

Antoni Ramos Buades

List of Publications by Year in descending order

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17
papers

1,413
citations

516710

16
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

1189
citing authors

#	ARTICLE	IF	CITATIONS
1	Black holes, gravitational waves and fundamental physics: a roadmap. <i>Classical and Quantum Gravity</i> , 2019, 36, 143001.	4.0	451
2	Bayesian inference for compact binary coalescences with <code>bilby</code> : validation and application to the first LIGO–Virgo gravitational-wave transient catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3295-3319.	4.4	213
3	Computationally efficient models for the dominant and subdominant harmonic modes of precessing binary black holes. <i>Physical Review D</i> , 2021, 103, .	4.7	198
4	Multimode frequency-domain model for the gravitational wave signal from nonprecessing black-hole binaries. <i>Physical Review D</i> , 2020, 102, .	4.7	126
5	Setting the cornerstone for a family of models for gravitational waves from compact binaries: The dominant harmonic for nonprecessing quasicircular black holes. <i>Physical Review D</i> , 2020, 102, .	4.7	121
6	Effective-one-body multipolar waveforms for eccentric binary black holes with nonprecessing spins. <i>Physical Review D</i> , 2022, 105, .	4.7	37
7	First survey of spinning eccentric black hole mergers: Numerical relativity simulations, hybrid waveforms, and parameter estimation. <i>Physical Review D</i> , 2020, 101, .	4.7	35
8	A Detailed Analysis of GW190521 with Phenomenological Waveform Models. <i>Astrophysical Journal</i> , 2022, 924, 79.	4.5	35
9	New twists in compact binary waveform modeling: A fast time-domain model for precession. <i>Physical Review D</i> , 2022, 105, .	4.7	31
10	Impact of eccentricity on the gravitational-wave searches for binary black holes: High mass case. <i>Physical Review D</i> , 2020, 102, .	4.7	29
11	Validity of common modeling approximations for precessing binary black holes with higher-order modes. <i>Physical Review D</i> , 2020, 101, .	4.7	27
12	Phenomenological time domain model for dominant quadrupole gravitational wave signal of coalescing binary black holes. <i>Physical Review D</i> , 2021, 103, .	4.7	26
13	Towards the routine use of subdominant harmonics in gravitational-wave inference: Reanalysis of GW190412 with generation X waveform models. <i>Physical Review D</i> , 2021, 103, .	4.7	25
14	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
15	Time-domain phenomenological model of gravitational-wave subdominant harmonics for quasicircular nonprecessing binary black hole coalescences. <i>Physical Review D</i> , 2022, 105, .	4.7	19
16	Simple procedures to reduce eccentricity of binary black hole simulations. <i>Physical Review D</i> , 2019, 99, .	4.7	18
17	Initial data and eccentricity reduction toolkit for binary black hole numerical relativity waveforms. <i>Classical and Quantum Gravity</i> , 0, , .	4.0	2