

Xi Yuan

List of Publications by Year in descending order

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41
papers

1,872
citations

304743

22
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276875

41
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docs citations

41
times ranked

2661
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-unity photoluminescence quantum yield Mn-doped two-dimensional halide perovskite platelets via hydrobromic acid-assisted synthesis. <i>Journal of Luminescence</i> , 2022, 245, 118790.	3.1	6
2	A-Site FA ⁺ Doping-Enhanced Photoluminescence Efficiency and Photostability of Mn-Doped Perovskite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3582-3590.	3.1	6
3	Boosted luminescence efficiency and stability of Mn-doped perovskite nanoplatelets via incorporating Cd ²⁺ ions. <i>Materials Research Bulletin</i> , 2022, 151, 111825.	5.2	4
4	Enhancing Mn Emission of CsPbCl ₃ Perovskite Nanocrystals via Incorporation of Rubidium Ions. <i>Materials Research Bulletin</i> , 2021, 133, 111080.	5.2	20
5	Near-unity blue-orange dual-emitting Mn-doped perovskite nanocrystals with metal alloying for efficient white light-emitting diodes. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 864-873.	9.4	17
6	Thermal and photo stability of all inorganic lead halide perovskite nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 17113-17128.	2.8	25
7	Ethyl acetate green antisolvent process for high-performance planar low-temperature SnO ₂ -based perovskite solar cells made in ambient air. <i>Chemical Engineering Journal</i> , 2020, 379, 122298.	12.7	95
8	Enhancing luminescence of intrinsic and Mn doped CsPbCl ₃ perovskite nanocrystals through Co ²⁺ doping. <i>Materials Research Bulletin</i> , 2020, 121, 110608.	5.2	32
9	Structural, optical, and magnetic properties of low temperature hydrothermal synthesized (Gd, ⁺) Tj ETQq1 1 0.784314 rgBT /Qoverlock	2.4	11
10	Cu doping-enhanced emission efficiency of Mn ²⁺ in cesium lead halide perovskite nanocrystals for efficient white light-emitting diodes. <i>Journal of Luminescence</i> , 2020, 227, 117586.	3.1	30
11	Memories in the photoluminescence intermittency of single cesium lead bromide nanocrystals. <i>Nanoscale</i> , 2020, 12, 6795-6802.	5.6	17
12	Efficient full-color emitting carbon-dot-based composite phosphors by chemical dispersion. <i>Nanoscale</i> , 2020, 12, 15823-15831.	5.6	39
13	Near-Unity Red Mn ²⁺ Photoluminescence Quantum Yield of Doped CsPbCl ₃ Nanocrystals with Cd Incorporation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2142-2149.	4.6	77
14	Improved Doping and Emission Efficiencies of Mn-Doped CsPbCl ₃ Perovskite Nanocrystals via Nickel Chloride. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4177-4184.	4.6	79
15	Studies of photoluminescence properties and thermal stability of Cu doped ZnCdS/ZnS quantum dots by various host composition. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 14136-14142.	2.2	4
16	Ultraviolet Light-Induced Degradation of Luminescence in Mn-Doped CsPbCl ₃ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14849-14857.	3.1	28
17	Improved ultraviolet radiation stability of Mn ²⁺ -doped CsPbCl ₃ nanocrystals via B-site Sn doping. <i>CrystEngComm</i> , 2019, 21, 6238-6245.	2.6	24
18	Photoluminescence Lifetimes and Thermal Degradation of Mn ²⁺ -Doped CsPbCl ₃ Perovskite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23217-23223.	3.1	28

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19	Enhanced luminescence and energy transfer in Mn ²⁺ doped CsPbCl ₃ Br _x perovskite nanocrystals. <i>Nanoscale</i> , 2018, 10, 19435-19442.	5.6	53
20	Thermally stable luminescence of Mn ²⁺ in Mn doped CsPbCl ₃ nanocrystals embedded in polydimethylsiloxane films. <i>Journal of Luminescence</i> , 2018, 202, 157-162.	3.1	14
21	Temperature-dependent photoluminescence of Mn doped CsPbCl ₃ perovskite nanocrystals in mesoporous silica. <i>Journal of Luminescence</i> , 2018, 204, 10-15.	3.1	22
22	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. <i>Materials Research Bulletin</i> , 2017, 94, 241-246.	5.2	9
23	Thermal degradation of luminescence in inorganic perovskite CsPbBr ₃ nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 8934-8940.	2.8	147
24	Photoluminescence Temperature Dependence, Dynamics, and Quantum Efficiencies in Mn ²⁺ -Doped CsPbCl ₃ Perovskite Nanocrystals with Varied Dopant Concentration. <i>Chemistry of Materials</i> , 2017, 29, 8003-8011.	6.7	274
25	Phosphor geometry regulations with separated red and green quantum dot layers for high performance warm white light-emitting diodes. <i>Materials Research Bulletin</i> , 2017, 85, 222-227.	5.2	18
26	Thermal stability of photoluminescence in Cu-doped ZnInS quantum dots for light-emitting diodes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10976-10982.	2.8	17
27	Temperature-dependent photoluminescence of inorganic perovskite nanocrystal films. <i>RSC Advances</i> , 2016, 6, 78311-78316.	3.6	182
28	Composition-dependent photoluminescence properties of CuInS ₂ /ZnS core/shell quantum dots. <i>Physica B: Condensed Matter</i> , 2016, 491, 46-50.	2.7	12
29	Photoluminescence quenching and electron transfer in CuInS ₂ /ZnS core/shell quantum dot and FePt nanoparticle blend films. <i>RSC Advances</i> , 2015, 5, 30981-30988.	3.6	9
30	Ultrafast Carrier Dynamics and Hot Electron Extraction in Tetrapod-Shaped CdSe Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7938-7944.	8.0	14
31	Dual Emissive Manganese and Copper Co-Doped ZnInS Quantum Dots as a Single Color-Converter for High Color Rendering White-Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8659-8666.	8.0	86
32	Efficient inverted quantum-dot light-emitting devices with TiO ₂ /ZnO bilayer as the electron contact layer. <i>Optics Letters</i> , 2014, 39, 426.	3.3	28
33	Thermal stability of Mn ²⁺ ion luminescence in Mn-doped core-shell quantum dots. <i>Nanoscale</i> , 2014, 6, 300-307.	5.6	105
34	Efficient white light emitting diodes based on Cu-doped ZnInS/ZnS core/shell quantum dots. <i>Nanotechnology</i> , 2014, 25, 435202.	2.6	49
35	Photoluminescence properties of CuMnInS/ZnS core/shell quantum dots. <i>Superlattices and Microstructures</i> , 2014, 73, 214-223.	3.1	9
36	Photoinduced Charge Separation and Recombination Processes in CdSe Quantum Dot and Graphene Oxide Composites with Methylene Blue as Linker. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2919-2925.	4.6	13

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37	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
38	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
39	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
40	Shell-Dependent Energy Transfer from 1,3,5-Tris(<i>N</i> -phenylbenzimidazol-2-yl) Benzene to CdSe Core/Shell Quantum Dots. Journal of Physical Chemistry C, 2010, 114, 19256-19262.	3.1	22
41	Efficient Photoluminescence of Mn ²⁺ Ions in MnS/ZnS Core/Shell Quantum Dots. Journal of Physical Chemistry C, 2009, 113, 16969-16974.	3.1	103