

Rui Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

808
citations

567281

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h-index

526287

27
g-index

27
all docs

27
docs citations

27
times ranked

830
citing authors

#	ARTICLE	IF	CITATIONS
1	Green Synthesis of Carbon Dots toward Anti-Counterfeiting. ACS Sustainable Chemistry and Engineering, 2020, 8, 1566-1572.	6.7	114
2	Hydrophobic Poly(<i>tert</i> -butyl acrylate) Photonic Crystals towards Robust Energy-Saving Performance. Angewandte Chemie - International Edition, 2019, 58, 13556-13564.	13.8	110
3	Rapid and Large-Scale Production of Multi-Fluorescence Carbon Dots by a Magnetic Hyperthermia Method. Angewandte Chemie - International Edition, 2020, 59, 3099-3105.	13.8	97
4	Facile synthesis of red dual-emissive carbon dots for ratiometric fluorescence sensing and cellular imaging. Nanoscale, 2020, 12, 5494-5500.	5.6	68
5	One-Step Synthesis of FA-Directing FAPbBr ₃ Perovskite Nanocrystals toward High-Performance Display. ACS Applied Materials & Interfaces, 2018, 10, 31603-31609.	8.0	54
6	Recognition of Latent Fingerprints and Ink-Free Printing Derived from Interfacial Segregation of Carbon Dots. ACS Applied Materials & Interfaces, 2018, 10, 39205-39213.	8.0	51
7	Facile Access to Wearable Device via Microfluidic Spinning of Robust and Aligned Fluorescent Microfibers. ACS Applied Materials & Interfaces, 2018, 10, 30785-30793.	8.0	35
8	Fabrication of amphiphilic quantum dots towards high-colour-quality light-emitting devices. Journal of Materials Chemistry C, 2019, 7, 4244-4249.	5.5	23
9	Fibrous Nanoreactors from Microfluidic Blow Spinning for Mass Production of Highly Stable Ligand-Free Perovskite Quantum Dots. Angewandte Chemie - International Edition, 2022, 61, .	13.8	21
10	Synthesis of quantum dots based on microfluidic technology. Current Opinion in Chemical Engineering, 2020, 29, 34-41.	7.8	19
11	Red dual-emissive carbon dots for ratiometric sensing of veterinary drugs. Journal of Luminescence, 2021, 236, 118092.	3.1	19
12	A facile synthesis of self-healing hydrogels toward flexible quantum dot-based luminescent solar concentrators and white LEDs. Journal of Materials Chemistry C, 2019, 7, 10988-10995.	5.5	18
13	Facile synthesis, high fluorescence and flame retardancy of carbon dots. Journal of Materials Science and Technology, 2022, 104, 163-171.	10.7	18
14	Host-guest supramolecular assembly directing beta-cyclodextrin based nanocrystals towards their robust performances. Journal of Hazardous Materials, 2019, 361, 329-337.	12.4	17
15	Robust Nanofiber Films Prepared by Electro-Microfluidic Spinning for Flexible Highly Stable Quantum-Dot Displays. Advanced Electronic Materials, 2021, 7, 2000626.	5.1	16
16	Robust hydrophobic veova10-based colloidal photonic crystals towards fluorescence enhancement of quantum dots. Nanoscale, 2020, 12, 19953-19962.	5.6	15
17	One-Step Facile Synthesis of Fluorescent Carbon Dots via Magnetic Hyperthermia Method. Industrial & Engineering Chemistry Research, 2020, 59, 4968-4976.	3.7	15
18	Carbon dots embedded nanofiber films: Large-scale fabrication and enhanced mechanical properties. Chinese Chemical Letters, 2022, 33, 304-307.	9.0	15

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19	Hydrophobic Poly(tert -butyl acrylate) Photonic Crystals towards Robust Energy-Saving Performance. <i>Angewandte Chemie</i> , 2019, 131, 13690-13698.	2.0	14
20	Microfluidic synthesis of robust carbon dots-functionalized photonic crystals. <i>Chemical Engineering Journal</i> , 2021, 405, 126539.	12.7	13
21	Rapid and Large-Scale Production of Multi-Fluorescence Carbon Dots by a Magnetic Hyperthermia Method. <i>Angewandte Chemie</i> , 2020, 132, 3123-3129.	2.0	11
22	Magnetothermal microfluidic-directed synthesis of quantum dots. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6358-6363.	5.5	10
23	Preparation of heterostructure quantum dots towards wide-colour-gamut display. <i>Materials Letters</i> , 2019, 254, 171-174.	2.6	9
24	Mild bottom-up synthesis of carbon dots with temperature-dependent fluorescence. <i>Journal of Luminescence</i> , 2021, 238, 118311.	3.1	9
25	In-situ synthesis of stable perovskite quantum dots in core-shell nanofibers via microfluidic electrospinning. <i>Chinese Chemical Letters</i> , 2023, 34, 107384.	9.0	8
26	Fibrous Nanoreactors from Microfluidic Blow Spinning for Mass Production of Highly Stable Ligand-Free Perovskite Quantum Dots. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	5
27	Microfluidic-assisted assembly of fluorescent self-healing gel particles toward dual-signal sensors. <i>Journal of Materials Science</i> , 2021, 56, 14832-14843.	3.7	4