

# Weiwei Zheng

## List of Publications by Year in descending order

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42  
papers

2,283  
citations

304743

22  
h-index

302126

39  
g-index

42  
all docs

42  
docs citations

42  
times ranked

3083  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoelectrochemically Active and Environmentally Stable CsPbBr <sub>3</sub> /TiO <sub>2</sub> Core/Shell Nanocrystals. <i>Advanced Functional Materials</i> , 2018, 28, 1704288.	14.9	413
2	Robust photocatalytic reduction of Cr(VI) on UiO-66-NH <sub>2</sub> (Zr/Hf) metal-organic framework membrane under sunlight irradiation. <i>Chemical Engineering Journal</i> , 2019, 356, 393-399.	12.7	255
3	Light-responsive UiO-66-NH <sub>2</sub> /Ag <sub>3</sub> PO <sub>4</sub> MOF-nanoparticle composites for the capture and release of sulfamethoxazole. <i>Chemical Engineering Journal</i> , 2018, 350, 436-444.	12.7	135
4	Complete Dopant Substitution by Spinodal Decomposition in Mn-Doped Two-Dimensional CsPbCl <sub>3</sub> Nanoplatelets. <i>Chemistry of Materials</i> , 2018, 30, 6400-6409.	6.7	97
5	Simultaneous Cr(VI) reduction and Cr(III) removal of bifunctional MOF/Titanate nanotube composites. <i>Environmental Pollution</i> , 2019, 249, 502-511.	7.5	97
6	Synthesis of All-Inorganic Cd-Doped CsPbCl <sub>3</sub> Perovskite Nanocrystals with Dual-Wavelength Emission. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 7079-7084.	4.6	92
7	Controlled Dopant Migration in CdS/ZnS Core/Shell Quantum Dots. <i>Journal of the American Chemical Society</i> , 2017, 139, 8878-8885.	13.7	90
8	Multidimensional CdS nanowire/CdIn <sub>2</sub> S <sub>4</sub> nanosheet heterostructure for photocatalytic and photoelectrochemical applications. <i>Nano Research</i> , 2017, 10, 2699-2711.	10.4	85
9	General Strategy for the Growth of CsPbX <sub>3</sub> (X = Cl, Br, I) Perovskite Nanosheets from the Assembly of Nanorods. <i>Chemistry of Materials</i> , 2018, 30, 3854-3860.	6.7	75
10	Photocatalytic Cr(VI) reduction over MIL-101(Fe)-NH <sub>2</sub> immobilized on alumina substrate: From batch test to continuous operation. <i>Chemical Engineering Journal</i> , 2022, 429, 132497.	12.7	71
11	Involvement of Carriers in the Size-Dependent Magnetic Exchange for Mn:CdSe Quantum Dots. <i>Journal of the American Chemical Society</i> , 2011, 133, 7482-7489.	13.7	62
12	Quantum Dots Encapsulated within Phospholipid Membranes: Phase-Dependent Structure, Photostability, and Site-Selective Functionalization. <i>Journal of the American Chemical Society</i> , 2014, 136, 1992-1999.	13.7	59
13	Solar-Driven Lignin Oxidation via Hydrogen Atom Transfer with a Dye-Sensitized TiO <sub>2</sub> Photoanode. <i>ACS Energy Letters</i> , 2020, 5, 777-784.	17.4	56
14	Robust Cr(VI) reduction over hydroxyl modified UiO-66 photocatalyst constructed from mixed ligands: Performances and mechanism insight with or without tartaric acid. <i>Environmental Research</i> , 2021, 201, 111596.	7.5	52
15	Quantum Phase Transition from Superparamagnetic to Quantum Superparamagnetic State in Ultrasmall Cd <sub>1-x</sub> Cr <sub>x</sub> Se Quantum Dots?. <i>Journal of the American Chemical Society</i> , 2012, 134, 2172-2179.	13.7	50
16	Probing the Local Site Environments in Mn:CdSe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23305-23314.	3.1	48
17	Exciton Energy Shifts and Tunable Dopant Emission in Manganese-Doped Two-Dimensional CdS/ZnS Core/Shell Nanoplatelets. <i>Chemistry of Materials</i> , 2019, 31, 2516-2523.	6.7	48
18	Ligand Engineering for Mn <sup>2+</sup> Doping Control in CsPbCl <sub>3</sub> Perovskite Nanocrystals via a Quasi-Solid-Solid Cation Exchange Reaction. <i>Chemistry of Materials</i> , 2020, 32, 2489-2500.	6.7	46

