Leonid Prokhorov

List of Publications by Year in Descending Order

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	Using silicon disk resonators to measure mechanical losses caused by an electric field.. *Review of Scientific Instruments*, **2022**, 93, 014501	1.7	1
16	Measurement of mechanical losses in the carbon nanotube black coating of silicon wafers. *Classical and Quantum Gravity*, **2020**, 37, 015004	3.3	2
15	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. *Living Reviews in Relativity*, **2020**, 23, 3	32.5	144
14	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. *Living Reviews in Relativity*, **2018**, 21, 3	32.5	543
13	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA **2018**, 21, 1		2
12	Quantum correlation measurements in interferometric gravitational-wave detectors. *Physical Review A*, **2017**, 95,	2.6	9
11	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. *Astrophysical Journal*, **2017**, 841, 89	4.7	42
10	First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. *Physical Review Letters*, **2017**, 118, 151102	7.4	18
9	Effects of transients in LIGO suspensions on searches for gravitational waves. *Review of Scientific Instruments*, **2017**, 88, 124501	1.7	4
8	Measurement of fluctuations of electrostatic force acting between a dielectric plate and an electrostatic drive. *Review of Scientific Instruments*, **2017**, 88, 044701	1.7	
7	The road to the discovery of gravitational waves. *Physics-Uspekhi*, **2016**, 59, 879-885	2.8	4
6	Measurement of mechanical loss in the Acktar Black coating of silicon wafers. *Classical and Quantum Gravity*, **2016**, 33, 185002	3.3	2
5	Mechanical losses of oscillators fabricated in silicon wafers. *Classical and Quantum Gravity*, **2015**, 32, 195002	3.3	3
4	An interferometric sensor for measuring small oscillations of torsional oscillators. *Instruments and Experimental Techniques*, **2013**, 56, 215-218	0.5	3
3	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. *Nature Photonics*, **2013**, 7, 613-619	33.9	572
2	Space charge polarization in fused silica test masses of a gravitational wave detector associated with an electrostatic drive. *Classical and Quantum Gravity*, **2010**, 27, 225014	3.3	6
1	Evolution of the charge distribution on the surface of fused silica. *Bulletin of the Russian Academy of Sciences: Physics*, **2008**, 72, 1196-1198	0.4	