

Vladimir S Prudkovskiy

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

538
citations

1039406

9
h-index

996533

15
g-index

16
all docs

16
docs citations

16
times ranked

951
citing authors

#	ARTICLE	IF	CITATIONS
1	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	2.0	333
2	Chemisorption of hydrogen atoms and hydroxyl groups on stretched graphene: A coupled QM/QM study. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2686-2690.	0.9	32
3	Influence of methyl functional groups on the stability of cubane carbon cage. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 81, 1-6.	1.3	27
4	Molecular dynamics simulation of nickel-coated graphene bending. Micro and Nano Letters, 2018, 13, 160-164.	0.6	27
5	Efficient cleaning of graphene from residual lithographic polymers by ozone treatment. Carbon, 2016, 109, 221-226.	5.4	24
6	Relative stabilities of various fully functionalized graphene polymorphs under mechanical strain and electric field. Applied Surface Science, 2019, 463, 1051-1057.	3.1	19
7	Thermal stability of hexaprismane C ₁₂ H ₁₂ and octaprismane C ₁₆ H ₁₆ . Physics of the Solid State, 2015, 57, 1023-1027.	0.2	18
8	Magnetotransport Subband Spectroscopy in InAs Nanowires. Physical Review Letters, 2014, 112, 076801.	2.9	16
9	Highly Ordered Boron Nitride/Epigraphene Epitaxial Films on Silicon Carbide by Lateral Epitaxial Deposition. ACS Nano, 2020, 14, 12962-12971.	7.3	14
10	Electronic coupling in fullerene-doped semiconducting carbon nanotubes probed by Raman spectroscopy and electronic transport. Carbon, 2013, 57, 498-506.	5.4	8
11	A bottom-up approach for controlled deformation of carbon nanotubes through blistering of supporting substrate surface. Nanotechnology, 2018, 29, 365304.	1.3	7
12	Non-Invasive Nanoscale Potentiometry and Ballistic Transport in Epigraphene Nanoribbons. Nano Letters, 2020, 20, 3786-3790.	4.5	6
13	NMR Investigation of the local diamagnetic properties of carbon structures with multilayer nanotubes. Low Temperature Physics, 2009, 35, 123-129.	0.2	4
14	Terphenylthiazole-based self-assembled monolayers on cobalt with high conductance photo-switching ratio for spintronics. Nanoscale, 2022, 14, 5725-5742.	2.8	2
15	Effect of a Nitrogen Doping and a Mechanical Stress on the Adsorption Capacity of Graphdiene. Physics of the Solid State, 2019, 61, 274-278.	0.2	1