

Yuan Chen

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.

271 papers	16,619 citations	65 h-index	120 g-index
283 ext. papers	19,813 ext. citations	10.1 avg, IF	6.83 L-index

#	Paper	IF	Citations
271	Assemble 2D redox-active covalent organic framework/graphene hybrids as high-performance capacitive materials. <i>Carbon</i> , 2022 , 190, 412-421	10.4	3
270	A novel effect of PDLIM5 in α 7 nicotinic acetylcholine receptor upregulation and surface expression.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 64	10.3	0
269	Axial chlorine coordinated iron-nitrogen-carbon single-atom catalysts for efficient electrochemical CO2 reduction. <i>Chemical Engineering Journal</i> , 2022 , 430, 132882	14.7	8
268	Graphitic carbon from catalytic methane decomposition as efficient conductive additives for zinc-carbon batteries. <i>Carbon</i> , 2022 , 192, 84-92	10.4	0
267	One-dimensional covalent organic framework/carbon nanotube heterostructures for efficient capacitive energy storage. <i>Applied Physics Letters</i> , 2021 , 119, 211905	3.4	1
266	Degradation: A critical challenge for MnO ₂ electrocatalysts. <i>Journal of Energy Chemistry</i> , 2021 ,	12	4
265	3d Transition-Metal-Mediated Columbite Nanocatalysts for Decentralized Electrosynthesis of Hydrogen Peroxide. <i>Small</i> , 2021 , 17, e2007249	11	7
264	Hierarchical honeycomb graphene aerogels reinforced by carbon nanotubes with multifunctional mechanical and electrical properties. <i>Carbon</i> , 2021 , 175, 312-321	10.4	9
263	Cobalt sulfide catalysts for single-walled carbon nanotube synthesis. <i>Diamond and Related Materials</i> , 2021 , 114, 108288	3.5	2
262	High-performance Fe ₃ O ₄ electrocatalysts with a chain mail-protective shield. <i>Nano Materials Science</i> , 2021 , 3, 420-420	10.2	0
261	In vitro dissolution considerations associated with nano drug delivery systems. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021 , 13, e1732	9.2	4
260	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	3.5	0
259	High-energy-density aqueous sodium-ion batteries enabled by chromium hexacyanochromate anodes. <i>Chemical Engineering Journal</i> , 2021 , 415, 129003	14.7	0
258	Rechargeable zinc-air batteries with neutral electrolytes: Recent advances, challenges, and prospects. <i>EnergyChem</i> , 2021 , 3, 100055	36.9	16
257	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	3.6	12
256	Carbon nanotubes for flexible batteries: recent progress and future perspective. <i>National Science Review</i> , 2021 , 8, nwaa261	10.8	17
255	A review on lithium recovery using electrochemical capturing systems. <i>Desalination</i> , 2021 , 500, 114883	10.3	27

254	Recent Advances in Carbon Nanotube Utilizations in Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021 , 31, 2004765	15.6	14
253	Toward Flexible Zinc-Ion Hybrid Capacitors with Superhigh Energy Density and Ultralong Cycling Life: The Pivotal Role of ZnCl Salt-Based Electrolytes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 990-997	16.4	75
252	One-Dimensional van der Waals Heterostructures as Efficient Metal-Free Oxygen Electrocatalysts. <i>ACS Nano</i> , 2021 , 15, 3309-3319	16.7	32
251	Make it stereoscopic: interfacial design for full-temperature adaptive flexible zinc-ion batteries. <i>Energy and Environmental Science</i> , 2021 , 14, 4926-4935	35.4	29
250	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, 063101	3.4	2
249	Carbon composite membranes for thermal-driven membrane processes. <i>Carbon</i> , 2021 , 179, 600-626	10.4	1
248	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	4	0
247	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	10
246	The tripartite role of 2D covalent organic frameworks in graphene-based organic solvent nanofiltration membranes. <i>Matter</i> , 2021 , 4, 2953-2969	12.7	5
245	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	19.4	12
244	N-doped carbon nanosheets assembled microspheres for more effective capacitive deionization. <i>Separation and Purification Technology</i> , 2021 , 276, 119336	8.3	1
243	CoFeNi (oxy)Hydroxides as Efficient Oxygen Evolution Reaction Catalysts. <i>Advanced Energy Materials</i> , 2021 , 11, 2003412	21.8	24
242	Thermo-osmosis-Coupled Thermally Regenerative Electrochemical Cycle for Efficient Lithium Extraction. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 6276-6285	9.5	6
241	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	16.4	48
240	Recent Progress of Carbon-Supported Single-Atom Catalysts for Energy Conversion and Storage. <i>Matter</i> , 2020 , 3, 1442-1476	12.7	103
239	Metallicity-Dependent Ultrafast Water Transport in Carbon Nanotubes. <i>Small</i> , 2020 , 16, e1907575	11	11
238	Zinc-Air Battery-Based Desalination Device. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 25728-25735	9.5	13
237	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	4.5	1

