Yingliang Liu

List of Publications by Year
in descending order

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138 papers	8,673 citations	41323 49 h-index	48277 88 g-index
139 all docs	139 docs citations	139 times ranked	9115 citing authors

#	Article	IF	Citations
1	A review of rechargeable batteries for portable electronic devices. InformaÄnÃ-MateriÃ¡ly, 2019, 1, 6-32.	8.5	694
2	Structural phase transition in monolayer MoTe2 driven by electrostatic doping. Nature, 2017, 550, 487-491.	13.7	548
3	A Selfâ€Quenchingâ€Resistant Carbonâ€Dot Powder with Tunable Solidâ€State Fluorescence and Construction of Dualâ€Fluorescence Morphologies for White Lightâ€Emission. Advanced Materials, 2016, 28, 312-318.	11.1	527
4	Hydrophobic carbon dots with blue dispersed emission and red aggregation-induced emission. Nature Communications, 2019, 10, 1789.	5.8	419
5	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
6	Ultralong lifetime and efficient room temperature phosphorescent carbon dots through multi-confinement structure design. Nature Communications, 2020, 11, 5591.	5.8	202
7	Enhanced Biological Photosynthetic Efficiency Using Lightâ€Harvesting Engineering with Dualâ€Emissive Carbon Dots. Advanced Functional Materials, 2018, 28, 1804004.	7.8	189
8	Solidâ€State Carbon Dots with Red Fluorescence and Efficient Construction of Dualâ€Fluorescence Morphologies. Small, 2017, 13, 1700075.	5.2	165
9	Carbon dots-based fluorescent probe for â€œoff-onâ€•sensing of Hg(II) and I. Biosensors and Bioelectronics, 2016, 79, 531-535.	5.3	155
10	Ultrahigh-surface-area hierarchical porous carbon from chitosan: acetic acid mediated efficient synthesis and its application in superior supercapacitors. Journal of Materials Chemistry A, 2017, 5, 24775-24781.	5.2	149
11	A review on the effects of carbon dots in plant systems. Materials Chemistry Frontiers, 2020, 4, 437-448.	3.2	139
12	Facile Synthesis of Three-Dimensional Heteroatom-Doped and Hierarchical Egg-Box-Like Carbons Derived from Moringa oleifera Branches for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 33060-33071.	4.0	137
13	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
14	Large-scale synthesis of porous carbon via one-step CuCl₂ activation of rape pollen for high-performance supercapacitors. Journal of Materials Chemistry A, 2018, 6, 12046-12055.	5.2	126
15	Three-dimensional honeycomb-like hierarchically structured carbon for high-performance supercapacitors derived from high-ash-content sewage sludge. Journal of Materials Chemistry A, 2015, 3, 15225-15234.	5.2	125
16	Construction of Carbon Dots with Colorâ€Tunable Aggregationâ€Induced Emission by Nitrogenâ€Induced Intramolecular Charge Transfer. Advanced Materials, 2021, 33, e2104872.	11.1	112
17	A Surface Seâ€Substituted LiCo[O_{2â^'}_{Î´}Se_{Î´}] Cathode with Ultrastable Highâ€Voltage Cycling in Pouch Fullâ€Cells. Advanced Materials, 2020, 32, e2005182.	11.1	110
18	Far-Red Carbon Dots as Efficient Light-Harvesting Agents for Enhanced Photosynthesis. ACS Applied Materials & Interfaces, 2020, 12, 21009-21019.	4.0	102

