Lee Mcculler

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7588557/publications.pdf

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20 papers	1,501 citations	687363 13 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	2159 citing authors

#	Article	IF	Citations
1	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
2	Quantum-Enhanced Advanced LIGO Detectors in the Era of Gravitational-Wave Astronomy. Physical Review Letters, 2019, 123, 231107.	7.8	359
3	Sensitivity and performance of the Advanced LIGO detectors in the third observing run. Physical Review D, 2020, 102, .	4.7	196
4	Quantum correlations between light and the kilogram-mass mirrors of LIGO. Nature, 2020, 583, 43-47.	27.8	102
5	Frequency-Dependent Squeezing for Advanced LIGO. Physical Review Letters, 2020, 124, 171102.	7.8	99
6	Approaching the motional ground state of a 10-kg object. Science, 2021, 372, 1333-1336.	12.6	59
7	MHz gravitational wave constraints with decameter Michelson interferometers. Physical Review D, 2017, 95, .	4.7	48
8	Environmental noise in advanced LIGO detectors. Classical and Quantum Gravity, 2021, 38, 145001.	4.0	38
9	First Measurements of High Frequency Cross-Spectra from a Pair of Large Michelson Interferometers. Physical Review Letters, 2016, 117, 111102.	7.8	33
10	Interferometric constraints on quantum geometrical shear noise correlations. Classical and Quantum Gravity, 2017, 34, 165005.	4.0	25
11	The Holometer: an instrument to probe Planckian quantum geometry. Classical and Quantum Gravity, 2017, 34, 065005.	4.0	23
12	LIGOâ€™s quantum response to squeezed states. Physical Review D, 2021, 104, .	4.7	19
13	Tuning Advanced LIGO to kilohertz signals from neutron-star collisions. Physical Review D, 2021, 103, .	4.7	14
14	Interferometric Constraints on Spacelike Coherent Rotational Fluctuations. Physical Review Letters, 2021, 126, 241301.	7.8	9
15	Squeezing in Gravitational Wave Detectors. Galaxies, 2022, 10, 46.	3.0	8
16	Optimal detuning for quantum filter cavities. Physical Review D, 2020, 102, .	4.7	7
17	Demonstration of an amplitude filter cavity at gravitational-wave frequencies. Physical Review D, 2020, 102, .	4.7	5
18	Low phase noise squeezed vacuum for future generation gravitational wave detectors. Classical and Quantum Gravity, 2020, 37, 185014.	4.0	5

#	Article	IF	Citations
19	Probing squeezing for gravitational-wave detectors with an audio-band field. Physical Review D, 2022, 105, .	4.7	3
20	Advanced LIGO squeezer platform for backscattered light and optical loss reduction. Classical and Quantum Gravity, 2020, 37, 215015.	4.0	2