

Mengjing Wang

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

919
citations

516215

16
h-index

454577

30
g-index

32
all docs

32
docs citations

32
times ranked

1612
citing authors

#	ARTICLE	IF	CITATIONS
1	Thickness-dependent phase transition kinetics in lithium-intercalated MoS ₂ . 2D Materials, 2022, 9, 025009.	2.0	8
2	A Gapped Phase in Semimetallic T _d WTe ₂ Induced by Lithium Intercalation. Advanced Materials, 2022, 34, e2200861.	11.1	7
3	Compact Super Electron-Donor to Monolayer MoS ₂ . Nano Letters, 2022, 22, 4501-4508.	4.5	8
4	Effects of growth substrate on the nucleation of monolayer MoTe ₂ . CrystEngComm, 2021, 23, 7963-7969.	1.3	3
5	Revisiting Intercalation-Induced Phase Transitions in 2D Group VI Transition Metal Dichalcogenides. Advanced Energy and Sustainability Research, 2021, 2, 2100027.	2.8	13
6	Enhancing Light-Matter Interactions in MoS ₂ by Copper Intercalation. Advanced Materials, 2021, 33, e2008779.	11.1	25
7	Layer Orientation-Engineered Two-Dimensional Platinum Ditetelluride for High-Performance Direct Alcohol Fuel Cells. ACS Energy Letters, 2021, 6, 3481-3487.	8.8	12
8	Heterointerface Control over Lithium-Induced Phase Transitions in MoS ₂ Nanosheets: Implications for Nanoscaled Energy Materials. ACS Applied Nano Materials, 2021, 4, 14105-14114.	2.4	7
9	Strain Effect in Palladium Nanostructures as Nanozymes. Nano Letters, 2020, 20, 272-277.	4.5	85
10	Correlation between Color and Elasticity in <i>Anomia ephippium</i> Shells: Biological Design to Enhance the Mechanical Properties. ACS Applied Bio Materials, 2020, 3, 9012-9018.	2.3	0
11	Controllable synthesis of platinum diselenide (PtSe ₂) inorganic fullerene. Journal of Materials Chemistry A, 2020, 8, 18925-18932.	5.2	12
12	Wafer-scale 2D PtTe ₂ layers-enabled Kirigami heaters with superior mechanical stretchability and electro-thermal responsiveness. Applied Materials Today, 2020, 20, 100718.	2.3	21
13	Thickness-Independent Semiconducting-to-Metallic Conversion in Wafer-Scale Two-Dimensional PtSe ₂ Layers by Plasma-Driven Chalcogen Defect Engineering. ACS Applied Materials & Interfaces, 2020, 12, 14341-14351.	4.0	51
14	Wafer-Scale Growth of 2D PtTe ₂ with Layer Orientation Tunable High Electrical Conductivity and Superior Hydrophobicity. ACS Applied Materials & Interfaces, 2020, 12, 10839-10851.	4.0	48
15	Wafer-scale 2D PtTe ₂ layers for high-efficiency mechanically flexible electro-thermal smart window applications. Nanoscale, 2020, 12, 10647-10655.	2.8	22
16	Structural Evolutions of Vertically Aligned Two-Dimensional MoS ₂ Layers Revealed by in Situ Heating Transmission Electron Microscopy. Journal of Physical Chemistry C, 2019, 123, 27843-27853.	1.5	13
17	Terahertz Spectroscopy of 2D Materials. , 2018, , .		1
18	Biodissolution and cellular response to MoO ₃ nanoribbons and a new framework for early hazard screening for 2D materials. Environmental Science: Nano, 2018, 5, 2545-2559.	2.2	17

#	ARTICLE	IF	CITATIONS
19	Chemical intercalation of heavy metal, semimetal, and semiconductor atoms into 2D layered chalcogenides. <i>2D Materials</i> , 2018, 5, 045005.	2.0	32
20	Chemically Tunable Full Spectrum Optical Properties of 2D Silicon Telluride Nanoplates. <i>ACS Nano</i> , 2018, 12, 6163-6169.	7.3	28
21	Deintercalation of Zero-Valent Metals from Two-Dimensional Layered Chalcogenides. <i>Chemistry of Materials</i> , 2017, 29, 1650-1655.	3.2	22
22	Ultrafast Zero-Bias Photocurrent in GeS Nanosheets: Promise for Photovoltaics. <i>ACS Energy Letters</i> , 2017, 2, 1429-1434.	8.8	53
23	Polytypic phase transitions in metal intercalated Bi ₂ Se ₃ . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 494002.	0.7	10
24	Reversible Chemochromic MoO ₃ Nanoribbons through Zerovalent Metal Intercalation. <i>ACS Nano</i> , 2015, 9, 3226-3233.	7.3	103
25	Controlled Intracellular Self-Assembly and Disassembly of ¹⁹ F Nanoparticles for MR Imaging of Caspase 3/7 in Zebrafish. <i>ACS Nano</i> , 2015, 9, 761-768.	7.3	108
26	Dual Element Intercalation into 2D Layered Bi ₂ Se ₃ Nanoribbons. <i>Journal of the American Chemical Society</i> , 2015, 137, 5431-5437.	6.6	56
27	A Silicon-Based Two-Dimensional Chalcogenide: Growth of Si ₂ Te ₃ Nanoribbons and Nanoplates. <i>Nano Letters</i> , 2015, 15, 2285-2290.	4.5	55
28	Temperature-driven disorder–order transitions in 2D copper-intercalated MoO ₃ revealed using dynamic transmission electron microscopy. <i>2D Materials</i> , 2014, 1, 035001.	2.0	8
29	Fluorescent switch for fast and selective detection of mercury (II) ions in vitro and in living cells and a simple device for its removal. <i>Talanta</i> , 2014, 125, 204-209.	2.9	16
30	Detection of Glutathione <i>in Vitro</i> and in Cells by the Controlled Self-Assembly of Nanorings. <i>Analytical Chemistry</i> , 2013, 85, 1280-1284.	3.2	67
31	“Click Chemistry” for Molecular Imaging. <i>Current Molecular Imaging</i> , 2012, 1, 87-95.	0.7	6