Sebastian Khan

List of Publications by Year
in descending order

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25 papers	4,686 citations	331670 21 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	4232 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, .	6.6	20
2	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	4.5	144
3	Gravitational-wave surrogate models powered by artificial neural networks. Physical Review D, 2021, 103, .	4.7	26
4	Model of gravitational waves from precessing black-hole binaries through merger and ringdown. Physical Review D, 2021, 104, .	4.7	30
5	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	26.7	447
6	Multiwaveform inference of gravitational waves. Physical Review D, 2020, 101, .	4.7	22
7	Modeling the gravitational wave signature of neutron star black hole coalescences. Physical Review D, 2020, 101, .	4.7	61
8	Including higher order multipoles in gravitational-wave models for precessing binary black holes. Physical Review D, 2020, 101, .	4.7	122
9	Phenomenological model for the gravitational-wave signal from precessing binary black holes with two-spin effects. Physical Review D, 2019, 100, .	4.7	136
10	Improving the NRTidal model for binary neutron star systems. Physical Review D, 2019, 100, .	4.7	119
11	Enhancing gravitational waveform models through dynamic calibration. Physical Review D, 2019, 99, .	4.7	6
12	On the properties of the massive binary black hole merger GW170729. Physical Review D, 2019, 100, .	4.7	82
13	Matter imprints in waveform models for neutron star binaries: Tidal and self-spin effects. Physical Review D, 2019, 99, .	4.7	144
14	First Higher-Multipole Model of Gravitational Waves from Spinning and Coalescing Black-Hole Binaries. Physical Review Letters, 2018, 120, 161102.	7.8	161
15	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	26.7	808
16	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
17	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.	4.5	52
18	The most powerful astrophysical events: Gravitational-wave peak luminosity of binary black holes as predicted by numerical relativity. Physical Review D, 2017, 96, .	4.7	30

#	Article	IF	Citations
19	Hierarchical data-driven approach to fitting numerical relativity data for nonprecessing binary black holes with an application to final spin and radiated energy. Physical Review D, 2017, 95, .	4.7	123
20	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	4.0	225
21	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	26.7	427
22	Frequency-domain gravitational waves from nonprecessing black-hole binaries. I. New numerical waveforms and anatomy of the signal. Physical Review D, 2016, 93, .	4.7	511
23	Frequency-domain gravitational waves from nonprecessing black-hole binaries. II. A phenomenological model for the advanced detector era. Physical Review D, 2016, 93, .	4.7	701
24	Sensitivity of the Advanced LIGO detectors at the beginning of gravitational wave astronomy. Physical Review D, 2016, 93, .	4.7	286
25	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1.		1