

Amanda Weltman

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

5,410
citations

279798

23
h-index

289244

40
g-index

45
all docs

45
docs citations

45
times ranked

6010
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen Intensity and Real-Time Analysis Experiment: 256-element array status and overview. Journal of Astronomical Telescopes, Instruments, and Systems, 2022, 8, .	1.8	22
2	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. Journal of High Energy Astrophysics, 2022, 34, 49-211.	6.7	350
3	Fundamental physics with the Square Kilometre Array. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	179
4	Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, 2019, 36, 143001.	4.0	451
5	Physics potential of the International Axion Observatory (IAXO). Journal of Cosmology and Astroparticle Physics, 2019, 2019, 047-047.	5.4	135
6	A living theory catalogue for fast radio bursts. Physics Reports, 2019, 821, 1-27.	25.6	276
7	Conformal inflation with chameleon coupling. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 027-027.	5.4	5
8	T -dual cosmological solutions in double field theory. Physical Review D, 2019, 99, .	4.7	19
9	Probing diffuse gas with fast radio bursts. Physical Review D, 2019, 100, .	4.7	25
10	Point particle motion in double field theory and a singularity-free cosmological solution. Physical Review D, 2018, 97, .	4.7	14
11	Dual spacetime and nonsingular string cosmology. Physical Review D, 2018, 98, .	4.7	17
12	Amplitudes for astrophysicists: known knowns. General Relativity and Gravitation, 2018, 50, 1.	2.0	6
13	Model-independent curvature determination with 21 μ m intensity mapping experiments. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 477, L122-L127.	3.3	25
14	Future Cosmological Constraints From Fast Radio Bursts. Astrophysical Journal, 2018, 856, 65.	4.5	82
15	Constraining the interaction between dark sectors with future HI intensity mapping observations. Physical Review D, 2018, 97, .	4.7	16
16	Alignments of parity even/odd-only multipoles in CMB. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2410-2421.	4.4	25
17	Current observations with a decaying cosmological constant allow for chaotic cyclic cosmology. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 026-026.	5.4	15
18	An update on the Axion Helioscopes front: current activities at CAST and the IAXO project. Nuclear and Particle Physics Proceedings, 2016, 273-275, 244-249.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Primordial $\langle \sigma v \rangle$ constraints on inelastic macro dark matter revisited. <i>Physical Review D</i> , 2016, 94, .	4.7	0
20	How to avoid a swift kick in the chameleons. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 058-058.	5.4	13
21	HIRAX: a probe of dark energy and radio transients. <i>Proceedings of SPIE</i> , 2016, , .	0.8	134
22	Chameleon Cosmology Near and Far. , 2016, , .		0
23	A natural cosmological constant from chameleons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 747, 200-204.	4.1	1
24	Resonant bar detector constraints on macro dark matter. <i>Physical Review D</i> , 2015, 91, .	4.7	16
25	The Next Generation of Axion Helioscopes: The International Axion Observatory (IAXO). <i>Physics Procedia</i> , 2015, 61, 193-200.	1.2	11
26	The IAXO Helioscope. <i>Journal of Physics: Conference Series</i> , 2015, 650, 012009.	0.4	2
27	Conceptual design of the International Axion Observatory (IAXO). <i>Journal of Instrumentation</i> , 2014, 9, T05002-T05002.	1.2	201
28	Chameleons on the racetrack. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	9
29	Blackness of the cosmic microwave background spectrum as a probe of the distance-duality relation. <i>Physical Review D</i> , 2013, 87, .	4.7	51
30	Using Quasars as Standard Clocks for Measuring Cosmological Redshift. <i>Physical Review Letters</i> , 2012, 108, 231302.	7.8	12
31	Anomalous coupling of scalars to gauge fields. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 699, 5-9.	4.1	42
32	Constraining chameleon field theories using the GammeV afterglow experiments. <i>Physical Review D</i> , 2010, 81, .	4.7	33
33	Laboratory Constraints on Chameleon Dark Energy and Power-Law Fields. <i>Physical Review Letters</i> , 2010, 105, 261803.	7.8	55
34	Higgs production as a probe of chameleon dark energy. <i>Physical Review D</i> , 2010, 81, .	4.7	34
35	Search for Chameleon Particles Using a Photon-Regeneration Technique. <i>Physical Review Letters</i> , 2009, 102, 030402.	7.8	49
36	Collider constraints on interactions of dark energy with the Standard Model. <i>Journal of High Energy Physics</i> , 2009, 2009, 128-128.	4.7	28

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37	Cosmological moduli dynamics. Journal of High Energy Physics, 2007, 2007, 060-060.	4.7	29
38	Enhanced Brane Tunneling and Instanton Wrinkles. Physical Review Letters, 2007, 99, 161601.	7.8	29
39	An effect of $\hat{1}\hat{a}\hat{e}^2$ corrections on racetrack inflation. Journal of High Energy Physics, 2006, 2006, 035-035.	4.7	11
40	Chameleon Fields: Awaiting Surprises for Tests of Gravity in Space. Physical Review Letters, 2004, 93, 171104.	7.8	1,276
41	Chameleon cosmology. Physical Review D, 2004, 69, .	4.7	1,293
42	Detecting dark energy in orbit: The cosmological chameleon. Physical Review D, 2004, 70, .	4.7	415
43	The problem with quantum gravity. , 0, , 1-7.		0
44	Conversations in string theory. , 0, , 419-434.		0
45	Cosmic backgrounds from the radio to the far-infrared: recent results and perspectives from cosmological and astrophysical surveys. International Journal of Modern Physics D, 0, , .	2.1	0