

Yuan Chen

List of Publications by Year in descending order

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274
papers

22,361
citations

10351

72
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10424

139
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276
all docs

276
docs citations

276
times ranked

25877
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial Activity of Graphite, Graphite Oxide, Graphene Oxide, and Reduced Graphene Oxide: Membrane and Oxidative Stress. <i>ACS Nano</i> , 2011, 5, 6971-6980.	7.3	2,384
2	Scalable synthesis of hierarchically structured carbon nanotube-graphene fibres for capacitive energy storage. <i>Nature Nanotechnology</i> , 2014, 9, 555-562.	15.6	1,312
3	A review of rechargeable batteries for portable electronic devices. <i>Informa-Materials</i> , 2019, 1, 6-32.	8.5	694
4	Structural transformation of highly active metal-organic framework electrocatalysts during the oxygen evolution reaction. <i>Nature Energy</i> , 2020, 5, 881-890.	19.8	647
5	Lateral Dimension-Dependent Antibacterial Activity of Graphene Oxide Sheets. <i>Langmuir</i> , 2012, 28, 12364-12372.	1.6	498
6	Emergence of fiber supercapacitors. <i>Chemical Society Reviews</i> , 2015, 44, 647-662.	18.7	498
7	Sharper and Faster "Nano Darts" Kill More Bacteria: A Study of Antibacterial Activity of Individually Dispersed Pristine Single-Walled Carbon Nanotube. <i>ACS Nano</i> , 2009, 3, 3891-3902.	7.3	493
8	Nanomaterials-based photothermal therapy and its potentials in antibacterial treatment. <i>Journal of Controlled Release</i> , 2020, 328, 251-262.	4.8	325
9	Toward the Extraction of Single Species of Single-Walled Carbon Nanotubes Using Fluorene-Based Polymers. <i>Nano Letters</i> , 2007, 7, 3013-3017.	4.5	314
10	MXene Materials for Designing Advanced Separation Membranes. <i>Advanced Materials</i> , 2020, 32, e1906697.	11.1	295
11	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.	7.8	288
12	High-Purity Separation of Gold Nanoparticle Dimers and Trimers. <i>Journal of the American Chemical Society</i> , 2009, 131, 4218-4219.	6.6	267
13	Carbon science in 2016: Status, challenges and perspectives. <i>Carbon</i> , 2016, 98, 708-732.	5.4	261
14	All-Carbon Nanoarchitectures as High-Performance Separation Membranes with Superior Stability. <i>Advanced Functional Materials</i> , 2015, 25, 7348-7359.	7.8	248
15	Controlled Functionalization of Carbonaceous Fibers for Asymmetric Solid-State Micro-Supercapacitors with High Volumetric Energy Density. <i>Advanced Materials</i> , 2014, 26, 6790-6797.	11.1	243
16	Amorphous Bimetallic Oxide-Graphene Hybrids as Bifunctional Oxygen Electrocatalysts for Rechargeable Zn-Air Batteries. <i>Advanced Materials</i> , 2017, 29, 1701410.	11.1	243
17	Electrocatalytic hydrogen evolution under neutral pH conditions: current understandings, recent advances, and future prospects. <i>Energy and Environmental Science</i> , 2020, 13, 3185-3206.	15.6	225
18	Hollow Fiber Membrane Decorated with Ag/MWNTs: Toward Effective Water Disinfection and Biofouling Control. <i>ACS Nano</i> , 2011, 5, 10033-10040.	7.3	217

