

Xuecheng Chen

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132
papers

4,266
citations

36
h-index

59
g-index

141
ext. papers

5,153
ext. citations

6.5
avg, IF

5.83
L-index

#	Paper	IF	Citations
132	Synthesis, dispersion, and cytocompatibility of graphene oxide and reduced graphene oxide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 89, 79-85	6	298
131	Graphene-based materials for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13907-13943	13.43	189
130	Synthesis of multiwalled carbon nanotubes by catalytic combustion of polypropylene. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1517-20	16.4	175
129	Converting real-world mixed waste plastics into porous carbon nanosheets with excellent performance in the adsorption of an organic dye from wastewater. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 341-351	13	117
128	Facile Deposition of Pd Nanoparticles on Carbon Nanotube Microparticles and Their Catalytic Activity for Suzuki Coupling Reactions. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 8172-8176	3.8	110
127	Synthesis, Growth Mechanism, and Electrochemical Properties of Hollow Mesoporous Carbon Spheres with Controlled Diameter. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 17717-17724	3.8	109
126	Recent progress in controlled carbonization of (waste) polymers. <i>Progress in Polymer Science</i> , 2019 , 94, 1-32	29.6	105
125	Biomass-derived robust three-dimensional porous carbon for high volumetric performance supercapacitors. <i>Journal of Power Sources</i> , 2019 , 412, 1-9	8.9	100
124	Selective preparation of biomass-derived porous carbon with controllable pore sizes toward highly efficient CO ₂ capture. <i>Chemical Engineering Journal</i> , 2019 , 360, 250-259	14.7	95
123	Catalyzing Carbonization of Polypropylene Itself by Supported Nickel Catalyst during Combustion of Polypropylene/Clay Nanocomposite for Improving Fire Retardancy. <i>Chemistry of Materials</i> , 2005 , 17, 2799-2802	9.6	93
122	Catalytic carbonization of polypropylene by the combined catalysis of activated carbon with Ni ₂ O ₃ into carbon nanotubes and its mechanism. <i>Applied Catalysis A: General</i> , 2012 , 449, 112-120	5.1	86
121	Synergistic effect of nickel formate on the thermal and flame-retardant properties of polypropylene. <i>Polymer International</i> , 2005 , 54, 904-908	3.3	79
120	Sustainable Conversion of Mixed Plastics into Porous Carbon Nanosheets with High Performances in Uptake of Carbon Dioxide and Storage of Hydrogen. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 2837-2844	8.3	73
119	Application of hollow mesoporous carbon nanospheres as an high effective adsorbent for the fast removal of acid dyes from aqueous solutions. <i>Chemical Engineering Journal</i> , 2013 , 228, 824-833	14.7	70
118	Chemical and magnetic functionalization of graphene oxide as a route to enhance its biocompatibility. <i>Nanoscale Research Letters</i> , 2014 , 9, 656	5	61
117	Effect of Cl/Ni molar ratio on the catalytic conversion of polypropylene into CuNi/C composites and their application in catalyzing Click reaction. <i>Applied Catalysis B: Environmental</i> , 2012 , 117-118, 185-193	21.8	61
116	A facile approach to prepare porous cup-stacked carbon nanotube with high performance in adsorption of methylene blue. <i>Journal of Colloid and Interface Science</i> , 2015 , 445, 195-204	9.3	60

