

Scott Watson

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,818
citations

304743

22
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

1520
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing Inflation with CMB Polarization. , 2009, , .		252
2	String gas cosmology. <i>Reviews of Modern Physics</i> , 2006, 78, 435-454.	45.6	164
3	Non-thermal dark matter and the moduli problem in string frameworks. <i>Journal of High Energy Physics</i> , 2008, 2008, 064-064.	4.7	162
4	Cosmological moduli and the post-inflationary universe: A critical review. <i>International Journal of Modern Physics D</i> , 2015, 24, 1530022.	2.1	132
5	Nonthermal "WIMP miracle". <i>Physical Review D</i> , 2009, 80, .	4.7	112
6	Moduli stabilization with the string Higgs effect. <i>Physical Review D</i> , 2004, 70, .	4.7	97
7	PAMELA satellite data as a signal of non-thermal wino LSP dark matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 681, 151-160.	4.1	93
8	Stabilization of extra dimensions at tree level. <i>Journal of Cosmology and Astroparticle Physics</i> , 2003, 2003, 008-008.	5.4	89
9	Planck constraint on relic primordial black holes. <i>Physical Review D</i> , 2017, 95, .	4.7	72
10	Is the PAMELA positron excess winos?. <i>Physical Review D</i> , 2009, 79, .	4.7	65
11	Nonthermal histories and implications for structure formation. <i>Physical Review D</i> , 2014, 90, .	4.7	63
12	The classical double copy in three spacetime dimensions. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	60
13	A preferred mass range for primordial black hole formation and black holes as dark matter revisited. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	49
14	Supersymmetry, nonthermal dark matter, and precision cosmology. <i>Physical Review D</i> , 2014, 89, .	4.7	42
15	Effective field theory approach to string gas cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2004, 2004, 001-001.	5.4	40
16	The baryon-dark matter ratio via moduli decay after Affleck-Dine baryogenesis. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 012-012.	5.4	39
17	Concentrated dark matter: Enhanced small-scale structure from codecaying dark matter. <i>Physical Review D</i> , 2018, 97, .	4.7	39
18	Linear Perturbations in Brane Gas Cosmology. <i>Journal of High Energy Physics</i> , 2004, 2004, 045-045.	4.7	31

#	ARTICLE	IF	CITATIONS
19	Bringing isolated dark matter out of isolation: Late-time reheating and indirect detection. Physical Review D, 2016, 94, .	4.7	30
20	Cosmological moduli dynamics. Journal of High Energy Physics, 2007, 2007, 060-060.	4.7	29
21	Nonthermal WIMPs and primordial black holes. Physical Review D, 2016, 93, .	4.7	27
22	Cosmological implications of the effective field theory of cosmic acceleration. Physical Review D, 2013, 87, .	4.7	23
23	Was the Universe actually radiation dominated prior to nucleosynthesis?. Physical Review D, 2017, 96, .	4.7	22
24	Geometric precipices in string cosmology. Physical Review D, 2008, 77, .	4.7	21
25	Constraining supersymmetry with heavy scalars: Using the CMB. Physical Review D, 2014, 89, .	4.7	20
26	UV perturbations in brane gas cosmology. Physical Review D, 2004, 70, .	4.7	17
27	Toward an effective field theory approach to reheating. Physical Review D, 2017, 96, .	4.7	12
28	Reevaluating the Cosmological Origin of Dark Matter. Advanced Series on Directions in High Energy Physics, 2010, , 305-324.	0.7	9
29	Constraints on a nonthermal history from Galactic dark matter spikes. Physical Review D, 2011, 84, .	4.7	7
30	Thermal history of the universe after inflation. AIP Conference Proceedings, 2016, , .	0.4	0