

Yuan Chen

List of Publications by Year in descending order

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Version: 2024-02-01

275
papers

22,794
citations

9264

74
h-index

10445

139
g-index

283
all docs

283
docs citations

283
times ranked

27297
citing authors

#	ARTICLE	IF	CITATIONS
1	Axial chlorine coordinated iron-nitrogen-carbon single-atom catalysts for efficient electrochemical CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2022, 430, 132882.	12.7	51
2	A novel effect of PDLIM5 in $\alpha 7$ nicotinic acetylcholine receptor upregulation and surface expression. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 64.	5.4	4
3	Assemble 2D redox-active covalent organic framework/graphene hybrids as high-performance capacitive materials. <i>Carbon</i> , 2022, 190, 412-421.	10.3	24
4	Electrodes and electrocatalysts for electrochemical hydrogen peroxide sensors: a review of design strategies. <i>Nanoscale Horizons</i> , 2022, 7, 463-479.	8.0	25
5	How Is Cycle Life of Three-Dimensional Zinc Metal Anodes with Carbon Fiber Backbones Affected by Depth of Discharge and Current Density in Zinc-Ion Batteries?. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 12323-12330.	8.0	27
6	Graphitic carbon from catalytic methane decomposition as efficient conductive additives for zinc-carbon batteries. <i>Carbon</i> , 2022, 192, 84-92.	10.3	10
7	Bifunctional catalysts for heterogeneous electro-Fenton processes: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 3837-3859.	16.2	22
8	Toward Flexible Zinc-Ion Hybrid Capacitors with Superhigh Energy Density and Ultralong Cycling Life: The Pivotal Role of ZnCl ₂ Salt-Based Electrolytes. <i>Angewandte Chemie</i> , 2021, 133, 1003-1010.	2.0	130
9	Carbon nanotubes for flexible batteries: recent progress and future perspective. <i>National Science Review</i> , 2021, 8, nwaa261.	9.5	71
10	A review on lithium recovery using electrochemical capturing systems. <i>Desalination</i> , 2021, 500, 114883.	8.2	96
11	Recent Advances in Carbon Nanotube Utilizations in Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2004765.	14.9	37
12	Toward Flexible Zinc-Ion Hybrid Capacitors with Superhigh Energy Density and Ultralong Cycling Life: The Pivotal Role of ZnCl ₂ Salt-Based Electrolytes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 990-997.	13.8	215
13	One-Dimensional van der Waals Heterostructures as Efficient Metal-Free Oxygen Electrocatalysts. <i>ACS Nano</i> , 2021, 15, 3309-3319.	14.6	79
14	Make it stereoscopic: interfacial design for full-temperature adaptive flexible zinc-air batteries. <i>Energy and Environmental Science</i> , 2021, 14, 4926-4935.	30.8	108
15	Ionic liquid gating of single-walled carbon nanotube devices with ultra-short channel length down to 10 nm. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	5
16	Development and Validation of an LC-MS/MS Method for AC1LPSZG and Pharmacokinetics Application in Rats. <i>Journal of Chromatographic Science</i> , 2021, , .	1.4	1
17	3d Transition-Metal-Mediated Columbite Nanocatalysts for Decentralized Electrosynthesis of Hydrogen Peroxide. <i>Small</i> , 2021, 17, e2007249.	10.0	35
18	Hierarchical honeycomb graphene aerogels reinforced by carbon nanotubes with multifunctional mechanical and electrical properties. <i>Carbon</i> , 2021, 175, 312-321.	10.3	37

