

# Jing Wang

## List of Publications by Year in descending order

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44  
papers

3,557  
citations

218677

26  
h-index

233421

45  
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47  
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47  
docs citations

47  
times ranked

5744  
citing authors

#	ARTICLE	IF	CITATIONS
1	Amphiphilic Egg-Shell Derived Carbon Dots: Rapid Plasma Fabrication, Pyrolysis Process, and Multicolor Printing Patterns. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9297-9301.	13.8	604
2	Insights into the Photothermal Conversion of 2D MXene Nanomaterials: Synthesis, Mechanism, and Applications. <i>Advanced Functional Materials</i> , 2020, 30, 2000712.	14.9	336
3	Versatile Bifunctional Magnetic-Fluorescent Responsive Janus Supraballs Towards the Flexible Bead Display. <i>Advanced Materials</i> , 2011, 23, 2915-2919.	21.0	335
4	Noble Metal-Free Nanocatalysts with Vacancies for Electrochemical Water Splitting. <i>Small</i> , 2018, 14, e1703323.	10.0	250
5	Structural design of TiO <sub>2</sub> -based photocatalyst for H <sub>2</sub> production and degradation applications. <i>Catalysis Science and Technology</i> , 2015, 5, 4703-4726.	4.1	223
6	Highly Branched Metal Alloy Networks with Superior Activities for the Methanol Oxidation Reaction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4488-4493.	13.8	210
7	Hair-derived carbon dots toward versatile multidimensional fluorescent materials. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6477-6483.	5.5	139
8	Bidentate-complex-derived TiO <sub>2</sub> /carbon dot photocatalysts: in situ synthesis, versatile heterostructures, and enhanced H <sub>2</sub> evolution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5703.	10.3	120
9	In situ chemical etching of tunable 3D Ni <sub>3</sub> S <sub>2</sub> superstructures for bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13916-13922.	10.3	117
10	Vegetable-extracted carbon dots and their nanocomposites for enhanced photocatalytic H <sub>2</sub> production. <i>RSC Advances</i> , 2014, 4, 44117-44123.	3.6	89
11	Plasma-engineered NiO nanosheets with enriched oxygen vacancies for enhanced electrocatalytic nitrogen fixation. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 455-463.	6.0	79
12	Carbon-ensemble-manipulated ZnS heterostructures for enhanced photocatalytic H <sub>2</sub> evolution. <i>Nanoscale</i> , 2014, 6, 9673.	5.6	71
13	Electrodeposited cobalt phosphide superstructures for solar-driven thermoelectrocatalytic overall water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16580-16584.	10.3	54
14	Self-supported yolk-shell nanocolloids towards high capacitance and excellent cycling performance. <i>Nano Energy</i> , 2015, 18, 273-282.	16.0	53
15	Fabrication of carbon quantum dots/TiO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> composites and enhancement of photocatalytic activity under visible light. <i>Chemical Physics Letters</i> , 2019, 730, 391-398.	2.6	53
16	Visible-light-driven photoelectrocatalytic activation of chloride by nanoporous MoS <sub>2</sub> @BiVO <sub>4</sub> photoanode for enhanced degradation of bisphenol A. <i>Chemosphere</i> , 2021, 263, 128279.	8.2	53
17	Quantum-dot-embedded ionomer-derived films with ordered honeycomb structures via breath figures. <i>Chemical Communications</i> , 2010, 46, 7376.	4.1	48
18	Topotactic Consolidation of Monocrystalline CoZn Hydroxides for Advanced Oxygen Evolution Electrodes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10326-10330.	13.8	43

