

# Lixiu Guan

## List of Publications by Year in descending order

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27  
papers

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citations

840585

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839398

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docs citations

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times ranked

474  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable magnetic coupling and high Curie temperature of two-dimensional PtBr <sub>3</sub> via van der Waals heterostructures. <i>Applied Surface Science</i> , 2022, 572, 151478.	3.1	5
2	Nano-dendrite structured cobalt phosphide based hybrid supercapacitor with high energy storage and cycling stability. <i>Nanotechnology</i> , 2022, 33, 085403.	1.3	10
3	Effect of morphology and stacking on atomic interaction and magnetic characteristics in two-dimensional H-phase VS <sub>2</sub> few layers. <i>Journal of Materials Science</i> , 2022, 57, 5873-5884.	1.7	8
4	Hole-mediated ferromagnetic coupling in two-dimensional CrI <sub>3</sub> /VSe <sub>2</sub> van der Waals heterostructures. <i>Surface Science</i> , 2022, 723, 122121.	0.8	0
5	Strong Spin-Phonon Coupling in Two-Dimensional Magnetic Semiconductor CrSBr. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10574-10583.	1.5	12
6	Prospect of Ni-related metal oxides for high-performance supercapacitor electrodes. <i>Journal of Materials Science</i> , 2021, 56, 1897-1918.	1.7	11
7	Boosted cycling stability of CoP nano-needles based hybrid supercapacitor with high energy density upon surface phosphorization. <i>Electrochimica Acta</i> , 2021, 368, 137690.	2.6	29
8	Strong valley splitting in d <sup>0</sup> two-dimensional SnO induced by magnetic proximity effect. <i>Nanotechnology</i> , 2021, 32, 225201.	1.3	1
9	Dandelion-shaped cobalt and nickel phosphide hybrids for high performance electrochemical energy storage. <i>Materials Chemistry and Physics</i> , 2020, 255, 123580.	2.0	5
10	The Magnetic Proximity Effect Induced Large Valley Splitting in 2D InSe/Fel <sub>2</sub> Heterostructures. <i>Nanomaterials</i> , 2020, 10, 1642.	1.9	7
11	A 2D Rashba electron gas with large spin splitting in Janus structures of SnPbO <sub>2</sub> . <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11409-11416.	1.3	7
12	Morphology control of Ni <sub>3</sub> S <sub>2</sub> multiple structures and their effect on supercapacitor performances. <i>Journal of Materials Science</i> , 2019, 54, 12737-12746.	1.7	26
13	Prediction of directional magnetic-exchange coupling in Mn doped $\hat{1}^3$ -InSe monolayer. <i>Results in Physics</i> , 2019, 14, 102416.	2.0	3
14	Origin of Intrinsic Direct Band Gap of Janus Group-VI Chalcogenide Monolayers. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1900070.	0.7	12
15	Phase Transition-Promoted Hydrogen Evolution Performance of MoS <sub>2</sub> /VO <sub>2</sub> Hybrids. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2618-2623.	1.5	20
16	Tungsten and nitrogen co-doped TiO <sub>2</sub> nanobelts with significant visible light photoactivity. <i>Surface and Interface Analysis</i> , 2018, 50, 146-153.	0.8	2
17	Well-patterned Au nanodots on MoS <sub>2</sub> /TiO <sub>2</sub> hybrids for enhanced hydrogen evolution activity. <i>Electrochimica Acta</i> , 2018, 283, 419-427.	2.6	16
18	Tailoring the electronic and magnetic properties of monolayer SnO by B, C, N, O and F adatoms. <i>Scientific Reports</i> , 2017, 7, 44568.	1.6	21

#	ARTICLE	IF	CITATIONS
19	Competitive Growth Mechanism of WS <sub>2</sub> /MoS <sub>2</sub> Vertical Heterostructures at High Temperature. Physica Status Solidi (B): Basic Research, 2017, 254, 1700219.	0.7	4
20	Mechanism of Magnetic Coupling in Carrier-Doped SnO Nanosheets. Physical Review Applied, 2017, 8, .	1.5	13
21	Strain effect on electronic structure of two-dimensional $\hat{1}^3$ -InSe nanosheets. Applied Physics Express, 2017, 10, 125202.	1.1	8
22	Effect of inplane strain on the electronic structure of mono- and bilayer black phosphorus. Physica Status Solidi (B): Basic Research, 2016, 253, 1729-1733.	0.7	2
23	Prediction of the electronic structure of single-walled black phosphorus nanotubes. Physical Chemistry Chemical Physics, 2016, 18, 15177-15181.	1.3	11
24	Interfacial engineering of MoS <sub>2</sub> /TiO <sub>2</sub> hybrids for enhanced electrocatalytic hydrogen evolution reaction. Applied Physics Express, 2016, 9, 095801.	1.1	27
25	Defect assisted coupling of a MoS <sub>2</sub> /TiO <sub>2</sub> interface and tuning of its electronic structure. Nanotechnology, 2016, 27, 355203.	1.3	24
26	Subsurface growth of ultrathin Ni films on Cu(001) surfaces: Photoemission singularity index study. Journal of Crystal Growth, 2016, 433, 160-164.	0.7	0
27	Effect of interfacial coupling on photocatalytic performance of large scale MoS <sub>2</sub> /TiO <sub>2</sub> hetero-thin films. Applied Physics Letters, 2015, 106, 081602.	1.5	47