115	Nanosized carbon black combined with Ni ₂ O ₃ as "universal" catalysts for synergistically catalyzing carbonization of polyolefin wastes to synthesize carbon nanotubes and application for supercapacitors. <i>Environmental Science & Technology</i> , 2014 , 48, 4048-55	10.3	60
114	Striking influence of Fe ₂ O ₃ on the catalytic carbonization of chlorinated poly(vinyl chloride) into carbon microspheres with high performance in the photo-degradation of Congo red. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5247	13	59
113	CVD generated mesoporous hollow carbon spheres as supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 396, 246-250	5.1	58
112	Upcycling Waste Polypropylene into Graphene Flakes on Organically Modified Montmorillonite. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 4173-4181	3.9	57
111	Catalytic carbonization of polypropylene into cup-stacked carbon nanotubes with high performances in adsorption of heavy metallic ions and organic dyes. <i>Chemical Engineering Journal</i> , 2014 , 248, 27-40	14.7	56
110	Effect of the added amount of organically-modified montmorillonite on the catalytic carbonization of polypropylene into cup-stacked carbon nanotubes. <i>Chemical Engineering Journal</i> , 2013 , 225, 798-808	14.7	56
109	Constructing multifunctional nanofiller with reactive interface in PLA/CB-g-DOPO composites for simultaneously improving flame retardancy, electrical conductivity and mechanical properties. <i>Composites Science and Technology</i> , 2020 , 188, 107988	8.6	56
108	Magnetic silica nanotubes: synthesis, drug release, and feasibility for magnetic hyperthermia. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2303-9	9.5	55
107	Pd nanoparticles with tunable diameter deposited on carbon nanotubes with enhanced hydrogen storage capacity. <i>Energy</i> , 2014 , 75, 549-554	7.9	54
106	Low-cost nitrogen-doped activated carbon prepared by polyethylenimine (PEI) with a convenient method for supercapacitor application. <i>Electrochimica Acta</i> , 2019 , 294, 183-191	6.7	54
105	Catalytic conversion of linear low density polyethylene into carbon nanomaterials under the combined catalysis of Ni ₂ O ₃ and poly(vinyl chloride). <i>Chemical Engineering Journal</i> , 2013 , 215-216, 339-347	14.7	53
104	Synthesis and photocatalytic performance of TiO ₂ nanospheres/graphene nanocomposite under visible and UV light irradiation. <i>Journal of Materials Science</i> , 2012 , 47, 3185-3190	4.3	50
103	Striking influence of chain structure of polyethylene on the formation of cup-stacked carbon nanotubes/carbon nanofibers under the combined catalysis of CuBr and NiO. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 592-601	21.8	47
102	Converting mixed plastics into mesoporous hollow carbon spheres with controllable diameter. <i>Applied Catalysis B: Environmental</i> , 2014 , 152-153, 289-299	21.8	44
101	Synthesis, characterization and growth mechanism of mesoporous hollow carbon nanospheres by catalytic carbonization of polystyrene. <i>Microporous and Mesoporous Materials</i> , 2013 , 176, 31-40	5.3	41
100	From polystyrene waste to porous carbon flake and potential application in supercapacitor. <i>Waste Management</i> , 2019 , 85, 333-340	8.6	41
99	Large-scale converting waste coffee grounds into functional carbon materials as high-efficient adsorbent for organic dyes. <i>Bioresource Technology</i> , 2019 , 272, 92-98	11	41
98	Hierarchical porous carbon materials from nanosized metal-organic complex for high-performance symmetrical supercapacitor. <i>Electrochimica Acta</i> , 2018 , 269, 580-589	6.7	40