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19	Composite Si-O-metal network catalysts with uneven electron distribution: Enhanced activity and electron transfer for catalytic ozonation of carbamazepine. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118311.	20.2	43
20	Fabrication of phosphorus nanostructures/TiO <sub>2</sub> composite photocatalyst with enhancing photodegradation and hydrogen production from water under visible light. <i>Journal of Colloid and Interface Science</i> , 2018, 516, 215-223.	9.4	42
21	Interfacial engineering of 2D/2D MXene heterostructures: face-to-face contact for augmented photodegradation of amoxicillin. <i>Chemical Engineering Journal</i> , 2021, 426, 131246.	12.7	42
22	Oxygen-vacancy-embedded 2D/2D NiFe-LDH/MXene Schottky heterojunction for boosted photodegradation of norfloxacin. <i>Applied Surface Science</i> , 2022, 572, 151432.	6.1	37
23	A fluorescent nanoprobe for 4-ethylguaicol based on the use of a molecularly imprinted polymer doped with a covalent organic framework grafted onto carbon nanodots. <i>Mikrochimica Acta</i> , 2019, 186, 182.	5.0	35
24	Multifunctional ionomer-derived honeycomb-patterned architectures and their performance in light enhancement of light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2012, 22, 4089.	6.7	32
25	Topotactic Consolidation of Monocrystalline CoZn Hydroxides for Advanced Oxygen Evolution Electrodes. <i>Angewandte Chemie</i> , 2016, 128, 10482-10486.	2.0	30
26	Efficient catalytic ozonation of diclofenac by three-dimensional iron (Fe)-doped SBA-16 mesoporous structures. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 461-470.	9.4	25
27	Efficient removal of 2,2,4,4-tetrabromodiphenyl ether with a Z-scheme Cu <sub>2</sub> O-(rGO-TiO <sub>2</sub> ) photocatalyst under sunlight irradiation. <i>Chemosphere</i> , 2020, 254, 126806.	8.2	25
28	Facile one-step electrodeposition of two-dimensional nickel-iron bimetallic sulfides for efficient electrocatalytic oxygen evolution. <i>Journal of Alloys and Compounds</i> , 2022, 894, 162533.	5.5	25
29	Highly efficient degradation of perfluorooctanoic acid: An integrated photo-electrocatalytic ozonation and mechanism study. <i>Chemical Engineering Journal</i> , 2020, 391, 123533.	12.7	24
30	The mechanism of Metal-H <sub>2</sub> O <sub>2</sub> complex immobilized on MCM-48 and enhanced electron transfer for effective peroxone ozonation of sulfamethazine. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119453.	20.2	24
31	Efficient catalytic ozonation of bisphenol A by three-dimensional mesoporous CeO <sub>x</sub> -loaded SBA-16. <i>Chemosphere</i> , 2021, 278, 130412.	8.2	21
32	Macromonomer-induced CdTe quantum dots toward multicolor fluorescent patterns and white LEDs. <i>RSC Advances</i> , 2012, 2, 9005.	3.6	20
33	Rational Integration of Inbuilt Aperture with Mesoporous Framework in Unusual Asymmetrical Yolk-Shell Structures for Energy Storage and Conversion. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32901-32909.	8.0	20
34	Vacancy engineering of group VI anions in NiCo <sub>2</sub> A <sub>4</sub> (A = O, S, Se) for efficient hydrogen production by weakening the shackles of hydronium ion. <i>Electrochimica Acta</i> , 2020, 333, 135515.	5.2	15
35	Quantum-dot-embedded polymeric fiber films with photoluminescence and superhydrophobicity. <i>Materials Letters</i> , 2013, 99, 54-56.	2.6	13
36	Enhancing catalytic ozonation activity of MCM-41 via one-step incorporating fluorine and iron: The interfacial reaction induced by hydrophobic sites and Lewis acid sites. <i>Chemosphere</i> , 2022, 292, 133544.	8.2	13

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37	Corrosion-Mediated Self-Assembly (CMSA): Direct Writing Towards Sculpturing of 3D Tunable Functional Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15804-15808.	13.8	12
38	Shedding Light on Luminescent Janus Nanoparticles: From Synthesis to Photoluminescence and Applications. <i>Small</i> , 2022, 18, e2200020.	10.0	11
39	Nature-Inspired Design of Artificial Solar-to-Fuel Conversion Systems based on Copper Phosphate Microflowers. <i>ChemSusChem</i> , 2016, 9, 1575-1578.	6.8	10
40	Manganese Copper Sulfide Nanocomposites: Structure Tailoring and Photo/Electrocatalytic Hydrogen Generation. <i>ChemCatChem</i> , 2017, 9, 4148-4154.	3.7	10
41	Recent Progress on Transition Metal Based Layered Double Hydroxides Tailored for Oxygen Electrode Reactions. <i>Catalysts</i> , 2021, 11, 1394.	3.5	8
42	Corrosion-Mediated Self-Assembly (CMSA): Direct Writing Towards Sculpturing of 3D Tunable Functional Nanostructures. <i>Angewandte Chemie</i> , 2015, 127, 16030-16034.	2.0	5
43	Constructing honeycomb architectures from polymer carbon dot composites for luminous efficacy enhancement of LEDs. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	2
44	Inorganic-organic Hybrid Membranes for Photocatalytic Hydrogen Generation and Volatile Organic Compound Degradation. <i>Procedia Engineering</i> , 2017, 215, 202-210.	1.2	1