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19	Cobalt sulfide catalysts for single-walled carbon nanotube synthesis. <i>Diamond and Related Materials</i> , 2021, 114, 108288.	3.9	8
20	High-performance Fe-N-C electrocatalysts with a chain mail-protective shield. <i>Nano Materials Science</i> , 2021, 3, 420-428.	8.8	9
21	In vitro dissolution considerations associated with nano drug delivery systems. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021, 13, e1732.	6.1	19
22	Capacitive deionization of carbon spheres with a carbon shell derived from the quantum dots of urea-citric acid grown in situ. <i>Diamond and Related Materials</i> , 2021, 116, 108444.	3.9	3
23	High-energy-density aqueous sodium-ion batteries enabled by chromium hexacyanochromate anodes. <i>Chemical Engineering Journal</i> , 2021, 415, 129003.	12.7	17
24	Rechargeable zinc-air batteries with neutral electrolytes: Recent advances, challenges, and prospects. <i>EnergyChem</i> , 2021, 3, 100055.	19.1	59
25	Carbon composite membranes for thermal-driven membrane processes. <i>Carbon</i> , 2021, 179, 600-626.	10.3	12
26	Altered gut microbiome in FUT2 loss-of-function mutants in support of personalized medicine for inflammatory bowel diseases. <i>Journal of Genetics and Genomics</i> , 2021, 48, 771-780.	3.9	21
27	Synthesis of noble metal-based intermetallic electrocatalysts by space-confined pyrolysis: Recent progress and future perspective. <i>Journal of Energy Chemistry</i> , 2021, 60, 61-74.	12.9	30
28	The tripartite role of 2D covalent organic frameworks in graphene-based organic solvent nanofiltration membranes. <i>Matter</i> , 2021, 4, 2953-2969.	10.0	24
29	Foldable and scrollable graphene paper with tuned interlayer spacing as high areal capacity anodes for sodium-ion batteries. <i>Energy Storage Materials</i> , 2021, 41, 395-403.	18.0	28
30	N-doped carbon nanosheets assembled microspheres for more effective capacitive deionization. <i>Separation and Purification Technology</i> , 2021, 276, 119336.	7.9	8
31	Co-Fe-Cr (oxy)Hydroxides as Efficient Oxygen Evolution Reaction Catalysts. <i>Advanced Energy Materials</i> , 2021, 11, 2003412.	19.5	94
32	Thermo-osmosis-Coupled Thermally Regenerative Electrochemical Cycle for Efficient Lithium Extraction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6276-6285.	8.0	18
33	Degradation: A critical challenge for Mn-N-C electrocatalysts. <i>Journal of Energy Chemistry</i> , 2021, 63, 667-674.	12.9	21
34	Contact spacing controls the on-current for all-carbon field effect transistors. <i>Communications Physics</i> , 2021, 4, .	5.3	2
35	One-dimensional covalent organic framework-Carbon nanotube heterostructures for efficient capacitive energy storage. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	9
36	Prussian blue, its analogues and their derived materials for electrochemical energy storage and conversion. <i>Energy Storage Materials</i> , 2020, 25, 585-612.	18.0	181

