# Bingfu Lei

List of Publications by Year
in descending order

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| 236 | 11,601 | 23544 58 | 39638 94 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 239 | 239 | 239 | 9051 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A highly efficient and suitable spectral profile Cr3+-doped garnet near-infrared emitting phosphor for regulating photomorphogenesis of plants. Chemical Engineering Journal, 2022, 428, 132003. | 6.6 | 118 |
| 2 | Architecting ultra-bright silanized carbon dots by alleviating the spin-orbit coupling effect: a specific fluorescent nanoprobe to label dead cells. Chemical Engineering Journal, 2022, 428, 131168. | 6.6 | 32 |
| 3 | Energy Transfer Mediated Enhancement of Roomâ€Temperature Phosphorescence of Carbon Dots Embedded in Matrixes. Advanced Optical Materials, 2022, 10, . | 3.6 | 38 |
| 4 | Large-Scale Preparation of Peanut-Bran-Derived Carbon Dots and Their Promoting Effect on Italian Lettuce. ACS Agricultural Science and Technology, 2022, 2, 215-221. | 1.0 | 9 |
| 5 | Laser speckle reduction via TiO<sub>2</sub>â€sapphire composite rotating wheel in laser projection. Journal of the American Ceramic Society, 2022, 105, 4512-4520. | 1.9 | 1 |
| 6 | Calcium-Mobilizing Properties of Salvia miltiorrhiza-Derived Carbon Dots Confer Enhanced Environmental Adaptability in Plants. ACS Nano, 2022, 16, 4357-4370. | 7.3 | 35 |
| 7 | Immunoregulatory Activity of Herbal Tea-Derived Carbon Dots. ACS Applied Bio Materials, 2022, 5, 1604-1609. | 2.3 | 11 |
| 8 | Cascade Resonance Energy Transfer for the Construction of Nanoparticles with Multicolor Long Afterglow in Aqueous Solutions for Information Encryption and Bioimaging. Advanced Optical Materials, 2022, 10, . | 3.6 | 43 |
| 9 | Transcriptomics Integrated with Metabolomics Reveals 2-Methoxy-1, 4-Naphthoquinone-Based Carbon Dots Induced Molecular Shifts in Penicillium italicum. Journal of Fungi (Basel, Switzerland), 2022, 8, 420. | 1.5 | 3 |
| 10 | Modulating the local structure of glass to promote in situ precipitation of perovskite CsPbBr<sub>3</sub> quantum dots by introducing a network modifier. Journal of Materials Chemistry C, 2022, 10, 8634-8641. | 2.7 | 7 |
| 11 | A rapid construction strategy of NaYF<sub>4</sub>:Yb,Er@CDs nanocomposites for dual-mode anti-counterfeiting. Materials Advances, 2022, 3, 4542-4547. | 2.6 | 6 |
| 12 | å†…åµŒç¢³ç‚¹çš„æ—©æœŸå‘çŽ°ã€åˆ†ç¦»ä¸Žå…‰è°±æ€§è´¨. Science China Materials, 2022, 65, 2802-2808. | 8.1 | |
| 13 | The role of fluorescent carbon dots in crops: Mechanism and applications. SmartMat, 2022, 3, 208-225. | 6.4 | 21 |
| 14 | Carbon Dots in Hydroxy Fluorides: Achieving Multicolor Long-Wavelength Room-Temperature Phosphorescence and Excellent Stability via Crystal Confinement. Nano Letters, 2022, 22, 5127-5136. | 4.5 | 46 |
| 15 | In Situ Growth of High-Quality CsPbBr<sub>3</sub> Quantum Dots with Unusual Morphology inside a Transparent Glass with a Heterogeneous Crystallization Environment for Wide Gamut Displays. ACS Applied Materials & Interfaces, 2022, 14, 30029-30038. | 4.0 | 17 |
| 16 | Fluorescent Nanoparticles for Super-Resolution Imaging. Chemical Reviews, 2022, 122, 12495-12543. | 23.0 | 82 |
