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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	Structural and energetic properties of vacancy defects in MXene surfaces. <i>Physical Review Materials</i> , 2022, 6, .	2.4	5
2	Sticky-MARTINI as a reactive coarse-grained model for molecular dynamics simulations of silica polymerization. <i>Npj Computational Materials</i> , 2022, 8, .	8.7	10
3	The Ti ₂ CO ₂ MXene as a nucleobase 2D sensor: A first-principles study. <i>Applied Surface Science</i> , 2021, 544, 148946.	6.1	27
4	<i>M</i> -center in 4H-SiC is a carbon self-interstitial. <i>Physical Review B</i> , 2021, 103, .	3.2	10
5	Catalytic reactions for H ₂ production on multimetallic surfaces: a review. <i>JPhys Energy</i> , 2021, 3, 032016.	5.3	7
6	Carbon Capture and Usage by MXenes. <i>ACS Catalysis</i> , 2021, 11, 11248-11255.	11.2	40
7	<i>M</i> -center in 4H-SiC: Isothermal DLTS and first principles modeling studies. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	12
8	MXenes as promising catalysts for water dissociation. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118191.	20.2	94
9	Mesoscale model of the synthesis of periodic mesoporous benzene-silica. <i>Journal of Molecular Liquids</i> , 2020, 316, 113861.	4.9	3
10	First-Principles Calculations on the Adsorption Behavior of Amino Acids on a Titanium Carbide MXene. <i>ACS Applied Bio Materials</i> , 2020, 3, 5913-5921.	4.6	39
11	Surface-Enhanced Raman Scattering due to a Synergistic Effect on ZnS and Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12742-12751.	3.1	14
12	Facile Heterogeneously Catalyzed Nitrogen Fixation by MXenes. <i>ACS Catalysis</i> , 2020, 10, 5049-5056.	11.2	67
13	MXenes atomic layer stacking phase transitions and their chemical activity consequences. <i>Physical Review Materials</i> , 2020, 4, .	2.4	31
14	Topologically protected states in a spider web lattice. <i>Physical Review Research</i> , 2020, 2, .	3.6	2
15	Can we rely on hybrid-DFT energies of solid-state problems with local-DFT geometries?. <i>Electronic Structure</i> , 2019, 1, 015008.	2.8	18
16	Localized states in bipartite fcc lattices. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 468, 44-49.	2.3	0
17	Evolution of localized states in Lieb lattices under time-dependent magnetic fields. <i>Physical Review B</i> , 2016, 94, .	3.2	4
18	Spin and charge density waves in the Lieb lattice. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 405, 292-303.	2.3	10

#	ARTICLE	IF	CITATIONS
19	Origami rules for the construction of localized eigenstates of the Hubbard model in decorated lattices. <i>Scientific Reports</i> , 2015, 5, 16852.	3.3	41
20	Magnetic phase diagram of the Hubbard model in the Lieb lattice. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 382, 312-317.	2.3	16