

Cheng-yang Wang

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.

77
papers

3,892
citations

24
h-index

62
g-index

82
ext. papers

4,411
ext. citations

6
avg, IF

5.52
L-index

#	Paper	IF	Citations
77	Conversion of phenolic mixture to refractory resins: A resourcezation strategy for phenolic distillation residues. <i>Journal of Hazardous Materials</i> , 2021 , 414, 125357	12.8	4
76	Layer-by-layer N, P co-doped carbon materials with gradient electric field to suppress the shuttle effect for lithium sulfur batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 870, 159543	5.7	9
75	Potassium-assisted carbonization of chlorobenzene in Ar/H ₂ to prepare porous carbon with low oxygen content for high withstanding voltage EDLCs. <i>Carbon</i> , 2021 , 172, 154-161	10.4	4
74	Mesocarbon microbeads with superior anode performance for sodium-ion batteries. <i>Ionics</i> , 2021 , 27, 677-682	2.7	1
73	CoB and BN composites enabling integrated adsorption/catalysis to polysulfides for inhibiting shuttle-effect in Li-S batteries. <i>Journal of Energy Chemistry</i> , 2021 , 59, 220-228	12	9
72	Facile Synthesis of N,P-codoped Hard Carbon Nanoporous Microspheres from Lignin for High-Performance Anodes of Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2021 , 8, 3544-3552	4.3	3
71	Mulberry-Like Core-Shell Structured C@MnO ₂ as Electrode Material for LiIon Batteries and Pseudo-Capacitors. <i>ChemistrySelect</i> , 2020 , 5, 5657-5664	1.8	3
70	High-capacity SiO _x (0x=0.44) as promising anode materials for next-generation lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 842, 155774	5.7	29
69	Unveiling a bimetallic FeCo-coupled MoS composite for enhanced energy storage. <i>Nanoscale</i> , 2020 , 12, 10532-10542	7.7	8
68	Uniform growth of Li ₂ S promoted by an organophosphorus-based mediator for high rate Li-S batteries. <i>Chemical Engineering Journal</i> , 2020 , 381, 122685	14.7	16
67	Optimizing the Crystallite Structure of Lignin-Based Nanospheres by Resinification for High-Performance Sodium-Ion Battery Anodes. <i>Energy Technology</i> , 2020 , 8, 1900694	3.5	5
66	Lignin-Derived Hard Carbon Microspheres Synthesized via Emulsion-Solvent Evaporation as Anode for Sodium Storage. <i>Energy Technology</i> , 2020 , 8, 1901423	3.5	6
65	Synthesis of Size-Controllable Lignin-Based Nanospheres and Its Application in Electrical Double Layer Capacitors. <i>ChemistrySelect</i> , 2020 , 5, 8265-8273	1.8	2
64	Rational valence modulation of bimetallic carbide assisted by defect engineering to enhance polysulfide conversion for lithium sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18032-18042	13	13
63	Structural Changes of Activated Carbon Electrodes for EDLCs in the Manufacturing Process. <i>Transactions of Tianjin University</i> , 2020 , 26, 391-398	2.9	1
62	Porous carbon nanospheres with moderately oriented domains for EDLC electrode. <i>Journal of the Chinese Chemical Society</i> , 2019 , 66, 1499-1506	1.5	
61	Mesoporous electronegative nanocomposites of SBA-15 with CaO/TeO ₂ for polycarbonate depolymerization. <i>Journal of Materials Science</i> , 2019 , 54, 9442-9455	4.3	8