| 17 | Ultraâ€Wide Visâ€“NIR Mg<sub>2</sub>Al<sub>4</sub>Si<sub>5</sub>O<sub>18</sub>:Eu<sup>2+</sup>,Cr<sup>3+</sup> Phosphor Containing Unusual NIR Luminescence Induced by Cr<sup>3+</sup> Occupying Tetrahedral Coordination for Hyperspectral Imaging. Advanced Optical Materials, 2022, 10, . | 3.6 | 24 |
| 18 | Synthesis of Carbon Dots with Carbogenic Ï€-Conjugated Domains for Full-Band UV Shielding. ACS Applied Nano Materials, 2022, 5, 9140-9149. | 2.4 | 10 |

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|---|---|---|---|
| 19 | Calcium-chloride-assisted approach towards green and sustainable synthesis of hierarchical porous carbon microspheres for high-performance supercapacitive energy storage. Journal of Colloid and Interface Science, 2021, 582, 159-166. | 5.0 | 22 |
| 20 | Carbon dots as light converter for plant photosynthesis: Augmenting light coverage and quantum yield effect. Journal of Hazardous Materials, 2021, 410, 124534. | 6.5 | 69 |
| 21 | Salvia Miltiorrhiza-Derived Carbon Dots as Scavengers of Reactive Oxygen Species for Reducing Oxidative Damage of Plants. ACS Applied Nano Materials, 2021, 4, 113-120. | 2.4 | 44 |
| 22 | Red, orange, yellow and green luminescence by carbon dots: hydrogen-bond-induced solvation effects. Nanoscale, 2021, 13, 6846-6855. | 2.8 | 49 |
| 23 | Dose-Dependent Effect of ZnO Quantum Dots for Lettuce Growth. ACS Omega, 2021, 6, 10141-10149. | 1.6 | 19 |
| 24 | Red, green and blue aggregationâ€induced emissive carbon dots. Chinese Chemical Letters, 2021, 32, 3927-3930. | 4.8 | 41 |
| 25 | Spectral Red Shift of Cs<sub>4</sub>Mn(Bi<sub>1â€“x</sub>In<sub>x</sub>)<sub>2</sub>Cl<sub>12</sub> Layered Double Perovskite by Adjusting the Microstructure of the [MnCl<sub>6</sub>]<sup>4â€“</sup> Octahedron. Journal of Physical Chemistry C, 2021, 125, 16938-16945. | 1.5 | 13 |
| 26 | Multiemissive Room-Temperature Phosphorescent Carbon Dots@ZnAl<sub>2</sub>O<sub>4</sub> Composites by Inorganic Defect Triplet-State Energy Transfer. ACS Applied Materials & Interfaces, 2021, 13, 34705-34713. | 4.0 | 34 |
| 27 | Nitrogen and Sulfur Co-doped Carbon Dots Enhance Drought Resistance in Tomato and Mung Beans. ACS Applied Bio Materials, 2021, 4, 6093-6102. | 2.3 | 11 |
| 28 | Uptake, translocation and toxicity of fluorescent carbon dots in oyster mushroom (Pleurotus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 | 1.5 | 9 |
| 29 | TiO<sub>2</sub>/Chlorophyll S-Scheme Composite Photocatalyst with Improved Photocatalytic Bactericidal Performance. ACS Applied Materials & Interfaces, 2021, 13, 39446-39457. | 4.0 | 36 |
| 30 | Antibacterial Activity and Synergetic Mechanism of Carbon Dots against Gram-Positive and -Negative Bacteria. ACS Applied Bio Materials, 2021, 4, 6937-6945. | 2.3 | 51 |
| 31 | Nearâ€Infraredâ€Excited Multicolor Afterglow in Carbon Dotsâ€Based Roomâ€Temperature Afterglow Materials. Angewandte Chemie, 2021, 133, 22427-22433. | 1.6 | 8 |
| 32 | Nearâ€Infraredâ€Excited Multicolor Afterglow in Carbon Dotsâ€Based Roomâ€Temperature Afterglow Materials. Angewandte Chemie - International Edition, 2021, 60, 22253-22259. | 7.2 | 73 |
| 33 | Magnesium-nitrogen co-doped carbon dots enhance plant growth through multifunctional regulation in photosynthesis. Chemical Engineering Journal, 2021, 422, 130114. | 6.6 | 54 |
| 34 | Visible-light excitable thermally activated delayed fluorescence in aqueous solution from F, N-doped carbon dots confined in silica nanoparticles. Chemical Engineering Journal, 2021, 426, 130728. | 6.6 | 55 |