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19	Interface Engineering of Mn-Doped ZnSe-Based Core/Shell Nanowires for Tunable Host-Dopant Coupling. ACS Nano, 2017, 11, 12591-12600.	14.6	45
20	Oxygen vacancy engineering of Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> hierarchical microspheres for enhanced adsorption of Cd <sup>2+</sup> ions and photocatalytic degradation of Rhodamine B. Applied Surface Science, 2020, 512, 145647.	6.1	36
21	Photocatalytic Chemoselective C-C Bond Cleavage at Room Temperature in Dye-Sensitized Photoelectrochemical Cells. ACS Catalysis, 2021, 11, 3771-3781.	11.2	35
22	Evidence of a ZnCr <sub>2</sub> Se <sub>4</sub> Spinel Inclusion at the Core of a Cr-Doped ZnSe Quantum Dot. Journal of the American Chemical Society, 2012, 134, 5577-5585.	13.7	33
23	Alloy Formation at the Tetrapod Core/Arm Interface. Nano Letters, 2012, 12, 3132-3137.	9.1	24
24	Visible-light induced disproportionation of pyrrole derivatives for photocatalyst-free aryl halides reduction. Green Chemistry, 2020, 22, 1911-1918.	9.0	24
25	Gd-doped CuBi <sub>2</sub> O <sub>4</sub> /CuO heterojunction film photocathodes for photoelectrochemical H <sub>2</sub> O <sub>2</sub> production through oxygen reduction. Nano Research, 2021, 14, 3439-3445.	10.4	23
26	Adsorption performance toward organic pollutants, odour control and anti-microbial activities of one Ag-based coordination polymer. Journal of Environmental Chemical Engineering, 2018, 6, 4961-4969.	6.7	22
27	General strategy for lanthanide coordination polymers constructed from 1,1'-ferrocenedicarboxylic acid under hydrothermal conditions. CrystEngComm, 2018, 20, 2608-2616.	2.6	21
28	Enhanced singlet oxygen generation by hybrid Mn-doped nanocomposites for selective photo-oxidation of benzylic alcohols. Nano Research, 2020, 13, 1668-1676.	10.4	20
29	Ligand-mediated synthesis of chemically tailored two-dimensional all-inorganic perovskite nanoplatelets under ambient conditions. Journal of Materials Chemistry C, 2021, 9, 14226-14235.	5.5	20
30	High-field electron paramagnetic resonance as a microscopic probe of anisotropic strain at Mn <sup>2+</sup> sites in CdSe:Mn <sup>2+</sup> quantum dots. Chemical Physics Letters, 2012, 524, 73-77.	2.6	19
31	CuBr Crystal Growth in Ethylene Glycol Solvent by the Temperature-Difference Method. Crystal Growth and Design, 2004, 4, 413-414.	3.0	18
32	Decoupling and Coupling of the Host-Dopant Interaction by Manipulating Dopant Movement in Core/Shell Quantum Dots. Journal of Physical Chemistry Letters, 2020, 11, 5992-5999.	4.6	18
33	Controlled synthesis of trigonal selenium crystals with different morphologies. Solid State Communications, 2005, 135, 319-322.	1.9	15
34	Discrete composition control of two-dimensional morphologic all-inorganic metal halide perovskite nanocrystals. Journal of Energy Chemistry, 2021, 59, 257-275.	12.9	15
35	Reversible Photo-Switching of Dual-Color Fluorescent Mn-Doped CdS-ZnS Quantum Dots Modulated by Diarylethene Molecules. Frontiers in Chemistry, 2019, 7, 145.	3.6	13
36	Enhanced Photocatalytic Alcohol Oxidation at the Interface of RuC-Coated TiO <sub>2</sub> Nanorod Arrays. ACS Applied Materials & Interfaces, 2022, 14, 22799-22809.	8.0	13

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37	Light-response adsorption and desorption behaviors of metal-organic frameworks. , 2022, 1, 49-66.		10
38	Ru(II) Polypyridyl-Modified TiO <sub>2</sub> Nanoparticles for Photocatalytic C-C/O Bond Cleavage at Room Temperature. ACS Applied Nano Materials, 2022, 5, 948-956.	5.0	9
39	Reconfigurable Photovoltaic Systems for Electric Vehicles. IEEE Design and Test, 2018, 35, 37-43.	1.2	7
40	In Situ Deposition of Co <sub>9</sub> S <sub>8</sub> Nanocrystallite on Its Single-Crystal Flakes at Low Temperatures. Bulletin of the Chemical Society of Japan, 2005, 78, 277-280.	3.2	5
41	Luminescent solar concentrator-based photovoltaic reconfiguration for hybrid and plug-in electric vehicles. , 2016, , .		5
42	Algorithm accelerations for luminescent solar concentrator-enhanced reconfigurable onboard photovoltaic system. , 2017, , .		2