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19	A Flexible Rechargeable Zinc-Air Battery with Excellent Low-Temperature Adaptability. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4793-4799.	7.2	217
20	Toward Flexible Zn-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.	7.2	215
21	Synthesis of graphene materials by electrochemical exfoliation: Recent progress and future potential. <i>Graphene</i> , 2019, 1, 173-199.		213
22	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.	4.1	211
23	Incorporation of Single-Wall Carbon Nanotubes into an Organic Polymer Monolithic Stationary Phase for HPLC and Capillary Electrochromatography. <i>Analytical Chemistry</i> , 2005, 77, 1398-1406.	3.2	199
24	Recent Progress of Carbon-Supported Single-Atom Catalysts for Energy Conversion and Storage. <i>Matter</i> , 2020, 3, 1442-1476.	5.0	196
25	Transforming Pristine Carbon Fiber Tows into High Performance Solid-State Fiber Supercapacitors. <i>Advanced Materials</i> , 2015, 27, 4895-4901.	11.1	193
26	Recent Advances in Materials and Design of Electrochemically Rechargeable Zinc-Air Batteries. <i>Small</i> , 2018, 14, e1801929.	5.2	192
27	Carbon nanomaterials for advancing separation membranes: A strategic perspective. <i>Carbon</i> , 2016, 109, 694-710.	5.4	189
28	(n,m) Selectivity of Single-Walled Carbon Nanotubes by Different Carbon Precursors on Co-Mo Catalysts. <i>Journal of the American Chemical Society</i> , 2007, 129, 9014-9019.	6.6	184
29	Prussian blue, its analogues and their derived materials for electrochemical energy storage and conversion. <i>Energy Storage Materials</i> , 2020, 25, 585-612.	9.5	181
30	Graphene Materials in Antimicrobial Nanomedicine: Current Status and Future Perspectives. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701406.	3.9	166
31	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.	6.6	163
32	Deposition of Silver Nanoparticles on Multiwalled Carbon Nanotubes Grafted with Hyperbranched Poly(amidoamine) and Their Antimicrobial Effects. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18754-18759.	1.5	161
33	1D Supercapacitors for Emerging Electronics: Current Status and Future Directions. <i>Advanced Materials</i> , 2020, 32, e1902387.	11.1	158
34	Nitrogen doped holey graphene as an efficient metal-free multifunctional electrochemical catalyst for hydrazine oxidation and oxygen reduction. <i>Nanoscale</i> , 2013, 5, 3457.	2.8	154
35	Antibacterial action of dispersed single-walled carbon nanotubes on <i>Escherichia coli</i> and <i>Bacillus subtilis</i> investigated by atomic force microscopy. <i>Nanoscale</i> , 2010, 2, 2744.	2.8	153
36	Using oxidation to increase the electrical conductivity of carbon nanotube electrodes. <i>Carbon</i> , 2009, 47, 1867-1870.	5.4	152

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37	Epitaxial Growth of CdS Nanoparticle on Bi ₂ S ₃ Nanowire and Photocatalytic Application of the Heterostructure. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13968-13976.	1.5	149
38	Sandwich-Architected Poly(lactic acid)-Graphene Composite Food Packaging Films. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9994-10004.	4.0	146
39	Synthesis and Characterization of Highly Ordered Co ²⁺ /MCM-41 for Production of Aligned Single Walled Carbon Nanotubes (SWNT). <i>Journal of Physical Chemistry B</i> , 2003, 107, 11048-11056.	1.2	145
40	Homogeneous, Heterogeneous, and Biological Catalysts for Electrochemical N ₂ Reduction toward NH ₃ under Ambient Conditions. <i>ACS Catalysis</i> , 2019, 9, 5245-5267.	5.5	145
41	Flexible Zinc-Ion Hybrid Fiber Capacitors with Ultrahigh Energy Density and Long Cycling Life for Wearable Electronics. <i>Small</i> , 2019, 15, e1903817.	5.2	143
42	Uniform-Diameter Single-Walled Carbon Nanotubes Catalytically Grown in Cobalt-Incorporated MCM-41. <i>Journal of Physical Chemistry B</i> , 2004, 108, 503-507.	1.2	138
43	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.	1.6	130
44	Textile energy storage: Structural design concepts, material selection and future perspectives. <i>Energy Storage Materials</i> , 2016, 3, 123-139.	9.5	128
45	Recent advances in nanomaterial-modified polyamide thin-film composite membranes for forward osmosis processes. <i>Journal of Membrane Science</i> , 2019, 584, 20-45.	4.1	128
46	Immobilization of heparin/poly-L-lysine nanoparticles on dopamine-coated surface to create a heparin density gradient for selective direction of platelet and vascular cells behavior. <i>Acta Biomaterialia</i> , 2014, 10, 1940-1954.	4.1	126
47	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.	5.2	123
48	Nickel-grafted TUD-1 mesoporous catalysts for carbon dioxide reforming of methane. <i>Applied Catalysis B: Environmental</i> , 2010, 95, 374-382.	10.8	122
49	All-carbon solid-state yarn supercapacitors from activated carbon and carbon fibers for smart textiles. <i>Materials Horizons</i> , 2015, 2, 598-605.	6.4	120
50	Selective Synthesis of (9,8) Single Walled Carbon Nanotubes on Cobalt Incorporated TUD-1 Catalysts. <i>Journal of the American Chemical Society</i> , 2010, 132, 16747-16749.	6.6	119
51	How carboxylic groups improve the performance of single-walled carbon nanotube electrochemical capacitors?. <i>Energy and Environmental Science</i> , 2011, 4, 4220.	15.6	119
52	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.	9.5	115
53	NiO ₂ -Decorated Holey Graphene Composite Fibers for Micro-Supercapacitors with Ultrahigh Energy Density. <i>Small</i> , 2018, 14, e1800582.	5.2	113
54	A hierarchically porous nickel-copper phosphide nano-foam for efficient electrochemical splitting of water. <i>Nanoscale</i> , 2017, 9, 4401-4408.	2.8	110