| 35 | Oxidation-induced quenching mechanism of ultrabright red carbon dots and application in antioxidant RCDs/PVA film. Chemical Engineering Journal, 2021, 425, 131653. | 6.6 | 36 |
| 36 | Regulation Mechanisms of Carbon Dots in the Development of Lettuce and Tomato. ACS Sustainable Chemistry and Engineering, 2021, 9, 944-953. | 3.2 | 42 |

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|---|---|---|---|
| 37 | Hemicellulose-triggered high-yield synthesis of carbon dots from biomass. New Journal of Chemistry, 2021, 45, 5484-5490. | 1.4 | 13 |
| 38 | Construction of Carbon Dots with Colorâ€Tunable Aggregationâ€Induced Emission by Nitrogenâ€Induced Intramolecular Charge Transfer. Advanced Materials, 2021, 33, e2104872. | 11.1 | 112 |
| 39 | Salvia miltiorrhiza Derived Carbon Dots and Their Heat Stress Tolerance of Italian Lettuce by Promoting Growth and Enhancing Antioxidant Enzyme Activity. ACS Omega, 2021, 6, 32262-32269. | 1.6 | 10 |
| 40 | Facile synthesis of the desired red phosphor Li<sub>2</sub>Ca<sub>2</sub>Mg<sub>2</sub>Si<sub>2</sub>N<sub>6</sub>:Eu<sup>2+</sup> for high CRI white LEDs and plant growth LED device. Journal of the American Ceramic Society, 2020, 103, 1773-1781. | 1.9 | 33 |
| 41 | Synthesis of SBA-15Âassembled with silicon nanoparticles with different morphologies for oxygen sensing. Microporous and Mesoporous Materials, 2020, 296, 110001. | 2.2 | 12 |
| 42 | A review on the effects of carbon dots in plant systems. Materials Chemistry Frontiers, 2020, 4, 437-448. | 3.2 | 139 |
| 43 | Amplified light harvesting for enhancing Italian lettuce photosynthesis using water soluble silicon quantum dots as artificial antennas. Nanoscale, 2020, 12, 155-166. | 2.8 | 35 |
| 44 | Enhancement of Fluorescence Emission for Tricolor Quantum Dots Assembled in Polysiloxane toward Solar Spectrumâ€Simulated White Lightâ€Emitting Devices. Small, 2020, 16, e1905266. | 5.2 | 16 |
| 45 | Surface functional carbon dots: chemical engineering applications beyond optical properties. Journal of Materials Chemistry C, 2020, 8, 16282-16294. | 2.7 | 36 |
| 46 | Anchoring Carbon Nanodots onto Nanosilica for Phosphorescence Enhancement and Delayed Fluorescence Nascence in Solid and Liquid States. Small, 2020, 16, e2005228. | 5.2 | 61 |
| 47 | Ratio fluorescent hybrid probe for visualized fluorescence detection of H2O2 in vitro and in vivo. Sensors and Actuators B: Chemical, 2020, 321, 128643. | 4.0 | 39 |
| 48 | pH-Responsive carbon dots with red emission for real-time and visual detection of amines. Journal of Materials Chemistry C, 2020, 8, 11563-11571. | 2.7 | 72 |
| 49 | Regulating the morphology and luminescence properties of CsPbBr<sub>3</sub> perovskite quantum dots through the rigidity of glass network structure. Journal of Materials Chemistry C, 2020, 8, 17374-17382. | 2.7 | 41 |
| 50 | Self-formed C-dot-based 2D polysiloxane with high photoluminescence quantum yield and stability. Nanoscale, 2020, 12, 10771-10780. | 2.8 | 6 |
| 51 | Facile fabrication of a CD/PVA composite polymer to access light-responsive shape-memory effects. Journal of Materials Chemistry C, 2020, 8, 8935-8941. | 2.7 | 22 |
