Xi Yuan

List of Publications by Year
in descending order

41 papers	1,872 citations	304743 22 h-index	276875 41 g-index
41 all docs	41 docs citations	41 times ranked	2661 citing authors

#	Article	IF	Citations
1	Photoluminescence Temperature Dependence, Dynamics, and Quantum Efficiencies in Mn²⁺-Doped CsPbCl₃ Perovskite Nanocrystals with Varied Dopant Concentration. Chemistry of Materials, 2017, 29, 8003-8011.	6.7	274
2	Temperature-dependent photoluminescence of inorganic perovskite nanocrystal films. RSC Advances, 2016, 6, 78311-78316.	3.6	182
3	Thermal degradation of luminescence in inorganic perovskite CsPbBr₃nanocrystals. Physical Chemistry Chemical Physics, 2017, 19, 8934-8940.	2.8	147
4	Thermal stability of Mn²⁺ion luminescence in Mn-doped coreâ€“shell quantum dots. Nanoscale, 2014, 6, 300-307.	5.6	105
5	Efficient Photoluminescence of Mn²⁺ Ions in MnS/ZnS Core/Shell Quantum Dots. Journal of Physical Chemistry C, 2009, 113, 16969-16974.	3.1	103
6	Ethyl acetate green antisolvent process for high-performance planar low-temperature SnO2-based perovskite solar cells made in ambient air. Chemical Engineering Journal, 2020, 379, 122298.	12.7	95
7	High color purity ZnSe/ZnS core/shell quantum dot based blue light emitting diodes with an inverted device structure. Applied Physics Letters, 2013, 103, .	3.3	86
8	Dual Emissive Manganese and Copper Co-Doped Znâ€“Inâ€“S Quantum Dots as a Single Color-Converter for High Color Rendering White-Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2015, 7, 8659-8666.	8.0	86
9	Improved Doping and Emission Efficiencies of Mn-Doped CsPbCl₃ Perovskite Nanocrystals via Nickel Chloride. Journal of Physical Chemistry Letters, 2019, 10, 4177-4184.	4.6	79
10	Near-Unity Red Mn²⁺ Photoluminescence Quantum Yield of Doped CsPbCl₃ Nanocrystals with Cd Incorporation. Journal of Physical Chemistry Letters, 2020, 11, 2142-2149.	4.6	77
11	Enhanced luminescence and energy transfer in Mn²⁺ doped CsPbCl_{3â^'x}Br_x perovskite nanocrystals. Nanoscale, 2018, 10, 19435-19442.	5.6	53
12	Efficient white light emitting diodes based on Cu-doped ZnInS/ZnS core/shell quantum dots. Nanotechnology, 2014, 25, 435202.	2.6	49
13	Size- and Composition-Dependent Energy Transfer from Charge Transporting Materials to ZnCuInS Quantum Dots. Journal of Physical Chemistry C, 2012, 116, 11973-11979.	3.1	39
14	Efficient full-color emitting carbon-dot-based composite phosphors by chemical dispersion. Nanoscale, 2020, 12, 15823-15831.	5.6	39
15	Enhancing luminescence of intrinsic and Mn doped CsPbCl3 perovskite nanocrystals through Co2+ doping. Materials Research Bulletin, 2020, 121, 110608.	5.2	32
16	Cu doping-enhanced emission efficiency of Mn2+ in cesium lead halide perovskite nanocrystals for efficient white light-emitting diodes. Journal of Luminescence, 2020, 227, 117586.	3.1	30
17	Efficient inverted quantum-dot light-emitting devices with TiO_2/ZnO bilayer as the electron contact layer. Optics Letters, 2014, 39, 426.	3.3	28
18	Photoluminescence Lifetimes and Thermal Degradation of Mn²⁺-Doped CsPbCl₃ Perovskite Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 23217-23223.	3.1	28

