

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
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

3761
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of moiré excitons in WSe ₂ /WS ₂ heterostructure superlattices. Nature, 2019, 567, 76-80.	27.8	791
2	Anisotropic in-plane thermal conductivity of black phosphorus nanoribbons at temperatures higher than 100 K. Nature Communications, 2015, 6, 8573.	12.8	311
3	Spin-orbit engineering in transition metal dichalcogenide alloy monolayers. Nature Communications, 2015, 6, 10110.	12.8	176
4	Room-Temperature Synthesis of 2D Janus Crystals and their Heterostructures. Advanced Materials, 2020, 32, e2006320.	21.0	138
5	Domain Architectures and Grain Boundaries in Chemical Vapor Deposited Highly Anisotropic ReS ₂ Monolayer Films. Nano Letters, 2016, 16, 5888-5894.	9.1	79
6	Emerging two-dimensional bismuth oxychalcogenides for electronics and optoelectronics. Information Materials, 2021, 3, 1251-1271.	17.3	51
7	Unusual dimensionality effects and surface charge density in 2D Mg(OH) ₂ . Scientific Reports, 2016, 6, 20525.	3.3	49
8	Strong In-Plane Anisotropic SiP ₂ as a IV-V 2D Semiconductor for Polarized Photodetection. ACS Nano, 2021, 15, 20442-20452.	14.6	45
9	Air sensitivity of electrode materials in Li/Na ion batteries: Issues and strategies. Information Materials, 2022, 4, .	17.3	43
10	Environmental stability of 2D anisotropic tellurium containing nanomaterials: anisotropic to isotropic transition. Nanoscale, 2017, 9, 12288-12294.	5.6	41
11	Low-Symmetry and Nontoxic 2D SiP with Strong Polarization-Sensitivity and Fast Photodetection. Advanced Optical Materials, 2021, 9, 2100198.	7.3	29
12	Highly crystalline synthesis of tellurene sheets on two-dimensional surfaces: Control over helical chain direction of tellurene. Physical Review Materials, 2018, 2, .	2.4	27
13	Room-Temperature Magnetic Field Effect on Excitonic Photoluminescence in Perovskite Nanocrystals. Advanced Materials, 2021, 33, e2008225.	21.0	24
14	Epitaxial Growth of 2D Ultrathin Metastable Bi ₂ O ₃ Flakes for High Performance Ultraviolet Photodetection. Small, 2022, 18, e2104244.	10.0	24
15	Controlling Structural Anisotropy of Anisotropic 2D Layers in Pseudo-1D/2D Material Heterojunctions. Advanced Materials, 2017, 29, 1701201.	21.0	22
16	Van der Waals Epitaxy of Bi ₂ Te ₂ Se/Bi ₂ O ₂ Se Vertical Heterojunction for High Performance Photodetector. Small, 2022, 18, e2105211.	10.0	21
17	The synthesis of competing phase GeSe and GeSe ₂ 2D layered materials. RSC Advances, 2020, 10, 38227-38232.	3.6	17
18	Novel Surface Molecular Functionalization Route To Enhance Environmental Stability of Tellurium-Containing 2D Layers. ACS Applied Materials & Interfaces, 2017, 9, 44625-44631.	8.0	15

#	ARTICLE	IF	CITATIONS
19	Recent Advances in 2D Layered Phosphorous Compounds. <i>Small Methods</i> , 2021, 5, e2001068.	8.6	15
20	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
21	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
22	2D ternary vanadium phosphorous chalcogenide with strong in-plane optical anisotropy. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2999-3006.	6.0	10
23	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
24	Anomalous phase transition behavior in hydrothermal grown layered tellurene. <i>Nanoscale</i> , 2019, 11, 20245-20251.	5.6	3