

Leonid Prokhorov

List of Publications by Year in descending order

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19
papers

2,219
citations

1163117

8
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

3733
citing authors

#	ARTICLE	IF	CITATIONS
1	A six degree-of-freedom fused silica seismometer: design and tests of a metal prototype. <i>Classical and Quantum Gravity</i> , 2022, 39, 015006.	4.0	9
2	Using silicon disk resonators to measure mechanical losses caused by an electric field. <i>Review of Scientific Instruments</i> , 2022, 93, 014501.	1.3	1
3	Measurement of mechanical losses in the carbon nanotube black coating of silicon wafers. <i>Classical and Quantum Gravity</i> , 2020, 37, 015004.	4.0	2
4	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
5	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
6	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
7	Quantum correlation measurements in interferometric gravitational-wave detectors. <i>Physical Review A</i> , 2017, 95, .	2.5	16
8	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.	4.5	52
9	First Demonstration of Electrostatic Damping of Parametric Instability at Advanced LIGO. <i>Physical Review Letters</i> , 2017, 118, 151102.	7.8	24
10	Effects of transients in LIGO suspensions on searches for gravitational waves. <i>Review of Scientific Instruments</i> , 2017, 88, 124501.	1.3	6
11	Measurement of fluctuations of electrostatic force acting between a dielectric plate and an electrostatic drive. <i>Review of Scientific Instruments</i> , 2017, 88, 044701.	1.3	0
12	The road to the discovery of gravitational waves. <i>Physics-Usppekhi</i> , 2016, 59, 879-885.	2.2	9
13	Measurement of mechanical loss in the Aclar Black coating of silicon wafers. <i>Classical and Quantum Gravity</i> , 2016, 33, 185002.	4.0	2
14	Mechanical losses of oscillators fabricated in silicon wafers. <i>Classical and Quantum Gravity</i> , 2015, 32, 195002.	4.0	4
15	An interferometric sensor for measuring small oscillations of torsional oscillators. <i>Instruments and Experimental Techniques</i> , 2013, 56, 215-218.	0.5	3
16	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. <i>Nature Photonics</i> , 2013, 7, 613-619.	31.4	825
17	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.	4.0	9
18	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.	0.6	0

#	ARTICLE	IF	CITATIONS
19	MEASUREMENTS OF ELECTRICAL CHARGE DISTRIBUTION VARIATIONS ON FUSED SILICA. , 2008, , .		0