, 2022, 105, .	4.7	22
4	Astrometric gravitational-wave detection via stellar interferometry. Physical Review D, 2022, 106, .	4.7	7
5	Gravity Probe Spin: Prospects for measuring general-relativistic precession of intrinsic spin using a ferromagnetic gyroscope. Physical Review D, 2021, 103, .	4.7	18
6	Storage ring probes of dark matter and dark energy. Physical Review D, 2021, 103, .	4.7	29
7	Search for Axionlike Dark Matter Using Solid-State Nuclear Magnetic Resonance. Physical Review Letters, 2021, 126, 141802.	7.8	51
8	Gravity gradient noise from asteroids. Physical Review D, 2021, 103, .	4.7	14
9	Search for dark photon dark matter: Dark <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>E</mml:mi></mml:math> field radio pilot experiment. Physical Review D, 2021, 104, .	4.7	14
10	Matter-wave Atomic Gradiometer Interferometric Sensor (MAGIS-100). Quantum Science and Technology, 2021, 6, 044003.	5.8	80
11	Earth as a transducer for dark-photon dark-matter detection. Physical Review D, 2021, 104, .	4.7	19
12	Dark energy radiation. Physical Review D, 2021, 104, .	4.7	24
13	Warming up cold inflation. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 011.	5.4	11
14	Search for dark-photon dark matter in the SuperMAG geomagnetic field dataset. Physical Review D, 2021, 104, .	4.7	13
15	White dwarf bounds on charged massive particles. Physical Review D, 2020, 101, .	4.7	10
16	Muons in Supernovae: Implications for the Axion-Muon Coupling. Physical Review Letters, 2020, 125, 051104.	7.8	56
17	Exploring the robustness of stellar cooling constraints on light particles. Physical Review D, 2020, 102, .	4.7	48
18	AEDGE: Atomic Experiment for Dark Matter and Gravity Exploration in Space. EPJ Quantum Technology, 2020, 7, .	6.3	190

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19	Axion dark matter detection with CMB polarization. Physical Review D, 2019, 100, .	4.7	90
20	Relaxation of the cosmological constant. Physical Review D, 2019, 100, .	4.7	29
21	Wu etÂal. Reply:. Physical Review Letters, 2019, 123, 169002.	7.8	2
22	Constraints on bosonic dark matter from ultralow-field nuclear magnetic resonance. Science Advances, 2019, 5, eaax4539.	10.3	75
23	Supernova signals of light dark matter. Physical Review D, 2019, 100, .	4.7	32
24	Search for Axionlike Dark Matter with a Liquid-State Nuclear Spin Comagnetometer. Physical Review Letters, 2019, 122, 191302.	7.8	79
25	Observable signatures of dark photons from supernovae. Journal of High Energy Physics, 2019, 2019, 1.	4.7	50
26	SAGE: A proposal for a space atomic gravity explorer. European Physical Journal D, 2019, 73, 1.	1.3	75
27	Constraining Primordial Black Hole Abundance with the Galactic 511ÂkeV Line. Physical Review Letters, 2019, 123, 251102.	7.8	100
28	Spin precession experiments for light axionic dark matter. Physical Review D, 2018, 97, .	4.7	66
29	Born again universe. Physical Review D, 2018, 97, .	4.7	15
30	Localizing gravitational wave sources with single-baseline atom interferometers. Physical Review D, 2018, 97, .	4.7	24
31	The cosmic axion spin precession experiment (CASPEr): a dark-matter search with nuclear magnetic resonance. Quantum Science and Technology, 2018, 3, 014008.	5.8	48
32	White dwarfs as dark matter detectors. Physical Review D, 2018, 98, .	4.7	45
33	Stochastic axion scenario. Physical Review D, 2018, 98, .	4.7	115
34	Search for light scalar dark matter with atomic gravitational wave detectors. Physical Review D, 2018, 97, .	4.7	87
35	Design Overview of DM Radio Pathfinder Experiment. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	77
36	Vector dark matter from inflationary fluctuations. Physical Review D, 2016, 93, .	4.7	256

