

Mengjing Wang

List of Publications by Year in descending order

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papers

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516215

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times ranked

1612
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled Intracellular Self-Assembly and Disassembly of 19^+ F Nanoparticles for MR Imaging of Caspase 3/7 in Zebrafish. ACS Nano, 2015, 9, 761-768.	7.3	108
2	Reversible Chemochromic MoO_3 Nanoribbons through Zerovalent Metal Intercalation. ACS Nano, 2015, 9, 3226-3233.	7.3	103
3	Strain Effect in Palladium Nanostructures as Nanozymes. Nano Letters, 2020, 20, 272-277.	4.5	85
4	Detection of Glutathione <i>in Vitro</i> and in Cells by the Controlled Self-Assembly of Nanorings. Analytical Chemistry, 2013, 85, 1280-1284.	3.2	67
5	Dual Element Intercalation into 2D Layered Bi_2Se_3 Nanoribbons. Journal of the American Chemical Society, 2015, 137, 5431-5437.	6.6	56
6	A Silicon-Based Two-Dimensional Chalcogenide: Growth of Si_2Te_3 Nanoribbons and Nanoplates. Nano Letters, 2015, 15, 2285-2290.	4.5	55
7	Ultrafast Zero-Bias Photocurrent in GeS Nanosheets: Promise for Photovoltaics. ACS Energy Letters, 2017, 2, 1429-1434.	8.8	53
8	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
9	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
10	Chemical intercalation of heavy metal, semimetal, and semiconductor atoms into 2D layered chalcogenides. 2D Materials, 2018, 5, 045005.	2.0	32
11	Chemically Tunable Full Spectrum Optical Properties of 2D Silicon Telluride Nanoplates. ACS Nano, 2018, 12, 6163-6169.	7.3	28
12	Enhancing Light-Matter Interactions in MoS_2 by Copper Intercalation. Advanced Materials, 2021, 33, e2008779.	11.1	25
13	Deintercalation of Zero-Valent Metals from Two-Dimensional Layered Chalcogenides. Chemistry of Materials, 2017, 29, 1650-1655.	3.2	22
14	Wafer-scale 2D PtTe_2 layers for high-efficiency mechanically flexible electro-thermal smart window applications. Nanoscale, 2020, 12, 10647-10655.	2.8	22
15	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
16	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
17	Fluorescent switch for fast and selective detection of mercury (II) ions in vitro and in living cells and a simple device for its removal. Talanta, 2014, 125, 204-209.	2.9	16
18	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

#	ARTICLE	IF	CITATIONS
19	Revisiting Intercalation-Induced Phase Transitions in 2D Group VI Transition Metal Dichalcogenides. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100027.	2.8	13
20	Controllable synthesis of platinum diselenide (PtSe ₂) inorganic fullerene. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18925-18932.	5.2	12
21	Layer Orientation-Engineered Two-Dimensional Platinum Ditelluride for High-Performance Direct Alcohol Fuel Cells. <i>ACS Energy Letters</i> , 2021, 6, 3481-3487.	8.8	12
22	Polytypic phase transitions in metal intercalated Bi ₂ Se ₃ . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 494002.	0.7	10
23	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
24	Thickness-dependent phase transition kinetics in lithium-intercalated MoS ₂ . <i>2D Materials</i> , 2022, 9, 025009.	2.0	8
25	Compact Super Electron-Donor to Monolayer MoS ₂ . <i>Nano Letters</i> , 2022, 22, 4501-4508.	4.5	8
26	Heterointerface Control over Lithium-Induced Phase Transitions in MoS ₂ Nanosheets: Implications for Nanoscaled Energy Materials. <i>ACS Applied Nano Materials</i> , 2021, 4, 14105-14114.	2.4	7
27	A Gapped Phase in Semimetallic T _d -WTe ₂ Induced by Lithium Intercalation. <i>Advanced Materials</i> , 2022, 34, e2200861.	11.1	7
28	“Click Chemistry” for Molecular Imaging. <i>Current Molecular Imaging</i> , 2012, 1, 87-95.	0.7	6
29	Effects of growth substrate on the nucleation of monolayer MoTe ₂ . <i>CrystEngComm</i> , 2021, 23, 7963-7969.	1.3	3
30	Terahertz Spectroscopy of 2D Materials. , 2018, , .		1
31	Correlation between Color and Elasticity in <i>Anomia ephippium</i> Shells: Biological Design to Enhance the Mechanical Properties. <i>ACS Applied Bio Materials</i> , 2020, 3, 9012-9018.	2.3	0