

Richard L Savage

List of Publications by Year in descending order

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17
papers

2,137
citations

759233

12
h-index

888059

17
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17
docs citations

17
times ranked

3371
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, 2018, 21, 3.	26.7	808
2	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
3	Quantum-Enhanced Advanced LIGO Detectors in the Era of Gravitational-Wave Astronomy. Physical Review Letters, 2019, 123, 231107.	7.8	359
4	Stabilized high-power laser system for the gravitational wave detector advanced LIGO. Optics Express, 2012, 20, 10617.	3.4	153
5	Characterization of systematic error in Advanced LIGO calibration. Classical and Quantum Gravity, 2020, 37, 225008.	4.0	98
6	The Advanced LIGO photon calibrators. Review of Scientific Instruments, 2016, 87, 114503.	1.3	65
7	Approaching the motional ground state of a 10-kg object. Science, 2021, 372, 1333-1336.	12.6	59
8	Precise calibration of LIGO test mass actuators using photon radiation pressure. Classical and Quantum Gravity, 2009, 26, 245011.	4.0	29
9	Improving LIGO calibration accuracy by tracking and compensating for slow temporal variations. Classical and Quantum Gravity, 2017, 34, 015002.	4.0	25
10	Point absorbers in Advanced LIGO. Applied Optics, 2021, 60, 4047.	1.8	24
11	Fiducial displacements with improved accuracy for the global network of gravitational wave detectors. Classical and Quantum Gravity, 2021, 38, 015009.	4.0	20
12	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
13	Accurate calibration of test mass displacement in the LIGO interferometers. Classical and Quantum Gravity, 2010, 27, 084024.	4.0	12
14	Advanced LIGO Laser Systems for O3 and Future Observation Runs. Galaxies, 2020, 8, 84.	3.0	7
15	Calibration of the LIGO displacement actuators via laser frequency modulation. Classical and Quantum Gravity, 2010, 27, 215001.	4.0	6
16	A bilateral comparison of NIST and PTB laser power standards for scale realization confidence by gravitational wave observatories. Metrologia, 2021, 58, 055011.	1.2	4
17	Toward Calibration of the Global Network of Gravitational Wave Detectors with Sub-Percent Absolute and Relative Accuracy. Galaxies, 2022, 10, 42.	3.0	1