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37	1D Supercapacitors for Emerging Electronics: Current Status and Future Directions. <i>Advanced Materials</i> , 2020, 32, e1902387.	21.0	158
38	A Flexible Rechargeable Zinc-Air Battery with Excellent Low-Temperature Adaptability. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4793-4799.	13.8	217
39	Low-Temperature Electroluminescence Excitation Mapping of Excitons and Trions in Short-Channel Monochiral Carbon Nanotube Devices. <i>ACS Nano</i> , 2020, 14, 2709-2717.	14.6	19
40	Pressure-retarded membrane distillation for simultaneous hypersaline brine desalination and low-grade heat harvesting. <i>Journal of Membrane Science</i> , 2020, 597, 117765.	8.2	29
41	Thiocyanate-Modified Silver Nanofoam for Efficient CO ₂ Reduction to CO. <i>ACS Catalysis</i> , 2020, 10, 1444-1453.	11.2	51
42	Interfacial engineering of graphenic carbon electrodes by antimicrobial polyhexamethylene guanidine hydrochloride for ultrasensitive bacterial detection. <i>Carbon</i> , 2020, 159, 185-194.	10.3	11
43	Octahedral Coordinated Trivalent Cobalt Enriched Multimetal Oxygen-Evolution Catalysts. <i>Advanced Energy Materials</i> , 2020, 10, 2002593.	19.5	47
44	2D Material Based Advanced Membranes for Separations in Organic Solvents. <i>Small</i> , 2020, 16, e2003400.	10.0	31
45	A graphene-covalent organic framework hybrid for high-performance supercapacitors. <i>Energy Storage Materials</i> , 2020, 32, 448-457.	18.0	103
46	Electrocatalytic hydrogen evolution under neutral pH conditions: current understandings, recent advances, and future prospects. <i>Energy and Environmental Science</i> , 2020, 13, 3185-3206.	30.8	225
47	Synthesis of (9,8) single-walled carbon nanotubes on CoSO ₄ /SiO ₂ catalysts: The effect of Co mass loadings. <i>Carbon</i> , 2020, 169, 288-296.	10.3	9
48	Structural transformation of highly active metal-organic framework electrocatalysts during the oxygen evolution reaction. <i>Nature Energy</i> , 2020, 5, 881-890.	39.5	647
49	Biomass-derived nanocarbon materials for biological applications: challenges and prospects. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9668-9678.	5.8	16
50	Intrinsic Activity of Metal Centers in Metal-Nitrogen-Carbon Single-Atom Catalysts for Hydrogen Peroxide Synthesis. <i>Journal of the American Chemical Society</i> , 2020, 142, 21861-21871.	13.7	163
51	Recent Progress of Carbon-Supported Single-Atom Catalysts for Energy Conversion and Storage. <i>Matter</i> , 2020, 3, 1442-1476.	10.0	196
52	Metallicity-Dependent Ultrafast Water Transport in Carbon Nanotubes. <i>Small</i> , 2020, 16, e1907575.	10.0	23
53	Zinc-Air Battery-Based Desalination Device. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25728-25735.	8.0	29
54	Dual-Template Pore Engineering of Whey Powder-Derived Carbon as an Efficient Oxygen Reduction Reaction Electrocatalyst for Primary Zinc-Air Battery. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1881-1889.	3.3	3

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55	Catalytic activity atlas of ternary Co-Fe-V metal oxides for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15951-15961.	10.3	43
56	MXene Materials for Designing Advanced Separation Membranes. <i>Advanced Materials</i> , 2020, 32, e1906697.	21.0	295
57	Hierarchically porous carbon nanofibers embedded with cobalt nanoparticles for efficient H ₂ O ₂ detection on multiple sensor platforms. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128243.	7.8	46
58	Viscosity sensitive near-infrared fluorescent probes based on functionalized single-walled carbon nanotubes. <i>Chemical Communications</i> , 2020, 56, 8301-8304.	4.1	11
59	Vanishing Hysteresis in Carbon Nanotube Transistors Embedded in Boron Nitride/Polytetrafluoroethylene Heterolayers. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000193.	2.4	5
60	The on-demand engineering of metal-doped porous carbon nanofibers as efficient bifunctional oxygen catalysts for high-performance flexible Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7297-7308.	10.3	41
61	Electronic Modulation of Nickel Disulfide toward Efficient Water Electrolysis. <i>Small</i> , 2020, 16, e1905885.	10.0	52
62	Core-shell structured graphene aerogels with multifunctional mechanical, thermal and electromechanical properties. <i>Carbon</i> , 2020, 162, 365-374.	10.3	23
63	Cardanol-derived cationic surfactants enabling the superior antibacterial activity of single-walled carbon nanotubes. <i>Nanotechnology</i> , 2020, 31, 265603.	2.6	6
64	Toward efficient and high rate sodium-ion storage: A new insight from dopant-defect interplay in textured carbon anode materials. <i>Energy Storage Materials</i> , 2020, 28, 55-63.	18.0	85
65	Carbon science perspective in 2020: Current research and future challenges. <i>Carbon</i> , 2020, 161, 373-391.	10.3	77
66	Naturally derived honeycomb-like N,S-codoped hierarchical porous carbon with MS ₂ (M =) Tj ETQq 0.0 rgBT / Overlock 10	5.6	76
67	Dysregulation of bile acids increases the risk for preterm birth in pregnant women. <i>Nature Communications</i> , 2020, 11, 2111.	12.8	21
68	Drying graphene hydrogel fibers for capacitive energy storage. <i>Carbon</i> , 2020, 164, 100-110.	10.3	43
69	Influence of graphene oxide lateral size on the properties and performances of forward osmosis membrane. <i>Desalination</i> , 2020, 484, 114421.	8.2	58
70	Graphene oxide laminates intercalated with 2D covalent-organic frameworks as a robust nanofiltration membrane. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9713-9725.	10.3	46
71	Landscape of gene expression variation of natural isolates of <i>Cryptococcus neoformans</i> in response to biologically relevant stresses. <i>Microbial Genomics</i> , 2020, 6, .	2.0	24
72	Flexible Zinc-Ion Hybrid Fiber Capacitors with Ultrahigh Energy Density and Long Cycling Life for Wearable Electronics. <i>Small</i> , 2019, 15, e1903817.	10.0	143

