

David Jâ€e Marsh

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

4,759
citations

172457

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330143

37
g-index

37
all docs

37
docs citations

37
times ranked

3579
citing authors

#	ARTICLE	IF	CITATIONS
1	Axion dark matter: What is it and why now?. <i>Science Advances</i> , 2022, 8, eabj3618.	10.3	66
2	Ultralight axions and the kinetic Sunyaev-Zeldovich effect. <i>Physical Review D</i> , 2022, 105, .	4.7	10
3	Probing virtual axion-like particles by precision phase measurements. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 012.	5.4	4
4	Relaxation times for Bose-Einstein condensation by self-interaction and gravity. <i>Physical Review D</i> , 2022, 106, .	4.7	9
5	Axion miniclusters made easy. <i>Physical Review D</i> , 2021, 103, .	4.7	19
6	Superradiance in string theory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 033.	5.4	58
7	Axion quasiparticles for axion dark matter detection. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 066.	5.4	51
8	New insights into the formation and growth of boson stars in dark matter halos. <i>Physical Review D</i> , 2021, 104, .	4.7	43
9	Strong Constraints on Fuzzy Dark Matter from Ultrafaint Dwarf Galaxy Eridanus II. <i>Physical Review Letters</i> , 2019, 123, 051103.	7.8	116
10	Proposal to Detect Dark Matter using Axionic Topological Antiferromagnets. <i>Physical Review Letters</i> , 2019, 123, 121601.	7.8	93
11	Structure formation and microlensing with axion miniclusters. <i>Physical Review D</i> , 2018, 97, .	4.7	84
12	Cosmology and fundamental physics with the Euclid satellite. <i>Living Reviews in Relativity</i> , 2018, 21, 2.	26.7	602
13	Formation of relativistic axion stars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 005-005.	5.4	38
14	Black hole spin constraints on the mass spectrum and number of axionlike fields. <i>Physical Review D</i> , 2018, 98, .	4.7	66
15	Using the full power of the cosmic microwave background to probe axion dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 3063-3085.	4.4	106
16	Black hole formation from axion stars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 055-055.	5.4	105
17	Spectrum of the axion dark sector. <i>Physical Review D</i> , 2017, 96, .	4.7	36
18	Searching for the QCD Axion with Gravitational Microlensing. <i>Physical Review Letters</i> , 2017, 119, 021101.	7.8	50

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19	Future CMB tests of dark matter: Ultralight axions and massive neutrinos. <i>Physical Review D</i> , 2017, 95, .	4.7	60
20	An ultralight pseudoscalar boson. <i>Physical Review D</i> , 2016, 93, .	4.7	56
21	The effects of the small-scale DM power on the cosmological neutral hydrogen (HI) distribution at high redshifts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 012-012.	5.4	42
22	Axion cosmology. <i>Physics Reports</i> , 2016, 643, 1-79.	25.6	1,212
23	Galaxy UV-luminosity function and reionization constraints on axion dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 209-222.	4.4	121
24	Nonlinear hydrodynamics of axion dark matter: Relative velocity effects and quantum forces. <i>Physical Review D</i> , 2015, 91, .	4.7	42
25	A search for ultralight axions using precision cosmological data. <i>Physical Review D</i> , 2015, 91, .	4.7	299
26	Unifying inflation and dark matter with the Peccei-Quinn field: Observable axions and observable tensors. <i>Physical Review D</i> , 2015, 91, .	4.7	39
27	Axion dark matter, solitons and the cuspâ€“core problem. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 2479-2492.	4.4	203
28	A model for halo formation with axion mixed dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 2652-2663.	4.4	174
29	Constraining supersymmetry with heavy scalars: Using the CMB. <i>Physical Review D</i> , 2014, 89, .	4.7	20
30	Quintessence in a quandary: Prior dependence in dark energy models. <i>Physical Review D</i> , 2014, 90, .	4.7	29
31	Tensor Interpretation of BICEP2 Results Severely Constrains Axion Dark Matter. <i>Physical Review Letters</i> , 2014, 113, 011801.	7.8	51
32	Superpotential de-sequestering in string models. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	15
33	Supersymmetric vacua in random supergravity. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	33
34	Cosmology and Fundamental Physics with the Euclid Satellite. <i>Living Reviews in Relativity</i> , 2013, 16, 6.	26.7	683
35	Towards constraining Affleck-Dine baryogenesis. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	14
36	The wasteland of random supergravities. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	75

#	ARTICLE	IF	CITATIONS
37	Sequestering in string compactifications. Journal of High Energy Physics, 2011, 2011, 1.	4.7	35