

Longshi Rao

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

632
citations

567247

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830
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#	ARTICLE	IF	CITATIONS
1	Polar-Solvent-Free Synthesis of Highly Photoluminescent and Stable CsPbBr ₃ Nanocrystals with Controlled Shape and Size by Ultrasonication. <i>Chemistry of Materials</i> , 2019, 31, 365-375.	6.7	67
2	Efficient synthesis of highly fluorescent carbon dots by microreactor method and their application in Fe ³⁺ ion detection. <i>Materials Science and Engineering C</i> , 2017, 81, 213-223.	7.3	63
3	Tuning the emission spectrum of highly stable cesium lead halide perovskite nanocrystals through poly(lactic acid)-assisted anion-exchange reactions. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5375-5383.	5.5	62
4	Rapid synthesis of highly photoluminescent nitrogen-doped carbon quantum dots via a microreactor with foamy copper for the detection of Hg ²⁺ ions. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 637-647.	7.8	53
5	Highly Photoluminescent and Stable N-Doped Carbon Dots as Nanoprobes for Hg ²⁺ Detection. <i>Nanomaterials</i> , 2018, 8, 900.	4.1	50
6	Synergistic Surface Passivation of CH ₃ NH ₃ PbBr ₃ Perovskite Quantum Dots with Phosphonic Acid and (3-aminopropyl)triethoxysilane. <i>Chemistry - A European Journal</i> , 2019, 25, 5014-5021.	3.3	43
7	Highly Efficient and Water-Stable Lead Halide Perovskite Quantum Dots Using Superhydrophobic Aerogel Inorganic Matrix for White Light-Emitting Diodes. <i>Advanced Materials Technologies</i> , 2020, 5, 1900941.	5.8	42
8	Ultrasonication-assisted synthesis of CsPbBr ₃ and Cs ₄ PbBr ₆ perovskite nanocrystals and their reversible transformation. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 666-676.	2.8	35
9	Highly reflective nanofiber films based on electrospinning and their application on color uniformity and luminous efficacy improvement of white light-emitting diodes. <i>Optics Express</i> , 2017, 25, 20598.	3.4	33
10	Investigating the transformation of CsPbBr ₃ nanocrystals into highly stable CsPbBr ₃ /Cs ₄ PbBr ₆ nanocrystals using ethyl acetate in a microchannel reactor. <i>Nanotechnology</i> , 2019, 30, 295603.	2.6	32
11	Butterfly-inspired micro-concavity array film for color conversion efficiency improvement of quantum-dot-based light-emitting diodes. <i>Optics Letters</i> , 2017, 42, 4962.	3.3	23
12	Solvent regulation synthesis of single-component white emission carbon quantum dots for white light-emitting diodes. <i>Nanotechnology Reviews</i> , 2021, 10, 465-477.	5.8	23
13	Effect of ZnO nanostructures on the optical properties of white light-emitting diodes. <i>Optics Express</i> , 2017, 25, A432.	3.4	22
14	Investigation of stability and optical performance of quantum-dot-based LEDs with methyl-terminated-PDMS-based liquid-type packaging structure. <i>Optics Letters</i> , 2019, 44, 90.	3.3	16
15	Regulating the Emission Spectrum of CsPbBr ₃ from Green to Blue via Controlling the Temperature and Velocity of Microchannel Reactor. <i>Materials</i> , 2018, 11, 371.	2.9	15
16	Improvement in Luminous Efficacy and Thermal Performance Using Quantum Dots Spherical Shell for White Light Emitting Diodes. <i>Nanomaterials</i> , 2018, 8, 618.	4.1	14
17	Bioinspired high-scattering polymer films fabricated by polymerization-induced phase separation. <i>Optics Letters</i> , 2020, 45, 2918.	3.3	13
18	Synthesis of Highly Photoluminescent All-Inorganic CsPbX ₃ Nanocrystals via Interfacial Anion Exchange Reactions. <i>Nanomaterials</i> , 2019, 9, 1296.	4.1	12

#	ARTICLE	IF	CITATIONS
19	CsPbBr ₃ /Cs ₄ PbBr ₆ heterostructure solids with high stability and photoluminescence for white light-emitting diodes. Journal of Alloys and Compounds, 2022, 919, 165857.	5.5	10
20	Numerical study on the scattering property of porous polymer structures via supercritical CO ₂ microcellular foaming. Applied Optics, 2020, 59, 4533.	1.8	4
21	A Synthetic Method for Extremely Stable Thin Film of CsPbBr ₃ QDs and its Application on Light-emitting Diodes. , 2018, , .		0
22	Room-Temperature Synthesis of Cesium Lead Halide Perovskite Nanorods. , 2018, , .		0