Xun Guo

List of Publications by Year
in descending order

14 papers	347 citations	1163117 8 h-index	1125743 13 g-index
14 all docs	14 docs citations	14 times ranked	531 citing authors

#	Article	IF	Citations
1	Computational Study of Low-Energy Pt-Ion Implantation into Graphene for Single-Atom Catalysis. ACS Applied Nano Materials, 2022, 5, 8583-8593.	5.0	2
2	Electronic Properties of Multilayer MoS₂ Field Effect Transistor with Unique Irradiation Resistance. Journal of Physical Chemistry C, 2021, 125, 2089-2096.	3.1	13
3	Electronic transport properties of graphene with Stone-Wales defects and multiple vacancy chains: a theoretical study. Applied Surface Science, 2020, 531, 147347.	6.1	17
4	Origin of nonequilibrium 1/f noise in solid-state nanopores. Nanoscale, 2020, 12, 8975-8981.	5.6	7
5	Dehydration-Determined Ion Selectivity of Graphene Subnanopores. ACS Applied Materials & Interfaces, 2020, 12, 24281-24288.	8.0	39
6	Uranium adsorption on two-dimensional irradiation resistant MXenes from first-principles calculations. Chemical Physics Letters, 2020, 750, 137444.	2.6	22
7	Molecular Dynamics Analysis of Chemical Disorders Induced by Irradiated Point Defects in 6H-SiC. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2020, 35, 889.	1.3	2
8	Deep learning inter-atomic potential model for accurate irradiation damage simulations. Applied Physics Letters, 2019, 114, .	3.3	31
9	A semi-classical model for the charge exchange and energy loss of slow highly charged ions in ultrathin materials. Matter and Radiation at Extremes, 2019, 4, 054401.	3.9	5
10	An atomically-thin graphene reverse electrodialysis system for efficient energy harvesting from salinity gradient. Nano Energy, 2019, 57, 783-790.	16.0	58
11	Computational simulation of He bubble evolution in fcc Cu with Î£3 twin boundary using object kinetic Monte Carlo method. Nuclear Instruments & Methods in Physics Research B, 2018, 436, 22-28.	1.4	0
12	Ti₂CO₂ Nanotubes with Negative Strain Energies and Tunable Band Gaps Predicted from First-Principles Calculations. Journal of Physical Chemistry Letters, 2016, 7, 5280-5284.	4.6	37
13	High adsorption capacity of heavy metals on two-dimensional MXenes: an ab initio study with molecular dynamics simulation. Physical Chemistry Chemical Physics, 2016, 18, 228-233.	2.8	109
14	KMC simulation of helium bubble formation in alpha-Fe. Nuclear Instruments & Methods in Physics Research B, 2013, 307, 77-80.	1.4	5