

David McKeen

List of Publications by Year in descending order

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42
papers

2,394
citations

201674

27
h-index

276875

41
g-index

42
all docs

42
docs citations

42
times ranked

6153
citing authors

#	ARTICLE	IF	CITATIONS
1	Cosmological constraints on dark matter interactions with ordinary matter. Physics Reports, 2022, 961, 1-35.	25.6	33
2	Cosmological and astrophysical probes of dark baryons. Physical Review D, 2021, 103, .	4.7	19
3	Neutron Star Internal Heating Constraints on Mirror Matter. Physical Review Letters, 2021, 127, 061805.	7.8	25
4	Limits on the Existence of sub-MeV Sterile Neutrinos from the Decay of ${}^7\text{Be}$ in Superconducting Quantum Sensors. Physical Review Letters, 2021, 126, 021803.	7.8	28
5	Renormalizable models of flavor-specific scalars. Physical Review D, 2021, 104, .	4.7	7
6	Hydrogen Portal to Exotic Radioactivity. Physical Review Letters, 2020, 125, 231803.	7.8	27
7	Subaru-HSC through a different lens: Microlensing by extended dark matter structures. Physical Review D, 2020, 102, .	4.7	47
8	Gravitational microlensing by dark matter in extended structures. Physical Review D, 2020, 101, .	4.7	31
9	Cosmic neutrino background search experiments as decaying dark matter detectors. Physical Review D, 2019, 100, .	4.7	18
10	Monochromatic dark neutrinos and boosted dark matter in noble liquid direct detection. Physical Review D, 2019, 99, .	4.7	28
11	Stability, reheating, and leptogenesis. Journal of High Energy Physics, 2019, 2019, 1.	4.7	20
12	Long-lived particles at the energy frontier: the MATHUSLA physics case. Reports on Progress in Physics, 2019, 82, 116201.	20.1	220
13	New physics via pion capture and simple nuclear reactions. Physical Review D, 2019, 100, .	4.7	5
14	Probing light dark matter with a hadrophilic scalar mediator. Physical Review D, 2019, 100, .	4.7	33
15	Thermal dark matter through the Dirac neutrino portal. Physical Review D, 2018, 97, .	4.7	56
16	Flavor-specific scalar mediators. Physical Review D, 2018, 98, .	4.7	69
17	Neutron Stars Exclude Light Dark Baryons. Physical Review Letters, 2018, 121, 061802.	7.8	75
18	Baryogenesis from oscillations of charmed or beautiful baryons. Physical Review D, 2017, 96, .	4.7	34

#	ARTICLE	IF	CITATIONS
19	Validity of the Weizsäcker-Williams approximation and the analysis of beam dump experiments: Production of a new scalar boson. <i>Physical Review D</i> , 2017, 95, .	4.7	33
20	Muon anomalous magnetic moment through the leptonic Higgs portal. <i>Physical Review D</i> , 2017, 95, .	4.7	65
21	Electrophobic Scalar Boson and Muonic Puzzles. <i>Physical Review Letters</i> , 2016, 117, 101801.	7.8	48
22	A facility to search for hidden particles at the CERN SPS: the SHiP physics case. <i>Reports on Progress in Physics</i> , 2016, 79, 124201.	20.1	496
23	$C < P$ -violating baryon oscillations. <i>Physical Review D</i> , 2016, 94, .	4.7	43
24	Diphotons, new vacuum angles, and strong CP. <i>Journal of High Energy Physics</i> , 2016, 2016, 1-24.	4.7	13
25	Constraints and consequences of reducing small scale structure via large dark matter-neutrino interactions. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	66
26	Leptophobic dark matter at neutrino factories. <i>Physical Review D</i> , 2014, 90, .	4.7	80
27	Publisher's Note: Constraints on muon-specific dark forces [Phys. Rev. D90, 073004 (2014)]. <i>Physical Review D</i> , 2014, 90, .	4.7	24
28	Constraints on muon-specific dark forces. <i>Physical Review D</i> , 2014, 90, .	4.7	48
29	Exotic decays of the 125 GeV Higgs boson. <i>Physical Review D</i> , 2014, 90, .	4.7	209
30	Illuminating sub-GeV dark matter with neutrino beams. , 2013, , .		0
31	Electric dipole moment signatures of PeV-scale superpartners. <i>Physical Review D</i> , 2013, 87, .	4.7	42
32	Modified Higgs branching ratios versus $C < P$ and lepton flavor violation. <i>Physical Review D</i> , 2012, 86, .	4.7	62
33	Pion-photon transition form factor and new physics in the ℓ , sector. <i>Physical Review D</i> , 2012, 85, .	4.7	11
34	Testing Parity with Atomic Radiative Capture of $\frac{1}{4} \hat{\alpha}^2$. <i>Physical Review Letters</i> , 2012, 108, 263401.	7.8	6
35	Diphotons from tetraphotons in the decay of a 125 GeV Higgs boson at the LHC. <i>Physical Review D</i> , 2012, 85, .	4.7	39
36	Signatures of sub-GeV dark matter beams at neutrino experiments. <i>Physical Review D</i> , 2012, 86, .	4.7	82

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37	Singlet neighbors of the Higgs boson. Journal of High Energy Physics, 2012, 2012, 1.	4.7	52
38	New Parity-Violating Muonic Forces and the Proton Charge Radius. Physical Review Letters, 2011, 107, 011803.	7.8	110
39	Contributions to the muon's anomalous magnetic moment from a hidden sector. Annals of Physics, 2011, 326, 1501-1514.	2.8	15
40	Muon capture constraints on sterile neutrino properties. Physical Review D, 2010, 82, .	4.7	29
41	WIMP-less dark matter and meson decays with missing energy. Physical Review D, 2009, 79, .	4.7	18
42	Constraining light bosons with radiative $\langle \sigma v \rangle \lesssim 1 \text{ S} \text{ (Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 532 Td (str$	4.7	28