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	Model systematics in time domain tests of binary black hole evolution. Physical Review D, 2022, 105, .	4.7	5
2	GW190521 May Be an Intermediate-mass Ratio Inspiral. Astrophysical Journal Letters, 2021, 907, L9.	8.3	82
3	Reliability of parameter estimates in the first observing run of Advanced LIGO. Physical Review D, 2021, 103, .	4.7	1
4	3-OGC: Catalog of Gravitational Waves from Compact-binary Mergers. Astrophysical Journal, 2021, 922, 76.	4.5	99
5	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
6	Stringent constraints on neutron-star radii from multimessenger observations and nuclear theory. Nature Astronomy, 2020, 4, 625-632.	10.1	269
7	Black hole spectroscopy in the next decade. Physical Review D, 2020, 101, .	4.7	42
8	Detectability of the subdominant mode in a binary black hole ringdown. Physical Review D, 2020, 102, .	4.7	26
9	Binary black hole spectroscopy: A no-hair test of GW190814 and GW190412. Physical Review D, 2020, 102, .	4.7	21
10	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
11	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
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	Potential Gravitational-wave and Gamma-ray Multi-messenger Candidate from 2015 October 30. Astrophysical Journal Letters, 2019, 876, L4.	8.3	21
14	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
15	Investigating the noise residuals around the gravitational wave event GW150914. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 019-019.	5.4	11
16	Observational tests of the black hole area increase law. Physical Review D, 2018, 97, .	4.7	42
17	Low significance of evidence for black hole echoes in gravitational wave data. Physical Review D, 2018, 97, .	4.7	97
18	The PyCBC search for gravitational waves from compact binary coalescence. Classical and Quantum Gravity, 2016, 33, 215004.	4.0	393

#	Article	IF	Citations
19	Implementing a search for gravitational waves from binary black holes with nonprecessing spin. Physical Review D, 2016, 93, .	4.7	52
20	Impact of higher harmonics in searching for gravitational waves from nonspinning binary black holes. Physical Review D, 2014, 89, .	4.7	78