97	Mass production of hierarchically porous carbon nanosheets by carbonizing "real-world" mixed waste plastics toward excellent-performance supercapacitors. <i>Waste Management</i> , 2019 , 87, 691-700	8.6	39
96	New easy way preparation of core/shell structured SnO ₂ @carbon spheres and application for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012 , 216, 475-481	8.9	35
95	Three dimensional graphene/carbonized metal-organic frameworks based high-performance supercapacitor. <i>Carbon</i> , 2020 , 157, 55-63	10.4	35
94	Novel in situ fabrication of chestnut-like carbon nanotube spheres from polypropylene and nickel formate. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 21684-9	3.4	34
93	One-pot synthesis of core/shell Co@C spheres by catalytic carbonization of mixed plastics and their application in the photo-degradation of Congo red. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7461-7470 ¹³		33
92	Combination of fumed silica with carbon black for simultaneously improving the thermal stability, flame retardancy and mechanical properties of polyethylene. <i>Polymer</i> , 2014 , 55, 2998-3007	3.9	33
91	Transforming polystyrene waste into 3D hierarchically porous carbon for high-performance supercapacitors. <i>Chemosphere</i> , 2020 , 253, 126755	8.4	32
90	In situ deposition of Pd nanoparticles with controllable diameters in hollow carbon spheres for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 16179-16184	6.7	31
89	Effect of nanosized carbon black on thermal stability and flame retardancy of polypropylene/carbon nanotubes nanocomposites. <i>Polymers for Advanced Technologies</i> , 2013 , 24, 971-977 ²²		31
88	Co-etching effect to convert waste polyethylene terephthalate into hierarchical porous carbon toward excellent capacitive energy storage. <i>Science of the Total Environment</i> , 2020 , 723, 138055	10.2	30
87	Synergistic effect of fumed silica with Ni ₂ O ₃ on improving flame retardancy of poly(lactic acid). <i>Polymer Degradation and Stability</i> , 2014 , 104, 18-27	4.7	29
86	Pd supported ordered mesoporous hollow carbon spheres (OMHCS) for hydrogen storage. <i>Chemical Physics Letters</i> , 2016 , 647, 14-19	2.5	29
85	Expanded graphite assistant construction of gradient-structured char layer in PBS/Mg(OH) ₂ composites for improving flame retardancy, thermal stability and mechanical properties. <i>Composites Part B: Engineering</i> , 2019 , 177, 107402	10	27
84	Synergistic effect of activated carbon and Ni ₂ O ₃ in promoting the thermal stability and flame retardancy of polypropylene. <i>Polymer Degradation and Stability</i> , 2014 , 99, 18-26	4.7	27
83	Template method synthesis of mesoporous carbon spheres and its applications as supercapacitors. <i>Nanoscale Research Letters</i> , 2012 , 7, 269	5	27
82	Synthesis of Multiwalled Carbon Nanotubes by Catalytic Combustion of Polypropylene. <i>Angewandte Chemie</i> , 2005 , 117, 1541-1544	3.6	27
81	Large-Scale and Low-Cost Motivation of Nitrogen-Doped Commercial Activated Carbon for High-Energy-Density Supercapacitor. <i>ACS Applied Energy Materials</i> , 2019 , 2, 4234-4243	6.1	26
80	Enhancement of the structure stability of MOF-5 confined to multiwalled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2664-2668	1.3	26

79	Carbon-nanotube-based stimuli-responsive controlled-release system. <i>Chemistry - A European Journal</i> , 2011 , 17, 4454-9	4.8	25
78	Synthesis of carbon nanotubes and nanospheres with controlled morphology using different catalyst precursors. <i>Nanotechnology</i> , 2008 , 19, 325607	3.4	25
77	High yield conversion of biowaste coffee grounds into hierarchical porous carbon for superior capacitive energy storage. <i>Scientific Reports</i> , 2020 , 10, 3518	4.9	24
76	Highly efficient conversion of waste plastic into thin carbon nanosheets for superior capacitive energy storage. <i>Carbon</i> , 2021 , 171, 819-828	10.4	24
75	Hierarchical porous carbon sheets derived on a MgO template for high-performance supercapacitor applications. <i>Nanotechnology</i> , 2019 , 30, 295703	3.4	23
74	Sustainable recycling of waste polystyrene into hierarchical porous carbon nanosheets with potential applications in supercapacitors. <i>Nanotechnology</i> , 2020 , 31, 035402	3.4	23
73	Beaded structured CNTs-Fe ₃ O ₄ @C with low Fe ₃ O ₄ content as anode materials with extra enhanced performances in lithium ion batteries. <i>RSC Advances</i> , 2015 , 5, 28864-28869	3.7	22
72	Striking influence of NiO catalyst diameter on the carbonization of polypropylene into carbon nanomaterials and their high performance in the adsorption of oils. <i>RSC Advances</i> , 2014 , 4, 33806-33814	3.7	22
71	Porous carbon nanosheet with high surface area derived from waste poly(ethylene terephthalate) for supercapacitor applications. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48338	2.9	22
70	A novel stiffener skeleton strategy in catalytic carbonization system with enhanced carbon layer structure and improved fire retardancy. <i>Composites Science and Technology</i> , 2018 , 164, 82-91	8.6	22
69	Catalytic Carbonization of Chlorinated Poly(vinyl chloride) Microfibers into Carbon Microfibers with High Performance in the Photodegradation of Congo Red. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 17016-17023	3.8	21
68	Facile synthesis of porous iron oxide/graphene hybrid nanocomposites and potential application in electrochemical energy storage. <i>New Journal of Chemistry</i> , 2017 , 41, 13553-13559	3.6	20
67	A general approach towards carbonization of plastic waste into a well-designed 3D porous carbon framework for super lithium-ion batteries. <i>Chemical Communications</i> , 2020 , 56, 9142-9145	5.8	20
66	Simultaneously improving the thermal stability, flame retardancy and mechanical properties of polyethylene by the combination of graphene with carbon black. <i>RSC Advances</i> , 2014 , 4, 33776-33784	3.7	20
65	Effect of iron oxide impregnated in hollow carbon sphere as symmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017 , 726, 466-473	5.7	20
64	Nitrogen-Doped Porous Graphene-Based Aerogels toward Efficient Heavy Metal Ion Adsorption and Supercapacitor Applications. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020 , 14, 1900534	2.5	19
63	Core/shell structured silica spheres with controllable thickness of mesoporous shell and its adsorption, drug storage and release properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 428, 79-85	5.1	18
62	Synergistic effect of nanoscale carbon black and ammonium polyphosphate on improving thermal stability and flame retardancy of polypropylene: A reactive network for strengthening carbon layer. <i>Composites Part B: Engineering</i> , 2019 , 174, 107038	10	17