60	Catalytic Synthesis of Hard/Soft Carbon Hybrids with Heteroatom Doping for Enhanced Sodium Storage. <i>ChemistrySelect</i> , 2019 , 4, 3551-3558	1.8	3
59	Hollow CoO Nanosphere Surrounded by N-Doped Graphitic Carbon Filled within Multilayer-Sandwiched Graphene Network: A High-Performance Anode for Lithium Storage. <i>Inorganic Chemistry</i> , 2019 , 58, 3416-3424	5.1	14
58	Abundant Defects-Induced Interfaces Enabling Effective Anchoring for Polysulfides and Enhanced Kinetics in Lean Electrolyte Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 46767-46775	9.5	13
57	Urea-assisted Strategy Controlling The Pore Structure And Chemical Composition Of The Porous Carbon For High-performance Supercapacitors. <i>ChemistrySelect</i> , 2019 , 4, 13012-13020	1.8	0
56	2D porous carbon nanosheets constructed using few-layer graphene sheets by a medium-up strategy for ultrahigh power-output EDLCs. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10331-10339	13	22
55	N-Doped Dual Carbon-Confined 3D Architecture rGO/FeO/AC Nanocomposite for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 13470-13478	9.5	56
54	Humic acid-derived hierarchical porous carbon preparation using vacuum freeze-drying for electric double layer capacitors. <i>Journal of the Chinese Chemical Society</i> , 2018 , 65, 835-840	1.5	3
53	A porous biomass-derived anode for high-performance sodium-ion batteries. <i>Carbon</i> , 2018 , 129, 695-701	10.4	102
52	Frame-filling C/C composite for high-performance EDLCs with high withstanding voltage. <i>Carbon</i> , 2018 , 131, 184-192	10.4	21
51	Preparation and formation mechanism of size-controlled lignin based microsphere by reverse phase polymerization. <i>Materials Chemistry and Physics</i> , 2018 , 203, 97-105	4.4	12
50	On-Chip Facile Preparation of Monodisperse Resorcinol Formaldehyde (RF) Resin Microspheres. <i>Micromachines</i> , 2018 , 9,	3.3	2
49	Design and Preparation of Lignin-Based Hierarchical Porous Carbon Microspheres by High Efficient Activation for Electric Double Layer Capacitors. <i>ChemElectroChem</i> , 2018 , 5, 2142-2149	4.3	14
48	Commercial activated carbon as a novel precursor of the amorphous carbon for high-performance sodium-ion batteries anode. <i>Carbon</i> , 2018 , 129, 85-94	10.4	49
47	Three-dimensional Si/hard-carbon/graphene network as high-performance anode material for lithium ion batteries. <i>Journal of Materials Science</i> , 2018 , 53, 2149-2160	4.3	22
46	Ultraviolet Irradiation Treatment for Enhanced Sodium Storage Performance Based on Wide-Interlayer-Spacing Hollow C@MoS@CN Nanospheres. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 38084-38092	9.5	24
45	An Attempt to Improve Electrochemical Performances of Lignin-Based Hard Carbon Microspheres Anodes in Sodium-Ion Batteries by Using Hexamethylenetetramine. <i>ChemistrySelect</i> , 2018 , 3, 9518-9525	1.8	8
44	SiO ₂ /Carbon Composite Microspheres with Hollow Core-shell Structure as a High-Stability Electrode for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2017 , 4, 542-549	4.3	45
43	Highly Conductive Hierarchical C/C Composites to Eliminate Conductive Agent in EDLC Electrodes. <i>ChemElectroChem</i> , 2017 , 4, 2793-2800	4.3	11

42	High-yield humic acid-based hard carbons as promising anode materials for sodium-ion batteries. <i>Carbon</i> , 2017 , 123, 727-734	10.4	47
41	Enhanced Electrochemical Performance of Mesocarbon-Microbeads-Based Anodes through Air Oxidation for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2017 , 4, 2583-2592	4.3	6
40	Highly Conductive Hierarchical C/C Composites to Eliminate Conductive Agent in EDLC Electrodes. <i>ChemElectroChem</i> , 2017 , 4, 2726-2726	4.3	2
39	A low-cost attempt to improve electrochemical performances of pitch-based hard carbon anodes in lithium-ion batteries by oxidative stabilization. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 555-562	2.6	14
38	Droplet Microfluidics for the Production of Microparticles and Nanoparticles. <i>Micromachines</i> , 2017 , 8, 22	3.3	68
37	The key pre-pyrolysis in lignin-based activated carbon preparation for high performance supercapacitors. <i>Materials Chemistry and Physics</i> , 2016 , 181, 187-193	4.4	25
36	Structure and optical absorption properties of NiTiO ₃ nanocrystallites. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	11
35	Lignin-derived hierarchical porous carbon for high-performance supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 1405-1412	2.6	34
34	Frame-filling structural nanoporous carbon from amphiphilic carbonaceous mixture comprising graphite oxide. <i>Carbon</i> , 2016 , 108, 225-233	10.4	15
33	MgO-templated mesoporous carbons using a pitch-based thermosetting carbon precursor. <i>RSC Advances</i> , 2016 , 6, 100546-100553	3.7	3
32	Facile synthesis of biomass-derived hierarchical porous carbon microbeads for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 2231-2240	2.6	18
31	Electrochemical performance of fulvic acid-based electrospun hard carbon nanofibers as promising anodes for sodium-ion batteries. <i>Journal of Power Sources</i> , 2016 , 334, 170-178	8.9	38
30	Effect of reduction heat treatment in H ₂ atmosphere on structure and electrochemical properties of activated carbon. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 1437-1446	2.6	10
29	Influence of H ₂ reduction on lignin-based hard carbon performance in lithium ion batteries. <i>Electrochimica Acta</i> , 2015 , 176, 1352-1357	6.7	34
28	Fabrication of conductive carbonaceous spherical architecture from pitch by spray drying. <i>Chemical Engineering Science</i> , 2015 , 135, 109-116	4.4	14
27	Nanostructured SiO ₂ /C composites prepared via electrospinning and their electrochemical properties for lithium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 746, 62-67	4.1	48
26	Electrochemical behavior of lithium-rich layered oxide Li[Li _{0.23} Ni _{0.15} Mn _{0.62}]O ₂ cathode material for lithium-ion battery. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 1659-1669	2.6	7
25	Amphiphilic carbonaceous material-based hierarchical porous carbon aerogels for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 619-627	2.6	9

