

Long Kong

List of Publications by Year in descending order

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47
papers

3,500
citations

218381

26
h-index

223531

46
g-index

47
all docs

47
docs citations

47
times ranked

4074
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 5749-5752.	6.6	501
2	Conversion of invisible metal-organic frameworks to luminescent perovskite nanocrystals for confidential information encryption and decryption. <i>Nature Communications</i> , 2017, 8, 1138.	5.8	374
3	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.	7.2	355
4	Morphology Evolution and Degradation of CsPbBr ₃ Nanocrystals under Blue Light-Emitting Diode Illumination. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7249-7258.	4.0	314
5	Suppression of temperature quenching in perovskite nanocrystals for efficient and thermally stable light-emitting diodes. <i>Nature Photonics</i> , 2021, 15, 379-385.	15.6	260
6	Ceramic-like stable CsPbBr ₃ nanocrystals encapsulated in silica derived from molecular sieve templates. <i>Nature Communications</i> , 2020, 11, 31.	5.8	185
7	Magnetic Biochar Decorated with ZnS Nanocrystals for Pb (II) Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 125-132.	3.2	180
8	Highly Luminescent and Ultrastable CsPbBr ₃ Perovskite Quantum Dots Incorporated into a Silica/Alumina Monolith. <i>Angewandte Chemie</i> , 2017, 129, 8246-8250.	1.6	153
9	Postsynthesis Phase Transformation for CsPbBr ₃ /Rb ₄ PbBr ₆ Core/Shell Nanocrystals with Exceptional Photostability. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23303-23310.	4.0	98
10	β-Cyclodextrin stabilized magnetic Fe ₃ S ₄ nanoparticles for efficient removal of Pb(II). <i>Journal of Materials Chemistry A</i> , 2015, 3, 15755-15763.	5.2	92
11	General Method for the Synthesis of Ultrastable Core/Shell Quantum Dots by Aluminum Doping. <i>Journal of the American Chemical Society</i> , 2015, 137, 12430-12433.	6.6	91
12	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.	5.2	72
13	Surface Ligand Engineering toward Brightly Luminescent and Stable Cesium Lead Halide Perovskite Nanoplatelets for Efficient Blue-Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26161-26169.	1.5	59
14	Large-Scale Synthesis of Highly Luminescent Perovskite Nanocrystals by Template-Assisted Solid-State Reaction at 800 °C. <i>Chemistry of Materials</i> , 2020, 32, 308-314.	3.2	57
15	Stabilizing perovskite nanocrystals by controlling protective surface ligands density. <i>Nano Research</i> , 2019, 12, 1461-1465.	5.8	56
16	Highly stable CuInS ₂ @ZnS:Al core@shell quantum dots: the role of aluminium self-passivation. <i>Chemical Communications</i> , 2015, 51, 8757-8760.	2.2	44
17	Hydrofluoroethers as orthogonal solvents for all-solution processed perovskite quantum-dot light-emitting diodes. <i>Nano Energy</i> , 2018, 51, 358-365.	8.2	40
18	Confined Synthesis of Stable and Uniform CsPbBr ₃ Nanocrystals with High Quantum Yield up to 90% by High Temperature Solid-State Reaction. <i>Advanced Optical Materials</i> , 2021, 9, 2002130.	3.6	40

