

Qundong Fu

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

3,683
citations

257357

24
h-index

454834

30
g-index

30
all docs

30
docs citations

30
times ranked

5980
citing authors

#	ARTICLE	IF	CITATIONS
1	A library of atomically thin metal chalcogenides. <i>Nature</i> , 2018, 556, 355-359.	13.7	1,225
2	Highly Sensitive Detection of Polarized Light Using Anisotropic 2D ReS ₂ . <i>Advanced Functional Materials</i> , 2016, 26, 1169-1177.	7.8	376
3	Synergistic Gating of Electro-Photoactive 2D Chalcogenide Neuristors: Coexistence of Hebbian and Homeostatic Synaptic Metaplasticity. <i>Advanced Materials</i> , 2018, 30, e1800220.	11.1	261
4	Ultrasensitive 2D Bi ₂ O ₂ Se Phototransistors on Silicon Substrates. <i>Advanced Materials</i> , 2019, 31, e1804945.	11.1	183
5	Van der Waals negative capacitance transistors. <i>Nature Communications</i> , 2019, 10, 3037.	5.8	144
6	Bismuth Vacancy-Tuned Bismuth Oxybromide Ultrathin Nanosheets toward Photocatalytic CO ₂ Reduction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30786-30792.	4.0	140
7	Periodic Organic-Inorganic Halide Perovskite Microplatelet Arrays on Silicon Substrates for Room-Temperature Lasing. <i>Advanced Science</i> , 2016, 3, 1600137.	5.6	121
8	Phase-controllable growth of ultrathin 2D magnetic FeTe crystals. <i>Nature Communications</i> , 2020, 11, 3729.	5.8	120
9	Controlled Synthesis of Organic/Inorganic van der Waals Solid for Tunable Light-Matter Interactions. <i>Advanced Materials</i> , 2015, 27, 7800-7808.	11.1	109
10	Van der Waals p-n Junction Based on an Organic-Inorganic Heterostructure. <i>Advanced Functional Materials</i> , 2015, 25, 5865-5871.	7.8	98
11	Van der Waals engineering of ferroelectric heterostructures for long-retention memory. <i>Nature Communications</i> , 2021, 12, 1109.	5.8	98
12	One-Step Synthesis of Metal/Semiconductor Heterostructure NbS ₂ /MoS ₂ . <i>Chemistry of Materials</i> , 2018, 30, 4001-4007.	3.2	85
13	In-Plane Ferroelectricity in Thin Flakes of Van der Waals Hybrid Perovskite. <i>Advanced Materials</i> , 2018, 30, e1803249.	11.1	76
14	Controlled Synthesis of Atomically Thin 1T-TaS ₂ for Tunable Charge Density Wave Phase Transitions. <i>Chemistry of Materials</i> , 2016, 28, 7613-7618.	3.2	75
15	Phase engineering of Cr ₅ Te ₈ with colossal anomalous Hall effect. <i>Nature Electronics</i> , 2022, 5, 224-232.	13.1	68
16	Controlled Growth and Reliable Thickness-Dependent Properties of Organic-Inorganic Perovskite Platelet Crystal. <i>Advanced Functional Materials</i> , 2016, 26, 5263-5270.	7.8	64
17	2D Black Phosphorus/SrTiO ₃ -Based Programmable Photoconductive Switch. <i>Advanced Materials</i> , 2016, 28, 7768-7773.	11.1	57
18	Ultrathin Ruddlesden-Popper Perovskite Heterojunction for Sensitive Photodetection. <i>Small</i> , 2019, 15, e1902890.	5.2	56

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19	Light-Tunable 1T-TaS ₂ Charge-Density-Wave Oscillators. ACS Nano, 2018, 12, 11203-11210.	7.3	51
20	Recent progress in the synthesis of novel two-dimensional van der Waals materials. National Science Review, 2022, 9, nwab164.	4.6	50
21	Mimicking Neuroplasticity via Ion Migration in van der Waals Layered Copper Indium Thiophosphate. Advanced Materials, 2022, 34, e2104676.	11.1	46
22	2D PtS nanorectangles/g-C ₃ N ₄ nanosheets with a metal sulfide support interaction effect for high-efficiency photocatalytic H ₂ evolution. Materials Horizons, 2021, 8, 612-618.	6.4	34
23	Optoelectronic properties of atomically thin ReSSe with weak interlayer coupling. Nanoscale, 2016, 8, 5826-5834.	2.8	32
24	Space-confined microwave synthesis of ternary-layered BiOCl crystals with high-performance ultraviolet photodetection. Information Materials, 2020, 2, 593-600.	8.5	32
25	Controlled Growth of 3R Phase Tantalum Diselenide and Its Enhanced Superconductivity. Journal of the American Chemical Society, 2020, 142, 2948-2955.	6.6	27
26	Photoresponse: Highly Sensitive Detection of Polarized Light Using Anisotropic 2D ReS ₂ (Adv. Funct. Mater. 8/2016). Advanced Functional Materials, 2016, 26, 1146-1146.	7.8	15
27	Direct Laser Patterning of a 2D WSe ₂ Logic Circuit. Advanced Functional Materials, 2021, 31, 2009549.	7.8	15
28	Controlled Synthesis of MoxW1-xTe2 Atomic Layers with Emergent Quantum States. ACS Nano, 2021, 15, 11526-11534.	7.3	12
29	Visualizing Line Defects in non-van der Waals Bi ₂ O ₂ Se Using Raman Spectroscopy. ACS Nano, 2022, 16, 3637-3646.	7.3	12