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73	Ultrathin nickel boride nanosheets anchored on functionalized carbon nanotubes as bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 764-774.	10.3	123
74	Synthesis of graphene materials by electrochemical exfoliation: Recent progress and future potential. <i>Journal of Materials Chemistry A</i> , 2019, 1, 173-199.		213
75	Defective crystalline molybdenum phosphides as bifunctional catalysts for hydrogen evolution and hydrazine oxidation reactions during water splitting. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2686-2695.	6.0	27
76	Genotypic diversity and clinical outcome of cryptococcosis in renal transplant recipients in Brazil. <i>Emerging Microbes and Infections</i> , 2019, 8, 119-129.	6.5	25
77	Biofilm-Templated Heteroatom-Doped Carbon-Palladium Nanocomposite Catalyst for Hexavalent Chromium Reduction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24018-24026.	8.0	24
78	Recent advances in nanomaterial-modified polyamide thin-film composite membranes for forward osmosis processes. <i>Journal of Membrane Science</i> , 2019, 584, 20-45.	8.2	128
79	Nanocarbon materials in water disinfection: state-of-the-art and future directions. <i>Nanoscale</i> , 2019, 11, 9819-9839.	5.6	35
80	Homogeneous, Heterogeneous, and Biological Catalysts for Electrochemical N_2 Reduction toward NH_3 under Ambient Conditions. <i>ACS Catalysis</i> , 2019, 9, 5245-5267.	11.2	145
81	A core-sheath holey graphene/graphite composite fiber intercalated with MoS ₂ nanosheets for high-performance fiber supercapacitors. <i>Electrochimica Acta</i> , 2019, 305, 493-501.	5.2	51
82	A review of rechargeable batteries for portable electronic devices. <i>Information Materials</i> , 2019, 1, 6-32.	17.3	694
83	The roles of metal-organic frameworks in modulating water permeability of graphene oxide-based carbon membranes. <i>Carbon</i> , 2019, 148, 277-289.	10.3	50
84	Tuning crystallization and morphology of zinc oxide with polyvinylpyrrolidone: Formation mechanisms and antimicrobial activity. <i>Journal of Colloid and Interface Science</i> , 2019, 546, 43-52.	9.4	30
85	Copper Sulfide Facilitates Hepatobiliary Clearance of Gold Nanoparticles through the Copper-Transporting ATPase ATP7B. <i>ACS Nano</i> , 2019, 13, 5720-5730.	14.6	24
86	High-Performance Partially Printed Hybrid CMOS Inverters Based on Indium-Zinc Oxide and Chirality Enriched Carbon Nanotube Thin-Film Transistors. <i>Advanced Electronic Materials</i> , 2019, 5, 1900034.	5.1	11
87	Pressure-retarded membrane distillation for low-grade heat recovery: The critical roles of pressure-induced membrane deformation. <i>Journal of Membrane Science</i> , 2019, 579, 90-101.	8.2	27
88	Big to Small: Ultrafine Mo ₂ C Particles Derived from Giant Polyoxomolybdate Clusters for Hydrogen Evolution Reaction. <i>Small</i> , 2019, 15, e1900358.	10.0	53
89	2D materials for 1D electrochemical energy storage devices. <i>Energy Storage Materials</i> , 2019, 19, 102-123.	18.0	71
90	Ultralow-platinum-loading nanocarbon hybrids for highly sensitive hydrogen peroxide detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 304-311.	7.8	27