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19	Narrow-Band Violet-Light-Emitting Diodes Based on Stable Cesium Lead Chloride Perovskite Nanocrystals. <i>ACS Energy Letters</i> , 2021, 6, 3545-3554.	8.8	39
20	Stable Lead-Free Tin Halide Perovskite with Operational Stability >1200 h by Suppressing Tin(II) Oxidation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	34
21	Enhancing the stability of CsPbBr ₃ nanocrystals by sequential surface adsorption of S ²⁻ and metal ions. <i>Chemical Communications</i> , 2018, 54, 9345-9348.	2.2	33
22	Critical role of metal ions in surface engineering toward brightly luminescent and stable cesium lead bromide perovskite quantum dots. <i>Nanoscale</i> , 2019, 11, 2602-2607.	2.8	33
23	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.	10.8	32
24	Bifunctional Passivation Strategy to Achieve Stable CsPbBr ₃ Nanocrystals with Drastically Reduced Thermal-Quenching. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 993-999.	2.1	32
25	Band Gap Engineering toward Wavelength Tunable CsPbBr ₃ Nanocrystals for Achieving Rec. 2020 Displays. <i>Chemistry of Materials</i> , 2021, 33, 3575-3584.	3.2	32
26	CsPbBr ₃ Nanocrystal Light-Emitting Diodes with Efficiency up to 13.4% Achieved by Careful Surface Engineering and Device Engineering. <i>Journal of Physical Chemistry C</i> , 2021, 125, 3110-3118.	1.5	29
27	Simultaneous reduction and sequestration of hexavalent chromium by magnetic β -Cyclodextrin stabilized Fe ₃ S ₄ . <i>Journal of Hazardous Materials</i> , 2022, 431, 128592.	6.5	28
28	Suppressing thermal quenching of lead halide perovskite nanocrystals by constructing a wide-bandgap surface layer for achieving thermally stable white light-emitting diodes. <i>Chemical Science</i> , 2022, 13, 3719-3727.	3.7	25
29	High-efficiency perovskite nanocrystal light-emitting diodes <i>via</i> decorating NiO _x on the nanocrystal surface. <i>Nanoscale</i> , 2020, 12, 8711-8719.	2.8	23
30	Removal of arsenic(^v) from aqueous solutions using sulfur-doped Fe ₃ O ₄ nanoparticles. <i>RSC Advances</i> , 2018, 8, 40804-40812.	1.7	22
31	Soil mineral alters the effect of Cd on the alkaline phosphatase activity. <i>Ecotoxicology and Environmental Safety</i> , 2018, 161, 78-84.	2.9	19
32	Evenly distribution of amorphous iron sulfides on reconstructed Mg-Al hydrotalcites for improving Cr(VI) removal efficiency. <i>Chemical Engineering Journal</i> , 2021, 417, 129228.	6.6	17
33	Magnetic Adsorbents for Wastewater Treatment: Advancements in Their Synthesis Methods. <i>Materials</i> , 2022, 15, 1053.	1.3	17
34	Contribution of attendant anions on cadmium toxicity to soil enzymes. <i>Chemosphere</i> , 2017, 187, 19-26.	4.2	16
35	Synthesis of lead halide perovskite nanocrystals by melt crystallization in halide salts. <i>Chemical Communications</i> , 2020, 56, 11291-11294.	2.2	12
36	Surface Oxidation of Quantum Dots to Improve the Device Performance of Quantum Dot Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 28424-28430.	1.5	12

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37	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.	4.2	10
38	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.	2.4	9
39	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.	3.7	9
40	Improving the Stability of CsPbBr ₃ Perovskite Nanocrystals by Peroxides Post-treatment. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	9
41	Nano ferric oxide adsorbents with self-acidification effect for efficient adsorption of Sb(V). <i>Chemosphere</i> , 2021, 272, 129933.	4.2	9
42	High-Efficiency Semitransparent Light-Emitting Diodes with Perovskite Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19697-19703.	4.0	8
43	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.	2.8	7
44	Optimized synthesis of CuInS ₂ /ZnS:Al@TiO ₂ nanocomposites for 1,3-dichloropropene photodegradation. <i>RSC Advances</i> , 2016, 6, 77777-77785.	1.7	6
45	Influence of soil factors on the soil enzyme inhibition by Cd. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2014, 64, 666-674.	0.3	4
46	Stable Lead-Free Tin Halide Perovskite with Operational Stability >1200 h by Suppressing Tin(II) Oxidation. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
47	Synthesis of C-Plane Oriented Hexagonal Tungsten Oxide Membranes on Tubular Substrates and Their Acetic Acid/Water Separation Performances. <i>Membranes</i> , 2021, 11, 38.	1.4	1