

# Andrew Spencer

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

14  
papers

1,037  
citations

9  
h-index

17  
g-index

17  
ext. papers

1,597  
ext. citations

9.4  
avg, IF

0.96  
L-index

#	Paper	IF	Citations
14	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , <b>2021</b> , 909, 218	4.7	46
13	Approaching the motional ground state of a 10-kg object. <i>Science</i> , <b>2021</b> , 372, 1333-1336	33.3	14
12	Experimental investigation of the limitations of polarisation optics for future gravitational wave detectors based on the polarisation Sagnac speedmeter. <i>Classical and Quantum Gravity</i> , <b>2021</b> , 38, 195004 <sup>3</sup>	2.3	2
11	Point Absorber Limits to Future Gravitational-Wave Detectors.. <i>Physical Review Letters</i> , <b>2021</b> , 127, 241107 <sup>2</sup>	7.4	0
10	Improving the robustness of the advanced LIGO detectors to earthquakes. <i>Classical and Quantum Gravity</i> , <b>2020</b> , 37, 235007	3.3	4
9	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , <b>2020</b> , 23, 3	32.5	144
8	Advanced LIGO Laser Systems for O3 and Future Observation Runs. <i>Galaxies</i> , <b>2020</b> , 8, 84	2	1
7	Quantum-Enhanced Advanced LIGO Detectors in the Era of Gravitational-Wave Astronomy. <i>Physical Review Letters</i> , <b>2019</b> , 123, 231107	7.4	182
6	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , <b>2018</b> , 21, 3	32.5	543
5	Effects of static and dynamic higher-order optical modes in balanced homodyne readout for future gravitational waves detectors. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	6
4	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> , <b>2017</b> , 841, 89	4.7	42
3	Candidates for a possible third-generation gravitational wave detector: comparison of ring-Sagnac and sloshing-Sagnac speedmeter interferometers. <i>Classical and Quantum Gravity</i> , <b>2017</b> , 34, 024001	3.3	11
2	Local-oscillator noise coupling in balanced homodyne readout for advanced gravitational wave detectors. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	13
1	LIGO detector characterization in the second and third observing runs. <i>Classical and Quantum Gravity</i> ,	3.3	31