

Qingsheng Zeng

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

4,137
citations

32
h-index

49
g-index

49
ext. papers

5,076
ext. citations

16.9
avg, IF

5.29
L-index

#	Paper	IF	Citations
47	A library of atomically thin metal chalcogenides. <i>Nature</i> , 2018 , 556, 355-359	50.4	812
46	Atomically thin noble metal dichalcogenide: a broadband mid-infrared semiconductor. <i>Nature Communications</i> , 2018 , 9, 1545	17.4	267
45	Black Phosphorus Nanosheets: Synthesis, Characterization and Applications. <i>Small</i> , 2016 , 12, 3480-502	11	267
44	MoS ₂ /TiO ₂ Edge-On Heterostructure for Efficient Photocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2016 , 6, 1600464	21.8	226
43	High-quality monolayer superconductor NbSe grown by chemical vapour deposition. <i>Nature Communications</i> , 2017 , 8, 394	17.4	199
42	High Mobility 2D Palladium Diselenide Field-Effect Transistors with Tunable Ambipolar Characteristics. <i>Advanced Materials</i> , 2017 , 29, 1602969	24	180
41	Controlled Synthesis of High-Quality Monolayered Hn ₂ Se ₃ via Physical Vapor Deposition. <i>Nano Letters</i> , 2015 , 15, 6400-5	11.5	169
40	Large-Area and High-Quality 2D Transition Metal Telluride. <i>Advanced Materials</i> , 2017 , 29, 1603471	24	140
39	Fast Photoresponse from 1T Tin Diselenide Atomic Layers. <i>Advanced Functional Materials</i> , 2016 , 26, 137-145	15.5	125
38	Ultrasensitive 2D Bi O Se Phototransistors on Silicon Substrates. <i>Advanced Materials</i> , 2019 , 31, e1804945	24	119
37	Chemical Vapor Deposition of High-Quality and Atomically Layered ReS ₂ . <i>Small</i> , 2015 , 11, 5423-9	11	99
36	Controlled Synthesis of Organic/Inorganic van der Waals Solid for Tunable Light-Matter Interactions. <i>Advanced Materials</i> , 2015 , 27, 7800-8	24	94
35	Metal-Semiconductor Phase-Transition in WSe Te Monolayer. <i>Advanced Materials</i> , 2017 , 29, 1603991	24	88
34	Self-gating in semiconductor electrocatalysis. <i>Nature Materials</i> , 2019 , 18, 1098-1104	27	84
33	Controllable Synthesis of Atomically Thin Type-II Weyl Semimetal WTe Nanosheets: An Advanced Electrode Material for All-Solid-State Flexible Supercapacitors. <i>Advanced Materials</i> , 2017 , 29, 1701909	24	81
32	Band engineering for novel two-dimensional atomic layers. <i>Small</i> , 2015 , 11, 1868-84	11	79
31	Van der Waals p-n Junction Based on an Organic-Inorganic Heterostructure. <i>Advanced Functional Materials</i> , 2015 , 25, 5865-5871	15.6	76

