

Maggie Tse

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

3,051
citations

567281

15
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

4036
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Probing squeezing for gravitational-wave detectors with an audio-band field. <i>Physical Review D</i> , 2022, 105, . | 4.7 | 3 |
| 2 | 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 |
| 3 | LIGO detector characterization in the second and third observing runs. <i>Classical and Quantum Gravity</i> , 2021, 38, 135014. | 4.0 | 128 |
| 4 | Approaching the motional ground state of a 10-kg object. <i>Science</i> , 2021, 372, 1333-1336. | 12.6 | 59 |
| 5 | Environmental noise in advanced LIGO detectors. <i>Classical and Quantum Gravity</i> , 2021, 38, 145001. | 4.0 | 38 |
| 6 | LIGO's quantum response to squeezed states. <i>Physical Review D</i> , 2021, 104, . | 4.7 | 19 |
| 7 | Point Absorber Limits to Future Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2021, 127, 241102. | 7.8 | 3 |
| 8 | Sensitivity and performance of the Advanced LIGO detectors in the third observing run. <i>Physical Review D</i> , 2020, 102, . | 4.7 | 196 |
| 9 | Quantum correlations between light and the kilogram-mass mirrors of LIGO. <i>Nature</i> , 2020, 583, 43-47. | 27.8 | 102 |
| 10 | Frequency-Dependent Squeezing for Advanced LIGO. <i>Physical Review Letters</i> , 2020, 124, 171102. | 7.8 | 99 |
| 11 | Low phase noise squeezed vacuum for future generation gravitational wave detectors. <i>Classical and Quantum Gravity</i> , 2020, 37, 185014. | 4.0 | 5 |
| 12 | Improving the robustness of the advanced LIGO detectors to earthquakes. <i>Classical and Quantum Gravity</i> , 2020, 37, 235007. | 4.0 | 11 |
| 13 | Advanced LIGO squeezer platform for backscattered light and optical loss reduction. <i>Classical and Quantum Gravity</i> , 2020, 37, 215015. | 4.0 | 2 |
| 14 | Quantum-Enhanced Advanced LIGO Detectors in the Era of Gravitational-Wave Astronomy. <i>Physical Review Letters</i> , 2019, 123, 231107. | 7.8 | 359 |
| 15 | 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 |
| 16 | The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209. | 2.4 | 69 |
| 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 | Audio-Band Frequency-Dependent Squeezing for Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2016, 116, 041102. | 7.8 | 77 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Ultra-low phase noise squeezed vacuum source for gravitational wave detectors. <i>Optica</i> , 2016, 3, 682. | 9.3 | 52 |
| 20 | 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 |