236	Catalytic activity atlas of ternary CoFeV metal oxides for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 15951-15961	13	14
235	MXene Materials for Designing Advanced Separation Membranes. <i>Advanced Materials</i> , 2020 , 32, e1906627	10.4	103
234	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	8.5	25
233	Viscosity sensitive near-infrared fluorescent probes based on functionalized single-walled carbon nanotubes. <i>Chemical Communications</i> , 2020 , 56, 8301-8304	5.8	6
232	Vanishing Hysteresis in Carbon Nanotube Transistors Embedded in Boron Nitride/Polytetrafluoroethylene Heterolayers. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020 , 14, 2000193	2.5	2
231	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	13	28
230	Electronic Modulation of Nickel Disulfide toward Efficient Water Electrolysis. <i>Small</i> , 2020 , 16, e1905885	11	31
229	Core-shell structured graphene aerogels with multifunctional mechanical, thermal and electromechanical properties. <i>Carbon</i> , 2020 , 162, 365-374	10.4	8
228	Cardanol-derived cationic surfactants enabling the superior antibacterial activity of single-walled carbon nanotubes. <i>Nanotechnology</i> , 2020 , 31, 265603	3.4	3
227	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	19.4	41
226	Carbon science perspective in 2020: Current research and future challenges. <i>Carbon</i> , 2020 , 161, 373-391	10.4	35
225	Naturally derived honeycomb-like N,S-codoped hierarchical porous carbon with MS (M = Co, Ni) decoration for high-performance Li-S battery. <i>Nanoscale</i> , 2020 , 12, 5114-5124	7.7	43
224	Dysregulation of bile acids increases the risk for preterm birth in pregnant women. <i>Nature Communications</i> , 2020 , 11, 2111	17.4	7
223	Drying graphene hydrogel fibers for capacitive energy storage. <i>Carbon</i> , 2020 , 164, 100-110	10.4	25
222	Influence of graphene oxide lateral size on the properties and performances of forward osmosis membrane. <i>Desalination</i> , 2020 , 484, 114421	10.3	36
221	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	13	23
220	Landscape of gene expression variation of natural isolates of in response to biologically relevant stresses. <i>Microbial Genomics</i> , 2020 , 6,	4.4	12
219	A Flexible Rechargeable Zinc-Air Battery with Excellent Low-Temperature Adaptability. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4793-4799	16.4	103

218	Low-Temperature Electroluminescence Excitation Mapping of Excitons and Trions in Short-Channel Monochiral Carbon Nanotube Devices. <i>ACS Nano</i> , 2020 , 14, 2709-2717	16.7	11
217	Pressure-retarded membrane distillation for simultaneous hypersaline brine desalination and low-grade heat harvesting. <i>Journal of Membrane Science</i> , 2020 , 597, 117765	9.6	16
216	Thiocyanate-Modified Silver Nanofoam for Efficient CO ₂ Reduction to CO. <i>ACS Catalysis</i> , 2020 , 10, 1444-1453	14.5	29
215	Interfacial engineering of graphenic carbon electrodes by antimicrobial polyhexamethylene guanidine hydrochloride for ultrasensitive bacterial detection. <i>Carbon</i> , 2020 , 159, 185-194	10.4	6
214	Octahedral Coordinated Trivalent Cobalt Enriched Multimetal Oxygen-Evolution Catalysts. <i>Advanced Energy Materials</i> , 2020 , 10, 2002593	21.8	21
213	2D Material Based Advanced Membranes for Separations in Organic Solvents. <i>Small</i> , 2020 , 16, e200340011	11	11
212	A graphene-covalent organic framework hybrid for high-performance supercapacitors. <i>Energy Storage Materials</i> , 2020 , 32, 448-457	19.4	39
211	Electrocatalytic hydrogen evolution under neutral pH conditions: current understandings, recent advances, and future prospects. <i>Energy and Environmental Science</i> , 2020 , 13, 3185-3206	35.4	85
210	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	10.4	3
209	Structural transformation of highly active metal-organic framework electrocatalysts during the oxygen evolution reaction. <i>Nature Energy</i> , 2020 , 5, 881-890	62.3	280
208	Biomass-derived nanocarbon materials for biological applications: challenges and prospects. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 9668-9678	7.3	6
207	Prussian blue, its analogues and their derived materials for electrochemical energy storage and conversion. <i>Energy Storage Materials</i> , 2020 , 25, 585-612	19.4	100
206	1D Supercapacitors for Emerging Electronics: Current Status and Future Directions. <i>Advanced Materials</i> , 2020 , 32, e1902387	24	96
205	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	6.8	11
204	Genotypic diversity and clinical outcome of cryptococcosis in renal transplant recipients in Brazil. <i>Emerging Microbes and Infections</i> , 2019 , 8, 119-129	18.9	16
203	Biofilm-Templated Heteroatom-Doped Carbon-Palladium Nanocomposite Catalyst for Hexavalent Chromium Reduction. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24018-24026	9.5	22
202	Recent advances in nanomaterial-modified polyamide thin-film composite membranes for forward osmosis processes. <i>Journal of Membrane Science</i> , 2019 , 584, 20-45	9.6	80
201	Nanocarbon materials in water disinfection: state-of-the-art and future directions. <i>Nanoscale</i> , 2019 , 11, 9819-9839	7.7	28