| 52 | Two-site Cr<sup>3+</sup> occupation in the MgTa<sub>2</sub>O<sub>6</sub>:Cr<sup>3+</sup> phosphor toward broad-band near-infrared emission for vessel visualization. Journal of Materials Chemistry C, 2020, 8, 9322-9328. | 2.7 | 147 |
| 53 | Promoted off-on recognition of H2O2 based on the fluorescence of silicon quantum dots assembled two-dimensional PEG-MnO2 nanosheets hybrid nanoprobe. Mikrochimica Acta, 2020, 187, 347. | 2.5 | 15 |
| 54 | Promoting the Growth of Mung Bean Plants through Uptake and Light Conversion of NaYF<sub>4</sub>:Yb,Er@CDs Nanocomposites. ACS Sustainable Chemistry and Engineering, 2020, 8, 9751-9762. | 3.2 | 40 |

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|---|---|---|---|
| 55 | Unusual concentration induced antithermal quenching of the Eu 2+ emission at 490 nm in Sr 4 Al 14 O 25 :Eu 2+ for near ultraviolet excited white LEDs. Journal of the American Ceramic Society, 2020, 103, 5758-5768. | 1.9 | 10 |
| 56 | F enhanced luminescence performance of SrLu2O4:Ce3+ glass ceramic for superior high-power artificial horticultural LEDs. Ceramics International, 2020, 46, 21560-21568. | 2.3 | 19 |
| 57 | Temperature-responsive conversion of thermally activated delayed fluorescence and room-temperature phosphorescence of carbon dots in silica. Journal of Materials Chemistry C, 2020, 8, 5744-5751. | 2.7 | 86 |
| 58 | Room temperature long afterglow from boron oxide: A boric acid calcined product. Materials Letters, 2020, 276, 128226. | 1.3 | 11 |
| 59 | Carbon Dots as a Protective Agent Alleviating Abiotic Stress on Rice (Oryza sativa L.) through Promoting Nutrition Assimilation and the Defense System. ACS Applied Materials & Interfaces, 2020, 12, 33575-33585. | 4.0 | 56 |
| 60 | Glass-ceramics with thermally stable blue-red emission for high-power horticultural LED applications. Journal of Materials Chemistry C, 2020, 8, 3996-4002. | 2.7 | 19 |
| 61 | Characterization and properties of a Sr2Si5N8:Eu2+-based light-conversion agricultural film. Journal of Rare Earths, 2020, 38, 539-545. | 2.5 | 41 |
| 62 | PVA-Coated Fluorescent Carbon Dot Nanocapsules as an Optical Amplifier for Enhanced Photosynthesis of Lettuce. ACS Sustainable Chemistry and Engineering, 2020, 8, 3938-3949. | 3.2 | 41 |
| 63 | Enhanced Photogenerated Electron Transfer in a Semiartificial Photosynthesis System Based on Highly Dispersed Titanium Oxide Nanoparticles. Journal of Physical Chemistry Letters, 2020, 11, 1822-1827. | 2.1 | 24 |
| 64 | The room temperature afterglow mechanism in carbon dots: Current state and further guidance perspective. Carbon, 2020, 165, 306-316. | 5.4 | 89 |
| 65 | Far-Red Carbon Dots as Efficient Light-Harvesting Agents for Enhanced Photosynthesis. ACS Applied Materials & Interfaces, 2020, 12, 21009-21019. | 4.0 | 102 |
| 66 | Selfâ€Quenchingâ€Resistant Red Emissive Carbon Dots with High Stability for Warm White Lightâ€Emitting Diodes with a High Color Rendering Index. Advanced Optical Materials, 2020, 8, 2000251. | 3.6 | 56 |
| 67 | Room temperature phosphorescence from Si-doped-CD-based composite materials with long lifetimes and high stability. Optics Express, 2020, 28, 19550. | 1.7 | 9 |
| 68 | Synthesis of high-efficient red carbon dots for pH detection. Journal of Luminescence, 2019, 215, 116640. | 1.5 | 16 |
| 69 | Synthesis of dual-emissive carbon dots with a unique solvatochromism phenomenon. Journal of Colloid and Interface Science, 2019, 555, 607-614. | 5.0 | 66 |
