Huaping Xiao

List of Publications by Year
in descending order

13 papers	**292** citations	1307594 **7** h-index	1125743 **13** g-index
13 all docs	**13** docs citations	**13** times ranked	**451** citing authors

#	Article	IF	Citations
1	A Bond-order Theory on the Phonon Scattering by Vacancies in Two-dimensional Materials. Scientific Reports, 2014, 4, 5085.	3.3	91
2	Thermoelectric properties of gamma-graphyne nanoribbons and nanojunctions. Journal of Applied Physics, 2013, 114, .	2.5	49
3	Anisotropic thermal transport in Weyl semimetal TaAs: a first principles calculation. Physical Chemistry Chemical Physics, 2016, 18, 16709-16714.	2.8	36
4	Spin Switch of the Transition-Metal-Doped Boron Nitride Sheet through H/F Chemical Decoration. Journal of Physical Chemistry C, 2014, 118, 8899-8906.	3.1	27
5	Strain engineering of magnetic state in vacancy-doped phosphorene. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 3270-3277.	2.1	26
6	Growth of graphene structure on 6H-SiC(0001): Molecular dynamics simulation. Journal of Applied Physics, 2008, 103, .	2.5	25
7	Thermoelectric properties of graphene nanoribbons with surface roughness. Applied Physics Letters, 2018, 112, .	3.3	20
8	Magnetic anisotropy of metal functionalized phthalocyanine 2D networks. Journal of Solid State Chemistry, 2016, 238, 41-45.	2.9	5
9	Electronic structures of twist-stacked 1T-TaS2 bilayers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2302-2308.	2.1	5
10	Gradient measurement of synchrotron polarization diagnostic: Application to spatially separated emission and Faraday rotation regions. Monthly Notices of the Royal Astronomical Society, 2021, 505, 6206-6216.	4.4	3
11	Enhancement of thermoelectric performance of gamma-graphyne through incorporating a hexagonal quantum dot. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 205-210.	2.1	2
12	Improving the thermoelectric properties of carbon nanotubes through introducing graphene nanosprings. Current Applied Physics, 2020, 20, 150-154.	2.4	2
13	Slater–Koster parametrization for the phonons of monolayer MoX_2 (X = S, Se or Te). Journal of Physics Condensed Matter, 2022, 34, 195702.	1.8	1