Long Kong

List of Publications by Year in Descending Order

42 papers	2,287 citations	20 h-index	47 g-index
47 ext. papers	2,901 ext. citations	9.6 avg, IF	5.37 L-index

#	Paper	IF	Citations
42	Suppressing thermal quenching of lead halide perovskite nanocrystals by constructing a wide-bandgap surface layer for achieving thermally stable white light-emitting diodes.. *Chemical Science*, **2022**, 13, 3719-3727	9.4	5
41	Simultaneous reduction and sequestration of hexavalent chromium by magnetic Cyclodextrin stabilized FeS.. *Journal of Hazardous Materials*, **2022**, 431, 128592	12.8	0
40	Confined Synthesis of Stable and Uniform CsPbBr3 Nanocrystals with High Quantum Yield up to 90% by High Temperature Solid-State Reaction. *Advanced Optical Materials*, **2021**, 9, 2002130	8.1	14
39	Suppression of temperature quenching in perovskite nanocrystals for efficient and thermally stable light-emitting diodes. *Nature Photonics*, **2021**, 15, 379-385	33.9	94
38	Band Gap Engineering toward Wavelength Tunable CsPbBr3 Nanocrystals for Achieving Rec. 2020 Displays. *Chemistry of Materials*, **2021**, 33, 3575-3584	9.6	11
37	Nano ferric oxide adsorbents with self-acidification effect for efficient adsorption of Sb(V).. *Chemosphere*, **2021**, 272, 129933	8.4	5
36	Evenly distribution of amorphous iron sulfides on reconstructed Mg-Al hydrotalcites for improving Cr(VI) removal efficiency. *Chemical Engineering Journal*, **2021**, 417, 129228	14.7	3
35	CsPbBr3 Nanocrystal Light-Emitting Diodes with Efficiency up to 13.4% Achieved by Careful Surface Engineering and Device Engineering. *Journal of Physical Chemistry C*, **2021**, 125, 3110-3118	3.8	9
34	Bifunctional Passivation Strategy to Achieve Stable CsPbBr Nanocrystals with Drastically Reduced Thermal-Quenching. *Journal of Physical Chemistry Letters*, **2020**, 11, 993-999	6.4	18
33	High-efficiency perovskite nanocrystal light-emitting diodes via decorating NiO on the nanocrystal surface. *Nanoscale*, **2020**, 12, 8711-8719	7.7	12
32	Surface Oxidation of Quantum Dots to Improve the Device Performance of Quantum Dot Light-Emitting Diodes. *Journal of Physical Chemistry C*, **2020**, 124, 28424-28430	3.8	4
31	A novel approach to coat silica on quantum dots: Forcing decomposition of tetraethyl orthosilicate in toluene at high temperature. *Journal of Alloys and Compounds*, **2020**, 817, 152698	5.7	4
30	Large-Scale Synthesis of Highly Luminescent Perovskite Nanocrystals by Template-Assisted Solid-State Reaction at 800 C. *Chemistry of Materials*, **2020**, 32, 308-314	9.6	32
29	Ceramic-like stable CsPbBr nanocrystals encapsulated in silica derived from molecular sieve templates. *Nature Communications*, **2020**, 11, 31	17.4	93
28	Synthesis of lead halide perovskite nanocrystals by melt crystallization in halide salts. *Chemical Communications*, **2020**, 56, 11291-11294	5.8	7
27	Critical role of metal ions in surface engineering toward brightly luminescent and stable cesium lead bromide perovskite quantum dots. *Nanoscale*, **2019**, 11, 2602-2607	7.7	24
26	Sacrificial oxidation of a self-metal source for the rapid growth of metal oxides on quantum dots towards improving photostability. *Chemical Science*, **2019**, 10, 6683-6688	9.4	6