| 70 | Precipitating CsPbBr<sub>3</sub> quantum dots in boro-germanate glass with a dense structure and inert environment toward highly stable and efficient narrow-band green emitters for wide-color-gamut liquid crystal displays. Journal of Materials Chemistry C, 2019, 7, 13139-13148. | 2.7 | 68 |
| 71 | Precipitating tunable-emission CsPb(Cl/Br)<sub>3</sub> QDs in boro-germanate glass for wide-color-gamut liquid crystal displays. Journal of Information Display, 2019, 20, 193-200. | 2.1 | 10 |
| 72 | Biomimetic preparation of silicon quantum dots and their phytophysiology effect on cucumber seedlings. Journal of Materials Chemistry B, 2019, 7, 1107-1115. | 2.9 | 40 |

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| 73 | Improving the luminous efficacy and resistance to blue laser irradiation of phosphor-in-glass based solid state laser lighting through employing dual-functional sapphire plate. Journal of Materials Chemistry C, 2019, 7, 354-361. | 2.7 | 70 |
| 74 | Synthesis of Silicon Quantum Dots with Highly Efficient Full-Band UV Absorption and Their Applications in Antiyellowing and Resistance of Photodegradation. ACS Applied Materials & Interfaces, 2019, 11, 6634-6643. | 4.0 | 45 |
| 75 | Recent developments in luminescent nanoparticles for plant imaging and photosynthesis. Journal of Rare Earths, 2019, 37, 903-915. | 2.5 | 44 |
| 76 | Construction of NaYF<sub>4</sub>:Yb,Er(Tm)@CDs composites for enhancing red and NIR upconversion emission. Journal of Materials Chemistry C, 2019, 7, 6231-6235. | 2.7 | 32 |
| 77 | Hydrophobic carbon dots with blue dispersed emission and red aggregation-induced emission. Nature Communications, 2019, 10, 1789. | 5.8 | 419 |
| 78 | Solid-state silicon nanoparticles with color-tunable photoluminescence and multifunctional applications. Journal of Materials Chemistry C, 2019, 7, 5962-5969. | 2.7 | 15 |
| 79 | A Universal Strategy for Activating the Multicolor Roomâ€Temperature Afterglow of Carbon Dots in a Boric Acid Matrix. Angewandte Chemie, 2019, 131, 7356-7361. | 1.6 | 62 |
| 80 | A Universal Strategy for Activating the Multicolor Roomâ€Temperature Afterglow of Carbon Dots in a Boric Acid Matrix. Angewandte Chemie - International Edition, 2019, 58, 7278-7283. | 7.2 | 266 |
| 81 | Enhanced absorption of Sr3Lu2(BO3)4:Ce3+,Tb3+ phosphor with energy transfer for UV-pumped white LEDs. Journal of Alloys and Compounds, 2019, 789, 215-220. | 2.8 | 6 |
| 82 | Improving moisture stability of SrLiAl3N4:Eu2+ through phosphor-in-glass approach to realize its application in plant growing LED device. Journal of Colloid and Interface Science, 2019, 545, 195-199. | 5.0 | 24 |
| 83 | Construction of NaYF4:Eu@carbon dots nanocomposites for multifunctional applications. Journal of Colloid and Interface Science, 2019, 543, 156-163. | 5.0 | 12 |
| 84 | Highly efficient and dual broad emitting light convertor: an option for next-generation plant growth LEDs. Journal of Materials Chemistry C, 2019, 7, 3617-3622. | 2.7 | 35 |
| 85 | Carbon Dot-Silica Nanoparticle Composites for Ultralong Lifetime Phosphorescence Imaging in Tissue and Cells at Room Temperature. Chemistry of Materials, 2019, 31, 9887-9894. | 3.2 | 137 |