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91	Enabling highly efficient, flexible and rechargeable quasi-solid-state zn-air batteries via catalyst engineering and electrolyte functionalization. <i>Energy Storage Materials</i> , 2019, 20, 234-242.	18.0	115
92	Cobalt Nanoparticles Confined in Carbon Cages Derived from Zeolitic Imidazolate Frameworks as Efficient Oxygen Electrocatalysts for Zinc-Air Batteries. <i>Batteries and Supercaps</i> , 2019, 2, 355-363.	4.7	16
93	Assembly of pi-functionalized quaternary ammonium compounds with graphene hydrogel for efficient water disinfection. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 149-158.	9.4	41
94	Cobalt Containing Zeolitic Imidazolate Framework Incorporated Electrospun Carbon Nanofibers As Free-Standing Film Sensor for Electrochemical Detection of Hydrogen Peroxide. <i>ECS Meeting Abstracts</i> , 2019, .	0.0	0
95	A carbon science perspective in 2018: Current achievements and future challenges. <i>Carbon</i> , 2018, 132, 785-801.	10.3	80
96	Graphene Materials in Antimicrobial Nanomedicine: Current Status and Future Perspectives. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701406.	7.6	166
97	Ultrafast hydrothermal assembly of nanocarbon microfibers in near-critical water for 3D microsupercapacitors. <i>Carbon</i> , 2018, 132, 698-708.	10.3	26
98	Antimicrobial graphene materials: the interplay of complex materials characteristics and competing mechanisms. <i>Biomaterials Science</i> , 2018, 6, 766-773.	5.4	37
99	Spray drying assisted synthesis of porous carbons from whey powders for capacitive energy storage. <i>Energy</i> , 2018, 147, 308-316.	8.8	15
100	Milk powder-derived bifunctional oxygen electrocatalysts for rechargeable Zn-air battery. <i>Energy Storage Materials</i> , 2018, 11, 134-143.	18.0	45
101	Dysregulation of $\hat{1}^{\text{4}}-3\text{-oxosteroid } \hat{5}^{\text{2}}\text{-reductase}$ in diabetic patients: Implications and mechanisms. <i>Molecular and Cellular Endocrinology</i> , 2018, 470, 127-141.	3.2	18
102	Selective synthesis of single walled carbon nanotubes on metal (iron, nickel or cobalt) sulfate-based catalysts. <i>Carbon</i> , 2018, 129, 128-136.	10.3	21
103	Metal-free bifunctional carbon electrocatalysts derived from zeolitic imidazolate frameworks for efficient water splitting. <i>Materials Chemistry Frontiers</i> , 2018, 2, 102-111.	5.9	57
104	Recent Advances in Materials and Design of Electrochemically Rechargeable Zinc-Air Batteries. <i>Small</i> , 2018, 14, e1801929.	10.0	192
105	Polycondensation of a Perylene Bisimide Derivative and L-Malic Acid as Water-Soluble Conjugates for Fluorescent Labeling of Live Mammalian Cells. <i>Polymers</i> , 2018, 10, 559.	4.5	9
106	Nano- RuO_2 -Decorated Holey Graphene Composite Fibers for Micro-Supercapacitors with Ultrahigh Energy Density. <i>Small</i> , 2018, 14, e1800582.	10.0	113
107	Hypoxia-targeted gold nanorods for cancer photothermal therapy. <i>Oncotarget</i> , 2018, 9, 26556-26571.	1.8	24
108	A hierarchically porous nickel-copper phosphide nano-foam for efficient electrochemical splitting of water. <i>Nanoscale</i> , 2017, 9, 4401-4408.	5.6	110