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37	Dark matter direct detection with accelerometers. Physical Review D, 2016, 93, .	4.7	167
38	Resonant mode for gravitational wave detectors based on atom interferometry. Physical Review D, 2016, 94, .	4.7	78
39	Towards a Bullet-proof test for indirect signals of dark matter. Physical Review D, 2015, 91, .	4.7	4
40	Dark matter triggers of supernovae. Physical Review D, 2015, 92, .	4.7	174
41	Radio for hidden-photon dark matter detection. Physical Review D, 2015, 92, .	4.7	128
42	Cosmological Relaxation of the Electroweak Scale. Physical Review Letters, 2015, 115, 221801.	7.8	447
43	Testing long-distance modifications of gravity to 100 astronomical units. Physical Review D, 2015, 92, .	4.7	13
44	Experimental Searches for the Axion and Axion-Like Particles. Annual Review of Nuclear and Particle Science, 2015, 65, 485-514.	10.2	486
45	Displaced vertices fromR-parity violation and baryogenesis. Physical Review D, 2014, 89, .	4.7	16
46	Parametrically enhanced hidden photon search. Physical Review D, 2014, 90, .	4.7	35
47	Proposal for a Cosmic Axion Spin Precession Experiment (CASPEr). Physical Review X, 2014, 4, .	8.9	265
48	Supersymmetric crevices: Missing signatures ofR-parity violation at the LHC. Physical Review D, 2014, 90, .	4.7	14
49	A simple harmonic universe. Journal of High Energy Physics, 2014, 2014, 1.	4.7	29
50	Exploring eternal stability with the simple harmonic universe. Journal of High Energy Physics, 2014, 2014, 1.	4.7	15
51	New Method for Gravitational Wave Detection with Atomic Sensors. Physical Review Letters, 2013, 110, 171102.	7.8	234
52	New observables for direct detection of axion dark matter. Physical Review D, 2013, 88, .	4.7	249
53	New measurements with stopped particles at the LHC. Physical Review D, 2012, 86, .	4.7	7
54	Displaced Supersymmetry. Journal of High Energy Physics, 2012, 2012, 1.	4.7	97

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55	Semiconductor probes of light dark matter. Physics of the Dark Universe, 2012, 1, 32-49.	4.9	154
56	Axion dark matter detection with cold molecules. Physical Review D, 2011, 84, .	4.7	114
57	Reply to â€œComment on â€˜Atomic gravitational wave interferometric sensorâ€™ â€• Physical Review D, 2011, 84, .	4.7	12
58	Dark Matter Searches with Astroparticle Data. Annual Review of Astronomy and Astrophysics, 2011, 49, 155-194.	24.3	100
59	An atomic gravitational wave interferometric sensor in low earth orbit (AGIS-LEO). General Relativity and Gravitation, 2011, 43, 1953-2009.	2.0	131
60	Exothermic dark matter. Physical Review D, 2010, 82, .	4.7	91
61	Luminous dark matter. Physical Review D, 2010, 82, .	4.7	48
62	Observing the dimensionality of our parent vacuum. Physical Review D, 2010, 82, .	4.7	21
63	Little solution to the little hierarchy problem: A vectorlike generation. Physical Review D, 2010, 81, .	4.7	52
64	Domino theory of flavor. Physical Review D, 2010, 81, .	4.7	10
65	Gravitational wave detection with atom interferometry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 37-40.	4.1	124
66	Decaying dark matter as a probe of unification and TeV spectroscopy. Physical Review D, 2009, 80, .	4.7	57
67	Astrophysical probes of unification. Physical Review D, 2009, 79, .	4.7	110
68	Atomic gravitational wave interferometric sensor. Physical Review D, 2008, 78, .	4.7	239
69	General relativistic effects in atom interferometry. Physical Review D, 2008, 78, .	4.7	141
70	Testing General Relativity with Atom Interferometry. Physical Review Letters, 2007, 98, 111102.	7.8	265
71	Indirect signals from dark matter in split supersymmetry. Physical Review D, 2005, 72, .	4.7	11
72	Limits on split supersymmetry from gluino cosmology. Physical Review D, 2005, 72, .	4.7	57

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73	One loop predictions of the finely tuned supersymmetric standard model. Physical Review D, 2004, 70, .	4.7	40
74	AEDGE: Atomic experiment for dark matter and gravity exploration in space. Experimental Astronomy, 0, , 1.	3.7	9