

Riccardo Buscicchio

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

5,035
citations

236925

25
h-index

302126

39
g-index

39
all docs

39
docs citations

39
times ranked

3305
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for intermediate-mass black hole binaries in the third observing run of Advanced LIGO and Advanced Virgo. <i>Astronomy and Astrophysics</i> , 2022, 659, A84.	5.1	32
2	Search for continuous gravitational waves from 20 accreting millisecond x-ray pulsars in O3 LIGO data. <i>Physical Review D</i> , 2022, 105, .	4.7	31
3	Constraints on dark photon dark matter using data from LIGO's and Virgo's third observing run. <i>Physical Review D</i> , 2022, 105, .	4.7	27
4	Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO's Virgo Run O3b. <i>Astrophysical Journal</i> , 2022, 928, 186.	4.5	15
5	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .	6.6	20
6	Search of the early O3 LIGO data for continuous gravitational waves from the Cassiopeia A and Vela Jr. supernova remnants. <i>Physical Review D</i> , 2022, 105, .	4.7	21
7	All-sky search for gravitational wave emission from scalar boson clouds around spinning black holes in LIGO O3 data. <i>Physical Review D</i> , 2022, 105, .	4.7	40
8	Detectability of a spatial correlation between stellar mass black hole mergers and active galactic nuclei in the local Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2092-2097.	4.4	5
9	All-sky, all-frequency directional search for persistent gravitational waves from Advanced LIGO's and Advanced Virgo's first three observing runs. <i>Physical Review D</i> , 2022, 105, .	4.7	18
10	Narrowband Searches for Continuous and Long-duration Transient Gravitational Waves from Known Pulsars in the LIGO-Virgo Third Observing Run. <i>Astrophysical Journal</i> , 2022, 932, 133.	4.5	33
11	Search for Black Hole Merger Families. <i>Astrophysical Journal Letters</i> , 2021, 907, L48.	8.3	9
12	All-sky search in early O3 LIGO data for continuous gravitational-wave signals from unknown neutron stars in binary systems. <i>Physical Review D</i> , 2021, 103, .	4.7	43
13	LoCuSS: The Splashback Radius of Massive Galaxy Clusters and Its Dependence on Cluster Merger History. <i>Astrophysical Journal</i> , 2021, 911, 136.	4.5	11
14	Diving below the Spin-down Limit: Constraints on Gravitational Waves from the Energetic Young Pulsar PSR J0537-6910. <i>Astrophysical Journal Letters</i> , 2021, 913, L27.	8.3	32
15	Population Properties of Compact Objects from the Second LIGO's Virgo Gravitational-Wave Transient Catalog. <i>Astrophysical Journal Letters</i> , 2021, 913, L7.	8.3	514
16	Observation of Gravitational Waves from Two Neutron Star's Black Hole Coalescences. <i>Astrophysical Journal Letters</i> , 2021, 915, L5.	8.3	453
17	Constraints on Cosmic Strings Using Data from the Third Advanced LIGO's Virgo Observing Run. <i>Physical Review Letters</i> , 2021, 126, 241102.	7.8	87
18	Testing general relativity with gravitational-wave catalogs: The insidious nature of waveform systematics. <i>IScience</i> , 2021, 24, 102577.	4.1	17

#	ARTICLE	IF	CITATIONS
19	CWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run. <i>Physical Review X</i> , 2021, 11, .	8.9	1,097
20	Upper limits on the isotropic gravitational-wave background from Advanced LIGO and Advanced Virgo's third observing run. <i>Physical Review D</i> , 2021, 104, .	4.7	192
21	Search for anisotropic gravitational-wave backgrounds using data from Advanced LIGO and Advanced Virgo's first three observing runs. <i>Physical Review D</i> , 2021, 104, .	4.7	62
22	An interactive gravitational-wave detector model for museums and fairs. <i>American Journal of Physics</i> , 2021, 89, 702-712.	0.7	1
23	Evidence for Hierarchical Black Hole Mergers in the Second LIGO-Virgo Gravitational Wave Catalog. <i>Astrophysical Journal Letters</i> , 2021, 915, L35.	8.3	86
24	Bayesian parameter estimation of stellar-mass black-hole binaries with LISA. <i>Physical Review D</i> , 2021, 104, .	4.7	21
25	All-sky search for continuous gravitational waves from isolated neutron stars in the early O3 LIGO data. <i>Physical Review D</i> , 2021, 104, .	4.7	42
26	Searches for Continuous Gravitational Waves from Young Supernova Remnants in the Early Third Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021, 921, 80.	4.5	39
27	Constraints from LIGO O3 Data on Gravitational-wave Emission Due to R-modes in the Glitching Pulsar PSR J0537-6910. <i>Astrophysical Journal</i> , 2021, 922, 71.	4.5	29
28	All-sky search for long-duration gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2021, 104, .	4.7	19
29	All-sky search for short gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run. <i>Physical Review D</i> , 2021, 104, .	4.7	33
30	Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGO-Virgo's Third Observing Run. <i>Astrophysical Journal</i> , 2021, 923, 14.	4.5	59
31	Constraining the Lensing of Binary Black Holes from Their Stochastic Background. <i>Physical Review Letters</i> , 2020, 125, 141102.	7.8	23
32	Constraining the lensing of binary neutron stars from their stochastic background. <i>Physical Review D</i> , 2020, 102, .	4.7	6
33	GW190521: A Binary Black Hole Merger with a Total Mass of $\lesssim 150 M_{\odot}$. <i>Physical Review Letters</i> , 2020, 125, 101102.	7.8	23
34	Populations of double white dwarfs in Milky Way satellites and their detectability with LISA. <i>Astronomy and Astrophysics</i> , 2020, 638, A153.	5.1	42
35	Milky Way Satellites Shining Bright in Gravitational Waves. <i>Astrophysical Journal Letters</i> , 2020, 894, L15.	8.3	25
36	Measuring precession in asymmetric compact binaries. <i>Physical Review Research</i> , 2020, 2, .	3.6	27

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37	Properties and Astrophysical Implications of the 150 M _☉ Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , 2020, 900, L13.	8.3	406
38	Label switching problem in Bayesian analysis for gravitational wave astronomy. <i>Physical Review D</i> , 2019, 100, .	4.7	16
39	Binary Black Hole Population Properties Inferred from the First and Second Observing Runs of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal Letters</i> , 2019, 882, L24.	8.3	566