24	Hierarchical Tubular Structures Composed of Mn-Based Mixed Metal Oxide Nanoflakes with Enhanced Electrochemical Properties. <i>Advanced Functional Materials</i> , 2015 , 25, 5184-5189	15.6	116
23	Enhanced kinetic behaviors of LiMn _{0.5} Fe _{0.5} PO ₄ /C cathode material by Fe substitution and carbon coating. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 2943-2950	2.6	15
22	Nanoporous carbons from oxidized green needle coke for use in high performance supercapacitors. <i>New Carbon Materials</i> , 2015 , 30, 141-149	4.4	15
21	The morphology controlled synthesis of 3D networking LiFePO ₄ with multiwalled-carbon nanotubes for Li-ion batteries. <i>CrystEngComm</i> , 2014 , 16, 260-269	3.3	33
20	Design of nitrogen doped graphene grafted TiO ₂ hollow nanostructures with enhanced sodium storage performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12449-12458	13	60
19	Hierarchical porous carbon derived from sulfonated pitch for electrical double layer capacitors. <i>Journal of Power Sources</i> , 2014 , 252, 235-243	8.9	124
18	Lignin-based electrospun carbon nanofibrous webs as free-standing and binder-free electrodes for sodium ion batteries. <i>Journal of Power Sources</i> , 2014 , 272, 800-807	8.9	207
17	A method to observe the structure of the interface between mesocarbon microbeads and pitch. <i>Journal of Colloid and Interface Science</i> , 2014 , 426, 206-8	9.3	7
16	Humic acids-based hierarchical porous carbons as high-rate performance electrodes for symmetric supercapacitors. <i>Bioresource Technology</i> , 2014 , 163, 386-9	11	53
15	Preparation of mesoporous MgO-templated carbons from phenolic resin and their applications for electric double-layer capacitors. <i>Science Bulletin</i> , 2013 , 58, 992-997		8
14	Electrochemical performance of MCMB/(AC+LiFePO ₄) lithium-ion capacitors. <i>Science Bulletin</i> , 2013 , 58, 689-695		21
13	Characterization and electrochemical performance of activated carbon spheres prepared from potato starch by CO ₂ activation. <i>Journal of Porous Materials</i> , 2013 , 20, 15-20	2.4	12
12	Nanoporous carbon synthesised with coal tar pitch and its capacitive performance. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9498	13	56
11	Spherical hard carbon prepared from potato starch using as anode material for Li-ion batteries. <i>Materials Letters</i> , 2011 , 65, 3368-3370	3.3	63
10	Preparation of mesoporous carbons from amphiphilic carbonaceous material for high-performance electric double-layer capacitors. <i>Journal of Power Sources</i> , 2011 , 196, 550-558	8.9	76
9	Microwave absorption studies of the planar equiangular spiral antenna array/epoxy resin composites. <i>Journal of Materials Science</i> , 2009 , 44, 2427-2429	4.3	
8	Studies on the performances of silica aerogel electrodes for the application of supercapacitor. <i>Ionics</i> , 2009 , 15, 561-565	2.7	13
7	Supercapacitor Devices Based on Graphene Materials. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 13103-13107	3.1	2018

6	Structure and surface elemental state analysis of polyimide resin film after carbonization and graphitization. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 1852-1856	2.9	30
5	Adsorption of PtCl ₆ ²⁻ anions on the surface of carbon black. <i>Reaction Kinetics and Catalysis Letters</i> , 2006 , 88, 51-56		2
4	Reducing the microcracks of mesophase-pitch-based carbon foams by long-time-coking method. <i>Journal of Materials Science</i> , 2006 , 41, 6100-6102	4.3	4
3	Application of SEM to detect the structure of mesocarbon microbeads. <i>Journal of Materials Science</i> , 2005 , 40, 2055-2057	4.3	5
2	Study of amorphous Ni-La-B/g-Al ₂ O ₃ catalysts for the production of hydrogen peroxide from carbon monoxide, water and oxygen. <i>Reaction Kinetics and Catalysis Letters</i> , 2005 , 85, 73-78		4
1	Effect of surface oxygen groups of the supports on platinum dispersion in Pt/C catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 2005 , 86, 135-139		2