

Gregorio Carullo

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

14,766
citations

361413

20
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

10890
citing authors

#	ARTICLE	IF	CITATIONS
1	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , 2017, 119, 161101.	7.8	6,413
2	GWTC-1: A Gravitational-Wave Transient Catalog of Compact Binary Mergers Observed by LIGO and Virgo during the First and Second Observing Runs. <i>Physical Review X</i> , 2019, 9, .	8.9	2,022
3	GWTC-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
4	GW190814: Gravitational Waves from the Coalescence of a 23 Solar Mass Black Hole with a 2.6 Solar Mass Compact Object. <i>Astrophysical Journal Letters</i> , 2020, 896, L44.	8.3	1,090
5	GW190521: A Binary Black Hole Merger with a Total Mass of $150 M_{\odot}$. <i>Physical Review Letters</i> , 2020, 125, 101102.	7.8	1,090
6	Population Properties of Compact Objects from the Second LIGO–Virgo Gravitational-Wave Transient Catalog. <i>Astrophysical Journal Letters</i> , 2021, 913, L7.	8.3	514
7	Tests of general relativity with the binary black hole signals from the LIGO-Virgo catalog GWTC-1. <i>Physical Review D</i> , 2019, 100, .	4.7	470
8	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020, 23, 3.	26.7	447
9	Properties and Astrophysical Implications of the $150 M_{\odot}$ Binary Black Hole Merger GW190521. <i>Astrophysical Journal Letters</i> , 2020, 900, L13.	8.3	406
10	Tests of General Relativity with GW170817. <i>Physical Review Letters</i> , 2019, 123, 011102.	7.8	370
11	Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog. <i>Physical Review D</i> , 2021, 103, .	4.7	338
12	A guide to LIGO–Virgo detector noise and extraction of transient gravitational-wave signals. <i>Classical and Quantum Gravity</i> , 2020, 37, 055002.	4.0	188
13	Time-domain effective-one-body gravitational waveforms for coalescing compact binaries with nonprecessing spins, tides, and self-spin effects. <i>Physical Review D</i> , 2018, 98, .	4.7	168
14	Observational black hole spectroscopy: A time-domain multimode analysis of GW150914. <i>Physical Review D</i> , 2019, 99, .	4.7	89
15	On the properties of the massive binary black hole merger GW170729. <i>Physical Review D</i> , 2019, 100, .	4.7	82
16	Empirical tests of the black hole no-hair conjecture using gravitational-wave observations. <i>Physical Review D</i> , 2018, 98, .	4.7	61
17	Enhancing modified gravity detection from gravitational-wave observations using the parametrized ringdown spin expansion coefficients formalism. <i>Physical Review D</i> , 2021, 103, .	4.7	24
18	Constraints on Kerr-Newman black holes from merger-ringdown gravitational-wave observations. <i>Physical Review D</i> , 2022, 105, .	4.7	21

#	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	Quantum black hole spectroscopy: probing the quantum nature of the black hole area using LIGO–Virgo ringdown detections. Classical and Quantum Gravity, 2021, 38, 095005.	4.0	17
21	Bekenstein-Hod Universal Bound on Information Emission Rate Is Obeyed by LIGO-Virgo Binary Black Hole Remnants. Physical Review Letters, 2021, 126, 161102.	7.8	15
22	Eigenvalue repulsions in the quasinormal spectra of the Kerr-Newman black hole. Physical Review D, 2022, 105, .	4.7	15
23	CW150914 peak frequency: a novel consistency test of strong-field general relativity. Classical and Quantum Gravity, 2019, 36, 105009.	4.0	13