

Fangbao Jiao

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

569
citations

933447

10
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

1254
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward a Comprehensive Understanding of Mode-Specific Dynamics of Polyatomic Reactions: A Full-Dimensional Quantum Dynamics Study of the H + NH ₃ Reaction. <i>Journal of Physical Chemistry A</i> , 2022, 126, 663-669.	2.5	6
2	High-pressure phases of a Mn–N system. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 1830-1839.	2.8	5
3	Remote Passivation in Two-Dimensional Materials: The Case of the Monolayer–Bilayer Lateral Junction of MoSe ₂ . <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8046-8052.	4.6	1
4	Energy density of high-pressure nitrogen-rich MN _x compounds. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 7313-7320.	2.8	6
5	High-Pressure FeN _x : Stability, Phase Transition, and Energetic Characteristic. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19953-19961.	3.1	15
6	Photoinduced Vacancy Ordering and Phase Transition in MoTe ₂ . <i>Nano Letters</i> , 2019, 19, 3612-3617.	9.1	43
7	Formation mechanism of twin domain boundary in 2D materials: The case for WTe ₂ . <i>Nano Research</i> , 2019, 12, 569-573.	10.4	7
8	Traditional Semiconductors in the Two-Dimensional Limit. <i>Physical Review Letters</i> , 2018, 120, 086101.	7.8	52
9	van der Waals epitaxy of CdS thin films on single-crystalline graphene. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	24
10	The crystalline/amorphous contact in Cu ₂ O/Ta ₂ O ₅ heterostructures: increasing its sunlight-driven overall water splitting efficiency. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2732-2738.	10.3	41
11	Band alignment of two-dimensional lateral heterostructures. <i>2D Materials</i> , 2017, 4, 015038.	4.4	80
12	New twinning route in face-centered cubic nanocrystalline metals. <i>Nature Communications</i> , 2017, 8, 2142.	12.8	110
13	Enhanced van der Waals epitaxy via electron transfer enabled interfacial dative bond formation. <i>Physical Review Materials</i> , 2017, 1, .	2.4	4
14	Structural and Electronic Properties of Interfaces in Graphene and Hexagonal Boron Nitride Lateral Heterostructures. <i>Chemistry of Materials</i> , 2016, 28, 5022-5028.	6.7	63
15	Phonon-Enabled Carrier Transport of Localized States at Non-Polar Semiconductor Surfaces: A First-Principles-Based Prediction. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3548-3553.	4.6	6
16	Solvent-Based Atomistic Theory for Doping Colloidal-Synthesized Quantum Dots via Cation Exchange. <i>Journal of Physical Chemistry C</i> , 2016, 120, 27085-27090.	3.1	6
17	Carbon as a source for yellow luminescence in GaN: Isolated CN defect or its complexes. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	67
18	Microscopic Origin for Electrically Benign Small-angle Grain Boundaries in Low-cost Semiconductors. <i>Materials Research Letters</i> , 2014, 2, 51-56.	8.7	3

#	ARTICLE	IF	CITATIONS
19	Structure and sources of disorder in poly(3-hexylthiophene) crystals investigated by density functional calculations with van der Waals interactions. Physical Review B, 2011, 83, .	3.2	30
20	Revised local atomic potential method for predicting properties of energetic materials. Journal of Energetic Materials, 0, , 1-17.	2.0	0