Ji-Shi Wei

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Self-assembled ZnO-carbon dots anode materials for high performance nickel-zinc alkaline batteries. *Chemical Engineering Journal*, **2021**, 425, 130660	14.7	7
33	Integrated Carbon Dots-Matrix Structures: An Efficient Strategy for High-Performance Electric Double Layer Capacitors. *ACS Applied Energy Materials*, **2020**, 3, 4958-4964	6.1	4
32	Red Fluorescent Carbon Dot Powder for Accurate Latent Fingerprint Identification using an Artificial Intelligence Program. *ACS Applied Materials & Interfaces*, **2020**, 12, 29549-29555	9.5	10
31	Surface states of carbon dots and their influences on luminescence. *Journal of Applied Physics*, **2020**, 127, 231101	2.5	63
30	Carbon dots with red/near-infrared emissions and their intrinsic merits for biomedical applications. *Carbon*, **2020**, 167, 322-344	10.4	84
29	Integrating Carbon Dots with Porous Hydrogels to Produce Full Carbon Electrodes for Electric Double-Layer Capacitors. *ACS Applied Energy Materials*, **2020**, 3, 6907-6914	6.1	11
28	Surface Roughness: A Crucial Factor To Robust Electric Double Layer Capacitors. *ACS Applied Materials & Interfaces*, **2020**, 12, 5786-5792	9.5	21
27	Li-air Battery with a Superhydrophobic Li-Protective Layer. *ACS Applied Materials & Interfaces*, **2020**, 12, 23010-23016	9.5	14
26	A new generation of energy storage electrode materials constructed from carbon dots. *Materials Chemistry Frontiers*, **2020**, 4, 729-749	7.8	34
25	In-situ self-assembly host-guest carbon aerogels for robust electrochemical capacitors. *Electrochimica Acta*, **2020**, 364, 137285	6.7	3
24	Carbon aerogels with mutual support structures constructed by hybrid hydrogels: Robust energy storage materials. *Materials Today Communications*, **2020**, 25, 101444	2.5	1
23	Applications of Carbon Dots in Next-generation Lithium-Ion Batteries. *ChemNanoMat*, **2020**, 6, 1421-1436	3.5	11
22	A dendrite-free Li plating host towards high utilization of Li metal anode in Li–O2 battery. *Science Bulletin*, **2019**, 64, 478-484	10.6	10
21	Efficient Oxygen Electrocatalyst for Zn-Air Batteries: Carbon Dots and CoS Nanoparticles in a N,S-Codoped Carbon Matrix. *ACS Applied Materials & Interfaces*, **2019**, 11, 14085-14094	9.5	66
20	A versatile single-ion electrolyte with a Grotthuss-like Li conduction mechanism for dendrite-free Li metal batteries. *Energy and Environmental Science*, **2019**, 12, 2741-2750	35.4	49
19	Heteroatom-doped carbon dots based catalysts for oxygen reduction reactions. *Journal of Colloid and Interface Science*, **2019**, 537, 716-724	9.3	42
18	Robust hierarchically interconnected porous carbons derived from discarded Rhus typhina fruits for ultrahigh capacitive performance supercapacitors. *Journal of Power Sources*, **2019**, 414, 13-23	8.9	37

List of Publications

17	Robust Negative Electrode Materials Derived from Carbon Dots and Porous Hydrogels for High-Performance Hybrid Supercapacitors. *Advanced Materials*, **2019**, 31, e1806197	24	64
16	Preparation of porous carbon electrodes from semen cassiae for high-performance electric double-layer capacitors. *New Journal of Chemistry*, **2018**, 42, 6763-6769	3.6	21
15	Synergetic Protective Effect of the Ultralight MWCNTs/NCQDs Modified Separator for Highly Stable LithiumSulfur Batteries. *Advanced Energy Materials*, **2018**, 8, 1702288	21.8	191
14	Solvent-Controlled Synthesis of Highly Luminescent Carbon Dots with a Wide Color Gamut and Narrowed Emission Peak Widths. *Small*, **2018**, 14, e1800612	11	281
13	Facile synthesis of red-emitting carbon dots from pulp-free lemon juice for bioimaging. *Journal of Materials Chemistry B*, **2017**, 5, 5272-5277	7.3	138
12	Red-Emissive Carbon Dots for Fingerprints Detection by Spray Method: Coffee Ring Effect and Unquenched Fluorescence in Drying Process. *ACS Applied Materials & Interfaces*, **2017**, 9, 18429-18433	9.5	194
11	Self-Assembled ZnO Nanoparticle Capsules for Carrying and Delivering Isotretinoin to Cancer Cells. *ACS Applied Materials & Interfaces*, **2017**, 9, 18474-18481	9.5	25
10	Highly Efficient Red-Emitting Carbon Dots with Gram-Scale Yield for Bioimaging. *Langmuir*, **2017**, 33, 12635-12642	4	147
9	High volumetric supercapacitor with a long life span based on polymer dots and graphene sheets. *Journal of Power Sources*, **2017**, 364, 465-472	8.9	20
8	Fine-Tuning the Wall Thickness of Ordered Mesoporous Graphene by Exploiting Ligand Exchange of Colloidal Nanocrystals. *Frontiers in Chemistry*, **2017**, 5, 117	5	4
7	Full-Color Light-Emitting Carbon Dots with a Surface-State-Controlled Luminescence Mechanism. *ACS Nano*, **2016**, 10, 484-91	16.7	1381
6	Functional Groups and Pore Size Distribution Do Matter to Hierarchically Porous Carbons as High-Rate-Performance Supercapacitors. *Chemistry of Materials*, **2016**, 28, 445-458	9.6	189
5	Carbon Dots/NiCo O Nanocomposites with Various Morphologies for High Performance Supercapacitors. *Small*, **2016**, 12, 5927-5934	11	150
4	Hierarchical porous carbon materials with high capacitance derived from Schiff-base networks. *ACS Applied Materials & Interfaces*, **2015**, 7, 5811-9	9.5	93
3	Nitrogen and sulfur co-doped carbon dots with strong blue luminescence. *Nanoscale*, **2014**, 6, 13817-23	7.7	392
2	Large scale synthesis of full-color emissive carbon dots from a single carbon source by a solvent-free method. *Nano Research*,1	10	8
1	Spontaneous Atomic Sites Formation in Wurtzite CoO Nanorods for Robust CO 2 Photoreduction. *Advanced Functional Materials*,2109693	15.6	6