200	Homogeneous, Heterogeneous, and Biological Catalysts for Electrochemical N ₂ Reduction toward NH ₃ under Ambient Conditions. <i>ACS Catalysis</i> , 2019 , 9, 5245-5267	13.1	101
199	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	6.7	36
198	A review of rechargeable batteries for portable electronic devices. <i>Information Materials</i> , 2019 , 1, 6-32	23.1	400
197	The roles of metal-organic frameworks in modulating water permeability of graphene oxide-based carbon membranes. <i>Carbon</i> , 2019 , 148, 277-289	10.4	28
196	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	9.3	17
195	Copper Sulfide Facilitates Hepatobiliary Clearance of Gold Nanoparticles through the Copper-Transporting ATPase ATP7B. <i>ACS Nano</i> , 2019 , 13, 5720-5730	16.7	13
194	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	6.4	9
193	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	9.6	20
192	Big to Small: Ultrafine Mo C Particles Derived from Giant Polyoxomolybdate Clusters for Hydrogen Evolution Reaction. <i>Small</i> , 2019 , 15, e1900358	11	35
191	2D materials for 1D electrochemical energy storage devices. <i>Energy Storage Materials</i> , 2019 , 19, 102-123	19.4	49
190	Flexible Zinc-Ion Hybrid Fiber Capacitors with Ultrahigh Energy Density and Long Cycling Life for Wearable Electronics. <i>Small</i> , 2019 , 15, e1903817	11	86
189	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	13	75
188	Synthesis of graphene materials by electrochemical exfoliation: Recent progress and future potential 2019 , 1, 173-199		109
187	Ultralow-platinum-loading nanocarbon hybrids for highly sensitive hydrogen peroxide detection. <i>Sensors and Actuators B: Chemical</i> , 2019 , 283, 304-311	8.5	20
186	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	19.4	71
185	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	5.6	10
184	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	9.3	26
183	A carbon science perspective in 2018: Current achievements and future challenges. <i>Carbon</i> , 2018 , 132, 785-801	10.4	59

182	Graphene Materials in Antimicrobial Nanomedicine: Current Status and Future Perspectives. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701406	10.1	130
181	Ultrafast hydrothermal assembly of nanocarbon microfibers in near-critical water for 3D microsupercapacitors. <i>Carbon</i> , 2018 , 132, 698-708	10.4	20
180	Antimicrobial graphene materials: the interplay of complex materials characteristics and competing mechanisms. <i>Biomaterials Science</i> , 2018 , 6, 766-773	7.4	28
179	Spray drying assisted synthesis of porous carbons from whey powders for capacitive energy storage. <i>Energy</i> , 2018 , 147, 308-316	7.9	13
178	Milk powder-derived bifunctional oxygen electrocatalysts for rechargeable Zn-air battery. <i>Energy Storage Materials</i> , 2018 , 11, 134-143	19.4	33
177	Dysregulation of 5 α -oxosteroid 5 β -reductase in diabetic patients: Implications and mechanisms. <i>Molecular and Cellular Endocrinology</i> , 2018 , 470, 127-141	4.4	13
176	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,	4.5	5
175	Nano-RuO ₂ -Decorated Holey Graphene Composite Fibers for Micro-Supercapacitors with Ultrahigh Energy Density. <i>Small</i> , 2018 , 14, e1800582	11	85
174	Hypoxia-targeted gold nanorods for cancer photothermal therapy. <i>Oncotarget</i> , 2018 , 9, 26556-26571	3.3	18
173	Selective synthesis of single walled carbon nanotubes on metal (iron, nickel or cobalt) sulfate-based catalysts. <i>Carbon</i> , 2018 , 129, 128-136	10.4	15
172	Metal-free bifunctional carbon electrocatalysts derived from zeolitic imidazolate frameworks for efficient water splitting. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 102-111	7.8	40
171	2018,		9
170	Recent Advances in Materials and Design of Electrochemically Rechargeable Zinc-Air Batteries. <i>Small</i> , 2018 , 14, e1801929	11	120
169	A hierarchically porous nickel-copper phosphide nano-foam for efficient electrochemical splitting of water. <i>Nanoscale</i> , 2017 , 9, 4401-4408	7.7	81
168	Controlling water transport in carbon nanotubes. <i>Nano Today</i> , 2017 , 14, 13-15	17.9	26
167	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	19.4	26
166	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	6.8	11
165	Population genomics and the evolution of virulence in the fungal pathogen. <i>Genome Research</i> , 2017 , 27, 1207-1219	9.7	85