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19	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
20	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
21	Eu³⁺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
22	Room temperature phosphorescence from moisture-resistant and oxygen-barred carbon dot aggregates. Journal of Materials Chemistry C, 2017, 5, 6243-6250.	2.7	91
23	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
24	Co-substitution in Ca_{1â^'x}Y_xAl_{12â^'x}Mg_xO₁₉phosphors: local structure evolution, photoluminescence tuning and application for plant growth LEDs. Journal of Materials Chemistry C, 2018, 6, 4217-4224.	2.7	83
25	Amorphous Niâ€“Co Binary Oxide with Hierarchical Porous Structure for Electrochemical Capacitors. ACS Applied Materials & Interfaces, 2015, 7, 24419-24429.	4.0	82
26	Rational Synthesis of Highly Porous Carbon from Waste Bagasse for Advanced Supercapacitor Application. ACS Sustainable Chemistry and Engineering, 2018, 6, 15325-15332.	3.2	82
27	Fluorescent Nanoparticles for Super-Resolution Imaging. Chemical Reviews, 2022, 122, 12495-12543.	23.0	82
28	Mixed-Biomass Wastes Derived Hierarchically Porous Carbons for High-Performance Electrochemical Energy Storage. ACS Sustainable Chemistry and Engineering, 2019, 7, 10393-10402.	3.2	78
29	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
30	Interconnected 3â€‰D Network of Grapheneâ€Oxide Nanosheets Decorated with Carbon Dots for Highâ€Performance Supercapacitors. ChemSusChem, 2017, 10, 2626-2634.	3.6	75
31	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
32	Towards efficient dual-emissive carbon dots through sulfur and nitrogen co-doped. Journal of Materials Chemistry C, 2017, 5, 8014-8021.	2.7	73
33	Nearâ€Infraredâ€Excited Multicolor Afterglow in Carbon Dotsâ€Based Roomâ€Temperature Afterglow Materials. Angewandte Chemie - International Edition, 2021, 60, 22253-22259.	7.2	73
34	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
35	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
36	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

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37	Precipitating CsPbBr₃ 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
38	Transparent sunlight conversion film based on carboxymethyl cellulose and carbon dots. Carbohydrate Polymers, 2016, 151, 245-250.	5.1	67
39	Synthesis of dual-emissive carbon dots with a unique solvatochromism phenomenon. Journal of Colloid and Interface Science, 2019, 555, 607-614.	5.0	66
40	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
41	Bark-Based 3D Porous Carbon Nanosheet with Ultrahigh Surface Area for High Performance Supercapacitor Electrode Material. ACS Sustainable Chemistry and Engineering, 2019, 7, 13827-13835.	3.2	63
42	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
43	Anchoring Carbon Nanodots onto Nanosilica for Phosphorescence Enhancement and Delayed Fluorescence Nascence in Solid and Liquid States. Small, 2020, 16, e2005228.	5.2	61
44	Facile Synthesis of Highly Porous Carbon from Rice Husk. ACS Sustainable Chemistry and Engineering, 2017, 5, 7111-7117.	3.2	56
45	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
46	The changing structure by component: Biomass-based porous carbon for high-performance supercapacitors. Journal of Colloid and Interface Science, 2021, 585, 778-786.	5.0	56
47	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
48	Construction of Mixed Ionicâ€Electronic Conducting Scaffolds in Zn Powder: A Scalable Route to Dendriteâ€Free and Flexible Zn Anodes. Advanced Materials, 2022, 34, e2200860.	11.1	54
49	Natural Plant Template-Derived Cellular Framework Porous Carbon as a High-Rate and Long-Life Electrode Material for Energy Storage. ACS Sustainable Chemistry and Engineering, 2019, 7, 5845-5855.	3.2	53
50	Facile fabrication of rice husk based silicon dioxide nanospheres loaded with silver nanoparticles as a rice antibacterial agent. Scientific Reports, 2016, 6, 21423.	1.6	51
51	Extraordinary Thickness-Independent Electrochemical Energy Storage Enabled by Cross-Linked Microporous Carbon Nanosheets. ACS Applied Materials & Interfaces, 2019, 11, 26946-26955.	4.0	51
52	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
53	Unusual Concentration Induced Antithermal Quenching of the Bi2+ Emission from Sr2P2O7:Bi2+. Inorganic Chemistry, 2015, 54, 6028-6034.	1.9	50
54	Insights into luminescence quenching and detecting trap distribution in Ba₂Si₅N₈:Eu²⁺phosphor with comprehensive considerations of temperature-dependent luminescence behaviors. Journal of Materials Chemistry C, 2015, 3, 9572-9579.	2.7	48

