

Richard L Savage

List of Publications by Year in descending order

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17
papers

2,137
citations

759233

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888059

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docs citations

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times ranked

3371
citing authors

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