

Shouqiang Huang

List of Publications by Citations

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43
papers

2,026
citations

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h-index

44
g-index

44
ext. papers

2,422
ext. citations

10.2
avg, IF

5.24
L-index

#	Paper	IF	Citations
43	Enhancing the Stability of CH ₃ NH ₃ PbBr ₃ Quantum Dots by Embedding in Silica Spheres Derived from Tetramethyl Orthosilicate in "Waterless" Toluene. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5749-52	16.4	415
42	Highly Luminescent and Ultrastable CsPbBr ₃ Perovskite Quantum Dots Incorporated into a Silica/Alumina Monolith. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8134-8138	16.4	280
41	Conversion of invisible metal-organic frameworks to luminescent perovskite nanocrystals for confidential information encryption and decryption. <i>Nature Communications</i> , 2017 , 8, 1138	17.4	241
40	Morphology Evolution and Degradation of CsPbBr ₃ Nanocrystals under Blue Light-Emitting Diode Illumination. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7249-7258	9.5	226
39	Highly Luminescent and Ultrastable CsPbBr ₃ Perovskite Quantum Dots Incorporated into a Silica/Alumina Monolith. <i>Angewandte Chemie</i> , 2017 , 129, 8246-8250	3.6	114
38	Near-infrared photocatalyst of Er ³⁺ /Yb ³⁺ codoped (CaF ₂ @TiO ₂) nanoparticles with active-core/active-shell structure. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7874	13	67
37	Postsynthesis Phase Transformation for CsPbBr ₃ /RbPbBr ₃ Core/Shell Nanocrystals with Exceptional Photostability. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23303-23310	9.5	66
36	Postsynthesis Potassium-Modification Method to Improve Stability of CsPbBr ₃ Perovskite Nanocrystals. <i>Advanced Optical Materials</i> , 2018 , 6, 1701106	8.1	65
35	Near-infrared photocatalysts of BiVO ₄ /CaF ₂ @Er ³⁺ , Tm ³⁺ , Yb ³⁺ with enhanced upconversion properties. <i>Nanoscale</i> , 2014 , 6, 1362-8	7.7	61
34	Efficient removal of Pb(II) from water using magnetic Fe ₃ S ₄ /reduced graphene oxide composites. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19333-19342	13	51
33	Heavy metal recovery from electroplating wastewater by synthesis of mixed-Fe ₃ O ₄ @SiO ₂ /metal oxide magnetite photocatalysts. <i>Green Chemistry</i> , 2014 , 16, 2696-2705	10	46
32	Hydrofluoroethers as orthogonal solvents for all-solution processed perovskite quantum-dot light-emitting diodes. <i>Nano Energy</i> , 2018 , 51, 358-365	17.1	28
31	Boosting photocatalytic performance and stability of CuInS ₂ /ZnS-TiO ₂ heterostructures via sol-gel processed integrate amorphous titania gel. <i>Applied Catalysis B: Environmental</i> , 2017 , 204, 403-410	21.8	28
30	Enhancing upconversion emissions of Er ³⁺ /Tm ³⁺ /Yb ³⁺ tridoped (NaY(WO ₄) ₂ /YF ₃) through TiO ₂ coating and Bi ³⁺ doping and its photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , 2015 , 168-169, 313-321	21.8	28
29	Upconversion assisted BiOI/ZnWO ₄ :Er ³⁺ , Tm ³⁺ , Yb ³⁺ heterostructures with enhanced visible and near-infrared photocatalytic activities. <i>RSC Advances</i> , 2014 , 4, 61679-61686	3.7	28
28	CaF ₂ -Based Near-Infrared Photocatalyst Using the Multifunctional CaTiO ₃ Precursors as the Calcium Source. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20170-8	9.5	26
27	Enhancing the stability of CsPbBr ₃ nanocrystals by sequential surface adsorption of S and metal ions. <i>Chemical Communications</i> , 2018 , 54, 9345-9348	5.8	26

