

Ji-Shi Wei

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34
papers

3,774
citations

21
h-index

38
g-index

38
ext. papers

4,666
ext. citations

9.8
avg, IF

6.06
L-index

#	Paper	IF	Citations
34	Full-Color Light-Emitting Carbon Dots with a Surface-State-Controlled Luminescence Mechanism. <i>ACS Nano</i> , 2016 , 10, 484-91	16.7	1381
33	Nitrogen and sulfur co-doped carbon dots with strong blue luminescence. <i>Nanoscale</i> , 2014 , 6, 13817-23	7.7	392
32	Solvent-Controlled Synthesis of Highly Luminescent Carbon Dots with a Wide Color Gamut and Narrowed Emission Peak Widths. <i>Small</i> , 2018 , 14, e1800612	11	281
31	Red-Emissive Carbon Dots for Fingerprints Detection by Spray Method: Coffee Ring Effect and Unquenched Fluorescence in Drying Process. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18429-18433	9.5	194
30	Synergetic Protective Effect of the Ultralight MWCNTs/NCQDs Modified Separator for Highly Stable Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1702288	21.8	191
29	Functional Groups and Pore Size Distribution Do Matter to Hierarchically Porous Carbons as High-Rate-Performance Supercapacitors. <i>Chemistry of Materials</i> , 2016 , 28, 445-458	9.6	189
28	Carbon Dots/NiCo O Nanocomposites with Various Morphologies for High Performance Supercapacitors. <i>Small</i> , 2016 , 12, 5927-5934	11	150
27	Highly Efficient Red-Emitting Carbon Dots with Gram-Scale Yield for Bioimaging. <i>Langmuir</i> , 2017 , 33, 12635-12642	4	147
26	Facile synthesis of red-emitting carbon dots from pulp-free lemon juice for bioimaging. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 5272-5277	7.3	138
25	Hierarchical porous carbon materials with high capacitance derived from Schiff-base networks. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 5811-9	9.5	93
24	Carbon dots with red/near-infrared emissions and their intrinsic merits for biomedical applications. <i>Carbon</i> , 2020 , 167, 322-344	10.4	84
23	Efficient Oxygen Electrocatalyst for Zn-Air Batteries: Carbon Dots and CoS Nanoparticles in a N,S-Codoped Carbon Matrix. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 14085-14094	9.5	66
22	Robust Negative Electrode Materials Derived from Carbon Dots and Porous Hydrogels for High-Performance Hybrid Supercapacitors. <i>Advanced Materials</i> , 2019 , 31, e1806197	24	64
21	Surface states of carbon dots and their influences on luminescence. <i>Journal of Applied Physics</i> , 2020 , 127, 231101	2.5	63
20	A versatile single-ion electrolyte with a Grotthuss-like Li conduction mechanism for dendrite-free Li metal batteries. <i>Energy and Environmental Science</i> , 2019 , 12, 2741-2750	35.4	49
19	Heteroatom-doped carbon dots based catalysts for oxygen reduction reactions. <i>Journal of Colloid and Interface Science</i> , 2019 , 537, 716-724	9.3	42
18	Robust hierarchically interconnected porous carbons derived from discarded Rhus typhina fruits for ultrahigh capacitive performance supercapacitors. <i>Journal of Power Sources</i> , 2019 , 414, 13-23	8.9	37

17	A new generation of energy storage electrode materials constructed from carbon dots. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 729-749	7.8	34
16	Self-Assembled ZnO Nanoparticle Capsules for Carrying and Delivering Isotretinoin to Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18474-18481	9.5	25
15	Surface Roughness: A Crucial Factor To Robust Electric Double Layer Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 5786-5792	9.5	21
14	Preparation of porous carbon electrodes from semen cassiae for high-performance electric double-layer capacitors. <i>New Journal of Chemistry</i> , 2018 , 42, 6763-6769	3.6	21
13	High volumetric supercapacitor with a long life span based on polymer dots and graphene sheets. <i>Journal of Power Sources</i> , 2017 , 364, 465-472	8.9	20
12	Li-air Battery with a Superhydrophobic Li-Protective Layer. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 23010-23016	9.5	14
11	Integrating Carbon Dots with Porous Hydrogels to Produce Full Carbon Electrodes for Electric Double-Layer Capacitors. <i>ACS Applied Energy Materials</i> , 2020 , 3, 6907-6914	6.1	11
10	Applications of Carbon Dots in Next-generation Lithium-Ion Batteries. <i>ChemNanoMat</i> , 2020 , 6, 1421-1436	9.5	11
9	A dendrite-free Li plating host towards high utilization of Li metal anode in LiO ₂ battery. <i>Science Bulletin</i> , 2019 , 64, 478-484	10.6	10
8	Red Fluorescent Carbon Dot Powder for Accurate Latent Fingerprint Identification using an Artificial Intelligence Program. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29549-29555	9.5	10
7	Large scale synthesis of full-color emissive carbon dots from a single carbon source by a solvent-free method. <i>Nano Research</i> , 1	10	8
6	Self-assembled ZnO-carbon dots anode materials for high performance nickel-zinc alkaline batteries. <i>Chemical Engineering Journal</i> , 2021 , 425, 130660	14.7	7
5	Spontaneous Atomic Sites Formation in Wurtzite CoO Nanorods for Robust CO ₂ Photoreduction. <i>Advanced Functional Materials</i> , 2109693	15.6	6
4	Integrated Carbon Dots-Matrix Structures: An Efficient Strategy for High-Performance Electric Double Layer Capacitors. <i>ACS Applied Energy Materials</i> , 2020 , 3, 4958-4964	6.1	4
3	Fine-Tuning the Wall Thickness of Ordered Mesoporous Graphene by Exploiting Ligand Exchange of Colloidal Nanocrystals. <i>Frontiers in Chemistry</i> , 2017 , 5, 117	5	4
2	In-situ self-assembly host-guest carbon aerogels for robust electrochemical capacitors. <i>Electrochimica Acta</i> , 2020 , 364, 137285	6.7	3
1	Carbon aerogels with mutual support structures constructed by hybrid hydrogels: Robust energy storage materials. <i>Materials Today Communications</i> , 2020 , 25, 101444	2.5	1