

Sebastian Khan

List of Publications by Year in descending order

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Version: 2024-02-01

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 | 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 |
| 2 | Frequency-domain gravitational waves from nonprecessing black-hole binaries. II. A phenomenological model for the advanced detector era. <i>Physical Review D</i> , 2016, 93, . | 4.7 | 701 |
| 3 | Frequency-domain gravitational waves from nonprecessing black-hole binaries. I. New numerical waveforms and anatomy of the signal. <i>Physical Review D</i> , 2016, 93, . | 4.7 | 511 |
| 4 | 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 |
| 5 | 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 |
| 6 | Sensitivity of the Advanced LIGO detectors at the beginning of gravitational wave astronomy. <i>Physical Review D</i> , 2016, 93, . | 4.7 | 286 |
| 7 | Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016, 33, 134001. | 4.0 | 225 |
| 8 | First Higher-Multipole Model of Gravitational Waves from Spinning and Coalescing Black-Hole Binaries. <i>Physical Review Letters</i> , 2018, 120, 161102. | 7.8 | 161 |
| 9 | Matter imprints in waveform models for neutron star binaries: Tidal and self-spin effects. <i>Physical Review D</i> , 2019, 99, . | 4.7 | 144 |
| 10 | 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 |
| 11 | Phenomenological model for the gravitational-wave signal from precessing binary black holes with two-spin effects. <i>Physical Review D</i> , 2019, 100, . | 4.7 | 136 |
| 12 | Hierarchical data-driven approach to fitting numerical relativity data for nonprecessing binary black holes with an application to final spin and radiated energy. <i>Physical Review D</i> , 2017, 95, . | 4.7 | 123 |
| 13 | Including higher order multipoles in gravitational-wave models for precessing binary black holes. <i>Physical Review D</i> , 2020, 101, . | 4.7 | 122 |
| 14 | Improving the NRTidal model for binary neutron star systems. <i>Physical Review D</i> , 2019, 100, . | 4.7 | 119 |
| 15 | On the properties of the massive binary black hole merger GW170729. <i>Physical Review D</i> , 2019, 100, . | 4.7 | 82 |
| 16 | Modeling the gravitational wave signature of neutron star black hole coalescences. <i>Physical Review D</i> , 2020, 101, . | 4.7 | 61 |
| 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. <i>Astrophysical Journal</i> , 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. <i>Physical Review D</i> , 2017, 96, . | 4.7 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Model of gravitational waves from precessing black-hole binaries through merger and ringdown. Physical Review D, 2021, 104, . | 4.7 | 30 |
| 20 | Gravitational-wave surrogate models powered by artificial neural networks. Physical Review D, 2021, 103, . | 4.7 | 26 |
| 21 | Multiwaveform inference of gravitational waves. Physical Review D, 2020, 101, . | 4.7 | 22 |
| 22 | First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, . | 6.6 | 20 |
| 23 | Enhancing gravitational waveform models through dynamic calibration. Physical Review D, 2019, 99, . | 4.7 | 6 |
| 24 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1. | | 2 |
| 25 | Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1. | | 1 |