164	Microevolution of Serial Clinical Isolates of var. and. <i>MBio</i> , 2017 , 8,	7.8	44
163	Hydrogen evolution reaction activity of nickel phosphide is highly sensitive to electrolyte pH. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20390-20397	13	71
162	Exploring the upper limit of single-walled carbon nanotube purity by multiple-cycle aqueous two-phase separation. <i>Nanoscale</i> , 2017 , 9, 11640-11646	7.7	19
161	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	9.3	25
160	Amorphous Bimetallic Oxide-Graphene Hybrids as Bifunctional Oxygen Electrocatalysts for Rechargeable Zn-Air Batteries. <i>Advanced Materials</i> , 2017 , 29, 1701410	24	187
159	Tracing Genetic Exchange and Biogeography of var. at the Global Population Level. <i>Genetics</i> , 2017 , 207, 327-346	4	57
158	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	1.4	2
157	Differential Feedback Regulation of Δ -3-Oxosteroid 5 β -Reductase Expression by Bile Acids. <i>PLoS ONE</i> , 2017 , 12, e0170960	3.7	5
156	Carbon nanomaterials for advancing separation membranes: A strategic perspective. <i>Carbon</i> , 2016 , 109, 694-710	10.4	148
155	Bacterial physiology is a key modulator of the antibacterial activity of graphene oxide. <i>Nanoscale</i> , 2016 , 8, 17181-17189	7.7	30
154	"Smart poisoning" of Co/SiO catalysts by sulfidation for chirality-selective synthesis of (9,8) single-walled carbon nanotubes. <i>Nanoscale</i> , 2016 , 8, 17705-17713	7.7	26
153	Synergism of Water Shock and a Biocompatible Block Copolymer Potentiates the Antibacterial Activity of Graphene Oxide. <i>Small</i> , 2016 , 12, 951-62	11	26
152	Microbe-derived carbon materials for electrical energy storage and conversion. <i>Journal of Energy Chemistry</i> , 2016 , 25, 191-198	12	37
151	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	35.4	88
150	Textile energy storage: Structural design concepts, material selection and future perspectives. <i>Energy Storage Materials</i> , 2016 , 3, 123-139	19.4	109
149	Perylene bisimide-incorporated water-soluble polyurethanes for living cell fluorescence labeling. <i>Polymer</i> , 2016 , 82, 172-180	3.9	10
148	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 ⁶		32
147	Independent origins of diploidy in <i>Metarhizium</i> . <i>Mycologia</i> , 2016 , 108, 1091-1103	2.4	7

