

Ruiqian Guo

List of Publications by Year in descending order

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63
papers

1,601
citations

304743

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38
g-index

65
all docs

65
docs citations

65
times ranked

1435
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum dots-hydrogel composites for biomedical applications. Chinese Chemical Letters, 2022, 33, 1245-1253.	9.0	17
2	Lead oxide enables lead volatilization pollution inhibition and phase purity modulation in perovskite quantum dots embedded borosilicate glass. Journal of the European Ceramic Society, 2022, 42, 258-265.	5.7	31
3	Recent Advances in Blue Perovskite Quantum Dots for Light-Emitting Diodes. Small, 2022, 18, e2103527.	10.0	43
4	Synthesis and structure design of I ^{III} VI quantum dots for white light-emitting diodes. Materials Chemistry Frontiers, 2022, 6, 418-429.	5.9	18
5	Organic Light-Emitting Diodes Array With High-Luminance Stability and Low-Lateral Leakage by Hybridized Plasma Treatments. IEEE Transactions on Electron Devices, 2022, 69, 1107-1114.	3.0	2
6	Simple Structural Descriptor Obtained from Symbolic Classification for Predicting the Oxygen Vacancy Defect Formation of Perovskites. ACS Applied Materials & Interfaces, 2022, 14, 11758-11767.	8.0	9
7	White-Light GaN-LEDs Employing Green/Red Perovskite Quantum Dots as Color Converters for Visible Light Communication. Nanomaterials, 2022, 12, 627.	4.1	7
8	AgInS ₂ /ZnS quantum dots for noninvasive cervical cancer screening with intracellular pH sensing using fluorescence lifetime imaging microscopy. Nano Research, 2022, 15, 5193-5204.	10.4	5
9	Synergistic Effect of Halogen Ions and Shelling Temperature on Anion Exchange Induced Interfacial Restructuring for Highly Efficient Blue Emissive InP/ZnS Quantum Dots. Small, 2022, 18, e2108120.	10.0	23
10	Exploring novel ligands with strong electron delocalization for high-performance blue CsPbBr ₃ perovskite nanoplatelets. Journal of Materials Chemistry C, 2022, 10, 9834-9840.	5.5	12
11	A ratiometric fluorescent probe based on PCN-224 for rapid and ultrasensitive detection of copper ions. Composites Communications, 2022, 33, 101221.	6.3	14
12	Color-converted white light-emitting diodes based on I-III-VI quantum dots: Package strategies and stability promotion. Applied Materials Today, 2022, 29, 101585.	4.3	8
13	A Review of Modification Methods of Solid Electrolytes for All-Solid-State Sodium-Ion Batteries. Energy Technology, 2021, 9, 2000682.	3.8	19
14	Highly luminescent copper gallium selenium based multicomponent quantum dots: Formation process and tunable white-light emission. Applied Surface Science, 2021, 538, 147907.	6.1	21
15	Gadolinium-doped carbon dots with high-performance in dual-modal molecular imaging. Analytical Methods, 2021, 13, 2442-2449.	2.7	20
16	Novel Solid-State Sodium-Ion Battery with Wide Band Gap NaTi ₂ (PO ₄) ₃ Nanocrystal Electrolyte. ACS Omega, 2021, 6, 11537-11544.	3.5	1
17	High-Voltage Cathode Fe ₂ O ₃ Nanoceramics for Rechargeable Sodium-Ion Batteries. ACS Omega, 2021, 6, 12615-12622.	3.5	1
18	Design and Mechanism of a Self-Powered and Disintegration-Reorganization-Regeneration Power Supply with Cold Resistance. Advanced Materials, 2021, 33, e2101239.	21.0	2