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19	Ultraviolet Light-Induced Degradation of Luminescence in Mn-Doped CsPbCl₃ Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 14849-14857.	3.1	28
20	Thermal and photo stability of all inorganic lead halide perovskite nanocrystals. Physical Chemistry Chemical Physics, 2021, 23, 17113-17128.	2.8	25
21	Improved ultraviolet radiation stability of Mn²⁺-doped CsPbCl₃ nanocrystals via B-site Sn doping. CrystEngComm, 2019, 21, 6238-6245.	2.6	24
22	Shell-Dependent Energy Transfer from 1,3,5-Tris(N-phenylbenzimidazol-2,yl) Benzene to CdSe Core/Shell Quantum Dots. Journal of Physical Chemistry C, 2010, 114, 19256-19262.	3.1	22
23	Temperature-dependent photoluminescence of Mn doped CsPbCl3 perovskite nanocrystals in mesoporous silica. Journal of Luminescence, 2018, 204, 10-15.	3.1	22
24	Enhancing Mn Emission of CsPbCl3 Perovskite Nanocrystals via Incorporation of Rubidium Ions. Materials Research Bulletin, 2021, 133, 111080.	5.2	20
25	Efficient energy transfer from hole transporting materials to CdSe-core CdS/ZnCdS/ZnS-multishell quantum dots in type II aligned blend films. Applied Physics Letters, 2011, 99, 093106.	3.3	19
26	Phosphor geometry regulations with separated red and green quantum dot layers for high performance warm white light-emitting diodes. Materials Research Bulletin, 2017, 85, 222-227.	5.2	18
27	Thermal stability of photoluminescence in Cu-doped Znâ€“Inâ€“S quantum dots for light-emitting diodes. Physical Chemistry Chemical Physics, 2016, 18, 10976-10982.	2.8	17
28	Memories in the photoluminescence intermittency of single cesium lead bromide nanocrystals. Nanoscale, 2020, 12, 6795-6802.	5.6	17
29	Near-unity blue-orange dual-emitting Mn-doped perovskite nanocrystals with metal alloying for efficient white light-emitting diodes. Journal of Colloid and Interface Science, 2021, 603, 864-873.	9.4	17
30	Ultrafast Carrier Dynamics and Hot Electron Extraction in Tetrapod-Shaped CdSe Nanocrystals. ACS Applied Materials & Interfaces, 2015, 7, 7938-7944.	8.0	14
31	Thermally stable luminescence of Mn2+ in Mn doped CsPbCl3 nanocrystals embedded in polydimethylsiloxane films. Journal of Luminescence, 2018, 202, 157-162.	3.1	14
32	Photoinduced Charge Separation and Recombination Processes in CdSe Quantum Dot and Graphene Oxide Composites with Methylene Blue as Linker. Journal of Physical Chemistry Letters, 2013, 4, 2919-2925.	4.6	13
33	Composition-dependent photoluminescence properties of CuInS2/ZnS core/shell quantum dots. Physica B: Condensed Matter, 2016, 491, 46-50.	2.7	12
34	Structural, optical, and magnetic properties of low temperature hydrothermal synthesized (Gd,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	2.4	11
35	Photoluminescence properties of Cuâ€“Mnâ€“Inâ€“S/ZnS core/shell quantum dots. Superlattices and Microstructures, 2014, 73, 214-223.	3.1	9
36	Photoluminescence quenching and electron transfer in CuInS₂/ZnS core/shell quantum dot and FePt nanoparticle blend films. RSC Advances, 2015, 5, 30981-30988.	3.6	9

#	Article	IF	Citations
37	Al-doped ZnS shell as a surface shield for enhancing the stability of Cu:ZnInS/ZnS/ZnS:Al quantum dots and their application in light emitting diodes. Materials Research Bulletin, 2017, 94, 241-246.	5.2	9
38	Near-unity photoluminescence quantum yield Mn-doped two-dimensional halide perovskite platelets via hydrobromic acid-assisted synthesis. Journal of Luminescence, 2022, 245, 118790.	3.1	6
39	A-Site FA⁺ Doping-Enhanced Photoluminescence Efficiency and Photostability of Mn-Doped Perovskite Nanocrystals. Journal of Physical Chemistry C, 2022, 126, 3582-3590.	3.1	6
40	Studies of photoluminescence properties and thermal stability of Cu doped ZnCdS/ZnS quantum dots by various host composition. Journal of Materials Science: Materials in Electronics, 2019, 30, 14136-14142.	2.2	4
41	Boosted luminescence efficiency and stability of Mn-doped perovskite nanoplatelets via incorporating Cd2+ ions. Materials Research Bulletin, 2022, 151, 111825.	5.2	4