Suvodip Mukherjee

List of Publications by Year
in descending order

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27 papers	2,442 citations	430874 18 h-index	580821 25 g-index
27 all docs	27 docs citations	27 times ranked	3157 citing authors

#	Article	IF	Citations
1	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	26.7	808
2	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	26.7	447
3	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. Journal of High Energy Astrophysics, 2022, 34, 49-211.	6.7	350
4	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	4.5	144
5	Probing the theory of gravity with gravitational lensing of gravitational waves and galaxy surveys. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1956-1970.	4.4	85
6	Accurate precision cosmology with redshift unknown gravitational wave sources. Physical Review D, 2021, 103, .	4.7	79
7	Velocity correction for Hubble constant measurements from standard sirens. Astronomy and Astrophysics, 2021, 646, A65.	5.1	54
8	Testing the general theory of relativity using gravitational wave propagation from dark standard sirens. Monthly Notices of the Royal Astronomical Society, 2021, 502, 1136-1144.	4.4	50
9	Can we distinguish astrophysical from primordial black holes via the stochastic gravitational wave background?. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3977-3985.	4.4	50
10	On the importance of source population models for gravitational-wave cosmology. Physical Review D, 2021, 104, .	4.7	48
11	Multimessenger tests of gravity with weakly lensed gravitational waves. Physical Review D, 2020, 101, .	4.7	47
12	Time-dependence of the astrophysical stochastic gravitational wave background. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	40
13	Inferring the lensing rate of LIGOâ€“Virgo sources from the stochastic gravitational wave background. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2451-2466.	4.4	26
14	Mapping the cosmic expansion history from LIGO-Virgo-KAGRA in synergy with DESI and SPHEREx. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2782-2795.	4.4	25
15	GLADE+Â: an extended galaxy catalogue for multimessenger searches with advanced gravitational-wave detectors. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1403-1411.	4.4	25
16	Prospects of discovering subsolar primordial black holes using the stochastic gravitational wave background from third-generation detectors. Monthly Notices of the Royal Astronomical Society, 2022, 510, 6218-6224.	4.4	22
17	Impact of astrophysical binary coalescence time-scales on the rate of lensed gravitational wave events. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3751-3759.	4.4	21
18	Polarized anisotropic spectral distortions of the CMB: galactic and extragalactic constraints on photon-axion conversion. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 045-045.	5.4	20

#	Article	IF	Citations
19	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
20	Cosmic microwave background constraints on a physical model of reionization. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 501, L7-L11.	3.3	16
21	A new probe of axion-like particles: CMB polarization distortions due to cluster magnetic fields. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 032-032.	5.4	15
22	Inevitable imprints of patchy reionization on the cosmic microwave background anisotropy. Monthly Notices of the Royal Astronomical Society, 2020, 500, 232-246.	4.4	15
23	Fundamental physics using the temporal gravitational wave background. Physical Review D, 2021, 104, .	4.7	11
24	Constraints on non-resonant photon-axion conversion from the Planck satellite data. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 031-031.	5.4	10
25	Is patchy reionization an obstacle in detecting the primordial gravitational wave signal?. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2042-2049.	4.4	9
26	FSD: Frequency Space Differential measurement of CMB spectral distortions. Monthly Notices of the Royal Astronomical Society, 2018, 477, 4473-4482.	4.4	5
27	Discovering Axion-Like Particles Using Cosmic Microwave Background as the Backlight. Astronomy Reports, 2021, 65, 995-1001.	0.9	0