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19	Rapid large-scale synthesis of highly emissive solid-state metal halide perovskite quantum dots across the full visible spectrum. <i>Optics and Laser Technology</i> , 2021, 143, 107369.	4.6	13
20	Emission tuning of highly efficient quaternary Ag-Cu-Ga-Se/ZnSe quantum dots for white light-emitting diodes. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 307-315.	9.4	22
21	One-step synthesis of high-quality vanadium disulfide quantum dots for long-term lysosome-targetable imaging. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130544.	7.8	4
22	Highly efficient Mn-doped CsPb(Br/Cl) ₃ mixed-halide perovskite via a simple large-scale synthesis method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 273, 115426.	3.5	12
23	Corrosion resistant solid-state carbon dots@silicalite-1 composite for latent fingerprints detection. <i>Journal of Alloys and Compounds</i> , 2021, 889, 161660.	5.5	8
24	Investigating the Electrochemical Performance of Smart Self-Powered Bionic Skin Fragment Based on Bioelectricity Generation. <i>Advanced Materials Technologies</i> , 2021, 6, 2000848.	5.8	5
25	Thioacetamide-ligand-mediated synthesis of CsPbBr ₃ CsPbBr ₃ homostructured nanocrystals with enhanced stability. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11349-11357.	5.5	31
26	Role of organic cation orientation in formamidine based perovskite materials. <i>Scientific Reports</i> , 2021, 11, 20433.	3.3	11
27	Cation Crosslinking-Induced Stable Copper Nanoclusters Powder as Latent Fingerprints Marker. <i>Nanomaterials</i> , 2021, 11, 3371.	4.1	1
28	Dual-emission of silicon nanoparticles encapsulated lanthanide-based metal-organic frameworks for ratiometric fluorescence detection of bacterial spores. <i>Mikrochimica Acta</i> , 2020, 187, 666.	5.0	25
29	Optical and Morphological Properties of Single-Phased and Dual-Emissive InP/ZnS Quantum Dots via Transition Metallic and Inorganic Ions. <i>Langmuir</i> , 2020, 36, 10244-10250.	3.5	15
30	Effective Approaches of Improving the Performance of Chalcogenide Solid Electrolytes for All-Solid-State Sodium-Ion Batteries. <i>Frontiers in Energy Research</i> , 2020, 8, .	2.3	16
31	49.25% efficient cyan emissive sulfur dots <i>via</i> a microwave-assisted route. <i>RSC Advances</i> , 2020, 10, 17266-17269.	3.6	32
32	An effective optics-electrochemistry approach to random packing density of non-equiaxed ellipsoids. <i>Materialia</i> , 2020, 12, 100750.	2.7	1
33	Highly luminescent water-soluble AgInS ₂ /ZnS quantum dots-hydrogel composites for warm white LEDs. <i>Journal of Alloys and Compounds</i> , 2020, 824, 153896.	5.5	52
34	Component regulation and crystallization mechanism of CsPbBr ₃ /Cs ₄ PbBr ₆ perovskite composite quantum dots-embedded borosilicate glass for light emitting application. <i>Applied Surface Science</i> , 2020, 512, 145655.	6.1	65
35	Narrow band-gap cathode Fe ₃ (PO ₄) ₂ for sodium-ion battery with enhanced sodium storage. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 591, 124561.	4.7	22
36	Quantum Dots. , 2020, , 1-4.		0