146	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	4.9	11
145	Sandwich-Architected Poly(lactic acid)-Graphene Composite Food Packaging Films. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9994-10004	9.5	105
144	Probing the Diameter Limit of Single Walled Carbon Nanotubes in SWCNT: Fullerene Solar Cells. <i>Advanced Energy Materials</i> , 2016 , 6, 1600890	21.8	46
143	A high-performance metal-free hydrogen-evolution reaction electrocatalyst from bacterium derived carbon. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 7210-7214	13	63
142	All-carbon solid-state yarn supercapacitors from activated carbon and carbon fibers for smart textiles. <i>Materials Horizons</i> , 2015 , 2, 598-605	14.4	98
141	Nickel hydroxide-carbon nanotube nanocomposites as supercapacitor electrodes: crystallinity dependent performances. <i>Nanotechnology</i> , 2015 , 26, 314003	3.4	13
140	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	13	24
139	Impact of Sublethal Levels of Single-Wall Carbon Nanotubes on Pyoverdine Production in <i>Pseudomonas aeruginosa</i> and Its Environmental Implications. <i>Environmental Science and Technology Letters</i> , 2015 , 2, 105-111	11	16
138	Estrogen and Estrogen Receptor-Mediated Transrepression of Bile Salt Export Pump. <i>Molecular Endocrinology</i> , 2015 , 29, 613-26		30
137	Outbred genome sequencing and CRISPR/Cas9 gene editing in butterflies. <i>Nature Communications</i> , 2015 , 6, 8212	17.4	111
136	Genome Evolution and Innovation across the Four Major Lineages of <i>Cryptococcus gattii</i> . <i>MBio</i> , 2015 , 6, e00868-15	7.8	70
135	Graphene oxide as effective selective barriers on a hollow fiber membrane for water treatment process. <i>Journal of Membrane Science</i> , 2015 , 474, 244-253	9.6	178
134	Emergence of fiber supercapacitors. <i>Chemical Society Reviews</i> , 2015 , 44, 647-62	58.5	433
133	Synthesis of free-standing carbon nanohybrid by directly growing carbon nanotubes on air-sprayed graphene oxide paper and its application in supercapacitor. <i>Journal of Solid State Chemistry</i> , 2015 , 224, 45-51	3.3	16
132	Catalysts for chirality selective synthesis of single-walled carbon nanotubes. <i>Carbon</i> , 2015 , 81, 1-19	10.4	92
131	Comparative analyses of clinical and environmental populations of <i>Cryptococcus neoformans</i> in Botswana. <i>Molecular Ecology</i> , 2015 , 24, 3559-71	5.7	38
130	Bolometric-Effect-Based Wavelength-Selective Photodetectors Using Sorted Single Chirality Carbon Nanotubes. <i>Scientific Reports</i> , 2015 , 5, 17883	4.9	16
129	RNA-seq Reveals Complicated Transcriptomic Responses to Drought Stress in a Nonmodel Tropic Plant, <i>Bombax ceiba</i> L. <i>Evolutionary Bioinformatics</i> , 2015 , 11, 27-37	1.9	12

128	RNA: An Expanding View of Function and Evolution. <i>Evolutionary Bioinformatics</i> , 2015 , 11, 77-9	1.9	
127	All-Carbon Nanoarchitectures as High-Performance Separation Membranes with Superior Stability. <i>Advanced Functional Materials</i> , 2015 , 25, 7348-7359	15.6	195
126	Transforming Pristine Carbon Fiber Tows into High Performance Solid-State Fiber Supercapacitors. <i>Advanced Materials</i> , 2015 , 27, 4895-901	24	176
125	(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	6.4	19
124	E. coli-derived carbon with nitrogen and phosphorus dual functionalities for oxygen reduction reaction. <i>Catalysis Today</i> , 2015 , 249, 228-235	5.3	12
123	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	3.9	27
122	A narrow-bandgap benzobisthiadiazole derivative with high near-infrared photothermal conversion efficiency and robust photostability for cancer therapy. <i>Chemical Communications</i> , 2015 , 51, 4223-6	5.8	38
121	Ternary Hybrids of Amorphous Nickel Hydroxide/Carbon Nanotube-Conducting Polymer for Supercapacitors with High Energy Density, Excellent Rate Capability, and Long Cycle Life. <i>Advanced Functional Materials</i> , 2015 , 25, 1063-1073	15.6	264
120	Mechanical reinforcement of polyethylene using n-alkyl group-functionalized multiwalled carbon nanotubes: Effect of alkyl group carbon chain length and density. <i>Polymer Engineering and Science</i> , 2014 , 54, 336-344	2.3	5
119	Low-dose chemotherapy of hepatocellular carcinoma through triggered-release from bilayer-decorated magnetoliposomes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 116, 452-8	6	36
118	Extraction of (9,8) single-walled carbon nanotubes by fluorene-based polymers. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 868-77	4.5	14
117	Transcriptional dynamics of bile salt export pump during pregnancy: mechanisms and implications in intrahepatic cholestasis of pregnancy. <i>Hepatology</i> , 2014 , 60, 1993-2007	11.2	64
116	Scalable synthesis of hierarchically structured carbon nanotube-graphene fibres for capacitive energy storage. <i>Nature Nanotechnology</i> , 2014 , 9, 555-62	28.7	1161
115	Increase in the yield of (and selective synthesis of large-diameter) single-walled carbon nanotubes through water-assisted ethanol pyrolysis. <i>Journal of Catalysis</i> , 2014 , 309, 419-427	7.3	15
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2 Population genomics and the evolution of virulence in the fungal pathogen *Cryptococcus neoformans* 1

1 Bifunctional catalysts for heterogeneous electro-Fenton processes: a review. *Environmental Chemistry Letters*, 13, 3 1