

Anne M Green

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,888
citations

126907

33
h-index

206112

48
g-index

54
all docs

54
docs citations

54
times ranked

1966
citing authors

#	ARTICLE	IF	CITATIONS
1	Primordial black holes as a dark matter candidate. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 043001.	3.6	303
2	The power spectrum of SUSY-CDM on subgalactic scales. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 353, L23-L27.	4.4	189
3	Constraints on the density perturbation spectrum from primordial black holes. <i>Physical Review D</i> , 1997, 56, 6166-6174.	4.7	174
4	Generalized constraints on the curvature perturbation from primordial black holes. <i>Physical Review D</i> , 2009, 79, .	4.7	157
5	Microlensing and dynamical constraints on primordial black hole dark matter with an extended mass function. <i>Physical Review D</i> , 2016, 94, .	4.7	136
6	New calculation of the mass fraction of primordial black holes. <i>Physical Review D</i> , 2004, 70, .	4.7	128
7	Primordial black holes as a tool for constraining non-Gaussianity. <i>Physical Review D</i> , 2012, 86, .	4.7	126
8	Directional statistics for realistic weakly interacting massive particle direct detection experiments. <i>Physical Review D</i> , 2005, 71, .	4.7	103
9	ASTROPHYSICAL UNCERTAINTIES ON DIRECT DETECTION EXPERIMENTS. <i>Modern Physics Letters A</i> , 2012, 27, 1230004.	1.2	96
10	Direct detection of dark matter – APPEC committee report*. <i>Reports on Progress in Physics</i> , 2022, 85, 056201.	20.1	92
11	Effect of halo modeling on weakly interacting massive particle exclusion limits. <i>Physical Review D</i> , 2002, 66, .	4.7	78
12	Dependence of direct detection signals on the WIMP velocity distribution. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 034-034.	5.4	74
13	Optimizing WIMP directional detectors. <i>Astroparticle Physics</i> , 2007, 27, 142-149.	4.3	73
14	Primordial black hole production due to preheating. <i>Physical Review D</i> , 2001, 64, .	4.7	69
15	Effect of realistic astrophysical inputs on the phase and shape of the weakly interacting massive particles annual modulation signal. <i>Physical Review D</i> , 2003, 68, .	4.7	68
16	Astrophysical uncertainties on the local dark matter distribution and direct detection experiments. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 084001.	3.6	64
17	Determining the WIMP mass from a single direct detection experiment; a more detailed study. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 005.	5.4	62
18	Readout strategies for directional dark matter detection beyond the neutrino background. <i>Physical Review D</i> , 2015, 92, .	4.7	59

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19	Gamma rays from ultracompact minihalos: Potential constraints on the primordial curvature perturbation. <i>Physical Review D</i> , 2010, 82, .	4.7	58
20	WIMP physics with ensembles of direct-detection experiments. <i>Physics of the Dark Universe</i> , 2014, 5-6, 45-74.	4.9	57
21	Determining the weakly interacting massive particles mass using direct detection experiments. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 022-022.	5.4	55
22	Weakly interacting massive particle annual modulation signal and nonstandard halo models. <i>Physical Review D</i> , 2001, 63, .	4.7	51
23	Model Independent Determination of the Dark Matter Mass from Direct Detection Experiments. <i>Physical Review Letters</i> , 2013, 111, 031302.	7.8	45
24	Axion astronomy with microwave cavity experiments. <i>Physical Review D</i> , 2017, 95, .	4.7	45
25	Astrophysical uncertainties on stellar microlensing constraints on multisolar mass primordial black hole dark matter. <i>Physical Review D</i> , 2017, 96, .	4.7	42
26	Self-consistent phase-space distribution function for the anisotropic dark matter halo of the Milky Way. <i>Physical Review D</i> , 2014, 89, .	4.7	40
27	Coupled quintessence and the halo mass function. <i>Physical Review D</i> , 2012, 85, .	4.7	39
28	Constraints on the primordial curvature perturbation from primordial black holes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 010-010.	5.4	38
29	Directional statistics for realistic weakly interacting massive particle direct detection experiments. II. 2D readout. <i>Physical Review D</i> , 2005, 72, .	4.7	37
30	Median recoil direction as a WIMP directional detection signal. <i>Physical Review D</i> , 2010, 81, .	4.7	36
31	Primordial Black Holes: Sirens of the Early Universe. <i>Fundamental Theories of Physics</i> , 2015, , 129-149.	0.3	35
32	Improved determination of the WIMP mass from direct detection data. <i>Physical Review D</i> , 2012, 86, .	4.7	34
33	Directional detection of dark matter streams. <i>Physical Review D</i> , 2014, 90, .	4.7	33
34	Understanding the suppression of structure formation from dark matter-dark energy momentum coupling. <i>Physical Review D</i> , 2020, 101, .	4.7	29
35	Probing WIMP particle physics and astrophysics with direct detection and neutrino telescope data. <i>Physical Review D</i> , 2015, 91, .	4.7	24
36	Conditions for successful extended inflation. <i>Physical Review D</i> , 1996, 54, 2557-2563.	4.7	20

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37	Consequences of statistical sense determination for WIMP directional detection. Physical Review D, 2008, 77, .	4.7	20
38	Open inflationary universes in the induced gravity theory. Physical Review D, 1997, 55, 609-615.	4.7	17
39	Constraints from primordial black hole formation at the end of inflation. Physical Review D, 2010, 82, .	4.7	17
40	Time-integrated directional detection of dark matter. Physical Review D, 2017, 96, .	4.7	15
41	Pitfalls of a power-law parametrization of the primordial power spectrum for primordial black hole formation. Physical Review D, 2018, 98, .	4.7	9
42	Cosmological effects of coupled dark matter. Physical Review D, 2013, 88, .	4.7	8
43	Constraints on the cosmic string loop collapse fraction from primordial black holes. Physical Review D, 2020, 101, .	4.7	8
44	Dark matter in astrophysics/cosmology. SciPost Physics Lecture Notes, 0, , .	0.0	8
45	How to calculate dark matter direct detection exclusion limits that are consistent with gamma rays from annihilation in the Milky Way halo. Physical Review D, 2016, 94, .	4.7	7
46	Effect of curvaton decay on the primordial power spectrum. Physical Review D, 2013, 87, .	4.7	4
47	Probing light WIMPs with directional detection experiments. Physical Review D, 2012, 86, .	4.7	2
48	Cosmic microwave background constraints on coupled dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 741, 51-54.	4.1	2
49	The first WIMPy halos. AIP Conference Proceedings, 2006, , .	0.4	1
50	EFFECTS OF HALO TRIAXIALITY, ANISOTROPY AND SMALL SCALE CLUMPING ON WIMP DIRECT DETECTION EXCLUSION LIMITS. , 2003, , .		1
51	WIMP direct detection and halo structure. Symposium - International Astronomical Union, 2004, 220, 483-488.	0.1	0
52	WIMP DIRECT DETECTION: HALO MODELLING AND SMALL SCALE STRUCTURE. , 2005, , .		0
53	Modelling ultra-fine structure in dark matter halos. , 2010, , .		0
54	PRIMORDIAL BLACK HOLES AND EARLY COSMOLOGY. , 1998, , .		0