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37	Surface States Induced Photoluminescence Enhancement of Nitrogen-Doped Carbon Dots Via Post-Treatments. <i>Nanoscale Research Letters</i> , 2019, 14, 172.	5.7	40
38	Ultraviolet-pumped white light emissive carbon dot based phosphors for light-emitting devices and visible light communication. <i>Nanoscale</i> , 2019, 11, 3489-3494.	5.6	61
39	Enhanced tunable dual emission of Cu:InP/ZnS quantum dots enabled by introducing Ag ions. <i>Applied Surface Science</i> , 2019, 493, 605-612.	6.1	20
40	Facile Synthesis and Optical Properties of CsPbX ₃ /ZIF-8 Composites for Wide-Color-Gamut Display. <i>Nanomaterials</i> , 2019, 9, 832.	4.1	38
41	Color-tunable optical properties of cadmium-free transition metal ions doped InP/ZnS quantum dots. <i>Journal of Luminescence</i> , 2019, 212, 264-270.	3.1	29
42	Highly Emissive Carbon Dots in Solid State and Their Applications in Light-Emitting Devices and Visible Light Communication. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9301-9308.	6.7	81
43	A fluorescent probe for Cd ²⁺ detection based on the aggregation-induced emission enhancement of aqueous Zn ²⁺ -Ag ⁺ -In ³⁺ S quantum dots. <i>Analytical Methods</i> , 2019, 11, 2559-2564.	2.7	23
44	Amphipathic carbon dots with solvent-dependent optical properties and sensing application. <i>Optical Materials</i> , 2019, 89, 224-230.	3.6	52
45	High-Bandwidth White-Light System Combining a Micro-LED with Perovskite Quantum Dots for Visible Light Communication. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5641-5648.	8.0	194
46	Super-high color rendering properties of color temperature tunable white LEDs based on high quality InP/ZnS quantum dots via myristic acid passivation and Ag doping. <i>Optics Communications</i> , 2018, 418, 46-50.	2.1	9
47	Dual-Emissive and Color-Tunable Mn-Doped InP/ZnS Quantum Dots via a Growth-Doping Method. <i>Nanoscale Research Letters</i> , 2018, 13, 170.	5.7	23
48	Tunable emission of cadmium-free transition metal (Cu, Mn, Ag) co-doped ZnInS/ZnS core-shell quantum dots. <i>Transactions of Nonferrous Metals Society of China</i> , 2018, 28, 1611-1617.	4.2	7
49	A facile route for highly efficient color-tunable Cu-Ga-Se/ZnSe quantum dots. <i>Applied Surface Science</i> , 2018, 456, 876-881.	6.1	33
50	Microwave-Assisted Heating Method toward Multicolor Quantum Dot-Based Phosphors with Much Improved Luminescence. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27160-27170.	8.0	21
51	Hydrogen Peroxide-Treated Carbon Dot Phosphor with a Bathochromic-Shifted, Aggregation-Enhanced Emission for Light-Emitting Devices and Visible Light Communication. <i>Advanced Science</i> , 2018, 5, 1800369.	11.2	119
52	Tunable emission of Cu (Mn)-doped ZnInS quantum dots via dopant interaction. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 27-35.	9.4	33
53	Controllable synthesis of dual emissive Ag:InP/ZnS quantum dots with high fluorescence quantum yield. <i>Applied Surface Science</i> , 2017, 423, 686-694.	6.1	27
54	Tunable emission and morphology control of the Cu-In-S/ZnS quantum dots with dual stabilizer via microwave-assisted aqueous synthesis. <i>Journal of Alloys and Compounds</i> , 2017, 729, 1-8.	5.5	29

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55	Spectral optimization of color temperature tunable white LEDs based on perovskite quantum dots for ultrahigh color rendition. <i>Optical Materials Express</i> , 2017, 7, 3065.	3.0	31
56	Photometric Optimization of Color Temperature Tunable Quantum Dots Converted White LEDs for Excellent Color Rendition. <i>IEEE Photonics Journal</i> , 2016, 8, 1-11.	2.0	9
57	Two-step synthesis of highly emissive C/ZnO hybridized quantum dots with a broad visible photoluminescence. <i>Applied Surface Science</i> , 2016, 364, 710-717.	6.1	22
58	Microwave-assisted aqueous synthesis of transition metal ions doped ZnSe/ZnS core/shell quantum dots with tunable white-light emission. <i>Applied Surface Science</i> , 2015, 351, 655-661.	6.1	40
59	Aligned growth of ZnO nanowires by NAPLD and their optical characterizations. <i>Applied Surface Science</i> , 2009, 255, 9671-9675.	6.1	28
60	Substrate effects on ZnO nanostructure growth via nanoparticle-assisted pulsed-laser deposition. <i>Applied Surface Science</i> , 2008, 254, 3100-3104.	6.1	19
61	Density-Controlled Growth of ZnO Nanowires Via Nanoparticle-Assisted Pulsed-Laser Deposition and Their Optical Properties. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 741.	1.5	25
62	Aligned growth of ZnO nanowires by laser ablation and their applications. , 2008, , .		0
63	Synthesis of ZnO Nanowires by Nanoparticle-Assisted Pulsed-Laser Deposition and Optical Characteristics of Single ZnO Nanowire. <i>The Review of Laser Engineering</i> , 2008, 36, 499-504.	0.0	0