| 86 | Assembly of shell/core CDs@CaF<sub>2</sub> nanocomposites to endow polymers with multifunctional properties. Nanotechnology, 2019, 30, 155601. | 1.3 | 7 |
| 87 | Preparation and oxygen sensing properties of water-soluble silicon nanoparticles assembled SBA-15. Materials Research Bulletin, 2019, 111, 1-6. | 2.7 | 6 |
| 88 | Effect of supplemental blue light intensity on the growth and quality of Chinese kale. Horticulture Environment and Biotechnology, 2019, 60, 49-57. | 0.7 | 19 |
| 89 | Synthesis of modified carbon dots with performance of ultraviolet absorption used in sunscreen. Optics Express, 2019, 27, 7629. | 1.7 | 27 |
| 90 | Double carbon dot assembled mesoporous aluminas: solid-state dual-emission photoluminescence and multifunctional applications. Journal of Materials Chemistry C, 2018, 6, 2495-2501. | 2.7 | 46 |

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|---|---|---|---|
| 91 | Phase-controlled synthesis of molybdenum oxide nanoparticles for surface enhanced Raman scattering and photothermal therapy. Nanoscale, 2018, 10, 5997-6004. | 2.8 | 85 |
| 92 | Enhanced luminescence performance of CaO:Ce<sup>3+</sup>,Li<sup>+</sup>,F<sup>â^'</sup> phosphor and its phosphor-in-glass based high-power warm LED properties. Journal of Materials Chemistry C, 2018, 6, 4077-4086. | 2.7 | 24 |
| 93 | Construction and multifunctional applications of carbon dots/PVA nanofibers with phosphorescence and thermally activated delayed fluorescence. Chemical Engineering Journal, 2018, 347, 505-513. | 6.6 | 84 |
| 94 | Ratiometric and selective fluorescent sensor for Fe(III) and bovine serum albumin based on energy transfer. Sensors and Actuators B: Chemical, 2018, 262, 228-235. | 4.0 | 20 |
| 95 | Largeâ€Scale Oneâ€Step Synthesis of Carbon Dots from Yeast Extract Powder and Construction of Carbon Dots/PVA Fluorescent Shape Memory Material. Advanced Optical Materials, 2018, 6, 1701150. | 3.6 | 76 |
| 96 | Ultrastable red-emitting phosphor-in-glass for superior high-power artificial plant growth LEDs. Journal of Materials Chemistry C, 2018, 6, 1738-1745. | 2.7 | 95 |
| 97 | Tunable emission from green to red in the GdSr<sub>2</sub>AlO<sub>5</sub>:Tb<sup>3+</sup>,Eu<sup>3+</sup>phosphorviaefficient energy transfer. RSC Advances, 2018, 8, 3530-3535. | 1.7 | 38 |
| 98 | Energy transfer and tunable emission of Ca14Al10Zn6O35:Bi3+,Sm3+ phosphor. Materials Research Bulletin, 2018, 100, 56-61. | 2.7 | 28 |
| 99 | Co-substitution in Ca<sub>1â^'x</sub>Y<sub>x</sub>Al<sub>12â^'x</sub>Mg<sub>x</sub>O<sub>19</sub>phosphors: local structure evolution, photoluminescence tuning and application for plant growth LEDs. Journal of Materials Chemistry C, 2018, 6, 4217-4224. | 2.7 | 83 |
| 100 | Luminescence properties of Eu2+-activated NaCaBeSi2O6F for white light-emitting diode applications. Materials Research Bulletin, 2018, 100, 26-31. | 2.7 | 10 |
| 101 | From biomass wastes to vertically aligned graphene nanosheet arrays: A catalyst-free synthetic strategy towards high-quality graphene for electrochemical energy storage. Chemical Engineering Journal, 2018, 336, 550-561. | 6.6 | 128 |
| 102 | Size-controlled synthesis of fluorescent tungsten oxide quantum dots via one-pot ethanol-thermal strategy for ferric ions detection and bioimaging. Sensors and Actuators B: Chemical, 2018, 255, 290-298. | 4.0 | 28 |