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109	Controlling water transport in carbon nanotubes. <i>Nano Today</i> , 2017, 14, 13-15.	11.9	30
110	Hydrothermal assembly of micro-nano-integrated core-sheath carbon fibers for high-performance all-carbon micro-supercapacitors. <i>Energy Storage Materials</i> , 2017, 9, 221-228.	18.0	34
111	Synthesis and biological evaluations of chalcones, flavones and chromenes as farnesoid x receptor (FXR) antagonists. <i>European Journal of Medicinal Chemistry</i> , 2017, 129, 303-309.	5.5	15
112	Population genomics and the evolution of virulence in the fungal pathogen <i>Cryptococcus neoformans</i> . <i>Genome Research</i> , 2017, 27, 1207-1219.	5.5	134
113	Microevolution of Serial Clinical Isolates of <i>Cryptococcus neoformans</i> var. <i>grubii</i> and <i>C. Gattii</i> . <i>MBio</i> , 2017, 8, .	4.1	69
114	Hydrogen evolution reaction activity of nickel phosphide is highly sensitive to electrolyte pH. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20390-20397.	10.3	98
115	Exploring the upper limit of single-walled carbon nanotube purity by multiple-cycle aqueous two-phase separation. <i>Nanoscale</i> , 2017, 9, 11640-11646.	5.6	28
116	Novel Poly(l-lactide)/graphene oxide films with improved mechanical flexibility and antibacterial activity. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 344-352.	9.4	33
117	Amorphous Bimetallic Oxide-Graphene Hybrids as Bifunctional Oxygen Electrocatalysts for Rechargeable Zn-Air Batteries. <i>Advanced Materials</i> , 2017, 29, 1701410.	21.0	243
118	Tracing Genetic Exchange and Biogeography of <i>Cryptococcus neoformans</i> var. <i>grubii</i> at the Global Population Level. <i>Genetics</i> , 2017, 207, 327-346.	2.9	105
119	Efficient, Cost-Effective, High-Throughput, Multilocus Sequencing Typing (MLST) Method, NGMLST, and the Analytical Software Program MLSTEZ. <i>Methods in Molecular Biology</i> , 2017, 1492, 197-202.	0.9	4
120	Differential Feedback Regulation of 4-3-Oxosteroid 5-Reductase Expression by Bile Acids. <i>PLoS ONE</i> , 2017, 12, e0170960.	2.5	6
121	(Invited) Space-Confined Assembly of All-Carbon Hybrid Fibers for Capacitive Energy Storage. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
122	Transcriptome analysis of different developmental stages of amphioxus reveals dynamic changes of distinct classes of genes during development. <i>Scientific Reports</i> , 2016, 6, 23195.	3.3	17
123	Sandwich-Architected Poly(lactic acid)-Graphene Composite Food Packaging Films. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9994-10004.	8.0	146
124	Probing the Diameter Limit of Single Walled Carbon Nanotubes in SWCNT: Fullerene Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1600890.	19.5	50
125	Carbon nanomaterials for advancing separation membranes: A strategic perspective. <i>Carbon</i> , 2016, 109, 694-710.	10.3	189
126	Bacterial physiology is a key modulator of the antibacterial activity of graphene oxide. <i>Nanoscale</i> , 2016, 8, 17181-17189.	5.6	42