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55	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
56	Synthesis of Porous Carbon Material with Suitable Graphitization Strength for High Electrochemical Capacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 6601-6610.	3.2	46
57	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
58	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
59	Hierarchically Porous Carbon Derived from Neolamarckia cadamba for Electrochemical Capacitance and Hydrogen Storage. ACS Sustainable Chemistry and Engineering, 2019, 7, 15385-15393.	3.2	44
60	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
61	Boosting zinc ion energy storage capability of inert MnO cathode by defect engineering. Journal of Colloid and Interface Science, 2021, 594, 540-549.	5.0	43
62	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
63	Preparation and Properties of Carbon Dotâ€Grafted CaAl₁₂O₁₉:Mn⁴⁺ Colorâ€Tunable Hybrid Phosphor. Advanced Optical Materials, 2016, 4, 427-434.	3.6	42
64	Regulating the morphology and luminescence properties of $CsPbBr_3$ perovskite quantum dots through the rigidity of glass network structure. Journal of Materials Chemistry C, 2020, 8, 17374-17382.	2.7	41
65	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
66	Promoting the Growth of Mung Bean Plants through Uptake and Light Conversion of $NaYF_4$:Yb,Er@CDs Nanocomposites. ACS Sustainable Chemistry and Engineering, 2020, 8, 9751-9762.	3.2	40
67	A mild method to prepare nitrogen-rich interlaced porous carbon nanosheets for high-performance supercapacitors. Journal of Colloid and Interface Science, 2021, 599, 381-389.	5.0	40
68	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
69	Architecture engineering of carbonaceous anodes for highâ€rate potassiumâ€ion batteries. , 2021, 3, 554-581.		39
70	Hierarchical NiO mesocrystals with tuneable high-energy facets for pseudocapacitive charge storage. Journal of Materials Chemistry A, 2017, 5, 6921-6927.	5.2	38
71	KNO_3-mediated synthesis of high-surface-area polyacrylonitrile-based carbon material for exceptional supercapacitors. Carbon, 2019, 152, 120-127.	5.4	38
72	Component Degradation-Enabled Preparation of Biomass-Based Highly Porous Carbon Materials for Energy Storage. ACS Sustainable Chemistry and Engineering, 2019, 7, 15259-15266.	3.2	36

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73	Surface functional carbon dots: chemical engineering applications beyond optical properties. Journal of Materials Chemistry C, 2020, 8, 16282-16294.	2.7	36
74	Preparation, characterization and oxygen sensing properties of luminescent carbon dots assembled mesoporous silica microspheres. Journal of Colloid and Interface Science, 2016, 478, 256-262.	5.0	35
75	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
76	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
77	Small nitrogen-doped carbon dots as efficient nanoenhancer for boosting the electrochemical performance of three-dimensional graphene. Journal of Colloid and Interface Science, 2019, 536, 628-637.	5.0	34
78	Multiemissive Room-Temperature Phosphorescent Carbon Dots@ZnAl₂O₄ Composites by Inorganic Defect Triplet-State Energy Transfer. ACS Applied Materials & Interfaces, 2021, 13, 34705-34713.	4.0	34
79	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
80	Rapid room-temperature preparation of MoO_{3â^'x} quantum dots by ultraviolet irradiation for photothermal treatment and glucose detection. New Journal of Chemistry, 2018, 42, 18533-18540.	1.4	33
81	Facile synthesis of the desired red phosphor Li₂Ca₂Mg₂Si₂N₆:Eu²⁺ for high CRI white LEDs and plant growth LED device. Journal of the American Ceramic Society, 2020, 103, 1773-1781.	1.9	33
82	Construction of NaYF₄:Yb,Er(Tm)@CDs composites for enhancing red and NIR upconversion emission. Journal of Materials Chemistry C, 2019, 7, 6231-6235.	2.7	32
83	A universal KOH-free strategy towards nitrogen-doped carbon nanosheets for high-rate and high-energy storage devices. Journal of Materials Chemistry A, 2019, 7, 26469-26478.	5.2	32
84	Mild synthesis of superadhesive hydrogel electrolyte with low interfacial resistance and enhanced ionic conductivity for flexible zinc ion battery. Journal of Colloid and Interface Science, 2021, 600, 586-593.	5.0	32
85	Bioinspired Highly Crumpled Porous Carbons with Multidirectional Porosity for High Rate Performance Electrochemical Supercapacitors. ACS Sustainable Chemistry and Engineering, 2018, 6, 12716-12726.	3.2	31
86	Facile construction of hollow carbon nanosphere-interconnected network for advanced sodium-ion battery anode. Journal of Colloid and Interface Science, 2019, 546, 53-59.	5.0	31
87	Preparation of graphene oxide with silver nanowires to enhance antibacterial properties and cell compatibility. RSC Advances, 2015, 5, 85748-85755.	1.7	27
88	Multifunctional molybdenum disulfide-copper nanocomposite that enhances the antibacterial activity, promotes rice growth and induces rice resistance. Journal of Hazardous Materials, 2020, 394, 122551.	6.5	27
89	Preparation and properties of dual-mode luminescent NaYF₄:Yb,Tm@SiO₂/carbon dot nanocomposites. Journal of Materials Chemistry C, 2018, 6, 10360-10366.	2.7	26
90	A dual-emitting coreâ€“shell carbon dotâ€“silicaâ€“phosphor composite for LED plant grow light. RSC Advances, 2017, 7, 16662-16667.	1.7	24