| 103 | Enhanced Biological Photosynthetic Efficiency Using Lightâ€Harvesting Engineering with Dualâ€Emissive Carbon Dots. Advanced Functional Materials, 2018, 28, 1804004. | 7.8 | 189 |
| 104 | Cr3+ doped ZnGa2O4 far-red emission phosphor-in-glass: Toward high-power and color-stable plant growth LEDs with responds to all of phytochrome. Materials Research Bulletin, 2018, 108, 226-233. | 2.7 | 47 |
| 105 | Preparation and properties of dual-mode luminescent NaYF<sub>4</sub>:Yb,Tm@SiO<sub>2</sub>/carbon dot nanocomposites. Journal of Materials Chemistry C, 2018, 6, 10360-10366. | 2.7 | 26 |
| 106 | Large-scale synthesis of porous carbon via one-step CuCl<sub>2</sub> activation of rape pollen for high-performance supercapacitors. Journal of Materials Chemistry A, 2018, 6, 12046-12055. | 5.2 | 126 |
| 107 | Flux-Assisted Preparation and Photoluminescence of Emission-Tunable (Sr,Eu)Al<sub>2</sub>Si<sub>2</sub>O<sub>8</sub> Phosphors. Journal of Nanoscience and Nanotechnology, 2018, 18, 374-380. | 0.9 | 4 |
| 108 | Near-Ultraviolet to Near-Infrared Fluorescent Nitrogen-Doped Carbon Dots with Two-Photon and Piezochromic Luminescence. ACS Applied Materials & Interfaces, 2018, 10, 27920-27927. | 4.0 | 63 |

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|---|---|---|---|
| 109 | Tunable dual emission of Ca<sub>3</sub>Al<sub>4</sub>ZnO<sub>10</sub>:Bi<sup>3+</sup>,Mn<sup>4+</sup>via energy transfer for indoor plant growth lighting. Journal of Materials Chemistry C, 2018, 6, 8914-8922. | 2.7 | 134 |
| 110 | Cationâ€“anion substitution induced spectral tuning and thermal stability optimization in Sr<sub>2</sub>SiO<sub>4</sub>:Eu phosphors. RSC Advances, 2017, 7, 8230-8235. | 1.7 | 10 |
| 111 | Eu<sup>3+</sup>â€Doped Phosphorâ€inâ€Glass: A Route toward Tunable Multicolor Materials for Nearâ€UV Highâ€Power Warmâ€White LEDs. Advanced Optical Materials, 2017, 5, 1600910. | 3.6 | 92 |
| 112 | Hierarchical NiO mesocrystals with tuneable high-energy facets for pseudocapacitive charge storage. Journal of Materials Chemistry A, 2017, 5, 6921-6927. | 5.2 | 38 |
| 113 | Color-tunable and highly thermal stable Sr2MgAl22O36:Tb3+ phosphors. Materials Chemistry and Physics, 2017, 193, 302-310. | 2.0 | 11 |
| 114 | Luminescent properties and energy transfer of luminescent carbon dots assembled mesoporous Al2O3: Eu3+ co-doped materials for temperature sensing. Journal of Colloid and Interface Science, 2017, 496, 8-15. | 5.0 | 33 |
| 115 | Solidâ€State Carbon Dots with Red Fluorescence and Efficient Construction of Dualâ€Fluorescence Morphologies. Small, 2017, 13, 1700075. | 5.2 | 165 |
| 116 | Synthesis of double carbon dots co-doped mesoporous Al2O3 for ratiometric fluorescent determination of oxygen. Sensors and Actuators B: Chemical, 2017, 251, 918-926. | 4.0 | 25 |
| 117 | Room temperature phosphorescence from moisture-resistant and oxygen-barred carbon dot aggregates. Journal of Materials Chemistry C, 2017, 5, 6243-6250. | 2.7 | 91 |
| 118 | All-Inorganic Light Convertor Based on Phosphor-in-Glass Engineering for Next-Generation Modular High-Brightness White LEDs/LDs. ACS Photonics, 2017, 4, 986-995. | 3.2 | 223 |
| 119 | A dual-emitting coreâ€“shell carbon dotâ€“silicaâ€“phosphor composite for LED plant grow light. RSC Advances, 2017, 7, 16662-16667. | 1.7 | 24 |
