

Lixiu Guan

List of Publications by Year in descending order

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papers

331
citations

840776
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docs citations

27
times ranked

474
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of interfacial coupling on photocatalytic performance of large scale MoS ₂ /TiO ₂ hetero-thin films. Applied Physics Letters, 2015, 106, 081602.	3.3	47
2	Boosted cycling stability of CoP nano-needles based hybrid supercapacitor with high energy density upon surface phosphorization. Electrochimica Acta, 2021, 368, 137690.	5.2	29
3	Interfacial engineering of MoS ₂ /TiO ₂ hybrids for enhanced electrocatalytic hydrogen evolution reaction. Applied Physics Express, 2016, 9, 095801.	2.4	27
4	Morphology control of Ni ₃ S ₂ multiple structures and their effect on supercapacitor performances. Journal of Materials Science, 2019, 54, 12737-12746.	3.7	26
5	Defect assisted coupling of a MoS ₂ /TiO ₂ interface and tuning of its electronic structure. Nanotechnology, 2016, 27, 355203.	2.6	24
6	Tailoring the electronic and magnetic properties of monolayer SnO by B, C, N, O and F adatoms. Scientific Reports, 2017, 7, 44568.	3.3	21
7	Phase Transition-Promoted Hydrogen Evolution Performance of MoS ₂ /VO ₂ Hybrids. Journal of Physical Chemistry C, 2018, 122, 2618-2623.	3.1	20
8	Well-patterned Au nanodots on MoS ₂ /TiO ₂ hybrids for enhanced hydrogen evolution activity. Electrochimica Acta, 2018, 283, 419-427.	5.2	16
9	Mechanism of Magnetic Coupling in Carrier-Doped SnO Nanosheets. Physical Review Applied, 2017, 8, .	3.8	13
10	Origin of Intrinsic Direct Band Gap of Janus Group-III Chalcogenide Monolayers. Physica Status Solidi (B): Basic Research, 2019, 256, 1900070.	1.5	12
11	Strong Spin-Phonon Coupling in Two-Dimensional Magnetic Semiconductor CrSBr. Journal of Physical Chemistry C, 2022, 126, 10574-10583.	3.1	12
12	Prediction of the electronic structure of single-walled black phosphorus nanotubes. Physical Chemistry Chemical Physics, 2016, 18, 15177-15181.	2.8	11
13	Prospect of Ni-related metal oxides for high-performance supercapacitor electrodes. Journal of Materials Science, 2021, 56, 1897-1918.	3.7	11
14	Nano-dendrite structured cobalt phosphide based hybrid supercapacitor with high energy storage and cycling stability. Nanotechnology, 2022, 33, 085403.	2.6	10
15	Strain effect on electronic structure of two-dimensional In ₂ -InSe nanosheets. Applied Physics Express, 2017, 10, 125202.	2.4	8
16	Effect of morphology and stacking on atomic interaction and magnetic characteristics in two-dimensional H-phase VS ₂ few layers. Journal of Materials Science, 2022, 57, 5873-5884.	3.7	8
17	The Magnetic Proximity Effect Induced Large Valley Splitting in 2D InSe/Fel ₂ Heterostructures. Nanomaterials, 2020, 10, 1642.	4.1	7
18	A 2D Rashba electron gas with large spin splitting in Janus structures of SnPbO ₂ . Physical Chemistry Chemical Physics, 2020, 22, 11409-11416.	2.8	7

#	ARTICLE	IF	CITATIONS
19	Dandelion-shaped cobalt and nickel phosphide hybrids for high performance electrochemical energy storage. Materials Chemistry and Physics, 2020, 255, 123580.	4.0	5
20	Tunable magnetic coupling and high Curie temperature of two-dimensional PtBr ₃ via van der Waals heterostructures. Applied Surface Science, 2022, 572, 151478.	6.1	5
21	Competitive Growth Mechanism of WS ₂ /MoS ₂ Vertical Heterostructures at High Temperature. Physica Status Solidi (B): Basic Research, 2017, 254, 1700219.	1.5	4
22	Prediction of directional magnetic-exchange coupling in Mn doped Γ^3 -InSe monolayer. Results in Physics, 2019, 14, 102416.	4.1	3
23	Effect of inplane strain on the electronic structure of mono- and bilayer black phosphorus. Physica Status Solidi (B): Basic Research, 2016, 253, 1729-1733.	1.5	2
24	Tungsten and nitrogen co-doped TiO ₂ nanobelts with significant visible light photoactivity. Surface and Interface Analysis, 2018, 50, 146-153.	1.8	2
25	Strong valley splitting in d ⁰ two-dimensional SnO induced by magnetic proximity effect. Nanotechnology, 2021, 32, 225201.	2.6	1
26	Subsurface growth of ultrathin Ni films on Cu(001) surfaces: Photoemission singularity index study. Journal of Crystal Growth, 2016, 433, 160-164.	1.5	0
27	Hole-mediated ferromagnetic coupling in two-dimensional CrI ₃ /VSe ₂ van der Waals heterostructures. Surface Science, 2022, 723, 122121.	1.9	0