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55	Make it stereoscopic: interfacial design for full-temperature adaptive flexible zinc-air batteries. <i>Energy and Environmental Science</i> , 2021, 14, 4926-4935.	15.6	108
56	Catalysts for chirality selective synthesis of single-walled carbon nanotubes. <i>Carbon</i> , 2015, 81, 1-19.	5.4	106
57	Synthesis of uniform diameter single-wall carbon nanotubes in Co-MCM-41: effects of the catalyst prereduction and nanotube growth temperatures. <i>Journal of Catalysis</i> , 2004, 225, 453-465.	3.1	105
58	Specific and reversible immobilization of NADH oxidase on functionalized carbon nanotubes. <i>Journal of Biotechnology</i> , 2010, 150, 57-63.	1.9	105
59	A graphene-covalent organic framework hybrid for high-performance supercapacitors. <i>Energy Storage Materials</i> , 2020, 32, 448-457.	9.5	103
60	Individually Dispersing Single-Walled Carbon Nanotubes with Novel Neutral pH Water-Soluble Chitosan Derivatives. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7579-7587.	1.5	102
61	Fabrication of novel functionalized multi-walled carbon nanotube immobilized hollow fiber membranes for enhanced performance in forward osmosis process. <i>Journal of Membrane Science</i> , 2013, 446, 244-254.	4.1	102
62	Chiral-Selective CoSO ₄ /SiO ₂ Catalyst for (9,8) Single-Walled Carbon Nanotube Growth. <i>ACS Nano</i> , 2013, 7, 614-626.	7.3	101
63	Covalent immobilization of nisin on multi-walled carbon nanotubes: superior antimicrobial and anti-biofilm properties. <i>Nanoscale</i> , 2011, 3, 1874.	2.8	100
64	Hydrogen evolution reaction activity of nickel phosphide is highly sensitive to electrolyte pH. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20390-20397.	5.2	98
65	A review on lithium recovery using electrochemical capturing systems. <i>Desalination</i> , 2021, 500, 114883.	4.0	96
66	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.	15.6	94
67	Co-Fe-Cr (oxy)Hydroxides as Efficient Oxygen Evolution Reaction Catalysts. <i>Advanced Energy Materials</i> , 2021, 11, 2003412.	10.2	94
68	Synthesis and Characterization of Highly Ordered Ni-MCM-41 Mesoporous Molecular Sieves. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13237-13246.	1.2	90
69	Differentiation of Gas Molecules Using Flexible and All-Carbon Nanotube Devices. <i>Journal of Physical Chemistry C</i> , 2008, 112, 650-653.	1.5	85
70	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.	9.5	85
71	A carbon science perspective in 2018: Current achievements and future challenges. <i>Carbon</i> , 2018, 132, 785-801.	5.4	80
72	One-Dimensional van der Waals Heterostructures as Efficient Metal-Free Oxygen Electrocatalysts. <i>ACS Nano</i> , 2021, 15, 3309-3319.	7.3	79

