

Tian Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

148
citations

1684188

5
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

236
citing authors

#	ARTICLE	IF	CITATIONS
1	Stacked bilayer phosphorene: strain-induced quantum spin Hall state and optical measurement. <i>Scientific Reports</i> , 2015, 5, 13927.	3.3	64
2	Predicted low thermal conductivities in antimony films and the role of chemical functionalization. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 30061-30067.	2.8	25
3	Dumbbell silicene: a strain-induced room temperature quantum spin Hall insulator. <i>New Journal of Physics</i> , 2016, 18, 043001.	2.9	24
4	Stable two-dimensional pentagonal tellurene: A high ZT thermoelectric material with a negative Poisson's ratio. <i>Applied Surface Science</i> , 2021, 559, 149851.	6.1	8
5	PHASE TRANSITION AND THERMODYNAMIC PROPERTIES OF MAGNESIUM FLUORIDE BY FIRST PRINCIPLES. <i>International Journal of Modern Physics B</i> , 2014, 28, 1450026.	2.0	7
6	Quantum anomalous/valley Hall effect and tunable quantum state in hydrogenated arsenene decorated with a transition metal. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 12138-12148.	2.8	5
7	The effects of oxidation on the electronic, thermal and mechanical properties of antimonene: First-principles study. <i>Chemical Physics Letters</i> , 2019, 715, 56-63.	2.6	5
8	Ab initio calculations of quantum transport of Au-GaN-Au nanoscale junctions. <i>RSC Advances</i> , 2014, 4, 51838-51844.	3.6	4
9	Thermoelectric properties of antimony films: roles of oxidation and topological quantum state. <i>Nanotechnology</i> , 2020, 31, 485704.	2.6	4
10	Superior mechanical flexibility, lattice thermal conductivity and electron mobility of the hexagonal honeycomb carbon nitride monolayer. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 13951-13964.	2.8	2