| 120 | Toward Bi<sup>3+</sup> Red Luminescence with No Visible Reabsorption through Manageable Energy Interaction and Crystal Defect Modulation in Single Bi<sup>3+</sup>-Doped ZnWO<sub>4</sub> Crystal. Chemistry of Materials, 2017, 29, 8412-8424. | 3.2 | 148 |
| 121 | Pollen derived blue fluorescent carbon dots for bioimaging and monitoring of nitrogen, phosphorus and potassium uptake in Brassica parachinensisÂL.. RSC Advances, 2017, 7, 33459-33465. | 1.7 | 39 |
| 122 | Bioimaging Application and Growth-Promoting Behavior of Carbon Dots from Pollen on Hydroponically Cultivated Rome Lettuce. ACS Omega, 2017, 2, 3958-3965. | 1.6 | 73 |
| 123 | Synthesis of monodispersed hierarchical Yb(OH) x F 3â^'x microcrystals and their conversion to Yb 6 O 5 F 8. Materials Research Bulletin, 2017, 94, 489-492. | 2.7 | 4 |
| 124 | Multifunctional carbon dots for highly luminescent orange-emissive cellulose based composite phosphor construction and plant tissue imaging. Nanoscale, 2017, 9, 12976-12983. | 2.8 | 42 |
| 125 | Enhanced persistent properties of Mn<sup>2+</sup> activated CaZnOS. RSC Advances, 2017, 7, 38498-38505. | 1.7 | 6 |
| 126 | Towards efficient dual-emissive carbon dots through sulfur and nitrogen co-doped. Journal of Materials Chemistry C, 2017, 5, 8014-8021. | 2.7 | 73 |

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|---|---|---|---|
| 127 | Luminescent carbon dots assembled into mesoporous aluminas for oxygen sensing. Optical Materials Express, 2017, 7, 945. | 1.6 | 12 |
| 128 | Preparation and Luminescence Properties of CaAlSiN<sub>3</sub>: Eu<sup>2</sup><sup>+</sup>. Science of Advanced Materials, 2017, 9, 661-667. | 0.1 | 9 |
| 129 | Preparation and Luminescence Properties of Ca0.8â€“xSr0.2F2:xEu2+ Blue Light Conversion Agents. Science of Advanced Materials, 2017, 9, 519-522. | 0.1 | 0 |
| 130 | Preparation and Characterization of CaF<sub>2</sub>:Yb<sup>3</sup><sup>+</sup>, Er<sup>3+</sup> Up-Conversion Phosphor. Science of Advanced Materials, 2017, 9, 523-527. | 0.1 | 0 |
| 131 | Effect of Substituting Y3+ for Ca2+ on the Up-Conversion Luminescence Properties of CaF2:Yb3+, Er3+. Science of Advanced Materials, 2017, 9, 528-532. | 0.1 | 0 |
| 132 | In Situ Topotactic Synthesis of Monodispersed Hierarchically Nanostructured Yttriumâ€Based Microspindles from a Mesocrystal Precursor. European Journal of Inorganic Chemistry, 2016, 2016, 3990-3993. | 1.0 | 3 |
| 133 | Tunable emission color and mixed valence state via the modified activator site in the AlN-doped Sr<sub>3</sub>SiO<sub>5</sub>:Eu phosphor. RSC Advances, 2016, 6, 33076-33082. | 1.7 | 17 |
| 134 | A facile route to the synthesis of sub-5 nm monodispersed cubic NaYF4: Yb3+/Er3+ nanocrystals. Materials Letters, 2016, 178, 260-263. | 1.3 | 4 |
| 135 | Solid-state fluorescent composite phosphor based on cellulose grafted with carbon dots for temperature sensing. RSC Advances, 2016, 6, 90126-90131. | 1.7 | 10 |
| 136 | Preparation and characterization of a luminescent carbon dots grafted CaSiO<sub>3</sub>:Eu<sup>3+</sup> phosphor for ratiometric fluorescent oxygen sensing. RSC Advances, 2016, 6, 98554-98562. | 1.7 | 15 |
| 137 | Synthesis of molecularly imprinted carbon dot grafted YVO4:Eu3+ for the ratiometric fluorescent determination of paranitrophenol. Biosensors and Bioelectronics, 2016, 86, 706-713. | 5.3 | 94 |
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