Tejaswi Venumadhav

List of Publications by Year
in descending order

23 papers	1,093 citations	567281 15 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	1437 citing authors

#	Article	IF	Citations
1	New binary black hole mergers in the second observing run of Advanced LIGO and Advanced Virgo. Physical Review D, 2020, 101, .	4.7	225
2	Highly spinning and aligned binary black hole merger in the Advanced LIGO first observing run. Physical Review D, 2019, 100, .	4.7	149
3	New search pipeline for compact binary mergers: Results for binary black holes in the first observing run of Advanced LIGO. Physical Review D, 2019, 100, .	4.7	121
4	Sterile neutrino dark matter: Weak interactions in the strong coupling epoch. Physical Review D, 2016, 94, .	4.7	70
5	Distribution of effective spins and masses of binary black holes from the LIGO and Virgo O1â€"O3a observing runs. Physical Review D, 2021, 104, .	4.7	70
6	Effect of lensing magnification on the apparent distribution of black hole mergers. Physical Review D, 2017, 95, .	4.7	67
7	Heating of the intergalactic medium by the cosmic microwave background during cosmic dawn. Physical Review D, 2018, 98, .	4.7	50
8	Microlensing of Extremely Magnified Stars near Caustics of Galaxy Clusters. Astrophysical Journal, 2017, 850, 49.	4.5	44
9	Binary black hole mergers from LIGO/Virgo O1 and O2: Population inference combining confident and marginal events. Physical Review D, 2020, 102, .	4.7	44
10	THE STABILITY OF TIDALLY DEFORMED NEUTRON STARS TO THREE- AND FOUR-MODE COUPLING. Astrophysical Journal, 2014, 781, 23.	4.5	43
11	The Challenges Ahead for Multimessenger Analyses of Gravitational Waves and Kilonova: A Case Study on GW190425. Astrophysical Journal, 2021, 922, 269.	4.5	35
12	Highly Magnified Stars in Lensing Clusters: New Evidence in a Galaxy Lensed by MACS J0416.1-2403. Astrophysical Journal, 2019, 880, 58.	4.5	34
13	Probing Dark Matter Subhalos in Galaxy Clusters Using Highly Magnified Stars. Astrophysical Journal, 2018, 867, 24.	4.5	23
14	Implication of the Shape of the EDGES Signal for the 21 cm Power Spectrum. Astrophysical Journal Letters, 2018, 864, L15.	8.3	21
15	Source properties of the lowest signal-to-noise-ratio binary black hole detections. Physical Review D, 2020, 102, .	4.7	18
16	New probe of magnetic fields in the prereionization epoch. I. Formalism. Physical Review D, 2017, 95, .	4.7	15
17	Asymmetric surface brightness structure of caustic crossing arc in SDSS J1226+2152: a case for dark matter substructure. Monthly Notices of the Royal Astronomical Society, 2020, 495, 3192-3208.	4.4	14
18	Mapping the likelihood of GW190521 with diverse mass and spin priors. Physical Review D, 2021, 104, .	4.7	11

#	Article	IF	Citations
19	Detecting primordial gravitational waves with circular polarization of the redshifted 21Âcm line. I. Formalism. Physical Review D, 2018, 97, .	4.7	10
20	Signs of higher multipoles and orbital precession in GW151226. Physical Review D, 2022, 106, .	4.7	10
21	New probe of magnetic fields in the pre-reionization epoch. II. Detectability. Physical Review D, 2017, 95, .	4.7	9
22	A PRACTICAL THEOREM ON USING INTERFEROMETRY TO MEASURE THE GLOBAL 21 cm SIGNAL. Astrophysical Journal, 2016, 826, 116.	4.5	8
23	Stability of small-scale baryon perturbations during cosmological recombination. Physical Review D, 2015, 91, .	4.7	2