61	Novel strategy for preparation of highly porous carbon sheets derived from polystyrene for supercapacitors. <i>Diamond and Related Materials</i> , 2019 , 95, 5-13	3.5	17
60	Electrochemical characteristics of discrete, uniform, and monodispersed hollow mesoporous carbon spheres in double-layered supercapacitors. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2627-33	4.5	17
59	Multi-wall carbon nanotubes as a vehicle for targeted Irinotecan drug delivery. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2673-2677	1.3	17
58	Interconnected nanoporous carbon structure delivering enhanced mass transport and conductivity toward exceptional performance in supercapacitor. <i>Journal of Power Sources</i> , 2019 , 435, 226811	8.9	16
57	Poly(vinyl alcohol)/GO-MMT nanocomposites: Preparation, structure and properties. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015 , 33, 329-338	3.5	16
56	Controllable Synthesis of 3D Hollow-Carbon-Spheres/Graphene-Flake Hybrid Nanostructures from Polymer Nanocomposite by Self-Assembly and Feasibility for Lithium-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 874-879	3.1	15
55	Effect of particle size on the flame retardancy of poly(butylene succinate)/Mg(OH) ₂ composites. <i>Fire and Materials</i> , 2016 , 40, 1090-1096	1.8	15
54	Controllable Carbonization of Plastic Waste into Three-Dimensional Porous Carbon Nanosheets by Combined Catalyst for High Performance Capacitor. <i>Nanomaterials</i> , 2020 , 10,	5.4	14
53	Superstable magnetic nanoreactors with high efficiency for Suzuki-coupling reactions. <i>Nanoscale</i> , 2014 , 6, 12884-9	7.7	14
52	Nanoconfinement induced formation of core/shell structured mesoporous carbon spheres coated with solid carbon shell. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 3042-7	9.5	14
51	Deep insight into the pore size distribution of N-doped porous carbon materials on electrochemical energy storage and CO ₂ sorption. <i>Diamond and Related Materials</i> , 2020 , 105, 107802	3.5	14
50	Na ₃ PO ₄ assistant dispersion of nano-CaCO ₃ template to enhance electrochemical interface: N/O/P co-doped porous carbon hybrids towards high-performance flexible supercapacitors. <i>Composites Part B: Engineering</i> , 2020 , 199, 108256	10	14
49	Formation of ultra-small Mn ₃ O ₄ nanoparticles trapped in nanochannels of hollow carbon spheres by nanoconfinement with excellent supercapacitor performance. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 13675-13683	6.7	13
48	Antibacterial performance of nanocrystalline titania confined in mesoporous silica nanotubes. <i>Biomedical Microdevices</i> , 2014 , 16, 449-58	3.7	12
47	One-Step Synergistic Effect to Produce Two-Dimensional N-Doped Hierarchical Porous Carbon Nanosheets for High-Performance Flexible Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020 , 3, 8562-8572	6.1	12
46	Multifunctional nitrogen-doped nanoporous carbons derived from metal-organic frameworks for efficient CO ₂ storage and high-performance lithium-ion batteries. <i>New Journal of Chemistry</i> , 2019 , 43, 10405-10412	3.6	11
45	Evaluation of Nanoporous Carbon Synthesized from Direct Carbonization of a Metal-Organic Complex as a Highly Effective Dye Adsorbent and Supercapacitor. <i>Nanomaterials</i> , 2019 , 9,	5.4	11
44	Nitrogen-doped porous carbon embedded with cobalt nanoparticles for excellent oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2019 , 546, 344-350	9.3	11

