

Sijie Yang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,971
citations

516710

16
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580821

25
g-index

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all docs

25
docs citations

25
times ranked

3761
citing authors

#	ARTICLE	IF	CITATIONS
1	High-sensitivity shortwave infrared photodetectors of metal-organic frameworks integrated on 2D layered materials. <i>Science China Materials</i> , 2022, 65, 451-459.	6.3	15
2	Epitaxial Growth of 2D Ultrathin Metastable Bi_2O_3 Flakes for High Performance Ultraviolet Photodetection. <i>Small</i> , 2022, 18, e2104244.	10.0	24
3	Van der Waals Epitaxy of $\text{Bi}_2\text{Te}_2\text{Se}/\text{Bi}_2\text{O}_2\text{Se}$ Vertical Heterojunction for High Performance Photodetector. <i>Small</i> , 2022, 18, e2105211.	10.0	21
4	Air sensitivity of electrode materials in Li/Na ion batteries: Issues and strategies. <i>Informa-Materially</i> , 2022, 4, .	17.3	43
5	Recent Advances in 2D Layered Phosphorous Compounds. <i>Small Methods</i> , 2021, 5, e2001068.	8.6	15
6	2D ternary vanadium phosphorous chalcogenide with strong in-plane optical anisotropy. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2999-3006.	6.0	10
7	Low-Symmetry and Nontoxic 2D SiP with Strong Polarization-Sensitivity and Fast Photodetection. <i>Advanced Optical Materials</i> , 2021, 9, 2100198.	7.3	29
8	Room-Temperature Magnetic Field Effect on Excitonic Photoluminescence in Perovskite Nanocrystals. <i>Advanced Materials</i> , 2021, 33, e2008225.	21.0	24
9	Emerging two-dimensional bismuth oxychalcogenides for electronics and optoelectronics. <i>Informa-Materially</i> , 2021, 3, 1251-1271.	17.3	51
10	A Universal Atomic Substitution Conversion Strategy Towards Synthesis of Large-Size Ultrathin Nonlayered Two-Dimensional Materials. <i>Nano-Micro Letters</i> , 2021, 13, 165.	27.0	12
11	Effect of Strong Intermolecular Interaction in 2D Inorganic Molecular Crystals. <i>Journal of the American Chemical Society</i> , 2021, 143, 20192-20201.	13.7	9
12	Strong In-Plane Anisotropic SiP_2 as a IV-V 2D Semiconductor for Polarized Photodetection. <i>ACS Nano</i> , 2021, 15, 20442-20452.	14.6	45
13	The synthesis of competing phase GeSe and GeSe_2 2D layered materials. <i>RSC Advances</i> , 2020, 10, 38227-38232.	3.6	17
14	Room-Temperature Synthesis of 2D Janus Crystals and their Heterostructures. <i>Advanced Materials</i> , 2020, 32, e2006320.	21.0	138
15	Observation of moiré excitons in WSe_2/WS_2 heterostructure superlattices. <i>Nature</i> , 2019, 567, 76-80.	27.8	791
16	Anomalous phase transition behavior in hydrothermal grown layered tellurene. <i>Nanoscale</i> , 2019, 11, 20245-20251.	5.6	3
17	Highly crystalline synthesis of tellurene sheets on two-dimensional surfaces: Control over helical chain direction of tellurene. <i>Physical Review Materials</i> , 2018, 2, .	2.4	27
18	Controlling Structural Anisotropy of Anisotropic 2D Layers in Pseudo-1D/2D Material Heterojunctions. <i>Advanced Materials</i> , 2017, 29, 1701201.	21.0	22

#	ARTICLE	IF	CITATIONS
19	Environmental stability of 2D anisotropic tellurium containing nanomaterials: anisotropic to isotropic transition. <i>Nanoscale</i> , 2017, 9, 12288-12294.	5.6	41
20	Novel Surface Molecular Functionalization Route To Enhance Environmental Stability of Tellurium-Containing 2D Layers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44625-44631.	8.0	15
21	Unusual dimensionality effects and surface charge density in 2D Mg(OH) ₂ . <i>Scientific Reports</i> , 2016, 6, 20525.	3.3	49
22	Domain Architectures and Grain Boundaries in Chemical Vapor Deposited Highly Anisotropic ReS ₂ Monolayer Films. <i>Nano Letters</i> , 2016, 16, 5888-5894.	9.1	79
23	Spin-orbit engineering in transition metal dichalcogenide alloy monolayers. <i>Nature Communications</i> , 2015, 6, 10110.	12.8	176
24	Anisotropic in-plane thermal conductivity of black phosphorus nanoribbons at temperatures higher than 100 K. <i>Nature Communications</i> , 2015, 6, 8573.	12.8	311