26	An efficient near infrared photocatalyst of Er ³⁺ /Tm ³⁺ /Yb ³⁺ tridoped (CaWO ₄ @(TiO ₂ /CaF ₂)) with multi-stage CaF ₂ nanocrystal formation. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16165-16174	13	25
25	Near-infrared responsive upconversion glass-ceramic@BiOBr heterojunction for enhanced photodegradation performances of norfloxacin. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123981	12.8	24
24	Metal recovery based magnetite near-infrared photocatalyst with broadband spectrum utilization property. <i>Applied Catalysis B: Environmental</i> , 2016 , 181, 456-464	21.8	21
23	Enhanced photocatalytic activities of the heterostructured upconversion photocatalysts with cotton mediated on TiO ₂ /ZnWO ₄ :Yb ³⁺ ,Tm ³⁺ . <i>Dalton Transactions</i> , 2015 , 44, 13681-7	4.3	17
22	Defect-rich heterojunction photocatalyst originated from the removal of chloride ions and its degradation mechanism of norfloxacin. <i>Chemical Engineering Journal</i> , 2021 , 421, 127852	14.7	16
21	Comparison of photocatalytic activities between Er ³⁺ /Yb ³⁺ and Tm ³⁺ /Yb ³⁺ codoped (CaWO ₄ @(TiO ₂ /CaF ₂)) near-infrared photocatalysts. <i>Catalysis Communications</i> , 2015 , 61, 6-10	3.2	14
20	Facile synthesis of porous TiO ₂ photocatalysts using waste sludge as the template. <i>Applied Surface Science</i> , 2015 , 359, 917-922	6.7	13
19	Extraction of cobalt(ii) by methyltrioctylammonium chloride in nickel(ii)-containing chloride solution from spent lithium ion batteries.. <i>RSC Advances</i> , 2019 , 9, 22729-22739	3.7	12
18	Removal and recovery of chloride ions in concentrated leachate by Bi(III) containing oxides quantum dots/two-dimensional flakes. <i>Journal of Hazardous Materials</i> , 2020 , 382, 121041	12.8	12
17	Synthesis of an efficient lanthanide doped glass-ceramic based near-infrared photocatalyst by a completely waterless solid-state reaction method. <i>Dalton Transactions</i> , 2019 , 48, 9925-9929	4.3	8
16	Efficient and regenerative near-infrared glass-ceramic photocatalyst fabricated by a facile in-situ etching method. <i>Chemical Engineering Journal</i> , 2020 , 394, 124877	14.7	8
15	Effect of the Electronic Structure on the Stability of CdSe/CdS and CdSe/CdS/ZnS Quantum-Dot Phosphors Incorporated into a Silica/Alumina Monolith. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3086-3090	5.6	7
14	Sacrificial oxidation of a self-metal source for the rapid growth of metal oxides on quantum dots towards improving photostability. <i>Chemical Science</i> , 2019 , 10, 6683-6688	9.4	6
13	Magnetite CaF ₂ near-infrared photocatalysts fabricated with Ca-enriched ferrites derived from electroplating wastewater. <i>Chemical Engineering Journal</i> , 2020 , 394, 124868	14.7	6
12	Mitigation of low methane content landfill gas through visible-near-infrared photocatalysis over Y ₂ O ₃ :Er ³⁺ /Graphene/TiO ₂ . <i>Applied Surface Science</i> , 2018 , 456, 854-860	6.7	6
11	Synthesis of novel magnetic sulfur-doped Fe ₃ O ₄ nanoparticles for efficient removal of Pb(II). <i>Science China Chemistry</i> , 2018 , 61, 164-171	7.9	5
10	Recovery of cobalt from spent lithium-ion batteries as the dopant of TiO ₂ photocatalysts for boosting ciprofloxacin degradation. <i>Journal of Cleaner Production</i> , 2021 , 316, 128279	10.3	5
9	Fluorine recovery from etching wastewater through CaF ₂ -based near-infrared photocatalyst synthesis. <i>Journal of Cleaner Production</i> , 2018 , 175, 267-275	10.3	4

8	Preparation of CaF ₂ /TiO ₂ /Ln ₂ Ti ₂ O ₇ (Ln = Er, Tm, Yb) based magnetite near-infrared photocatalyst supported on waste ferrite. <i>Materials Research Bulletin</i> , 2017 , 86, 107-112	5.1	4
7	A novel approach to coat silica on quantum dots: Forcing decomposition of tetraethyl orthosilicate in toluene at high temperature. <i>Journal of Alloys and Compounds</i> , 2020 , 817, 152698	5.7	4
6	Fabrication of monodispersed plasmonic photocatalysts on activated carbon with the carbon source and reduction property of sewage sludge. <i>Applied Surface Science</i> , 2021 , 538, 148036	6.7	4
5	Cu-based heterostructure photocatalysts derived from Cu sludge and municipal sewage sludge for efficient degradation of 2,4-dichlorophenol. <i>Chemical Engineering Journal</i> , 2022 , 429, 132140	14.7	3
4	Large-scale fabrication of upconversion/quantum dots photocatalyst film by a facile spin-coating method. <i>Journal of Solid State Chemistry</i> , 2020 , 282, 121092	3.3	2
3	Near-infrared responsive Z-scheme heterojunction with strong stability and ultra-high quantum efficiency constructed by lanthanide-doped glass. <i>Applied Catalysis B: Environmental</i> , 2022 , 311, 121363	21.8	2
2	Comparison of bismuth ferrites for chloride removal: Removal efficiency, stability, and structure. <i>Applied Surface Science</i> , 2021 , 151804	6.7	1
1	Effect of introducing zinc on the photoluminescence and stability of cesium lead halide perovskite materials. <i>Applied Surface Science</i> , 2022 , 584, 152527	6.7	