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73	Carbon science perspective in 2020: Current research and future challenges. <i>Carbon</i> , 2020, 161, 373-391.	5.4	77
74	A high-performance metal-free hydrogen-evolution reaction electrocatalyst from bacterium derived carbon. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7210-7214.	5.2	75
75	Ethanol-Assisted Graphene Oxide-Based Thin Film Formation at Pentane/Water Interface. <i>Langmuir</i> , 2011, 27, 9174-9181.	1.6	73
76	Pressure-Induced Single-Walled Carbon Nanotube (<i>n,m</i>) Selectivity on Co-Mo Catalysts. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14612-14616.	1.5	72
77	2D materials for 1D electrochemical energy storage devices. <i>Energy Storage Materials</i> , 2019, 19, 102-123.	9.5	71
78	Carbon nanotubes for flexible batteries: recent progress and future perspective. <i>National Science Review</i> , 2021, 8, nwaa261.	4.6	71
79	Synthesis of uniform diameter single wall carbon nanotubes in BCo-MCM-41: effects of CO pressure and reaction time. <i>Journal of Catalysis</i> , 2004, 226, 351-362.	3.1	66
80	The effect of the cobalt loading on the growth of single wall carbon nanotubes by CO disproportionation on Co-MCM-41 catalysts. <i>Carbon</i> , 2006, 44, 67-78.	5.4	64
81	Toward High-Performance Solution-Processed Carbon Nanotube Network Transistors by Removing Nanotube Bundles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12089-12091.	1.5	64
82	Mesostructured SBA-16 with excellent hydrothermal, thermal and mechanical stabilities: Modified synthesis and its catalytic application. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 317-323.	5.0	62
83	Facile fabrication of Pt-Ag bimetallic nanoparticles decorated reduced graphene oxide for highly sensitive non-enzymatic hydrogen peroxide sensing. <i>Talanta</i> , 2016, 159, 280-286.	2.9	62
84	Enhancing the Thermostability of <i>Rhizomucor miehei</i> Lipase with a Limited Screening Library by Rational-Design Point Mutations and Disulfide Bonds. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	61
85	Effect of different catalyst supports on the (<i>n,m</i>) selective growth of single-walled carbon nanotube from Co-Mo catalyst. <i>Journal of Materials Science</i> , 2009, 44, 3285-3295.	1.7	60
86	Potentials of nanotechnology in treatment of methicillin-resistant <i>Staphylococcus aureus</i> . <i>European Journal of Medicinal Chemistry</i> , 2021, 213, 113056.	2.6	60
87	The Mechanism of Single-Walled Carbon Nanotube Growth and Chirality Selection Induced by Carbon Atom and Dimer Addition. <i>ACS Nano</i> , 2010, 4, 939-946.	7.3	59
88	Rechargeable zinc-air batteries with neutral electrolytes: Recent advances, challenges, and prospects. <i>EnergyChem</i> , 2021, 3, 100055.	10.1	59
89	Influence of graphene oxide lateral size on the properties and performances of forward osmosis membrane. <i>Desalination</i> , 2020, 484, 114421.	4.0	58
90	Mechanism of Cobalt Cluster Size Control in Co-MCM-41 during Single-Wall Carbon Nanotubes Synthesis by CO Disproportionation. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15565-15571.	1.2	57