43	Synergistic effect of carbon fibers and carbon nanotubes on improving thermal stability and flame retardancy of polypropylene: a combination of a physical network and chemical crosslinking. <i>RSC Advances</i> , 2015 , 5, 5484-5493	3.7	11
42	Cobalt/Carbon Nanocomposite as Oxygen Evolution Reaction Electrocatalyst. <i>ChemElectroChem</i> , 2018 , 5, 2681-2685	4.3	11
41	Sustainable polylysine conversion to nitrogen-containing porous carbon flakes: Potential application in supercapacitors. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 48214	2.9	11
40	Reactive construction of catalytic carbonization system in PP/C60/Ni(OH) ₂ nanocomposites for simultaneously improving thermal stability, flame retardancy and mechanical properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 129, 105722	8.4	11
39	From Hollow to Solid Carbon Spheres: Time-Dependent Facile Synthesis. <i>Nanomaterials</i> , 2018 , 8,	5.4	11
38	Mechanism of MxOy nanoparticles/CNTs for catalytic carbonization of polyethylene and application to flame retardancy. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45233	2.9	10
37	Upcycle waste plastics to magnetic carbon materials for dye adsorption from polluted water. <i>RSC Advances</i> , 2014 , 4, 26817	3.7	10
36	Striking Influence about HZSM-5 Content and Nickel Catalyst on Catalytic Carbonization of Polypropylene and Polyethylene into Carbon Nanomaterials. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 15578-15588	3.9	10
35	Eucalyptus derived heteroatom-doped hierarchical porous carbons as electrode materials in supercapacitors. <i>Scientific Reports</i> , 2020 , 10, 14631	4.9	10
34	Nanosized carbon black as synergist in PP/POE-MA/IFR system for simultaneously improving thermal, electrical and mechanical properties. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 1091-1098	4.1	10
33	The in situ construction of three-dimensional core-shell-structured TiO ₂ @PPy/rGO nanocomposites for improved supercapacitor electrode performance. <i>New Journal of Chemistry</i> , 2021 , 45, 1092-1099	3.6	10
32	Hollow carbon spheres loaded with uniform dispersion of copper oxide nanoparticles for anode in lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 853, 156700	5.7	10
31	Improved performance in lithium ion battery of CNT-Fe ₃ O ₄ @graphene induced by three-dimensional structured construction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 612, 126014	5.1	9
30	Porous nanopeapod Pd catalyst with excellent stability and efficiency. <i>Chemical Communications</i> , 2017 , 53, 740-742	5.8	8
29	Well-Designed Porous Graphene Flakes for Lithium-Ion Batteries with Outstanding Rate Performance. <i>Langmuir</i> , 2019 , 35, 12613-12619	4	8
28	Ultrathin NiO confined within hollow carbon sphere for efficient electrochemical energy storage. <i>Journal of Alloys and Compounds</i> , 2019 , 797, 702-709	5.7	8
27	Fabrication method of parallel mesoporous carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 377, 150-155	5.1	8
26	Study of the Active Carbon from Used Coffee Grounds as the Active Material for a High-Temperature Stable Supercapacitor with Ionic-Liquid Electrolyte. <i>Materials</i> , 2020 , 13,	3.5	8

