Anne M Green

List of Publications by Year
in descending order

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	Direct detection of dark matterâ€"APPEC committee report*. Reports on Progress in Physics, 2022, 85, 056201.	20.1	92
2	Primordial black holes as a dark matter candidate. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 043001.	3.6	303
3	Constraints on the cosmic string loop collapse fraction from primordial black holes. Physical Review D, 2020, 101, .	4.7	8
4	Understanding the suppression of structure formation from dark matter-dark energy momentum coupling. Physical Review D, 2020, 101, .	4.7	29
5	Pitfalls of a power-law parametrization of the primordial power spectrum for primordial black hole formation. Physical Review D, 2018, 98, .	4.7	9
6	Astrophysical uncertainties on stellar microlensing constraints on multisolar mass primordial black hole dark matter. Physical Review D, 2017, 96, .	4.7	42
7	Axion astronomy with microwave cavity experiments. Physical Review D, 2017, 95, .	4.7	45
8	Time-integrated directional detection of dark matter. Physical Review D, 2017, 96, .	4.7	15
9	Astrophysical uncertainties on the local dark matter distribution and direct detection experiments. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 084001.	3.6	64
10	How to calculate dark matter direct detection exclusion limits that are consistent with gamma rays from annihilation in the MilkyÂWay halo. Physical Review D, 2016, 94, .	4.7	7
11	Microlensing and dynamical constraints on primordial black hole dark matter with an extended mass function. Physical Review D, 2016, 94, .	4.7	136
12	Probing WIMP particle physics and astrophysics with direct detection and neutrino telescope data. Physical Review D, 2015, 91, .	4.7	24
13	Readout strategies for directional dark matter detection beyond the neutrino background. Physical Review D, 2015, 92, .	4.7	59
14	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
15	Primordial Black Holes: Sirens of the Early Universe. Fundamental Theories of Physics, 2015, , 129-149.	0.3	35
16	WIMP physics with ensembles of direct-detection experiments. Physics of the Dark Universe, 2014, 5-6, 45-74.	4.9	57
17	Directional detection of dark matter streams. Physical Review D, 2014, 90, .	4.7	33
18	Self-consistent phase-space distribution function for the anisotropic dark matter halo of the MilkyÂWay. Physical Review D, 2014, 89, .	4.7	40

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19	Model Independent Determination of the Dark Matter Mass from Direct Detection Experiments. Physical Review Letters, 2013, 111, 031302.	7.8	45
20	Effect of curvaton decay on the primordial power spectrum. Physical Review D, 2013, 87, .	4.7	4
21	Cosmological effects of coupled dark matter. Physical Review D, 2013, 88, .	4.7	8
22	Primordial black holes as a tool for constraining non-Gaussianity. Physical Review D, 2012, 86, .	4.7	126
23	Improved determination of the WIMP mass from direct detection data. Physical Review D, 2012, 86, .	4.7	34
24	Probing light WIMPs with directional detection experiments. Physical Review D, 2012, 86, .	4.7	2
25	Coupled quintessence and the halo mass function. Physical Review D, 2012, 85, .	4.7	39
26	ASTROPHYSICAL UNCERTAINTIES ON DIRECT DETECTION EXPERIMENTS. Modern Physics Letters A, 2012, 27, 1230004.	1.2	96
27	Dependence of direct detection signals on the WIMP velocity distribution. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 034-034.	5.4	74
28	Modelling ultra-fine structure in dark matter halos. , 2010, , .		0
29	Constraints from primordial black hole formation at the end of inflation. Physical Review D, 2010, 82, .	4.7	17
30	Median recoil direction as a WIMP directional detection signal. Physical Review D, 2010, 81, .	4.7	36
31	Gamma rays from ultracompact minihalos: Potential constraints on the primordial curvature perturbation. Physical Review D, 2010, 82, .	4.7	58
32	Generalized constraints on the curvature perturbation from primordial black holes. Physical Review D, 2009, 79, .	4.7	157
33	Consequences of statistical sense determination for WIMP directional detection. Physical Review D, 2008, 77, .	4.7	20
34	Determining the WIMP mass from a single direct detection experiment; a more detailed study. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 005.	5.4	62
35	Determining the weakly interacting massive particles mass using direct detection experiments. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 022-022.	5.4	55
36	Constraints on the primordial curvature perturbation from primordial black holes. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 010-010.	5.4	38

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37	Optimizing WIMP directional detectors. Astroparticle Physics, 2007, 27, 142-149.	4.3	73
38	The first WIMPy halos. AIP Conference Proceedings, 2006, , .	0.4	1
39	WIMP DIRECT DETECTION: HALO MODELLING AND SMALL SCALE STRUCTURE. , 2005, , .		0
40	Directional statistics for realistic weakly interacting massive particle direct detection experiments. Physical Review D, 2005, 71, .	4.7	103
41	Directional statistics for realistic weakly interacting massive particle direct detection experiments. II. 2D readout. Physical Review D, 2005, 72, .	4.7	37
42	WIMP direct detection and halo structure. Symposium - International Astronomical Union, 2004, 220, 483-488.	0.1	0
43	New calculation of the mass fraction of primordial black holes. Physical Review D, 2004, 70, .	4.7	128
44	The power spectrum of SUSY-CDM on subgalactic scales. Monthly Notices of the Royal Astronomical Society, 2004, 353, L23-L27.	4.4	189
45	Effect of realistic astrophysical inputs on the phase and shape of the weakly interacting massive particles annual modulation signal. Physical Review D, 2003, 68, .	4.7	68
46	EFFECTS OF HALO TRIAXIALITY, ANISOTROPY AND SMALL SCALE CLUMPING ON WIMP DIRECT DETECTION EXCLUSION LIMITS. , 2003, , .		1
47	Effect of halo modeling on weakly interacting massive particle exclusion limits. Physical Review D, 2002, 66, .	4.7	78
48	Weakly interacting massive particle annual modulation signal and nonstandard halo models. Physical Review D, 2001, 63, .	4.7	51
49	Primordial black hole production due to preheating. Physical Review D, 2001, 64, .	4.7	69
50	PRIMORDIAL BLACK HOLES AND EARLY COSMOLOGY. , 1998, , .		0
51	Open inflationary universes in the induced gravity theory. Physical Review D, 1997, 55, 609-615.	4.7	17
52	Constraints on the density perturbation spectrum from primordial black holes. Physical Review D, 1997, 56, 6166-6174.	4.7	174
53	Conditions for successful extended inflation. Physical Review D, 1996, 54, 2557-2563.	4.7	20
54	Dark matter in astrophysics/cosmology. SciPost Physics Lecture Notes, 0, , .	0.0	8