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91	Selective Enrichment of (6,5) and (8,3) Single-Walled Carbon Nanotubes via Cosurfactant Extraction from Narrow (<i>n</i>,<i>m</i>) Distribution Samples. <i>Journal of Physical Chemistry B</i> , 2008, 112, 2771-2774.	1.2	57
92	Metal-free bifunctional carbon electrocatalysts derived from zeolitic imidazolate frameworks for efficient water splitting. <i>Materials Chemistry Frontiers</i> , 2018, 2, 102-111.	3.2	57
93	A Flexible Rechargeable Zinc-Air Battery with Excellent Low-Temperature Adaptability. <i>Angewandte Chemie</i> , 2020, 132, 4823-4829.	1.6	57
94	Low-Defect, Purified, Narrowly (n,m)-Dispersed Single-Walled Carbon Nanotubes Grown from Cobalt-Incorporated MCM-41. <i>ACS Nano</i> , 2007, 1, 327-336.	7.3	56
95	Application of a novel redox-active electrolyte in MnO ₂ -based supercapacitors. <i>Science China Chemistry</i> , 2012, 55, 1319-1324.	4.2	56
96	Synthesis of tetrahedral Au-Pd core-shell nanocrystals and reduction of graphene oxide for the electrochemical detection of epinephrine. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 812-818.	5.0	56
97	Energy Transfer from Photo-Excited Fluorene Polymers to Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14946-14952.	1.5	54
98	Big to Small: Ultrafine Mo ₂ C Particles Derived from Giant Polyoxomolybdate Clusters for Hydrogen Evolution Reaction. <i>Small</i> , 2019, 15, e1900358.	5.2	53
99	Highly dispersed manganese oxide catalysts grafted on SBA-15: Synthesis, characterization and catalytic application in trans-stilbene epoxidation. <i>Microporous and Mesoporous Materials</i> , 2010, 132, 501-509.	2.2	52
100	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.	2.6	51
101	Solution-Processable Carbon Nanotubes for Semiconducting Thin-Film Transistor Devices. <i>Advanced Materials</i> , 2010, 22, 1278-1282.	11.1	50
102	Probing the Diameter Limit of Single Walled Carbon Nanotubes in SWCNT: Fullerene Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1600890.	10.2	50
103	The roles of metal-organic frameworks in modulating water permeability of graphene oxide-based carbon membranes. <i>Carbon</i> , 2019, 148, 277-289.	5.4	50
104	Highly enantioselective electrosynthesis of C ₂ -quaternary indolin-3-ones. <i>Chemical Communications</i> , 2020, 56, 623-626.	2.2	50
105	Bacterial outer membrane vesicles as potential biological nanomaterials for antibacterial therapy. <i>Acta Biomaterialia</i> , 2022, 140, 102-115.	4.1	48
106	Direct synthesis of highly ordered Co-SBA-15 mesoporous materials by the pH-adjusting approach. <i>Microporous and Mesoporous Materials</i> , 2008, 110, 347-354.	2.2	47
107	Octahedral Coordinated Trivalent Cobalt Enriched Multimetal Oxygen-Evolution Catalysts. <i>Advanced Energy Materials</i> , 2020, 10, 2002593.	10.2	47
108	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.	4.0	46

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109	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.	5.2	46
110	Pore Curvature Effect on the Stability of Co ²⁺ /MCM-41 and the Formation of Size-Controllable Subnanometer Co Clusters. <i>Journal of Physical Chemistry B</i> , 2005, 109, 2285-2294.	1.2	45
111	Milk powder-derived bifunctional oxygen electrocatalysts for rechargeable Zn-air battery. <i>Energy Storage Materials</i> , 2018, 11, 134-143.	9.5	45
112	Synthesis of large pore-diameter SBA-15 mesostructured spherical silica and its application in ultra-high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 7767-7773.	1.8	44
113	Asymmetric deposition of manganese oxide in single walled carbon nanotube films as electrodes for flexible high frequency response electrochemical capacitors. <i>Electrochimica Acta</i> , 2012, 78, 122-132.	2.6	44
114	Microbe-derived carbon materials for electrical energy storage and conversion. <i>Journal of Energy Chemistry</i> , 2016, 25, 191-198.	7.1	44
115	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.	5.2	43
116	Drying graphene hydrogel fibers for capacitive energy storage. <i>Carbon</i> , 2020, 164, 100-110.	5.4	43
117	Bacterial physiology is a key modulator of the antibacterial activity of graphene oxide. <i>Nanoscale</i> , 2016, 8, 17181-17189.	2.8	42
118	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.	5.0	41
119	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.	5.2	41
120	Effect of Co-MCM-41 Conversion to Cobalt Silicate for Catalytic Growth of Single Wall Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 20095-20101.	1.2	40
121	Smart in situ construction of NiS/MoS ₂ composite nanosheets with ultrahigh specific capacity for high-performance asymmetric supercapacitor. <i>Journal of Alloys and Compounds</i> , 2019, 811, 151915.	2.8	39
122	CoSO ₄ /SiO ₂ catalyst for selective synthesis of (9, 8) single-walled carbon nanotubes: Effect of catalyst calcination. <i>Journal of Catalysis</i> , 2013, 300, 91-101.	3.1	38
123	PilG is Involved in the Regulation of Twitching Motility and Antifungal Antibiotic Biosynthesis in the Biological Control Agent <i>Lysobacter enzymogenes</i> . <i>Phytopathology</i> , 2015, 105, 1318-1324.	1.1	37
124	Antimicrobial graphene materials: the interplay of complex materials characteristics and competing mechanisms. <i>Biomaterials Science</i> , 2018, 6, 766-773.	2.6	37
125	Boosting Secretion of Extracellular Protein by <i>Escherichia coli</i> via Cell Wall Perturbation. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	37
126	Recent Advances in Carbon Nanotube Utilizations in Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2004765.	7.8	37