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91	Enhanced luminescence performance of CaO:Ce³⁺,Li⁺,F^{â˜’} phosphor and its phosphor-in-glass based high-power warm LED properties. Journal of Materials Chemistry C, 2018, 6, 4077-4086.	2.7	24
92	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
93	Facile construction of uniform ultramicropores in porous carbon for advanced sodium-ion battery. Journal of Colloid and Interface Science, 2021, 582, 852-858.	5.0	24
94	Non-tubular-biomass-derived nitrogen-doped carbon microtubes for ultrahigh-area-capacity lithium-ion batteries. Journal of Colloid and Interface Science, 2020, 580, 638-644.	5.0	22
95	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
96	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
97	Propelling electrochemical kinetics of transition metal oxide for high-rate lithium-ion battery through in situ deoxidation. Journal of Colloid and Interface Science, 2021, 587, 590-596.	5.0	22
98	Amine-Functionalized Carbon Cloth Host for Dendrite-Free Zn Metal Anodes. ACS Applied Energy Materials, 2021, 4, 4482-4488.	2.5	22
99	Polyacrylonitrile-based highly porous carbon materials for exceptional hydrogen storage. International Journal of Hydrogen Energy, 2019, 44, 23210-23215.	3.8	20
100	Advanced nanonetwork-structured carbon materials for high-performance formaldehyde capture. Journal of Colloid and Interface Science, 2019, 537, 562-568.	5.0	20
101	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
102	Tunable emission color and mixed valence state via the modified activator site in the AlN-doped Sr₃SiO₅:Eu phosphor. RSC Advances, 2016, 6, 33076-33082.	1.7	17
103	Facile Synthesis of Core-Shell Structured SiO2@Carbon Composite Nanorods for High-Performance Lithium-Ion Batteries. Nanomaterials, 2020, 10, 513.	1.9	17
104	In Situ Growth of High-Quality CsPbBr₃ 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
105	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
106	Preparation and characterization of a luminescent carbon dots grafted CaSiO₃:Eu³⁺ phosphor for ratiometric fluorescent oxygen sensing. RSC Advances, 2016, 6, 98554-98562.	1.7	15
107	Solid-state silicon nanoparticles with color-tunable photoluminescence and multifunctional applications. Journal of Materials Chemistry C, 2019, 7, 5962-5969.	2.7	15
108	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

