

# Sam Cooper

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1492129/publications.pdf>

Version: 2024-02-01

16  
papers

15,955  
citations

840119

11  
h-index

940134

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

11964  
citing authors

#	ARTICLE	IF	CITATIONS
1	A six degree-of-freedom fused silica seismometer: design and tests of a metal prototype. Classical and Quantum Gravity, 2022, 39, 015006.	1.5	9
2	Interferometric sensing of a commercial geophone. Classical and Quantum Gravity, 2022, 39, 075023.	1.5	9
3	Metasurface-enhanced spatial mode decomposition. Physical Review A, 2022, 105, .	1.0	1
4	Approaching the motional ground state of a 10-kg object. Science, 2021, 372, 1333-1336.	6.0	59
5	An interactive gravitational-wave detector model for museums and fairs. American Journal of Physics, 2021, 89, 702-712.	0.3	1
6	GW190521: A Binary Black Hole Merger with a Total Mass of $150 M_{\odot}$ . Physical Review Letters, 2020, 125, 101102.	2.9	1,473
7	Towards windproofing LIGO: reducing the effect of wind-driven floor tilt by using rotation sensors in active seismic isolation. Classical and Quantum Gravity, 2020, 37, 185018.	1.5	11
8	Particle swarming of sensor correction filters. Classical and Quantum Gravity, 2020, 37, 205009.	1.5	2
9	Quantum-Enhanced Advanced LIGO Detectors in the Era of Gravitational-Wave Astronomy. Physical Review Letters, 2019, 123, 231107.	2.9	359
10	A compact, large-range interferometer for precision measurement and inertial sensing. Classical and Quantum Gravity, 2018, 35, 095007.	1.5	31
11	Contributed Review: A review of compact interferometers. Review of Scientific Instruments, 2018, 89, 121501.	0.6	32
12	GW170817: Measurements of Neutron Star Radii and Equation of State. Physical Review Letters, 2018, 121, 161101.	2.9	1,473
13	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101.	2.9	1,600
14	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. Physical Review Letters, 2017, 119, 161101.	2.9	6,413
15	Multi-messenger Observations of a Binary Neutron Star Merger. Astrophysical Journal Letters, 2017, 848, L12.	3.0	2,805
16	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. Astrophysical Journal Letters, 2017, 848, L13.	3.0	2,314