25	Stabilizing perovskite nanocrystals by controlling protective surface ligands density. *Nano Research*, **2019**, 12, 1461-1465	10	41
24	Surface Ligand Engineering toward Brightly Luminescent and Stable Cesium Lead Halide Perovskite Nanoplatelets for Efficient Blue-Light-Emitting Diodes. *Journal of Physical Chemistry C*, **2019**, 123, 26161-26169	3.8	34
23	Improving the Stability of CsPbBr3 Perovskite Nanocrystals by Peroxides Post-treatment. *Frontiers in Materials*, **2019**, 6,	4	4
22	Synthesis of novel magnetic sulfur-doped Fe3O4 nanoparticles for efficient removal of Pb(II). *Science China Chemistry*, **2018**, 61, 164-171	7.9	5
21	Enhancing the stability of CsPbBr nanocrystals by sequential surface adsorption of S and metal ions. *Chemical Communications*, **2018**, 54, 9345-9348	5.8	26
20	Effect of the Electronic Structure on the Stability of CdSe/CdS and CdSe/CdS/ZnS Quantum-Dot Phosphors Incorporated into a Silica/Alumina Monolith. *ACS Applied Nano Materials*, **2018**, 1, 3086-3090	5.6	7
19	Soil mineral alters the effect of Cd on the alkaline phosphatase activity. *Ecotoxicology and Environmental Safety*, **2018**, 161, 78-84	7	11
18	Postsynthesis Phase Transformation for CsPbBr/RbPbBr Core/Shell Nanocrystals with Exceptional Photostability. *ACS Applied Materials & Interfaces*, **2018**, 10, 23303-23310	9.5	66
17	Hydrofluoroethers as orthogonal solvents for all-solution processed perovskite quantum-dot light-emitting diodes. *Nano Energy*, **2018**, 51, 358-365	17.1	28
16	Removal of arsenic(v) from aqueous solutions using sulfur-doped FeO nanoparticles.. *RSC Advances*, **2018**, 8, 40804-40812	3.7	12
15	Morphology Evolution and Degradation of CsPbBr Nanocrystals under Blue Light-Emitting Diode Illumination. *ACS Applied Materials & Interfaces*, **2017**, 9, 7249-7258	9.5	226
14	Highly Luminescent and Ultrastable CsPbBr3 Perovskite Quantum Dots Incorporated into a Silica/Alumina Monolith. *Angewandte Chemie*, **2017**, 129, 8246-8250	3.6	114
13	Highly Luminescent and Ultrastable CsPbBr Perovskite Quantum Dots Incorporated into a Silica/Alumina Monolith. *Angewandte Chemie - International Edition*, **2017**, 56, 8134-8138	16.4	280
12	Conversion of invisible metal-organic frameworks to luminescent perovskite nanocrystals for confidential information encryption and decryption. *Nature Communications*, **2017**, 8, 1138	17.4	241
11	Contribution of attendant anions on cadmium toxicity to soil enzymes. *Chemosphere*, **2017**, 187, 19-26	8.4	12
10	Efficient removal of Pb(II) from water using magnetic Fe3S4/reduced graphene oxide composites. *Journal of Materials Chemistry A*, **2017**, 5, 19333-19342	13	51
9	Boosting photocatalytic performance and stability of CuInS2/ZnS-TiO2 heterostructures via sol-gel processed integrate amorphous titania gel. *Applied Catalysis B: Environmental*, **2017**, 204, 403-410	21.8	28
8	Optimized synthesis of CuInS2/ZnS:Al□TiO2 nanocomposites for 1,3-dichloropropene photodegradation. *RSC Advances*, **2016**, 6, 77777-77785	3.7	6

7	Enhancing the Stability of CH3NH3PbBr3 Quantum Dots by Embedding in Silica Spheres Derived from Tetramethyl Orthosilicate in "Waterless" Toluene. *Journal of the American Chemical Society*, **2016**, 138, 5749-52	16.4	415
6	Cyclodextrin stabilized magnetic Fe3S4 nanoparticles for efficient removal of Pb(II). *Journal of Materials Chemistry A*, **2015**, 3, 15755-15763	13	72
5	General Method for the Synthesis of Ultrastable Core/Shell Quantum Dots by Aluminum Doping. *Journal of the American Chemical Society*, **2015**, 137, 12430-3	16.4	71
4	Magnetic Biochar Decorated with ZnS Nanocrytals for Pb (II) Removal. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 125-132	8.3	145
3	Highly stable CuInS2@ZnS:Al core@shell quantum dots: the role of aluminium self-passivation. *Chemical Communications*, **2015**, 51, 8757-60	5.8	37
2	Influence of soil factors on the soil enzyme inhibition by Cd. *Acta Agriculturae Scandinavica - Section B Soil and Plant Science*, **2014**, 64, 666-674	1.1	2
1	Narrow-Band Violet-Light-Emitting Diodes Based on Stable Cesium Lead Chloride Perovskite Nanocrystals. *ACS Energy Letters*,3545-3554	20.1	7