

Dejan Davidovikj

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

877
citations

567281

15
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1235
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene Squeeze-Film Pressure Sensors. <i>Nano Letters</i> , 2016, 16, 568-571.	9.1	143
2	Nonlinear dynamic characterization of two-dimensional materials. <i>Nature Communications</i> , 2017, 8, 1253.	12.8	96
3	Isorecticular two-dimensional magnetic coordination polymers prepared through pre-synthetic ligand functionalization. <i>Nature Chemistry</i> , 2018, 10, 1001-1007.	13.6	94
4	Visualizing the Motion of Graphene Nanodrums. <i>Nano Letters</i> , 2016, 16, 2768-2773.	9.1	74
5	Highly Anisotropic Mechanical and Optical Properties of 2D Layered As ₂ S ₃ Membranes. <i>ACS Nano</i> , 2019, 13, 10845-10851.	14.6	60
6	Express Optical Analysis of Epitaxial Graphene on SiC: Impact of Morphology on Quantum Transport. <i>Nano Letters</i> , 2013, 13, 4217-4223.	9.1	51
7	Static Capacitive Pressure Sensing Using a Single Graphene Drum. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43205-43210.	8.0	47
8	Sensitive capacitive pressure sensors based on graphene membrane arrays. <i>Microsystems and Nanoengineering</i> , 2020, 6, 102.	7.0	44
9	Sealing Graphene Nanodrums. <i>Nano Letters</i> , 2019, 19, 5313-5318.	9.1	41
10	Dynamics of 2D material membranes. <i>2D Materials</i> , 2021, 8, 042001.	4.4	41
11	Optomechanics for thermal characterization of suspended graphene. <i>Physical Review B</i> , 2017, 96, .	3.2	38
12	On-chip Heaters for Tension Tuning of Graphene Nanodrums. <i>Nano Letters</i> , 2018, 18, 2852-2858.	9.1	27
13	Ultrathin complex oxide nanomechanical resonators. <i>Communications Physics</i> , 2020, 3, .	5.3	24
14	Experimental characterization of graphene by electrostatic resonance frequency tuning. <i>Journal of Applied Physics</i> , 2017, 122, 234302.	2.5	20
15	Graphene mechanical pixels for Interferometric Modulator Displays. <i>Nature Communications</i> , 2018, 9, 4837.	12.8	16
16	Graphene gas pumps. <i>2D Materials</i> , 2018, 5, 031009.	4.4	15
17	Amplitude calibration of 2D mechanical resonators by nonlinear optical transduction. <i>Applied Physics Letters</i> , 2017, 111, 253104.	3.3	14
18	Tunable Strong Coupling of Mechanical Resonance between Spatially Separated FePS ₃ Nanodrums. <i>Nano Letters</i> , 2022, 22, 36-42.	9.1	13

#	ARTICLE	IF	CITATIONS
19	Quantum paraelectricity probed by superconducting resonators. Physical Review B, 2017, 95, .	3.2	8
20	Bimodal Phase Diagram of the Superfluid Density in $\text{LaAlO}_3/\text{SrTiO}_3$ Revealed by an Interfacial Waveguide Resonator. Physical Review Letters, 2019, 122, 036801.	3.2	3
21	Graphene gas pumps. , 2018, , .		3