Jayden L Newstead

List of Publications by Year
in descending order

19	523	623699	839512
papers	citations	14 h-index	18 g-index

19	19	19	496
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	General analysis of direct dark matter detection: From microphysics to observational signatures. Physical Review D, 2015, 92, .	4.7	62
2	Migdal effect and photon bremsstrahlung in effective field theories of dark matter direct detection and coherent elastic neutrino-nucleus scattering. Physical Review D, 2020, 101, .	4.7	58
3	Bounds on cosmic ray-boosted dark matter in simplified models and its corresponding neutrino-floor. Physical Review D, 2020, 101, .	4.7	53
4	Explaining the XENON1T Excess with Luminous Dark Matter. Physical Review Letters, 2020, 125, 161803.	7.8	49
5	Effective field theory treatment of the neutrino background in direct dark matter detection experiments. Physical Review D, 2016, 93, .	4.7	36
6	Probing light mediators at ultralow threshold energies with coherent elastic neutrino-nucleus scattering. Physical Review D, 2017, 96, .	4.7	36
7	Inverse Primakoff Scattering as a Probe of Solar Axions at Liquid Xenon Direct Detection Experiments. Physical Review Letters, 2020, 125, 131805.	7.8	36
8	Accelerator and reactor complementarity in coherent neutrino-nucleus scattering. Physical Review D, 2018, 97, .	4.7	35
9	Cosmic-ray upscattered inelastic dark matter. Physical Review D, 2021, 104, .	4.7	29
10	Dark matter, light mediators, and the neutrino floor. Physical Review D, 2017, 95, .	4.7	21
11	Low-mass inelastic dark matter direct detection via the Migdal effect. Physical Review D, 2021, 104, .	4.7	21
12	Detecting CNO solar neutrinos in next-generation xenon dark matter experiments. Physical Review D, 2019, 99, .	4.7	20
13	Present and future status of light dark matter models from cosmic-ray electron upscattering. Physical Review D, 2021, 103, .	4.7	18
14	Scientific reach of multiton-scale dark matter direct detection experiments. Physical Review D, 2013, 88, .	4.7	17
15	Atmospheric neutrinos in next-generation xenon and argon dark matter experiments. Physical Review D, 2021, 104, .	4.7	10
16	Observing the Migdal effect from nuclear recoils of neutral particles with liquid xenon and argon detectors. Physical Review D, 2022, 105, .	4.7	10
17	Thermal dark matter implies new physics not far above the weak scale. Journal of High Energy Physics, 2014, 2014, 1.	4.7	7
18	Gamma ray signals from cosmic ray scattering on axionlike particles. Physical Review D, 2021, 104, .	4.7	5

#	Article	IF	Citations
19	A summary of the CETUP* 2016 dark matter workshop discussion sessions. AIP Conference Proceedings, 2017, , .	0.4	0