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127	“Smart poisoning” of Co/SiO ₂ catalysts by sulfidation for chirality-selective synthesis of (9,8) single-walled carbon nanotubes. <i>Nanoscale</i> , 2016, 8, 17705-17713.	5.6	32
128	Synergism of Water Shock and a Biocompatible Block Copolymer Potentiates the Antibacterial Activity of Graphene Oxide. <i>Small</i> , 2016, 12, 951-962.	10.0	30
129	Microbe-derived carbon materials for electrical energy storage and conversion. <i>Journal of Energy Chemistry</i> , 2016, 25, 191-198.	12.9	44
130	Space-confined assembly of all-carbon hybrid fibers for capacitive energy storage: realizing a built-to-order concept for micro-supercapacitors. <i>Energy and Environmental Science</i> , 2016, 9, 611-622.	30.8	94
131	Textile energy storage: Structural design concepts, material selection and future perspectives. <i>Energy Storage Materials</i> , 2016, 3, 123-139.	18.0	128
132	Perylene bisimide-incorporated water-soluble polyurethanes for living cell fluorescence labeling. <i>Polymer</i> , 2016, 82, 172-180.	3.8	14
133	Metatranscriptomic Study of Common and Host-Specific Patterns of Gene Expression between Pines and Their Symbiotic Ectomycorrhizal Fungi in the Genus <i>Suillus</i> . <i>PLoS Genetics</i> , 2016, 12, e1006348.	3.5	82
134	Independent origins of diploidy in <i>Metarhizium</i> . <i>Mycologia</i> , 2016, 108, 1091-1103.	1.9	11
135	Comparative analyses of clinical and environmental populations of <i>Cryptococcus neoformans</i> in <i>Botswana</i> . <i>Molecular Ecology</i> , 2015, 24, 3559-3571.	3.9	61
136	Bolometric-Effect-Based Wavelength-Selective Photodetectors Using Sorted Single Chirality Carbon Nanotubes. <i>Scientific Reports</i> , 2015, 5, 17883.	3.3	20
137	RNA-seq Reveals Complicated Transcriptomic Responses to Drought Stress in a Nonmodel Tropic Plant, <i>Bombax ceiba</i> L.. <i>Evolutionary Bioinformatics</i> , 2015, 11s1, EBO.S20620.	1.2	14
138	RNA: An Expanding View of Function and Evolution. <i>Evolutionary Bioinformatics</i> , 2015, 11s1, EBO.S38105.	1.2	0
139	All-Carbon Nanoarchitectures as High-Performance Separation Membranes with Superior Stability. <i>Advanced Functional Materials</i> , 2015, 25, 7348-7359.	14.9	248
140	Transforming Pristine Carbon Fiber Tows into High Performance Solid-State Fiber Supercapacitors. <i>Advanced Materials</i> , 2015, 27, 4895-4901.	21.0	193
141	(9,8) Single-Walled Carbon Nanotube Enrichment via Aqueous Two-Phase Separation and Their Thin-Film Transistor Applications. <i>Advanced Electronic Materials</i> , 2015, 1, 1500151.	5.1	23
142	<i>E. coli</i> -derived carbon with nitrogen and phosphorus dual functionalities for oxygen reduction reaction. <i>Catalysis Today</i> , 2015, 249, 228-235.	4.4	18
143	Next generation multilocus sequence typing (NGMLST) and the analytical software program MLSTEZ enable efficient, cost-effective, high-throughput, multilocus sequencing typing. <i>Fungal Genetics and Biology</i> , 2015, 75, 64-71.	2.1	34
144	A narrow-bandgap benzobisthiadiazole derivative with high near-infrared photothermal conversion efficiency and robust photostability for cancer therapy. <i>Chemical Communications</i> , 2015, 51, 4223-4226.	4.1	45

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145	Ternary Hybrids of Amorphous Nickel Hydroxideâ€“Carbon Nanotubeâ€“Conducting Polymer for Supercapacitors with High Energy Density, Excellent Rate Capability, and Long Cycle Life. <i>Advanced Functional Materials</i> , 2015, 25, 1063-1073.	14.9	288
146	A high-performance metal-free hydrogen-evolution reaction electrocatalyst from bacterium derived carbon. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7210-7214.	10.3	75
147	All-carbon solid-state yarn supercapacitors from activated carbon and carbon fibers for smart textiles. <i>Materials Horizons</i> , 2015, 2, 598-605.	12.2	120
148	Nickel hydroxideâ€“carbon nanotube nanocomposites as supercapacitor electrodes: crystallinity dependent performances. <i>Nanotechnology</i> , 2015, 26, 314003.	2.6	15
149	Sulfur-induced chirality changes in single-walled carbon nanotube synthesis by ethanol chemical vapor deposition on a Co/SiO ₂ catalyst. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3310-3319.	10.3	26
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