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109	Carbon dot grafted SrAl₂O₄:Eu,Dy dual-emitting phosphor for ratiometric temperature sensing. RSC Advances, 2015, 5, 89238-89243.	1.7	14
110	Preparation and properties of Sr2Si5N8:Eu2+â€“cellulose hybrid films for sunlight conversion. Cellulose, 2015, 22, 3337-3345.	2.4	13
111	Engineering of nanonetwork-structured carbon to enable high-performance potassium-ion storage. Journal of Colloid and Interface Science, 2020, 561, 195-202.	5.0	13
112	A general strategy for metal oxide nanoparticles embedded into heterogeneous carbon nanosheets as high-rate lithium-ion battery anodes. Journal of Materials Chemistry A, 2020, 8, 25382-25389.	5.2	13
113	Hemicellulose-triggered high-yield synthesis of carbon dots from biomass. New Journal of Chemistry, 2021, 45, 5484-5490.	1.4	13
114	Construction of NaYF4:Eu@carbon dots nanocomposites for multifunctional applications. Journal of Colloid and Interface Science, 2019, 543, 156-163.	5.0	12
115	Solid-state fluorescent composite phosphor based on cellulose grafted with carbon dots for temperature sensing. RSC Advances, 2016, 6, 90126-90131.	1.7	10
116	Cationâ€“anion substitution induced spectral tuning and thermal stability optimization in Sr₂SiO₄:Eu phosphors. RSC Advances, 2017, 7, 8230-8235.	1.7	10
117	KCl-assisted activation: Moringa oleifera branch-derived porous carbon for high performance supercapacitor. New Journal of Chemistry, 2021, 45, 5712-5719.	1.4	10
118	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
119	Capillary enhanced hydrophilic block carbon material for binder-free supercapacitor electrode. Journal of Power Sources, 2021, 507, 230289.	4.0	9
120	Synthesis of hybrid Ni-Co oxide @ 3D carbon skeleton derived from pollen grains for advanced supercapacitors. Electrochimica Acta, 2016, 210, 695-703.	2.6	8
121	Nearâ€Infraredâ€Excited Multicolor Afterglow in Carbon Dotsâ€Based Roomâ€Temperature Afterglow Materials. Angewandte Chemie, 2021, 133, 22427-22433.	1.6	8
122	Controllable Synthesis of Carbon Dots@CaCO₃ Composites: Tunable Morphology, UV Absorption Properties, and Application as an Ultraviolet Absorber. Crystal Growth and Design, 2022, 22, 4357-4365.	1.4	8
123	Facile one-step and high-yield synthesis of few-layered and hierarchically porous boron nitride nanosheets. RSC Advances, 2016, 6, 45402-45409.	1.7	7
124	Modulating the local structure of glass to promote in situ precipitation of perovskite CsPbBr₃ quantum dots by introducing a network modifier. Journal of Materials Chemistry C, 2022, 10, 8634-8641.	2.7	7
125	Enhanced persistent properties of Mn²⁺ activated CaZnOS. RSC Advances, 2017, 7, 38498-38505.	1.7	6
126	Key to intimately coupling metal chalcogenides with a carbon nanonetwork for potassium-ion storage. Journal of Materials Chemistry A, 2022, 10, 8958-8965.	5.2	6

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127	A rapid construction strategy of NaYF₄:Yb,Er@CDs nanocomposites for dual-mode anti-counterfeiting. Materials Advances, 2022, 3, 4542-4547.	2.6	6
128	Infrared Brazing Fe3Al Using Ag-Based Filler Metals. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 2836-2843.	1.1	5
129	Rich N/O/S co-doped porous carbon with a high surface area from silkworm cocoons for superior supercapacitors. New Journal of Chemistry, 2019, 43, 19372-19378.	1.4	5
130	One-step preparation of carbon dot-grafted trisodium citrate dihydrate for tunable photoluminescence and white light-emitting diodes. RSC Advances, 2016, 6, 104724-104730.	1.7	4
131	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
132	Active Nanointerfaceâ€Assisted Coâ€Assembly to Yolkâ€“Shell Au@Ordered Mesoporous Carbon Nanospheres. Advanced Materials Interfaces, 2020, 7, 1901703.	1.9	3
133	Direct carbonization of black liquor powders into 3D honeycomb-like porous carbons with a tunable disordered degree for sodium-ion batteries. New Journal of Chemistry, 2020, 44, 10697-10702.	1.4	3
134	Homogeneous triple-phase interfaces enabling one-pot route to metal compound/carbon composites. Journal of Colloid and Interface Science, 2021, 599, 271-279.	5.0	3
135	Surface chemical functionality of carbon dots: influence on the structure and energy storage performance of the layered double hydroxide. RSC Advances, 2021, 11, 10785-10793.	1.7	3
136	From Lychee Seeds to Hierarchical Fe₃O₄/Carbon Composite Anodes for Lithium-Ion Batteries: A High Additional Value Conversion-Based Self-Assembly Strategy. Energy & Fuels, 2022, 36, 5027-5035.	2.5	2
137	Different Kinds of Citric Acid Based Carbon Dots and Their Enhancement of the Growth of Italian Lettuce. ACS Agricultural Science and Technology, 2022, 2, 684-692.	1.0	2
138	Liquidâ€“liquid micromixing strategy enables low KOH-amount synthesis of ultrahighly porous carbon for zinc-ion storage. SN Applied Sciences, 2020, 2, 1.	1.5	1