

Sergey Fedorov

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

384
citations

1307543

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1588975

8
g-index

8
all docs

8
docs citations

8
times ranked

447
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastic strain engineering for ultralow mechanical dissipation. <i>Science</i> , 2018, 360, 764-768.	12.6	219
2	Generalized dissipation dilution in strained mechanical resonators. <i>Physical Review B</i> , 2019, 99, .	3.2	47
3	Fractal-like Mechanical Resonators with a Soft-Clamped Fundamental Mode. <i>Physical Review Letters</i> , 2020, 124, 025502.	7.8	31
4	Strained crystalline nanomechanical resonators with quality factors above 10 billion. <i>Nature Physics</i> , 2022, 18, 436-441.	16.7	31
5	Hierarchical tensile structures with ultralow mechanical dissipation. <i>Nature Communications</i> , 2022, 13, .	12.8	21
6	Thermal intermodulation noise in cavity-based measurements. <i>Optica</i> , 2020, 7, 1609.	9.3	15
7	Two-stage laser cooling and optical trapping of thulium atoms. <i>Laser Physics</i> , 2014, 24, 074018.	1.2	13
8	Improved measurement of the hyperfine structure of the laser cooling level $4f^{12} (^3H_6) 5d_{5/2} 6s^2$ ($J=9/2$) in ${}^{169}\text{Tm}$. <i>Applied Physics B: Lasers and Optics</i> , 2015, 121, 275-282.	2.2	7