

# Wang, Jingwei

## List of Publications by Year in descending order

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37  
papers

1,791  
citations

236925

25  
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g-index

38  
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docs citations

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times ranked

2930  
citing authors

#	ARTICLE	IF	CITATIONS
1	CeO <sub>2</sub> Nanostructures Enriched with Oxygen Vacancies for Photocatalytic CO <sub>2</sub> Reduction. ACS Applied Nano Materials, 2020, 3, 138-148.	5.0	148
2	3D heterostructured pure and N-Doped Ni <sub>3</sub> S <sub>2</sub> /VS <sub>2</sub> nanosheets for high efficient overall water splitting. Electrochimica Acta, 2018, 269, 55-61.	5.2	132
3	Construction of highly efficient Z-scheme Zn <sub>x</sub> Cd <sub>1-x</sub> S/Au@g-C <sub>3</sub> N <sub>4</sub> ternary heterojunction composite for visible-light-driven photocatalytic reduction of CO <sub>2</sub> to solar fuel. Applied Catalysis B: Environmental, 2021, 282, 119600.	20.2	129
4	Black phosphorus-based van der Waals heterostructures for mid-infrared light-emission applications. Light: Science and Applications, 2020, 9, 114.	16.6	100
5	Isolation and Characterization of Few-Layer Manganese Thiophosphite. ACS Nano, 2017, 11, 11330-11336.	14.6	98
6	Recent advances in fabrication strategies, phase transition modulation, and advanced applications of vanadium dioxide. Applied Physics Reviews, 2019, 6, .	11.3	93
7	Twin Defect Derived Growth of Atomically Thin MoS <sub>2</sub> Dendrites. ACS Nano, 2018, 12, 635-643.	14.6	92
8	Nature inspired ZnO/ZnS nanobranched-like composites, decorated with Cu(OH) <sub>2</sub> clusters for enhanced visible-light photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 253, 379-390.	20.2	90
9	Vanadium disulfide decorated graphitic carbon nitride for super-efficient solar-driven hydrogen evolution. Applied Catalysis B: Environmental, 2018, 237, 295-301.	20.2	89
10	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
11	Single-electrode triboelectric nanogenerator based on economical graphite coated paper for harvesting waste environmental energy. Nano Energy, 2019, 66, 104141.	16.0	71
12	Elastic Properties and Fracture Behaviors of Biaxially Deformed, Polymorphic MoTe <sub>2</sub> . Nano Letters, 2019, 19, 761-769.	9.1	67
13	MOFs-derived ZnCo@Fe core-shell nanocages with remarkable oxygen evolution reaction performance. Journal of Materials Chemistry A, 2019, 7, 17299-17305.	10.3	47
14	Shape-Dependent Defect Structures of Monolayer MoS <sub>2</sub> Crystals Grown by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2017, 9, 763-770.	8.0	45
15	Rational construction of plasmonic Z-scheme Ag-ZnO-CeO <sub>2</sub> heterostructures for highly enhanced solar photocatalytic H <sub>2</sub> evolution. Applied Surface Science, 2021, 541, 148457.	6.1	39
16	Single-Crystalline Vanadium Dioxide Actuators. Advanced Functional Materials, 2019, 29, 1900527.	14.9	37
17	Strained Epitaxy of Monolayer Transition Metal Dichalcogenides for Wrinkle Arrays. ACS Nano, 2021, 15, 6633-6644.	14.6	37
18	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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19	Structural, electrical, and electrochemical properties of PVA-based biodegradable gel polymer electrolyte membranes for Mg-ion battery applications. <i>Ionics</i> , 2017, 23, 1759-1769.	2.4	35
20	Effect of sintering temperature on structural, electrical, and ferroelectric properties of lanthanum and sodium co-substituted barium titanate ceramics. <i>Journal of Alloys and Compounds</i> , 2018, 762, 49-61.	5.5	35
21	Preparation and characterization of biodegradable poly( $\mu$ -caprolactone)-based gel polymer electrolyte films. <i>Ionics</i> , 2016, 22, 661-670.	2.4	31
22	Axial Modulation of Metal-Insulator Phase Transition of VO <sub>2</sub> Nanowires by Graded Doping Engineering for Optically Readable Thermometers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24877-24885.	3.1	31
23	A Universal Stamping Method of Graphene Transfer for Conducting Flexible and Transparent Polymers. <i>Scientific Reports</i> , 2019, 9, 3999.	3.3	31
24	Oxide Inhibitor-Assisted Growth of Single-Layer Molybdenum Dichalcogenides (MoX <sub>2</sub> , X = S, Se, Te) on Graphene. <i>ACS Nano</i> , 2017, 11, 10000-10008.	14.8	30
25	Phosphorous doped graphitic-C <sub>3</sub> N <sub>4</sub> hierarchical architecture for hydrogen production from water under visible light. <i>Materials Today Energy</i> , 2017, 5, 91-98.	4.7	27
26	Impact of Nanoscale Roughness on Heat Transport across the Solid-Solid Interface. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901582.	3.7	24
27	Preparation, properties, and Li-ion battery application of EC-APC-modified PVdF-HFP gel polymer electrolyte films. <i>Ionics</i> , 2017, 23, 3365-3375.	2.4	23
28	Multiple Regulation over Growth Direction, Band Structure, and Dimension of Monolayer WS <sub>2</sub> by a Quartz Substrate. <i>Chemistry of Materials</i> , 2020, 32, 2508-2517.	6.7	21
29	Bridging the gap between atomically thin semiconductors and metal leads. <i>Nature Communications</i> , 2022, 13, 1777.	12.8	17
30	Multistimuli-Responsive Insect-Scale Soft Robotics Based on Anisotropic Super-Aligned VO <sub>2</sub> Nanowire/Carbon Nanotube Bimorph Actuators. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000051.	6.1	14
31	Oil boundary approach for sublimation enabled camphor mediated graphene transfer. <i>Journal of Colloid and Interface Science</i> , 2019, 546, 11-19.	9.4	13
32	Free-Molecular-Flow Modulated Synthesis of Hexagonal Boron Nitride Monolayers. <i>Crystal Growth and Design</i> , 2019, 19, 7007-7014.	3.0	10
33	Low-temperature wafer-scale fabrication of vertical VO <sub>2</sub> nanowire arrays. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	7
34	Directly Probing Light Absorption Enhancement of Single Hierarchical Structures with Engineered Surface Roughness. <i>Scientific Reports</i> , 2018, 8, 12283.	3.3	6
35	Fluctuation-induced tunneling conduction in iodine-doped bilayer graphene. <i>Journal of Applied Physics</i> , 2018, 123, 244302.	2.5	2
36	How a trapeziform flake of monolayer WS <sub>2</sub> formed on SiO <sub>2</sub> (100)? A first-principle study. <i>Applied Surface Science</i> , 2020, 517, 145864.	6.1	2

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37	Actuators: Single-Crystalline Vanadium Dioxide Actuators (Adv. Funct. Mater. 20/2019). Advanced Functional Materials, 2019, 29, 1970138.	14.9	0