

Shuo Li

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27
papers

996
citations

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h-index

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g-index

28
ext. papers

1,275
ext. citations

7.4
avg, IF

4.89
L-index

#	Paper	IF	Citations
27	First-principles and experimental study of nitrogen/sulfur co-doped carbon nanosheets as anodes for rechargeable sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15565-15574	13	104
26	An Ultrafast Conducting Polymer@MXene Positive Electrode with High Volumetric Capacitance for Advanced Asymmetric Supercapacitors. <i>Small</i> , 2020 , 16, e1906851	11	98
25	A promising single atom catalyst for CO oxidation: Ag on boron vacancies of h-BN sheets. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 16795-16805	3.6	84
24	Sodium storage mechanism of N, S co-doped nanoporous carbon: Experimental design and theoretical evaluation. <i>Energy Storage Materials</i> , 2018 , 11, 274-281	19.4	83
23	First principles study on the interfacial properties of NM/graphdiyne (NM = Pd, Pt, Rh and Ir): The implications for NM growing. <i>Applied Surface Science</i> , 2016 , 360, 1-7	6.7	78
22	CrTiC-based double MXenes: novel 2D bipolar antiferromagnetic semiconductor with gate-controllable spin orientation toward antiferromagnetic spintronics. <i>Nanoscale</i> , 2018 , 11, 356-364	7.7	77
21	CO oxidation on Mn-N4 porphyrin-like carbon nanotube: A DFT-D study. <i>Applied Surface Science</i> , 2017 , 426, 1232-1240	6.7	75
20	Two-dimensional Janus transition-metal dichalcogenides with intrinsic ferromagnetism and half-metallicity. <i>Computational Materials Science</i> , 2018 , 152, 151-157	3.2	48
19	Charge-regulated CO ₂ capture capacity of metal atom embedded graphyne: A first-principles study. <i>Applied Surface Science</i> , 2020 , 509, 145392	6.7	44
18	Interface Engineering between the Metal-Organic Framework Nanocrystal and Graphene toward Ultrahigh Potassium-Ion Storage Performance. <i>ACS Nano</i> , 2020 , 14, 10210-10218	16.7	42
17	Sulfur doped graphene as a promising metal-free electrocatalyst for oxygen reduction reaction: a DFT-D study. <i>RSC Advances</i> , 2017 , 7, 20398-20405	3.7	37
16	Remarkably enhanced ferromagnetism in a super-exchange governed Cr ₂ Ge ₂ Te ₆ monolayer via molecular adsorption. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5084-5093	7.1	32
15	Ultrafine FeS ₂ nanocrystals/porous nitrogen-doped carbon hybrid nanospheres encapsulated in three-dimensional graphene for simultaneous efficient lithium and sodium ion storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26342-26350	13	29
14	The mechanism of oxygen activation on single Pt-atom doped SnO ₂ (110) surface. <i>Journal of Materials Science</i> , 2016 , 51, 10400-10407	4.3	24
13	Phosphorene: A promising metal free cathode material for proton exchange membrane fuel cell. <i>Applied Surface Science</i> , 2019 , 479, 590-594	6.7	21
12	CO ₂ thermoreduction to methanol on the MoS ₂ supported single Co atom catalyst: A DFT study. <i>Applied Surface Science</i> , 2020 , 528, 147047	6.7	20
11	Tuning metal cluster catalytic activity with morphology and composition: a DFT study of O ₂ dissociation at the global minimum of Pt _m Pd _n (m + n = 5) clusters. <i>RSC Advances</i> , 2016 , 6, 104388-104397	3.7	18

10	Low lattice thermal conductivity and promising thermoelectric figure of merit of Zintl type TlInTe ₂ . <i>Journal of Materials Chemistry C</i> , 2018 , 6, 13269-13274	7.1	18
9	Control of spintronic and electronic properties of bimetallic and vacancy-ordered vanadium carbide MXenes via surface functionalization. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 25802-25808	3.6	14
8	Mechanisms of direct hydrogen peroxide synthesis on silicon and phosphorus dual-doped graphene: a DFT-D study. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 9007-9015	3.6	13
7	The growth pattern of Ptn (n = 1B) clusters on pentagonal B2C monolayer support: A computational study. <i>Applied Surface Science</i> , 2020 , 507, 145076	6.7	10
6	Unravelling Photoinduced Interlayer Spin Transfer Dynamics in Two-Dimensional Nonmagnetic-Ferromagnetic van der Waals Heterostructures. <i>Nano Letters</i> , 2021 , 21, 3237-3244	11.5	9
5	Tuning magnetism at the two-dimensional limit: a theoretical perspective. <i>Nanoscale</i> , 2021 ,	7.7	6
4	Intrinsic valley polarization in 2D magnetic MXenes: surface engineering induced spin-valley coupling. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 11132-11141	7.1	6
3	Origins of promising thermoelectric performance in quaternary selenide BaAg ₂ SnSe ₄ . <i>Applied Physics Express</i> , 2019 , 12, 071006	2.4	3
2	Doping isolated one-dimensional antiferromagnetic semiconductor vanadium tetrasulfide (VS ₄) nanowires with carriers induces half-metallicity. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 3122-3128	7.1	2
1	Ultrafast Light-Induced Ferromagnetic State in Transition Metal Dichalcogenides Monolayers.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2765-2771	6.4	1