

Yierpan Aierken

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

653
citations

1163117

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1199594

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12
all docs

12
docs citations

12
times ranked

1168
citing authors

#	ARTICLE	IF	CITATIONS
1	MXenes/graphene heterostructures for Li battery applications: a first principles study. Journal of Materials Chemistry A, 2018, 6, 2337-2345.	10.3	173
2	Promising Piezoelectric Performance of Single Layer Transition-Metal Dichalcogenides and Dioxides. Journal of Physical Chemistry C, 2015, 119, 23231-23237.	3.1	164
3	Thermal properties of black and blue phosphorenes from a first-principles quasiharmonic approach. Physical Review B, 2015, 92, .	3.2	140
4	A first-principles study of stable few-layer penta-silicene. Physical Chemistry Chemical Physics, 2016, 18, 18486-18492.	2.8	51
5	Portlandite crystal: Bulk, bilayer, and monolayer structures. Physical Review B, 2015, 91, .	3.2	34
6	Strain enhancement of acoustic phonon limited mobility in monolayer TiS_3 . Physical Chemistry Chemical Physics, 2016, 18, 14434-14441.	2.8	27
7	Defect-induced faceted blue phosphorene nanotubes. Physical Review B, 2015, 92, .	3.2	26
8	Intrinsic magnetism in penta-hexa-graphene: A first-principles study. Physical Review B, 2016, 94, .	3.2	17
9	Mixed-solvent thermal synthesis and magnetic properties of flower-like microstructured nickel. Particuology, 2012, 10, 392-396.	3.6	6
10	In pursuit of barrierless transition metal dichalcogenides lateral heterojunctions. Nanotechnology, 2018, 29, 295202.	2.6	6
11	Revealing Charge-Transfer Dynamics at Electrified Sulfur Cathodes Using Constrained Density Functional Theory. Journal of Physical Chemistry Letters, 2021, 12, 739-744.	4.6	5
12	First-principles study of the stability and edge stress of nitrogen-decorated graphene nanoribbons. Physical Review B, 2018, 97, .	3.2	4