

# Xiangming Xu

## List of Publications by Year in descending order

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23  
papers

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citations

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times ranked

889  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-yield Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene/MoS <sub>2</sub> Integrated Circuits. <i>Advanced Materials</i> , 2022, 34, e2107370.	11.1	24
2	Lattice Orientation Heredity in the Transformation of 2D Epitaxial Films. <i>Advanced Materials</i> , 2022, 34, e2105190.	11.1	6
3	Growth of 2D Materials at the Wafer Scale. <i>Advanced Materials</i> , 2022, 34, e2108258.	11.1	43
4	Electrochemical Thin-Film Transistors using Covalent Organic Framework Channel. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	16
5	All-Solution-Processed Quantum Dot Electrical Double-Layer Transistors Enhanced by Surface Charges of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Contacts. <i>ACS Nano</i> , 2021, 15, 5221-5229.	7.3	30
6	Two-Dimensional TiO <sub>2</sub> /TiS <sub>2</sub> Hybrid Nanosheet Anodes for High-Rate Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 8721-8727.	2.5	12
7	The development of integrated circuits based on two-dimensional materials. <i>Nature Electronics</i> , 2021, 4, 775-785.	13.1	129
8	Iontronics Using V <sub>2</sub> CT <sub>x</sub> MXene-Derived Metal-Organic Framework Solid Electrolytes. <i>ACS Nano</i> , 2020, 14, 9840-9847.	7.3	27
9	Autonomous MXene-PVDF actuator for flexible solar trackers. <i>Nano Energy</i> , 2020, 77, 105277.	8.2	35
10	Efficient Na-ion Storage in 2D TiS <sub>2</sub> Formed by a Vapor Phase Anion-Exchange Process. <i>Small Methods</i> , 2020, 4, 2000439.	4.6	12
11	Covalent Organic Frameworks as Negative Electrodes for High-Performance Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2020, 10, 2001673.	10.2	107
12	Single-Crystal Hybrid Perovskite Platelets on Graphene: A Mixed-Dimensional Van Der Waals Heterostructure with Strong Interface Coupling. <i>Advanced Functional Materials</i> , 2020, 30, 1909672.	7.8	28
13	Enhanced Quality of Wafer-Scale MoS <sub>2</sub> Films by a Capping Layer Annealing Process. <i>Advanced Functional Materials</i> , 2020, 30, 1908040.	7.8	19
14	2D Optoelectronics: High-Performance Monolayer MoS <sub>2</sub> Films at the Wafer Scale by Two-Step Growth (Adv. Funct. Mater. 32/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970224.	7.8	2
15	High-Performance Monolayer MoS <sub>2</sub> Films at the Wafer Scale by Two-Step Growth. <i>Advanced Functional Materials</i> , 2019, 29, 1901070.	7.8	40
16	MXene Derived Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 20037-20042.	6.6	110
17	Wafer scale quasi single crystalline MoS <sub>2</sub> realized by epitaxial phase conversion. <i>2D Materials</i> , 2019, 6, 015030.	2.0	31
18	Porous layer assembled hierarchical Co <sub>3</sub> O <sub>4</sub> as anode materials for lithium-ion batteries. <i>Journal of Materials Science</i> , 2018, 53, 1356-1364.	1.7	18

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19	The synthesis of ultra-long cobalt chains and its outstanding catalytic performance on the thermal decomposition of ammonium perchlorate. <i>Materials Chemistry and Physics</i> , 2017, 201, 235-240.	2.0	10
20	Synthesis of NiO nanostructures and their catalytic activity in the thermal decomposition of ammonium perchlorate. <i>CrystEngComm</i> , 2016, 18, 4836-4843.	1.3	39
21	Synthesis and their physicochemical behaviors of flower-like Co <sub>3</sub> O <sub>4</sub> microspheres. <i>Journal of Alloys and Compounds</i> , 2016, 654, 523-528.	2.8	25
22	Hydrothermal synthesis of cobalt particles with hierarchy structure and physicochemical properties. <i>Materials Research Bulletin</i> , 2015, 72, 7-12.	2.7	13
23	Self-assembly process of China rose-like $\gamma$ -Co(OH) <sub>2</sub> and its topotactic conversion route to Co <sub>3</sub> O <sub>4</sub> with optimizable catalytic performance. <i>CrystEngComm</i> , 2015, 17, 8248-8255.	1.3	22