

# Hua Zhu

## List of Publications by Year in descending order

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28  
papers

1,236  
citations

430442

18  
h-index

476904

29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2139  
citing authors

#	ARTICLE	IF	CITATIONS
1	Excitation wavelength-dependent photoluminescence decay of single quantum dots near plasmonic gold nanoparticles. <i>Journal of Chemical Physics</i> , 2022, 156, 154701.	1.2	3
2	Lysosomal lipoprotein processing in endothelial cells stimulates adipose tissue thermogenic adaptation. <i>Cell Metabolism</i> , 2021, 33, 547-564.e7.	7.2	48
3	Quantum Dot Photocatalysts for Organic Transformations. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7180-7193.	2.1	48
4	Fast Lifetime Blinking in Compact CdSe/CdS Core/Shell Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2021, 125, 15433-15440.	1.5	2
5	Three-dimensional macroporous photonic crystal enhanced photon collection for quantum dot-based luminescent solar concentrator. <i>Nano Energy</i> , 2020, 67, 104217.	8.2	29
6	Influence of local structures on the energy transfer efficiencies of quantum-dot films. <i>Physical Review B</i> , 2020, 102, .	1.1	3
7	Stereoselective C <sup>α</sup> -C Oxidative Coupling Reactions Photocatalyzed by Zwitterionic Ligand Capped CsPbBr <sub>3</sub> Perovskite Quantum Dots. <i>Angewandte Chemie</i> , 2020, 132, 22752-22758.	1.6	16
8	Stereoselective C <sup>α</sup> -C Oxidative Coupling Reactions Photocatalyzed by Zwitterionic Ligand Capped CsPbBr <sub>3</sub> Perovskite Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22563-22569.	7.2	73
9	Lead-Free Cs <sub>4</sub> CuSb <sub>2</sub> Cl <sub>12</sub> Layered Double Perovskite Nanocrystals. <i>Journal of the American Chemical Society</i> , 2020, 142, 11927-11936.	6.6	131
10	Colloidal Assembly of Au@Quantum Dot@Au Sandwiched Nanostructures with Strong Plasmon-Exciton Coupling. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2449-2456.	2.1	18
11	Quantum-Dot-Induced Cesium-Rich Surface Imparts Enhanced Stability to Formamidinium Lead Iodide Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2019, 4, 1970-1975.	8.8	82
12	Pressure-Induced Transformations of Three-Component Heterostructural Nanocrystals with CdS@Au <sub>2</sub> S Janus Nanoparticles as Hosts and Small Au Nanoparticles as Satellites. <i>ACS Applied Nano Materials</i> , 2019, 2, 6804-6808.	2.4	11
13	Reversible Photo-Switching of Dual-Color Fluorescent Mn-Doped CdS-ZnS Quantum Dots Modulated by Diarylethene Molecules. <i>Frontiers in Chemistry</i> , 2019, 7, 145.	1.8	13
14	Cu-Catalyzed Synthesis of CdZnSe@CdZnS Alloy Quantum Dots with Highly Tunable Emission. <i>Chemistry of Materials</i> , 2019, 31, 2635-2643.	3.2	41
15	Controlling Nanoparticle Orientations in the Self-Assembly of Patchy Quantum Dot-Gold Heterostructural Nanocrystals. <i>Journal of the American Chemical Society</i> , 2019, 141, 6013-6021.	6.6	49
16	Manipulating Charge Transfer from Core to Shell in CdSe/CdS/Au Heterojunction Quantum Dots. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 48551-48555.	4.0	7
17	Single-component quasicrystalline nanocrystal superlattices through flexible polygon tiling rule. <i>Science</i> , 2018, 362, 1396-1400.	6.0	79
18	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.	2.1	92

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19	Superstructures generated from truncated tetrahedral quantum dots. <i>Nature</i> , 2018, 561, 378-382.	13.7	143
20	Reactive two-component monolayers template bottom-up assembly of nanoparticle arrays on HOPG. <i>Chemical Communications</i> , 2018, 54, 8056-8059.	2.2	12
21	Pressure-Induced Phase Transformation and Band-Gap Engineering of Formamidinium Lead Iodide Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4199-4205.	2.1	78
22	Self-Assembly of Quantum Dot-Gold Heterodimer Nanocrystals with Orientational Order. <i>Nano Letters</i> , 2018, 18, 5049-5056.	4.5	25
23	Pressure-Enabled Synthesis of Hetero-Dimers and Hetero-Rods through Intraparticle Coalescence and Interparticle Fusion of Quantum-Dot-Au Satellite Nanocrystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 8408-8411.	6.6	62
24	In vivo photoacoustic tumor tomography using a quinoline-annulated porphyrin as NIR molecular contrast agent. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 972-983.	1.5	31
25	Multi-component superstructures self-assembled from nanocrystal building blocks. <i>Nanoscale</i> , 2016, 8, 9944-9961.	2.8	49
26	Dual-organocatalytic Michael/Michael/aldol cascade reaction for the asymmetric construction of fully-substituted cyclohexane. <i>Tetrahedron Letters</i> , 2016, 57, 5768-5770.	0.7	8
27	Squaramide-Catalyzed Synthesis of Enantioenriched Spirocyclic Oxindoles via Ketimine Intermediates with Multiple Active Sites. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13253-13257.	7.2	49
28	Asymmetric synthesis of poly-substituted spirocyclohexane oxindole via a squaramide catalyzed cascade Michael-Michael-aldol sequence. <i>Organic Chemistry Frontiers</i> , 2015, 2, 110-113.	2.3	26