

Elena Blundo

List of Publications by Year in descending order

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papers

470
citations

840585

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887953

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422
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Distribution in Tin Halide Perovskite. Solar Rrl, 2022, 6, 2100825.	3.1	8
2	Interplay of lattice, spin, and dipolar properties in CoTeMoO_6 : Emergence of Griffiths-like phase, metamagnetic transition, and magnetodielectric effect. Physical Review B, 2022, 105, .	1.1	5
3	Vibrational Properties in Highly Strained Hexagonal Boron Nitride Bubbles. Nano Letters, 2022, 22, 1525-1533.	4.5	30
4	Tailoring the optical properties of 2D transition metal dichalcogenides by strain. Optical Materials, 2022, 125, 112087.	1.7	9
5	Gap Opening in Double-Sided Highly Hydrogenated Free-Standing Graphene. Nano Letters, 2022, 22, 2971-2977.	4.5	9
6	Mechanical, Elastic, and Adhesive Properties of Two-Dimensional Materials: From Straining Techniques to State-of-the-Art Local Probe Measurements. Advanced Materials Interfaces, 2022, 9, .	1.9	24
7	Strain-tuning of the electronic, optical, and vibrational properties of two-dimensional crystals. Applied Physics Reviews, 2021, 8, .	5.5	67
8	Experimental Adhesion Energy in van der Waals Crystals and Heterostructures from Atomically Thin Bubbles. Physical Review Letters, 2021, 127, 046101.	2.9	36
9	Exceptional Elasticity of Microscale Constrained MoS_2 Domes. ACS Applied Materials & Interfaces, 2021, 13, 48228-48238.	4.0	13
10	Deuterium Adsorption on Free-Standing Graphene. Nanomaterials, 2021, 11, 130.	1.9	14
11	Towards free-standing graphane: atomic hydrogen and deuterium bonding to nano-porous graphene. Nanotechnology, 2021, 32, 035707.	1.3	12
12	Nanoscale Measurements of Elastic Properties and Hydrostatic Pressure in H_2 -Bulged MoS_2 Membranes. Advanced Materials Interfaces, 2020, 7, 2001024.	1.9	26
13	Hole and Electron Effective Masses in Single InP Nanowires with a Wurtzite-Zincblende Homojunction. ACS Nano, 2020, 14, 11613-11622.	7.3	8
14	The Interaction of Hydrogen with the van der Waals Crystal β -InSe. Molecules, 2020, 25, 2526.	1.7	11
15	Engineered Creation of Periodic Giant, Nonuniform Strains in MoS_2 Monolayers. Advanced Materials Interfaces, 2020, 7, 2000621.	1.9	38
16	Evidence of the direct-to-indirect band gap transition in strained two-dimensional WS_2 , WSe_2 , and MoS_2 .	1.3	100
17	Controlled Micro/Nanodome Formation in Proton-Irradiated Bulk Transition-Metal Dichalcogenides. Advanced Materials, 2019, 31, e1903795.	11.1	60