

# Javier Roulet

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8745412/publications.pdf>

Version: 2024-02-01

14  
papers

858  
citations

840776

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1125743

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14  
times ranked

935  
citing authors

#	ARTICLE	IF	CITATIONS
1	New binary black hole mergers in the second observing run of Advanced LIGO and Advanced Virgo. Physical Review D, 2020, 101, .	4.7	225
2	Highly spinning and aligned binary black hole merger in the Advanced LIGO first observing run. Physical Review D, 2019, 100, .	4.7	149
3	New search pipeline for compact binary mergers: Results for binary black holes in the first observing run of Advanced LIGO. Physical Review D, 2019, 100, .	4.7	121
4	Constraints on binary black hole populations from LIGO&Virgo detections. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4216-4229.	4.4	90
5	Distribution of effective spins and masses of binary black holes from the LIGO and Virgo O1&O3a observing runs. Physical Review D, 2021, 104, .	4.7	70
6	Detecting gravitational waves with disparate detector responses: Two new binary black hole mergers. Physical Review D, 2021, 104, .	4.7	57
7	Binary black hole mergers from LIGO/Virgo O1 and O2: Population inference combining confident and marginal events. Physical Review D, 2020, 102, .	4.7	44
8	Detecting gravitational waves in data with non-stationary and non-Gaussian noise. Physical Review D, 2021, 104, .	4.7	28
9	Template bank for compact binary coalescence searches in gravitational wave data: A general geometric placement algorithm. Physical Review D, 2019, 99, .	4.7	20
10	Source properties of the lowest signal-to-noise-ratio binary black hole detections. Physical Review D, 2020, 102, .	4.7	18
11	Average activity of excitatory and inhibitory neural populations. Chaos, 2016, 26, 093104.	2.5	15
12	Mapping the likelihood of GW190521 with diverse mass and spin priors. Physical Review D, 2021, 104, .	4.7	11
13	Signs of higher multipoles and orbital precession in GW151226. Physical Review D, 2022, 106, .	4.7	10
14	A Diagrammatic Representation of Phase Portraits and Bifurcation Diagrams of Two-Dimensional Dynamical Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1730045.	1.7	0