Mauricio Bustamante

List of Publications by Year
in descending order

25 papers	1,132 citations	430874 18 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	795 citing authors

#	Article	IF	Citations
1	The Giant Radio Array for Neutrino Detection (GRAND): Science and design. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	130
2	Theoretically Palatable Flavor Combinations of Astrophysical Neutrinos. Physical Review Letters, 2015, 115, 161302.	7.8	116
3	Open Questions in Cosmic-Ray Research at Ultrahigh Energies. Frontiers in Astronomy and Space Sciences, 2019, 6, .	2.8	115
4	Neutrino decays over cosmological distances and the implications for neutrino telescopes. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 020-020.	5.4	96
5	Testing decay of astrophysical neutrinos with incomplete information. Physical Review D, 2017, 95, .	4.7	68
6	Extracting the Energy-Dependent Neutrino-Nucleon Cross Section above 10ÂTeV Using IceCube Showers. Physical Review Letters, 2019, 122, 041101.	7.8	65
7	Neutrino and cosmic-ray emission from multiple internal shocks in gamma-ray bursts. Nature Communications, 2015, 6, 6783.	12.8	63
8	COSMOGENIC NEUTRINOS CHALLENGE THE COSMIC-RAY PROTON DIP MODEL. Astrophysical Journal, 2016, 825, 122.	4.5	57
9	Are gamma-ray bursts the sources of ultra-high energy cosmic rays?. Astroparticle Physics, 2015, 62, 66-91.	4.3	53
10	UHECR ESCAPE MECHANISMS FOR PROTONS AND NEUTRONS FROM GAMMA-RAY BURSTS, AND THE COSMIC-RAY-NEUTRINO CONNECTION. Astrophysical Journal, 2013, 768, 186.	4.5	46
11	The future of high-energy astrophysical neutrino flavor measurements. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 054.	5.4	39
12	Inferring the Flavor of High-Energy Astrophysical Neutrinos at Their Sources. Physical Review Letters, 2019, 122, 241101.	7.8	38
13	Universeâ€™s Worth of Electrons to Probe Long-Range Interactions of High-Energy Astrophysical Neutrinos. Physical Review Letters, 2019, 122, 061103.	7.8	37
14	Bounds on secret neutrino interactions from high-energy astrophysical neutrinos. Physical Review D, 2020, 101, .	4.7	36
15	Multi-messenger Light Curves from Gamma-Ray Bursts in the Internal Shock Model. Astrophysical Journal, 2017, 837, 33.	4.5	32
16	Unitarity bounds of astrophysical neutrinos. Physical Review D, 2018, 98, .	4.7	23
17	Echo Technique to Distinguish Flavors of Astrophysical Neutrinos. Physical Review Letters, 2019, 122, 151101.	7.8	22
18	Core-collapse supernovae stymie secret neutrino interactions. Physical Review D, 2021, 103, .	4.7	22

#	Article	IF	Citations
19	Fundamental Physics with High-Energy Astrophysical Neutrinos Today and in the Future. , 2019, , .		19
20	Using high-energy neutrinos as cosmic magnetometers. Physical Review D, 2020, 102, .	4.7	15
21	HIGH ENERGY ASTROPHYSICAL NEUTRINO FLUX AND MODIFIED DISPERSION RELATIONS. International Journal of Modern Physics A, 2009, 24, 5819-5829.	1.5	12
22	The Giant Radio Array for Neutrino Detection. EPJ Web of Conferences, 2017, 135, 02001.	0.3	11
23	Searching for cavities of various densities in the Earthâ€™s crust with a low-energy Î½Ì„e Î²-beam. Modern Physics Letters A, 2015, 30, 1550146.	1.2	6
24	Constraints on the ultra-high-energy neutrino flux from Gamma-Ray bursts from a prototype station of the Askaryan radio array. Astroparticle Physics, 2017, 88, 7-16.	4.3	6
25	Flavors of astrophysical neutrinos with active-sterile mixing. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 029.	5.4	5