25	Three-dimensional porous carbon with big cavities and hierarchical pores derived from leek for superior electrochemical capacitive energy storage. <i>Diamond and Related Materials</i> , 2019 , 98, 107522	3.5	7
24	Branched Poly(L-lysine)-Derived Nitrogen-Containing Porous Carbon Flake as the Metal-Free Electrocatalyst toward Efficient Oxygen Reduction Reaction. <i>ACS Applied Energy Materials</i> , 2021 , 4, 3317-3326	6.1	7
23	Preparation of Fe ₃ O ₄ @polypyrrole composite materials for asymmetric supercapacitor applications. <i>New Journal of Chemistry</i> , 2021 , 45, 16011-16018	3.6	7
22	Symmetric Supercapacitors Based on MnOOH-Coated Nanoporous Carbon toward High Energy-Storage Performance. <i>ChemElectroChem</i> , 2019 , 6, 2302-2307	4.3	6
21	New insights into the role of lattice oxygen in the catalytic carbonization of polypropylene into high value-added carbon nanomaterials. <i>New Journal of Chemistry</i> , 2015 , 39, 962-971	3.6	6
20	Nitrogen/Oxygen Enriched Hierarchical Porous Carbons Derived from Waste Peanut Shells Boosting Performance of Supercapacitors. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000450	6.4	6
19	Synthesis of Polylysine/Silica Hybrids through Branched-Polylysine-Mediated Biosilicification. <i>ACS Omega</i> , 2018 , 3, 17573-17580	3.9	6
18	One-pot green mass production of hierarchically porous carbon via a recyclable salt-templating strategy. <i>Green Energy and Environment</i> , 2020 ,	5.7	5
17	Facile synthesis of hollow silica spheres with nanoholes. <i>Dalton Transactions</i> , 2013 , 42, 6381-5	4.3	5
16	Preparation, structure and catalytic activity of Pt-Pd bimetallic nanoparticles on multi-walled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 3138-44	1.3	5
15	Insight into the Effect of ZIF-8 Particle Size on the Performance in Nanocarbon-Based Supercapacitors. <i>Chemistry - A European Journal</i> , 2020 , 26, 16328-16337	4.8	5
14	Mn ₃ O ₄ encapsulated in hollow carbon spheres coated by graphene layer for enhanced magnetization and lithium-ion batteries performance. <i>Energy</i> , 2021 , 217, 119399	7.9	5
13	Selective Synthesis of Magnetite Nanospheres with Controllable Morphologies on CNTs and Application to Lithium-Ion Batteries. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019 , 216, 1800924	1.6	4
12	MOLECULAR SIMULATIONS OF NEOCARZINOSTATIN CHROMOPHORE RELEASE MECHANISM. <i>Journal of Theoretical and Computational Chemistry</i> , 2012 , 11, 1357-1368	1.8	4
11	One-step converting biowaste wolfberry fruits into hierarchical porous carbon and its application for high-performance supercapacitors. <i>Renewable Energy</i> , 2022 , 185, 187-195	8.1	4
10	Creation of mesopores in carbon nanotubes with improved capacities for lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 25071-5	3.6	3
9	Molecular simulations study of ligand-release mechanism in an odorant-binding protein from the southern house mosquito. <i>Journal of Biomolecular Structure and Dynamics</i> , 2013 , 31, 485-94	3.6	2
8	Intumescent flame retardants inspired template-assistant synthesis of N/P dual-doped three-dimensional porous carbons for high-performance supercapacitors.. <i>Journal of Colloid and Interface Science</i> , 2022 , 613, 35-46	9.3	2

7	Effect of oleic acid on improving flame retardancy of brucite in low-density polyethylene composite. <i>Journal of Applied Polymer Science</i> , 51862	2.9	2
6	Investigation of the microstructure on the nanoporous carbon based capacitive performance. <i>Microporous and Mesoporous Materials</i> , 2021 , 310, 110629	5.3	2
5	Novel method controlled synthesis of silica coated carbon nanotubes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 462-465	1.6	1
4	Diverse-shaped tin dioxide nanoparticles within a plastic waste-derived three-dimensional porous carbon framework for super stable lithium-ion storage.. <i>Science of the Total Environment</i> , 2022 , 815, 152900	10.2	1
3	Flexible Films as Anode Materials Based on rGO and TiO ₂ /MnO ₂ in Li-Ion Batteries Free of Non-Active Agents. <i>Energies</i> , 2021 , 14, 8168	3.1	1
2	Porous silica matrix as an efficient strategy to boosted photocatalytic performance of titania/carbon composite. <i>Diamond and Related Materials</i> , 2022 , 125, 109027	3.5	1
1	Fabrication and characterization of a TiBs@MCN cable-like photocatalyst with high photocatalytic performance under visible light irradiation. <i>New Journal of Chemistry</i> , 2022 , 46, 6319-6329	3.6	0