Collin D Capano

List of Publications by Year
in descending order

20 papers	1,766 citations	516710 16 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	2374 citing authors

#	Article	IF	Citations
1	The PyCBC search for gravitational waves from compact binary coalescence. Classical and Quantum Gravity, 2016, 33, 215004.	4.0	393
2	Stringent constraints on neutron-star radii from multimessenger observations and nuclear theory. Nature Astronomy, 2020, 4, 625-632.	10.1	269
3	2-OGC: Open Gravitational-wave Catalog of Binary Mergers from Analysis of Public Advanced LIGO and Virgo Data. Astrophysical Journal, 2020, 891, 123.	4.5	178
4	PyCBC Inference: A Python-based Parameter Estimation Toolkit for Compact Binary Coalescence Signals. Publications of the Astronomical Society of the Pacific, 2019, 131, 024503.	3.1	156
5	1-OGC: The First Open Gravitational-wave Catalog of Binary Mergers from Analysis of Public Advanced LIGO Data. Astrophysical Journal, 2019, 872, 195.	4.5	144
6	3-OGC: Catalog of Gravitational Waves from Compact-binary Mergers. Astrophysical Journal, 2021, 922, 76.	4.5	99
7	Low significance of evidence for black hole echoes in gravitational wave data. Physical Review D, 2018, 97, .	4.7	97
8	GW190521 May Be an Intermediate-mass Ratio Inspiral. Astrophysical Journal Letters, 2021, 907, L9.	8.3	82
9	Impact of higher harmonics in searching for gravitational waves from nonspinning binary black holes. Physical Review D, 2014, 89, .	4.7	78
10	Implementing a search for gravitational waves from binary black holes with nonprecessing spin. Physical Review D, 2016, 93, .	4.7	52
11	Observational tests of the black hole area increase law. Physical Review D, 2018, 97, .	4.7	42
12	Parameter estimation and statistical significance of echoes following black hole signals in the first Advanced LIGO observing run. Physical Review D, 2019, 99, .	4.7	42
13	Black hole spectroscopy in the next decade. Physical Review D, 2020, 101, .	4.7	42
14	Detectability of the subdominant mode in a binary black hole ringdown. Physical Review D, 2020, 102, .	4.7	26
15	Potential Gravitational-wave and Gamma-ray Multi-messenger Candidate from 2015 October 30. Astrophysical Journal Letters, 2019, 876, L4.	8.3	21
16	Binary black hole spectroscopy: A no-hair test of GW190814 and GW190412. Physical Review D, 2020, 102, .	4.7	21
17	Investigating the noise residuals around the gravitational wave event GW150914. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 019-019.	5.4	11
18	Posterior samples of the parameters of binary black holes from Advanced LIGO, Virgoâ€™s second observing run. Scientific Data, 2019, 6, 81.	5.3	7

#	Article	IF	Citations
19	Model systematics in time domain tests of binary black hole evolution. Physical Review D, 2022, 105, .	4.7	5
20	Reliability of parameter estimates in the first observing run of Advanced LIGO. Physical Review D, 2021, 103, .	4.7	1