

Leonid Prokhorov

List of Publications by Citations

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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.

17 papers	1,356 citations	6 h-index	19 g-index
19 ext. papers	1,833 ext. citations	8 avg, IF	1.11 L-index

#	Paper	IF	Citations
17	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. <i>Nature Photonics</i> , 2013 , 7, 613-619	33.9	572
16	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018 , 21, 3	32.5	543
15	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020 , 23, 3	32.5	144
14	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> , 2017 , 841, 89	4.7	42
13	First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. <i>Physical Review Letters</i> , 2017 , 118, 151102	7.4	18
12	Quantum correlation measurements in interferometric gravitational-wave detectors. <i>Physical Review A</i> , 2017 , 95,	2.6	9
11	Space charge polarization in fused silica test masses of a gravitational wave detector associated with an electrostatic drive. <i>Classical and Quantum Gravity</i> , 2010 , 27, 225014	3.3	6
10	Effects of transients in LIGO suspensions on searches for gravitational waves. <i>Review of Scientific Instruments</i> , 2017 , 88, 124501	1.7	4
9	The road to the discovery of gravitational waves. <i>Physics-Uspekhi</i> , 2016 , 59, 879-885	2.8	4
8	Mechanical losses of oscillators fabricated in silicon wafers. <i>Classical and Quantum Gravity</i> , 2015 , 32, 195002	3.9	3
7	An interferometric sensor for measuring small oscillations of torsional oscillators. <i>Instruments and Experimental Techniques</i> , 2013 , 56, 215-218	0.5	3
6	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA 2018 , 21, 1		2
5	Measurement of mechanical losses in the carbon nanotube black coating of silicon wafers. <i>Classical and Quantum Gravity</i> , 2020 , 37, 015004	3.3	2
4	Measurement of mechanical loss in the Acktar Black coating of silicon wafers. <i>Classical and Quantum Gravity</i> , 2016 , 33, 185002	3.3	2
3	Using silicon disk resonators to measure mechanical losses caused by an electric field.. <i>Review of Scientific Instruments</i> , 2022 , 93, 014501	1.7	1
2	Evolution of the charge distribution on the surface of fused silica. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2008 , 72, 1196-1198	0.4	
1	Measurement of fluctuations of electrostatic force acting between a dielectric plate and an electrostatic drive. <i>Review of Scientific Instruments</i> , 2017 , 88, 044701	1.7	

