

Peter Raffai

List of Publications by Year in descending order

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34
papers

3,491
citations

430874

18
h-index

477307

29
g-index

34
all docs

34
docs citations

34
times ranked

4757
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. <i>Nature Photonics</i> , 2013, 7, 613-619.	31.4	825
2	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3.	26.7	808
3	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
4	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , 2016, 19, 1.	26.7	427
5	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021, 909, 218.	4.5	144
6	GLADE: A galaxy catalogue for multimessenger searches in the advanced gravitational-wave detector era. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 2374-2381.	4.4	129
7	Eccentric Black Hole Gravitational-wave Capture Sources in Galactic Nuclei: Distribution of Binary Parameters. <i>Astrophysical Journal</i> , 2018, 860, 5.	4.5	113
8	SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. <i>Astrophysical Journal</i> , 2010, 715, 1453-1461.	4.5	90
9	Long gravitational-wave transients and associated detection strategies for a network of terrestrial interferometers. <i>Physical Review D</i> , 2011, 83, .	4.7	70
10	Bounding the time delay between high-energy neutrinos and gravitational-wave transients from gamma-ray bursts. <i>Astroparticle Physics</i> , 2011, 35, 1-7.	4.3	69
11	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209.	2.4	69
12	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , 2017, 841, 89.	4.5	52
13	Accuracy of Estimating Highly Eccentric Binary Black Hole Parameters with Gravitational-wave Detections. <i>Astrophysical Journal</i> , 2018, 855, 34.	4.5	46
14	Parameter Estimation for Gravitational-wave Bursts with the BayesWave Pipeline. <i>Astrophysical Journal</i> , 2017, 839, 15.	4.5	38
15	GLADE+Â: an extended galaxy catalogue for multimessenger searches with advanced gravitational-wave detectors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 1403-1411.	4.4	25
16	First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. <i>Physical Review Letters</i> , 2017, 118, 151102.	7.8	24
17	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
18	Optimal networks of future gravitational-wave telescopes. <i>Classical and Quantum Gravity</i> , 2013, 30, 155004.	4.0	19

#	ARTICLE	IF	CITATIONS
19	Eccentricity distributions of eccentric binary black holes in galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 570-581.	4.4	14
20	Benefits of artificially generated gravity gradients for interferometric gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2007, 24, 2217-2229.	4.0	13
21	How to find long narrow-band gravitational wave transients with unknown frequency evolution. <i>Classical and Quantum Gravity</i> , 2007, 24, S457-S468.	4.0	7
22	Opportunity to test non-Newtonian gravity using interferometric sensors with dynamic gravity field generators. <i>Physical Review D</i> , 2011, 84, .	4.7	7
23	Global optimization for future gravitational wave detector sites. <i>Classical and Quantum Gravity</i> , 2015, 32, 105010.	4.0	7
24	A statistical method to search for recoiling supermassive black holes in active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 484-492.	4.4	7
25	Bayesian reconstruction of gravitational-wave signals from binary black holes with nonzero eccentricities. <i>Classical and Quantum Gravity</i> , 2021, 38, 065002.	4.0	7
26	Effects of transients in LIGO suspensions on searches for gravitational waves. <i>Review of Scientific Instruments</i> , 2017, 88, 124501.	1.3	6
27	Concepts and research for future detectors. <i>General Relativity and Gravitation</i> , 2014, 46, 1.	2.0	2
28	A statistical method to detect non-stationarities of gamma-ray burst jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, , .	4.4	2
29	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
30	Interpreting gravitational-wave burst detections: constraining source properties without astrophysical models. <i>Classical and Quantum Gravity</i> , 2020, 37, 105011.	4.0	1
31	Estimation of Blooming Start with the Adaptation of the Unified Model for Three Apricot Cultivars (<i>Prunus armeniaca</i> L.) Based on Long-Term Observations in Hungary (1994â€“2020). <i>Diversity</i> , 2022, 14, 560.	1.7	1
32	A Statistical Method for Detecting Gravitational Recoils of Supermassive Black Holes in Active Galactic Nuclei. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 227-230.	0.0	0
33	CONCEPT STUDY OF YUKAWA-LIKE POTENTIAL TESTS USING DYNAMIC GRAVITY-GRADIENTS WITH INTERFEROMETRIC GRAVITATIONAL-WAVE DETECTORS. , 2008, , .		0
34	Statistical search for angular non-stationarities of long gamma-ray burst jets using <i>Swift</i> data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 6179-6182.	4.4	0