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List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

450
citations

840776

11
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

450
citing authors

#	ARTICLE	IF	CITATIONS
1	MXenes as promising catalysts for water dissociation. Applied Catalysis B: Environmental, 2020, 260, 118191.	20.2	94
2	Facile Heterogeneously Catalyzed Nitrogen Fixation by MXenes. ACS Catalysis, 2020, 10, 5049-5056.	11.2	67
3	Origami rules for the construction of localized eigenstates of the Hubbard model in decorated lattices. Scientific Reports, 2015, 5, 16852.	3.3	41
4	Carbon Capture and Usage by MXenes. ACS Catalysis, 2021, 11, 11248-11255.	11.2	40
5	First-Principles Calculations on the Adsorption Behavior of Amino Acids on a Titanium Carbide MXene. ACS Applied Bio Materials, 2020, 3, 5913-5921.	4.6	39
6	MXenes atomic layer stacking phase transitions and their chemical activity consequences. Physical Review Materials, 2020, 4, .	2.4	31
7	The Ti ₂ CO ₂ MXene as a nucleobase 2D sensor: A first-principles study. Applied Surface Science, 2021, 544, 148946.	6.1	27
8	Can we rely on hybrid-DFT energies of solid-state problems with local-DFT geometries?. Electronic Structure, 2019, 1, 015008.	2.8	18
9	Magnetic phase diagram of the Hubbard model in the Lieb lattice. Journal of Magnetism and Magnetic Materials, 2015, 382, 312-317.	2.3	16
10	Surface-Enhanced Raman Scattering due to a Synergistic Effect on ZnS and Graphene Oxide. Journal of Physical Chemistry C, 2020, 124, 12742-12751.	3.1	14
11	M-center in 4H-SiC: Isothermal DLTS and first principles modeling studies. Journal of Applied Physics, 2021, 130, .	2.5	12
12	Spin and charge density waves in the Lieb lattice. Journal of Magnetism and Magnetic Materials, 2016, 405, 292-303.	2.3	10
13	<i>M</i> center in 4 <i>H</i> -SiC is a carbon self-interstitial. Physical Review B, 2021, 103, .	3.2	10
14	Sticky-MARTINI as a reactive coarse-grained model for molecular dynamics simulations of silica polymerization. Npj Computational Materials, 2022, 8, .	8.7	10
15	Catalytic reactions for H ₂ production on multimetallic surfaces: a review. JPhys Energy, 2021, 3, 032016.	5.3	7
16	Structural and energetic properties of vacancy defects in MXene surfaces. Physical Review Materials, 2022, 6, .	2.4	5
17	Evolution of localized states in Lieb lattices under time-dependent magnetic fields. Physical Review B, 2016, 94, .	3.2	4
18	Mesoscale model of the synthesis of periodic mesoporous benzene-silica. Journal of Molecular Liquids, 2020, 316, 113861.	4.9	3

#	ARTICLE	IF	CITATIONS
19	Topologically protected states in a spider web lattice. Physical Review Research, 2020, 2, .	3.6	2
20	Localized states in bipartite fcc lattices. Journal of Magnetism and Magnetic Materials, 2018, 468, 44-49.	2.3	0