30	Engineering grain boundaries at the 2D limit for the hydrogen evolution reaction. <i>Nature Communications</i> , 2020 , 11, 57	17.4	72
29	Van der Waals negative capacitance transistors. <i>Nature Communications</i> , 2019 , 10, 3037	17.4	71
28	Temperature Dependence of Anisotropic Thermal-Conductivity Tensor of Bulk Black Phosphorus. <i>Advanced Materials</i> , 2017 , 29, 1603297	24	65
27	Novel Optoelectronic Devices: Transition-Metal-Dichalcogenide-Based 2D Heterostructures. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700335	6.4	61
26	Carbon Microtube Aerogel Derived from Kapok Fiber: An Efficient and Recyclable Sorbent for Oils and Organic Solvents. <i>ACS Nano</i> , 2020 , 14, 595-602	16.7	61
25	InSe monolayer: synthesis, structure and ultra-high second-harmonic generation. <i>2D Materials</i> , 2018 , 5, 025019	5.9	59
24	Phase-controllable growth of ultrathin 2D magnetic FeTe crystals. <i>Nature Communications</i> , 2020 , 11, 3729	17.4	57
23	One-Step Synthesis of Metal/Semiconductor Heterostructure NbS ₂ /MoS ₂ . <i>Chemistry of Materials</i> , 2018 , 30, 4001-4007	9.6	54
22	Morphology Engineering in Monolayer MoS ₂ -WS ₂ Lateral Heterostructures. <i>Advanced Functional Materials</i> , 2018 , 28, 1801568	15.6	52
21	Controlled Growth and Reliable Thickness-Dependent Properties of Organic/Inorganic Perovskite Platelet Crystal. <i>Advanced Functional Materials</i> , 2016 , 26, 5263-5270	15.6	52
20	Subatomic deformation driven by vertical piezoelectricity from CdS ultrathin films. <i>Science Advances</i> , 2016 , 2, e1600209	14.3	49
19	2D Black Phosphorus/SrTiO ₃ -Based Programmable Photoconductive Switch. <i>Advanced Materials</i> , 2016 , 28, 7768-73	24	44
18	Large-Area Atomic Layers of the Charge-Density-Wave Conductor TiSe. <i>Advanced Materials</i> , 2018 , 30, 1704382	24	43
17	Ordered and Atomically Perfect Fragmentation of Layered Transition Metal Dichalcogenides via Mechanical Instabilities. <i>ACS Nano</i> , 2017 , 11, 9191-9199	16.7	39
16	Light-Tunable 1T-TaS Charge-Density-Wave Oscillators. <i>ACS Nano</i> , 2018 , 12, 11203-11210	16.7	32
15	Controlled synthesis and room-temperature pyroelectricity of CuInP ₂ S ₆ ultrathin flakes. <i>Nano Energy</i> , 2019 , 58, 596-603	17.1	31
14	Van der Waals engineering of ferroelectric heterostructures for long-retention memory. <i>Nature Communications</i> , 2021 , 12, 1109	17.4	29
13	Optoelectronic properties of atomically thin ReSSe with weak interlayer coupling. <i>Nanoscale</i> , 2016 , 8, 5826-34	7.7	27

12	Space-confined microwave synthesis of ternary-layered BiOCl crystals with high-performance ultraviolet photodetection. <i>Information Materials</i> , 2020 , 2, 593-600	23.1	25
11	Ternary Ta PdS Atomic Layers for an Ultrahigh Broadband Photoresponsive Phototransistor. <i>Advanced Materials</i> , 2021 , 33, e2005607	24	25
10	Strain-driven growth of ultra-long two-dimensional nano-channels. <i>Nature Communications</i> , 2020 , 11, 772	17.4	16
9	Controlled Growth of 3R Phase Tantalum Diselenide and Its Enhanced Superconductivity. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2948-2955	16.4	12
8	Structure engineering: extending the length of azaacene derivatives through quinone bridges. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 3628-3633	7.1	9
7	Air Stable Organic-Inorganic Perovskite Nanocrystals@Polymer Nanofibers and Waveguide Lasing. <i>Small</i> , 2020 , 16, e2004409	11	9
6	PdPSe: Component-Fusion-Based Topology Designer of Two-Dimensional Semiconductor. <i>Advanced Functional Materials</i> , 2021 , 31, 2102943	15.6	8
5	Two-step CVD synthesis of NiTe-MoS ₂ vertical junctions with improved MoS ₂ transistors performance. <i>Nanotechnology</i> , 2021 ,	3.4	7
4	Ultrawideband Surface Enhanced Raman Scattering in Hybrid Graphene Fragmented-Gold Substrates via Cold-Etching. <i>Advanced Optical Materials</i> , 2019 , 7, 1900905	8.1	6
3	Direct Laser Patterning of a 2D WSe ₂ Logic Circuit. <i>Advanced Functional Materials</i> , 2021 , 31, 2009549	15.6	6
2	2D Cairo Pentagonal PdPS: Air-Stable Anisotropic Ternary Semiconductor with High Optoelectronic Performance. <i>Advanced Functional Materials</i> , 2113255	15.6	5
1	Controlled Synthesis of MoWTe Atomic Layers with Emergent Quantum States. <i>ACS Nano</i> , 2021 ,	16.7	2