Wang, Jingwei

List of Publications by Year
in descending order

37 papers	1,791 citations	236925 25 h-index	330143 37 g-index
38 all docs	38 docs citations	38 times ranked	2930 citing authors

#	Article	IF	Citations
1	Bridging the gap between atomically thin semiconductors and metal leads. Nature Communications, 2022, 13, 1777.	12.8	17
2	Construction of highly efficient Z-scheme ZnxCd1-xS/Au@g-C3N4 ternary heterojunction composite for visible-light-driven photocatalytic reduction of CO2 to solar fuel. Applied Catalysis B: Environmental, 2021, 282, 119600.	20.2	129
3	Rational construction of plasmonic Z-scheme Ag-ZnO-CeO2 heterostructures for highly enhanced solar photocatalytic H2 evolution. Applied Surface Science, 2021, 541, 148457.	6.1	39
4	Strained Epitaxy of Monolayer Transition Metal Dichalcogenides for Wrinkle Arrays. ACS Nano, 2021, 15, 6633-6644.	14.6	37
5	Impact of Nanoscale Roughness on Heat Transport across the Solidâ€“Solid Interface. Advanced Materials Interfaces, 2020, 7, 1901582.	3.7	24
6	CeO₂ Nanostructures Enriched with Oxygen Vacancies for Photocatalytic CO₂ Reduction. ACS Applied Nano Materials, 2020, 3, 138-148.	5.0	148
7	Low-temperature wafer-scale fabrication of vertical VO2 nanowire arrays. Applied Physics Letters, 2020, 117, .	3.3	7
8	Multistimuliâ€Responsive Insectâ€Scale Soft Robotics Based on Anisotropic Superâ€Aligned VO₂ Nanowire/Carbon Nanotube Bimorph Actuators. Advanced Intelligent Systems, 2020, 2, 2000051.	6.1	14
9	Freestanding agaric-like molybdenum carbide/graphene/N-doped carbon foam as effective polysulfide anchor and catalyst for high performance lithium sulfur batteries. Energy Storage Materials, 2020, 33, 73-81.	18.0	81
10	Oxide Inhibitor-Assisted Growth of Single-Layer Molybdenum Dichalcogenides (MoX₂, X =) Tj ETQq0 0 0 rgBT /Overlock 10	14.6	30
11	Black phosphorus-based van der Waals heterostructures for mid-infrared light-emission applications. Light: Science and Applications, 2020, 9, 114.	16.6	100
12	Multiple Regulation over Growth Direction, Band Structure, and Dimension of Monolayer WS₂ by a Quartz Substrate. Chemistry of Materials, 2020, 32, 2508-2517.	6.7	21
13	How a trapeziform flake of monolayer WS2 formed on SiO2(1Â0Â0)? A first-principle study. Applied Surface Science, 2020, 517, 145864.	6.1	2
14	Free-Molecular-Flow Modulated Synthesis of Hexagonal Boron Nitride Monolayers. Crystal Growth and Design, 2019, 19, 7007-7014.	3.0	10
15	Single-electrode triboelectric nanogenerator based on economical graphite coated paper for harvesting waste environmental energy. Nano Energy, 2019, 66, 104141.	16.0	71
16	Actuators: Singleâ€Crystalline Vanadium Dioxide Actuators (Adv. Funct. Mater. 20/2019). Advanced Functional Materials, 2019, 29, 1970138.	14.9	0
17	MOFs-derived ZnCoâ€“Fe coreâ€“shell nanocages with remarkable oxygen evolution reaction performance. Journal of Materials Chemistry A, 2019, 7, 17299-17305.	10.3	47
18	Singleâ€Crystalline Vanadium Dioxide Actuators. Advanced Functional Materials, 2019, 29, 1900527.	14.9	37

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19	Oil boundary approach for sublimation enabled camphor mediated graphene transfer. Journal of Colloid and Interface Science, 2019, 546, 11-19.	9.4	13
20	A Universal Stamping Method of Graphene Transfer for Conducting Flexible and Transparent Polymers. Scientific Reports, 2019, 9, 3999.	3.3	31
21	Nature inspired ZnO/ZnS nanobranch-like composites, decorated with Cu(OH)2 clusters for enhanced visible-light photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 253, 379-390.	20.2	90
22	Recent advances in fabrication strategies, phase transition modulation, and advanced applications of vanadium dioxide. Applied Physics Reviews, 2019, 6, .	11.3	93
23	Elastic Properties and Fracture Behaviors of Biaxially Deformed, Polymorphic MoTe₂. Nano Letters, 2019, 19, 761-769.	9.1	67
24	Twin Defect Derived Growth of Atomically Thin MoS₂ Dendrites. ACS Nano, 2018, 12, 635-643.	14.6	92
25	3D heterostructured pure and N-Doped Ni3S2/VS2 nanosheets for high efficient overall water splitting. Electrochimica Acta, 2018, 269, 55-61.	5.2	132
26	Effect of sintering temperature on structural, electrical, and ferroelectric properties of lanthanum and sodium co-substituted barium titanate ceramics. Journal of Alloys and Compounds, 2018, 762, 49-61.	5.5	35
27	Vanadium disulfide decorated graphitic carbon nitride for super-efficient solar-driven hydrogen evolution. Applied Catalysis B: Environmental, 2018, 237, 295-301.	20.2	89
28	Fluctuation-induced tunneling conduction in iodine-doped bilayer graphene. Journal of Applied Physics, 2018, 123, 244302.	2.5	2
29	Directly Probing Light Absorption Enhancement of Single Hierarchical Structures with Engineered Surface Roughness. Scientific Reports, 2018, 8, 12283.	3.3	6
30	Structural, electrical, and electrochemical properties of PVA-based biodegradable gel polymer electrolyte membranes for Mg-ion battery applications. Ionics, 2017, 23, 1759-1769.	2.4	35
31	Preparation, properties, and Li-ion battery application of ECÂ+ÂPC-modified PVdF-HFP gel polymer electrolyte films. Ionics, 2017, 23, 3365-3375.	2.4	23
32	Phosphorous doped graphitic-C3N4 hierarchical architecture for hydrogen production from water under visible light. Materials Today Energy, 2017, 5, 91-98.	4.7	27
33	Shape-Dependent Defect Structures of Monolayer MoS₂ Crystals Grown by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2017, 9, 763-770.	8.0	45
34	Isolation and Characterization of Few-Layer Manganese Thiophosphite. ACS Nano, 2017, 11, 11330-11336.	14.6	98
35	Axial Modulation of Metalâ€“Insulator Phase Transition of VO₂ Nanowires by Graded Doping Engineering for Optically Readable Thermometers. Journal of Physical Chemistry C, 2017, 121, 24877-24885.	3.1	31
36	Ionic liquid incorporated biodegradable gel polymer electrolyte for lithium ion battery applications. Journal of Materials Science: Materials in Electronics, 2016, 27, 1370-1377.	2.2	36

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37	Preparation and characterization of biodegradable poly(Îµ-caprolactone)-based gel polymer electrolyte films. Ionics, 2016, 22, 661-670.	2.4	31