

Xiaojie Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5237142/publications.pdf>

Version: 2024-02-01

35
papers

904
citations

687363

13
h-index

454955

30
g-index

35
all docs

35
docs citations

35
times ranked

1276
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the co-adsorption of small molecules from air on the properties of penta-graphene and their proton transfer calculation. <i>Physical Chemistry Chemical Physics</i> , 2022, , .	2.8	0
2	Comparative Study of Proton Exchange in Tri- and Hexatitanates: Correlations between Stability and Electronic Properties. <i>Inorganic Chemistry</i> , 2022, 61, 3918-3930.	4.0	6
3	Hybrid heterostructure of transition metal dichalcogenides as potential photocatalyst for hydrogen evolution. <i>Applied Surface Science</i> , 2022, 599, 154057.	6.1	7
4	g-C ₃ N ₄ /TiO ₂ -B{100} heterostructures used as promising photocatalysts for water splitting from a hybrid density functional study. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 17703-17715.	2.8	6
5	Strain-driven anisotropic AgI [−] S chains and semiconductor-to-metal transition in monoclinic Ag ₂ S. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 169, 110879.	4.0	0
6	Mechanism of Metal Intercalation under Graphene through Small Vacancy Defects. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6954-6962.	3.1	13
7	Interactions and electronic properties of adatom/Gra/adatom sandwich complexes. <i>Materials Chemistry and Physics</i> , 2021, 272, 125013.	4.0	0
8	Structures and stabilities of glycine and water complexes. <i>Chemical Physics</i> , 2020, 528, 110528.	1.9	5
9	Amorphous Ag _{2-x} Cu _x S quantum dots: “all-in-one”-theranostic nanomedicines for near-infrared fluorescence/photoacoustics dual-modal-imaging-guided photothermal therapy. <i>Chemical Engineering Journal</i> , 2020, 399, 125777.	12.7	19
10	Effect of intrinsic vacancy defects on the electronic properties of monoclinic Ag ₂ S. <i>Materials Chemistry and Physics</i> , 2020, 249, 122961.	4.0	14
11	Electronic and optical properties of gold-doped endohedral fullerenes. <i>Journal of Materials Science</i> , 2020, 55, 12980-12994.	3.7	2
12	Defect-mediated intercalation of dysprosium on buffer layer graphene supported by SiC(0001) substrate. <i>Chemical Physics Letters</i> , 2020, 742, 137162.	2.6	3
13	Theoretical investigation of dissociative and non-dissociative acetic-acid on TiO ₂ -B surfaces. <i>Applied Surface Science</i> , 2019, 494, 850-858.	6.1	8
14	The effect of oxidation on the electronic properties of penta-graphene: first-principles calculation. <i>RSC Advances</i> , 2019, 9, 8253-8261.	3.6	14
15	Ring-Stacking Water Clusters: Morphology and Stabilities. <i>ChemistryOpen</i> , 2019, 8, 210-218.	1.9	15
16	Niobium-Doped TiO ₂ : Effect of an Interstitial Oxygen Atom on the Charge State of Niobium. <i>Inorganic Chemistry</i> , 2019, 58, 3090-3098.	4.0	14
17	Dy adsorption and penetration on defected graphene by first-principles calculations. <i>Materials Research Express</i> , 2018, 5, 025022.	1.6	8
18	First-principles study of electronic properties of Cu doped Ag ₂ S. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 425502.	1.8	10

#	ARTICLE	IF	CITATIONS
19	Interplay between quantum confinement and surface effects in thickness selective stability of thin Ag and Eu films. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 185504.	1.8	4
20	Oscillatory electrostatic potential on graphene induced by group IV element decoration. <i>Scientific Reports</i> , 2017, 7, 13152.	3.3	4
21	Transition metal partially supported graphene: Magnetism and oscillatory electrostatic potentials. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	2
22	Growth mode and structures of magnetic Mn clusters on graphene. <i>RSC Advances</i> , 2016, 6, 64595-64604.	3.6	7
23	Metal intercalation-induced selective adatom mass transport on graphene. <i>Nano Research</i> , 2016, 9, 1434-1441.	10.4	7
24	Interplay between surface and surface resonance states on height selective stability of fcc Dy(111) film at nanoscale. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31238-31243.	2.8	2
25	Magnetic Moment Enhancement for Mn ₇ Cluster on Graphene. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19123-19128.	3.1	12
26	Electronic and spin transport properties of graphene nanoribbon mediated by metal adatoms: a study by the QUAMBO-NEGF approach. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 105302.	1.8	7
27	Metals on Graphene: Interactions, Growth Morphology, and Thermal Stability. <i>Crystals</i> , 2013, 3, 79-111.	2.2	135
28	Directed assembly of Ru nanoclusters on Ru(0001)-supported graphene: STM studies and atomistic modeling. <i>Physical Review B</i> , 2012, 86, .	3.2	27
29	Growth morphology and thermal stability of metal islands on graphene. <i>Physical Review B</i> , 2012, 86, .	3.2	38
30	Metals on graphene: correlation between adatom adsorption behavior and growth morphology. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9157.	2.8	145
31	Fe-Fe adatom interaction and growth morphology on graphene. <i>Physical Review B</i> , 2011, 84, .	3.2	23
32	Bonding and charge transfer by metal adatom adsorption on graphene. <i>Physical Review B</i> , 2011, 83, .	3.2	167
33	Energetic and fragmentation stability of water clusters (H ₂ O) _n , n=2-30. <i>Chemical Physics Letters</i> , 2011, 508, 270-275.	2.6	45
34	Metal Nanostructure Formation on Graphene: Weak versus Strong Bonding. <i>Advanced Materials</i> , 2011, 23, 2082-2087.	21.0	69
35	Adsorption and growth morphology of rare-earth metals on graphene studied by <i>ab initio</i> calculations and scanning tunneling microscopy. <i>Physical Review B</i> , 2010, 82, .	3.2	66