

# Makars Å iÅjkins

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9238002/publications.pdf>

Version: 2024-02-01

16  
papers

484  
citations

759233

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1058476

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g-index

17  
all docs

17  
docs citations

17  
times ranked

727  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic and electronic phase transitions probed by nanomechanical resonators. Nature Communications, 2020, 11, 2698.	12.8	69
2	Highly Anisotropic Mechanical and Optical Properties of 2D Layered As <sub>2</sub> S <sub>3</sub> Membranes. ACS Nano, 2019, 13, 10845-10851.	14.6	60
3	Controlling the anisotropy of a van der Waals antiferromagnet with light. Science Advances, 2021, 7, .	10.3	59
4	Sensitive capacitive pressure sensors based on graphene membrane arrays. Microsystems and Nanoengineering, 2020, 6, 102.	7.0	44
5	Graphene hot-electron light bulb: incandescence from hBN-encapsulated graphene in air. 2D Materials, 2018, 5, 011006.	4.4	43
6	Sealing Graphene Nanodrums. Nano Letters, 2019, 19, 5313-5318.	9.1	41
7	High-temperature electronic devices enabled by hBN-encapsulated graphene. Applied Physics Letters, 2019, 114, .	3.3	32
8	Ultrathin complex oxide nanomechanical resonators. Communications Physics, 2020, 3, .	5.3	24
9	Chemical Design and Magnetic Ordering in Thin Layers of 2D Metal-Organic Frameworks (MOFs). Journal of the American Chemical Society, 2021, 143, 18502-18510.	13.7	22
10	High-frequency gas effusion through nanopores in suspended graphene. Nature Communications, 2020, 11, 6025.	12.8	21
11	Nanomechanical probing and strain tuning of the Curie temperature in suspended Cr <sub>2</sub> Ge <sub>2</sub> Te <sub>6</sub> -based heterostructures. Npj 2D Materials and Applications, 2022, 6, .	7.9	21
12	Coupling Lattice Instabilities Across the Interface in Ultrathin Oxide Heterostructures. , 2020, 2, 389-394.		15
13	Study of charge density waves in suspended 2H-TaS <sub>2</sub> and 2H-TaSe <sub>2</sub> by nanomechanical resonance. Applied Physics Letters, 2021, 118, .	3.3	14
14	Tunable Strong Coupling of Mechanical Resonance between Spatially Separated FePS <sub>3</sub> Nanodrums. Nano Letters, 2022, 22, 36-42.	9.1	13
15	Modal analysis for density and anisotropic elasticity identification of adsorbates on microcantilevers. Applied Physics Letters, 2018, 113, .	3.3	6
16	Highly Transmittive Broadband Dielectric Nanoholes. , 2017, , .		0