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127	Hierarchical honeycomb graphene aerogels reinforced by carbon nanotubes with multifunctional mechanical and electrical properties. <i>Carbon</i> , 2021, 175, 312-321.	5.4	37
128	Graphene layers on Cu and Ni (111) surfaces in layer controlled graphene growth. <i>RSC Advances</i> , 2013, 3, 3046.	1.7	36
129	Systematic Review of Evidence-Based Guidelines on Medication Therapy for Upper Respiratory Tract Infection in Children with AGREE Instrument. <i>PLoS ONE</i> , 2014, 9, e87711.	1.1	36
130	Nanocarbon materials in water disinfection: state-of-the-art and future directions. <i>Nanoscale</i> , 2019, 11, 9819-9839.	2.8	35
131	Highly stereoselective construction of polycyclic benzofused tropane scaffolds and their latent bioactivities: bifunctional phosphonium salt-enabled cyclodearomatization process. <i>Science China Chemistry</i> , 2020, 63, 1091-1099.	4.2	35
132	Activity and stability comparison of immobilized NADH oxidase on multi-walled carbon nanotubes, carbon nanospheres, and single-walled carbon nanotubes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 69, 120-126.	1.8	34
133	Multifunctional nitrogen-rich "brick-and-mortar" carbon as high performance supercapacitor electrodes and oxygen reduction electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11061.	5.2	34
134	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.	9.5	34
135	The effect of synthesis solution pH on the physicochemical properties of Co substituted MCM-41. <i>Topics in Catalysis</i> , 2005, 34, 31-40.	1.3	33
136	Monodispersed MCM-41 large particles by modified pseudomorphic transformation: Direct diamine functionalization and application in protein bioseparation. <i>Microporous and Mesoporous Materials</i> , 2009, 122, 114-120.	2.2	33
137	Hybrid ternary rice paper "manganese oxide" carbon nanotube nanocomposites for flexible supercapacitors. <i>Nanoscale</i> , 2013, 5, 11108.	2.8	33
138	An ultra-sensitive Au nanoparticles functionalized DNA biosensor for electrochemical sensing of mercury ions. <i>Materials Science and Engineering C</i> , 2017, 75, 175-181.	3.8	33
139	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.	5.0	33
140	Materials for pulpotomy in immature permanent teeth: a systematic review and meta-analysis. <i>BMC Oral Health</i> , 2019, 19, 227.	0.8	33
141	Highly selective removal and recovery of Ni(II) from aqueous solution using magnetic ion-imprinted chitosan nanoparticles. <i>Carbohydrate Polymers</i> , 2021, 271, 118435.	5.1	33
142	Atomic carbon adsorption on Ni nanoclusters: a DFT study. <i>Theoretical Chemistry Accounts</i> , 2011, 128, 17-24.	0.5	32
143	"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.	2.8	32
144	Effect of repeated cryopreservation on human embryo developmental potential. <i>Reproductive BioMedicine Online</i> , 2017, 35, 627-632.	1.1	32

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145	2D Material Based Advanced Membranes for Separations in Organic Solvents. <i>Small</i> , 2020, 16, e2003400.	5.2	31
146	Enantioselectively controlled release of chiral drug (metoprolol) using chiral mesoporous silica materials. <i>Nanotechnology</i> , 2010, 21, 165103.	1.3	30
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