Joseph Bramante

List of Publications by Year
in descending order

41 papers	1,387 citations	236925 25 h-index	315739 38 g-index
41 all docs	41 docs citations	41 times ranked	1588 citing authors

#	Article	IF	Citations
1	Dark Kinetic Heating of Neutron Stars and an Infrared Window on WIMPs, SIMPs, and Pure Higgsinos. Physical Review Letters, 2017, 119, 131801.	7.8	113
2	Using HAWC to discover invisible pulsars. Physical Review D, 2017, 96, .	4.7	81
3	Detecting Dark Matter with Imploding Pulsars in the Galactic Center. Physical Review Letters, 2014, 113, 191301.	7.8	80
4	Constraints on bosonic dark matter from observation of old neutron stars. Physical Review D, 2013, 87, .	4.7	73
5	Multiscatter stellar capture of dark matter. Physical Review D, 2017, 96, .	4.7	72
6	Bounds on self-interacting fermion dark matter from observations of old neutron stars. Physical Review D, 2014, 89, .	4.7	63
7	Towards the final word on neutralino dark matter. Physical Review D, 2016, 93, .	4.7	59
8	The Forward Physics Facility: Sites, experiments, and physics potential. Physics Reports, 2022, 968, 1-50.	25.6	57
9	Warming nuclear pasta with dark matter: kinetic and annihilation heating of neutron star crusts. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 038-038.	5.4	56
10	Dark Matter Ignition of Type Ia Supernovae. Physical Review Letters, 2015, 115, 141301.	7.8	52
11	Searching for dark matter with neutron star mergers and quiet kilonovae. Physical Review D, 2018, 97, .	4.7	47
12	Inelastic frontier: Discovering dark matter at high recoil energy. Physical Review D, 2016, 94, .	4.7	45
13	Electric But Not Eclectic: Thermal Relic Dark Matter for the XENON1T Excess. Physical Review Letters, 2020, 125, 161805.	7.8	45
14	Superheavy thermal dark matter and primordial asymmetries. Journal of High Energy Physics, 2017, 2017, 1.	4.7	44
15	Saturated overburden scattering and the multiscatter frontier: Discovering dark matter at the Planck mass and beyond. Physical Review D, 2018, 98, .	4.7	44
16	Calorimetric Dark Matter Detection with Galactic Center Gas Clouds. Physical Review Letters, 2018, 121, 131101.	7.8	40
17	Galactic Center gas clouds and novel bounds on ultralight dark photon, vector portal, strongly interacting, composite, and super-heavy dark matter. Physical Review D, 2019, 100, .	4.7	40
18	Relic neutralino surface at a 100ÂTeV collider. Physical Review D, 2015, 91, .	4.7	35

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19	ON THEr-PROCESS ENRICHMENT OF DWARF SPHEROIDAL GALAXIES. Astrophysical Journal, 2016, 826, 57.	4.5	34
20	Foraging for dark matter in large volume liquid scintillator neutrino detectors with multiscatter events. Physical Review D, 2019, 99, .	4.7	31
21	Dark matter, destroyer of worlds: neutrino, thermal, and existential signatures from black holes in the Sun and Earth. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 026.	5.4	30
22	Supernovae sparked by dark matter in white dwarfs. Physical Review D, 2019, 100, .	4.7	29
23	Scattering Searches for Dark Matter in Subhalos: Neutron Stars, Cosmic Rays, and Old Rocks. Physical Review Letters, 2022, 128, .	7.8	28
24	Terrestrial and martian heat flow limits on dark matter. Physical Review D, 2020, 101, .	4.7	26
25	Higgs portals to pulsar collapse. Physical Review D, 2015, 91, .	4.7	25
26	Dark matter astrometry at underground detectors with multiscatter events. Physical Review D, 2019, 100, .	4.7	18
27	Accelerating composite dark matter discovery with nuclear recoils and the Migdal effect. Physical Review D, 2022, 105, .	4.7	18
28	Catching sparks from well-forged neutralinos. Physical Review D, 2014, 90, .	4.7	16
29	Detecting composite dark matter with long-range and contact interactions in gas clouds. Physical Review D, 2021, 103, .	4.7	15
30	Etched plastic searches for dark matter. Physical Review D, 2021, 103, .	4.7	13
31	Nuclear fusion inside dark matter. Physical Review D, 2021, 103, .	4.7	13
32	Gravitational waves from dark sectors, oscillating inflatons, and mass boosted dark matter. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 043.	5.4	10
33	Proton annihilation at hadron colliders and Kamioka: High energy versus high luminosity. Physical Review D, 2015, 91, .	4.7	8
34	Collider searches for fermiophobic gauge bosons. Physical Review D, 2011, 84, .	4.7	7
35	Boosted Higgs bosons from chromomagneticbâ€™s:bbÂ¯hat high luminosity. Physical Review D, 2016, 93, .	4.7	7
36	Material matter effects in gravitational UV/IR mixing. Physical Review D, 2020, 101, .	4.7	5

#	Article	IF	Citations
37	Superradiant searches for dark photons in two stage atomic transitions. Physical Review D, 2020, 101, .	4.7	4
38	Anomalous anomalies from virtual black holes. Physical Review D, 2020, 101, .	4.7	3
39	STERILE NEUTRINO PRODUCTION THROUGH A MATTER EFFECT ENHANCEMENT AT LONG BASELINES. International Journal of Modern Physics A, 2013, 28, 1350067.	1.5	1
40	Type Ia supernovae ignition, galactic center pulsar implosions, and fast radio bursts from asymmetric dark matter. AIP Conference Proceedings, 2016, , .	0.4	0
41	BhoonahetÂal.Reply. Physical Review Letters, 2020, 124, 029002.	7.8	0