

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	Recent progress in the synthesis of novel two-dimensional van der Waals materials. National Science Review, 2022, 9, nwab164.	4.6	50
2	Mimicking Neuroplasticity via Ion Migration in van der Waals Layered Copper Indium Thiophosphate. Advanced Materials, 2022, 34, e2104676.	11.1	46
3	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
4	Phase engineering of Cr ₅ Te ₈ with colossal anomalous Hall effect. Nature Electronics, 2022, 5, 224-232.	13.1	68
5	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
6	Van der Waals engineering of ferroelectric heterostructures for long-retention memory. Nature Communications, 2021, 12, 1109.	5.8	98
7	Direct Laser Patterning of a 2D WSe ₂ Logic Circuit. Advanced Functional Materials, 2021, 31, 2009549.	7.8	15
8	Controlled Synthesis of MoxW _{1-x} Te ₂ Atomic Layers with Emergent Quantum States. ACS Nano, 2021, 15, 11526-11534.	7.3	12
9	Space-confined microwave synthesis of ternary-layered BiOCl crystals with high-performance ultraviolet photodetection. Informa " Materijly, 2020, 2, 593-600.	8.5	32
10	Phase-controllable growth of ultrathin 2D magnetic FeTe crystals. Nature Communications, 2020, 11, 3729.	5.8	120
11	Controlled Growth of 3R Phase Tantalum Diselenide and Its Enhanced Superconductivity. Journal of the American Chemical Society, 2020, 142, 2948-2955.	6.6	27
12	Ultrathin Ruddlesden-Popper Perovskite Heterojunction for Sensitive Photodetection. Small, 2019, 15, e1902890.	5.2	56
13	Van der Waals negative capacitance transistors. Nature Communications, 2019, 10, 3037.	5.8	144
14	Bismuth Vacancy-Tuned Bismuth Oxybromide Ultrathin Nanosheets toward Photocatalytic CO ₂ Reduction. ACS Applied Materials & Interfaces, 2019, 11, 30786-30792.	4.0	140
15	Ultrasensitive 2D Bi ₂ O ₂ Se Phototransistors on Silicon Substrates. Advanced Materials, 2019, 31, e1804945.	11.1	183
16	A library of atomically thin metal chalcogenides. Nature, 2018, 556, 355-359.	13.7	1,225
17	Synergistic Gating of Electro-photoactive 2D Chalcogenide Neuristors: Coexistence of Hebbian and Homeostatic Synaptic Metaplasticity. Advanced Materials, 2018, 30, e1800220.	11.1	261
18	One-Step Synthesis of Metal/Semiconductor Heterostructure Nb ₂ /MoS ₂ . Chemistry of Materials, 2018, 30, 4001-4007.	3.2	85

#	ARTICLE	IF	CITATIONS
19	Light-Tunable 1T-TaS ₂ Charge-Density-Wave Oscillators. ACS Nano, 2018, 12, 11203-11210.	7.3	51
20	In-plane Ferroelectricity in Thin Flakes of Van der Waals Hybrid Perovskite. Advanced Materials, 2018, 30, e1803249.	11.1	76
21	Highly Sensitive Detection of Polarized Light Using Anisotropic 2D ReS ₂ . Advanced Functional Materials, 2016, 26, 1169-1177.	7.8	376
22	Controlled Growth and Reliable Thickness-Dependent Properties of Organic-Inorganic Perovskite Platelet Crystal. Advanced Functional Materials, 2016, 26, 5263-5270.	7.8	64
23	Periodic Organic-Inorganic Halide Perovskite Microplatelet Arrays on Silicon Substrates for Room-Temperature Lasing. Advanced Science, 2016, 3, 1600137.	5.6	121
24	2D Black Phosphorus/SrTiO ₃ -Based Programmable Photoconductive Switch. Advanced Materials, 2016, 28, 7768-7773.	11.1	57
25	Controlled Synthesis of Atomically Thin 1T-TaS ₂ for Tunable Charge Density Wave Phase Transitions. Chemistry of Materials, 2016, 28, 7613-7618.	3.2	75
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	Optoelectronic properties of atomically thin ReSe with weak interlayer coupling. Nanoscale, 2016, 8, 5826-5834.	2.8	32
28	Controlled Synthesis of Organic/Inorganic van der Waals Solid for Tunable Light-Matter Interactions. Advanced Materials, 2015, 27, 7800-7808.	11.1	109
29	Van der Waals p-n Junction Based on an Organic-Inorganic Heterostructure. Advanced Functional Materials, 2015, 25, 5865-5871.	7.8	98