Peter Raffai

List of Publications by Year
in descending order

34 papers	3,491 citations	430442 18 h-index	476904 29 g-index
34 all docs	34 docs citations	34 times ranked	4757 citing authors

#	Article	IF	Citations
1	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	20
2	GLADE+Â: an extended galaxy catalogue for multimessenger searches with advanced gravitational-wave detectors. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1403-1411.	1.6	25
3	Estimation of Blooming Start with the Adaptation of the Unified Model for Three Apricot Cultivars (Prunus armeniaca L.) Based on Long-Term Observations in Hungary (1994â€"2020). Diversity, 2022, 14, 560.	0.7	1
4	Bayesian reconstruction of gravitational-wave signals from binary black holes with nonzero eccentricities. Classical and Quantum Gravity, 2021, 38, 065002.	1.5	7
5	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	1.6	144
6	Statistical search for angular non-stationarities of long gamma-ray burst jets using <i>Swift</i> data. Monthly Notices of the Royal Astronomical Society, 2021, 509, 6179-6182.	1.6	0
7	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	8.2	447
8	Interpreting gravitational-wave burst detections: constraining source properties without astrophysical models. Classical and Quantum Gravity, 2020, 37, 105011.	1.5	1
9	Eccentricity distributions of eccentric binary black holes in galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2019, 486, 570-581.	1.6	14
10	A statistical method to detect non-stationarities of gamma-ray burst jets. Monthly Notices of the Royal Astronomical Society, 2019, , .	1.6	2
11	Accuracy of Estimating Highly Eccentric Binary Black Hole Parameters with Gravitational-wave Detections. Astrophysical Journal, 2018, 855, 34.	1.6	46
12	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	8.2	808
13	Eccentric Black Hole Gravitational-wave Capture Sources in Galactic Nuclei: Distribution of Binary Parameters. Astrophysical Journal, 2018, 860, 5.	1.6	113
14	GLADE: A galaxy catalogue for multimessenger searches in the advanced gravitational-wave detector era. Monthly Notices of the Royal Astronomical Society, 2018, 479, 2374-2381.	1.6	129
15	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
16	Parameter Estimation for Gravitational-wave Bursts with the BayesWave Pipeline. Astrophysical Journal, 2017, 839, 15.	1.6	38
17	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	0.9	69
18	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. Astrophysical Journal, 2017, 841, 89.	1.6	52

#	Article	IF	Citations
19	First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. Physical Review Letters, 2017, 118, 151102.	2.9	24
20	Effects of transients in LIGO suspensions on searches for gravitational waves. Review of Scientific Instruments, 2017, 88, 124501.	0.6	6
21	A Statistical Method for Detecting Gravitational Recoils of Supermassive Black Holes in Active Galactic Nuclei. Proceedings of the International Astronomical Union, 2016, 12, 227-230.	0.0	0
22	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	8.2	427
23	A statistical method to search for recoiling supermassive black holes in active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2016, 455, 484-492.	1.6	7
24	Global optimization for future gravitational wave detector sites. Classical and Quantum Gravity, 2015, 32, 105010.	1.5	7
25	Concepts and research for future detectors. General Relativity and Gravitation, 2014, 46, 1.	0.7	2
26	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. Nature Photonics, 2013, 7, 613-619.	15.6	825
27	Optimal networks of future gravitational-wave telescopes. Classical and Quantum Gravity, 2013, 30, 155004.	1.5	19
28	Long gravitational-wave transients and associated detection strategies for a network of terrestrial interferometers. Physical Review D, 2011, 83, .	1.6	70
29	Opportunity to test non-Newtonian gravity using interferometric sensors with dynamic gravity field generators. Physical Review D, 2011, 84, .	1.6	7
30	Bounding the time delay between high-energy neutrinos and gravitational-wave transients from gamma-ray bursts. Astroparticle Physics, 2011, 35, 1-7.	1.9	69
31	SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. Astrophysical Journal, 2010, 715, 1453-1461.	1.6	90
32	CONCEPT STUDY OF YUKAWA-LIKE POTENTIAL TESTS USING DYNAMIC GRAVITY-GRADIENTS WITH INTERFEROMETRIC GRAVITATIONAL-WAVE DETECTORS. , 2008, , .		0
33	How to find long narrow-band gravitational wave transients with unknown frequency evolution. Classical and Quantum Gravity, 2007, 24, S457-S468.	1.5	7
34	Benefits of artificially generated gravity gradients for interferometric gravitational-wave detectors. Classical and Quantum Gravity, 2007, 24, 2217-2229.	1.5	13