

Anson Hook

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,518
citations

430874

18
h-index

414414

32
g-index

32
all docs

32
docs citations

32
times ranked

4184
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-lived particles at the energy frontier: the MATHUSLA physics case. Reports on Progress in Physics, 2019, 82, 116201.	20.1	220
2	Model-Independent Bounds on Kinetic Mixing. Advances in High Energy Physics, 2011, 2011, 1-8.	1.1	160
3	Radio Signals from Axion Dark Matter Conversion in Neutron Star Magnetospheres. Physical Review Letters, 2018, 121, 241102.	7.8	110
4	Solving the Hierarchy Problem at Reheating with a Large Number of Degrees of Freedom. Physical Review Letters, 2016, 117, 251801.	7.8	96
5	Anomalous Solutions to the Strong $C P$ Problem. Physical Review Letters, 2015, 114, 141801.	7.8	92
6	Dark matter from axion strings with adaptive mesh refinement. Nature Communications, 2022, 13, 1049.	12.8	82
7	Probing axions with neutron star inspirals and other stellar processes. Journal of High Energy Physics, 2018, 2018, 1.	4.7	69
8	Relaxation from particle production. Journal of High Energy Physics, 2016, 2016, 1.	4.7	68
9	Axion interferometry. Physical Review D, 2018, 98, .	4.7	66
10	Primordial Anisotropies in the Gravitational Wave Background from Cosmological Phase Transitions. Physical Review Letters, 2018, 121, 201303.	7.8	63
11	Solving the Hierarchy Problem Discretely. Physical Review Letters, 2018, 120, 261802.	7.8	60
12	High Quality QCD Axion and the LHC. Physical Review Letters, 2020, 124, 221801.	7.8	59
13	Searches for other vacua. Part II. A new Higgstory at the cosmological collider. Journal of High Energy Physics, 2020, 2020, 1.	4.7	52
14	A collider observable QCD axion. Journal of High Energy Physics, 2016, 2016, 1.	4.7	51
15	The photophobic ALP. Journal of High Energy Physics, 2018, 2018, 1.	4.7	51
16	Causal gravitational waves as a probe of free streaming particles and the expansion of the Universe. Journal of High Energy Physics, 2021, 2021, 1.	4.7	42
17	Probing Axionlike Particles and the Axiverse with Superconducting Radio-Frequency Cavities. Physical Review Letters, 2019, 123, 021801.	7.8	34
18	A CMB Millikan experiment with cosmic axiverse strings. Journal of High Energy Physics, 2020, 2020, 1.	4.7	31

#	ARTICLE	IF	CITATIONS
19	Bounding millimagnetically charged particles with magnetars. <i>Physical Review D</i> , 2017, 96, .	4.7	18
20	Axion string signatures: a cosmological plasma collider. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	14
21	Time-varying fine structure constant from naturally ultralight dark matter. <i>Physical Review D</i> , 2021, 104, .	4.7	11
22	Low-energy supersymmetry breaking without the gravitino problem. <i>Physical Review D</i> , 2015, 92, .	4.7	8
23	Searches for other vacua. Part I. Bubbles in our universe. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	8
24	Black hole production of monopoles in the early universe. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	8
25	Non-linearly realized discrete symmetries. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	7
26	Scalars Gliding through an Expanding Universe. <i>Physical Review Letters</i> , 2020, 124, 211801.	7.8	7
27	Supernova constraints on an axion-photon-dark photon interaction. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	7
28	Solving the wrong hierarchy problem. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	6
29	Consequences of fine-tuning for fifth force searches. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	6
30	Bounds on gauge bosons coupled to nonconserved currents. <i>Physical Review D</i> , 2021, 104, .	4.7	5
31	Searching for millicharged particles with superconducting radio-frequency cavities. <i>Physical Review D</i> , 2020, 102, .	4.7	4
32	Naturalness without new particles. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	3