

# Jieshan Qiu

## List of Publications by Year in descending order

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390  
papers

33,923  
citations

2802

94  
h-index

4991

167  
g-index

400  
all docs

400  
docs citations

400  
times ranked

28520  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible and conductive MXene films and nanocomposites with high capacitance. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16676-16681.	7.1	1,713
2	Ultralight and Highly Compressible Graphene Aerogels. Advanced Materials, 2013, 25, 2219-2223.	21.0	1,249
3	Preparation and Characterization of Multiwalled Carbon Nanotube-Supported Platinum for Cathode Catalysts of Direct Methanol Fuel Cells. Journal of Physical Chemistry B, 2003, 107, 6292-6299.	2.6	1,079
4	Enhancing lithium-sulphur battery performance by strongly binding the discharge products on amino-functionalized reduced graphene oxide. Nature Communications, 2014, 5, 5002.	12.8	892
5	Metal-Organic Framework-Derived Hybrid Carbon Nanocages as a Bifunctional Electrocatalyst for Oxygen Reduction and Evolution. Advanced Materials, 2017, 29, 1700874.	21.0	678
6	Electroactive edge site-enriched nickel-cobalt sulfide into graphene frameworks for high-performance asymmetric supercapacitors. Energy and Environmental Science, 2016, 9, 1299-1307.	30.8	623
7	Sustainable Synthesis and Assembly of Biomass-Derived B/N Co-Doped Carbon Nanosheets with Ultrahigh Aspect Ratio for High-Performance Supercapacitors. Advanced Functional Materials, 2016, 26, 111-119.	14.9	607
8	Stabilizing the MXenes by Carbon Nanoplatting for Developing Hierarchical Nanohybrids with Efficient Lithium Storage and Hydrogen Evolution Capability. Advanced Materials, 2017, 29, 1607017.	21.0	583
9	High performance hybrid solar cells sensitized by organolead halide perovskites. Energy and Environmental Science, 2013, 6, 1480.	30.8	582
10	Design and fabrication of carbon dots for energy conversion and storage. Chemical Society Reviews, 2019, 48, 2315-2337.	38.1	552
11	Boosting electrocatalytic oxygen evolution by synergistically coupling layered double hydroxide with MXene. Nano Energy, 2018, 44, 181-190.	16.0	458
12	Aggregation-Resistant 3D MXene-Based Architecture as Efficient Bifunctional Electrocatalyst for Overall Water Splitting. ACS Nano, 2018, 12, 8017-8028.	14.6	425
13	High energy-power Zn-ion hybrid supercapacitors enabled by layered B/N co-doped carbon cathode. Nano Energy, 2019, 66, 104132.	16.0	344
14	A Layered-Nanospace-Confinement Strategy for the Synthesis of Two-Dimensional Porous Carbon Nanosheets for High-Rate Performance Supercapacitors. Advanced Energy Materials, 2015, 5, 1401761.	19.5	308
15	Ultrafine MoO <sub>2</sub> -Carbon Microstructures Enable Ultralong-Life Power-Type Sodium Ion Storage by Enhanced Pseudocapacitance. Advanced Energy Materials, 2017, 7, 1602880.	19.5	306
16	Superhierarchical Cobalt-Embedded Nitrogen-Doped Porous Carbon Nanosheets as Two-in-One Hosts for High-Performance Lithium-Sulfur Batteries. Advanced Materials, 2018, 30, e1706895.	21.0	300
17	A superhydrophilic nanoglue for stabilizing metal hydroxides onto carbon materials for high-energy and ultralong-life asymmetric supercapacitors. Energy and Environmental Science, 2017, 10, 1958-1965.	30.8	294
18	A hierarchically porous and hydrophilic 3D nickel-iron/MXene electrode for accelerating oxygen and hydrogen evolution at high current densities. Nano Energy, 2019, 63, 103880.	16.0	275

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19	Strategies to suppress hydrogen evolution for highly selective electrocatalytic nitrogen reduction: challenges and perspectives. <i>Energy and Environmental Science</i> , 2021, 14, 1176-1193.	30.8	275
20	Enhanced sodium storage capability enabled by super wide-interlayer-spacing MoS <sub>2</sub> integrated on carbon fibers. <i>Nano Energy</i> , 2017, 41, 66-74.	16.0	273
21	Iron-tuned super nickel phosphide microstructures with high activity for electrochemical overall water splitting. <i>Nano Energy</i> , 2017, 34, 472-480.	16.0	258
22	Electrochemical ammonia synthesis: Mechanistic understanding and catalyst design. <i>CheM</i> , 2021, 7, 1708-1754.	11.7	253
23	3D Architecture Materials Made of NiCoAl-LDH Nanoplates Coupled with NiCo-Carbonate Hydroxide Nanowires Grown on Flexible Graphite Paper for Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2014, 4, 1400761.	19.5	251
24	Energy-saving hydrogen production by chlorine-free hybrid seawater splitting coupling hydrazine degradation. <i>Nature Communications</i> , 2021, 12, 4182.	12.8	233
25	Strategies and insights towards the intrinsic capacitive properties of MnO <sub>2</sub> for supercapacitors: Challenges and perspectives. <i>Nano Energy</i> , 2019, 57, 459-472.	16.0	232
26	3D Porous N-Doped Graphene Frameworks Made of Interconnected Nanocages for Ultrahigh-Rate and Long-Life Li-O <sub>2</sub> Batteries. <i>Advanced Functional Materials</i> , 2015, 25, 6913-6920.	14.9	231
27	Ultrafast Self-Assembly of Graphene Oxide-Induced Monolithic NiCo-Carbonate Hydroxide Nanowire Architectures with a Superior Volumetric Capacitance for Supercapacitors. <i>Advanced Functional Materials</i> , 2015, 25, 2109-2116.	14.9	230
28	Engineering hollow polyhedrons structured from carbon-coated CoSe <sub>2</sub> nanospheres bridged by CNTs with boosted sodium storage performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13591-13600.	10.3	225
29	Electrocatalytic Oxidation of Glycerol to Formic Acid by CuCo <sub>2</sub> O <sub>4</sub> Spinel Oxide Nanostructure Catalysts. <i>ACS Catalysis</i> , 2020, 10, 6741-6752.	11.2	221
30	Ultrasensitive Iron-Triggered Nanosized Fe-CoOOH Integrated with Graphene for Highly Efficient Oxygen Evolution. <i>Advanced Energy Materials</i> , 2017, 7, 1602148.	19.5	216
31	Surface modification of biomass-derived hard carbon by grafting porous carbon nanosheets for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15954-15960.	10.3	216
32	Hierarchical activated carbon nanofiber webs with tuned structure fabricated by electrospinning for capacitive deionization. <i>Journal of Materials Chemistry</i> , 2012, 22, 21819.	6.7	215
33	Surface-Confined Fabrication of Ultrathin Nickel Cobalt-Layered Double Hydroxide Nanosheets for High-Performance Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1803272.	14.9	215
34	ZnO template strategy for the synthesis of 3D interconnected graphene nanocapsules from coal tar pitch as supercapacitor electrode materials. <i>Journal of Power Sources</i> , 2017, 340, 183-191.	7.8	212
35	A Top-Down Strategy toward 3D Carbon Nanosheet Frameworks Decorated with Hollow Nanostructures for Superior Lithium Storage. <i>Advanced Functional Materials</i> , 2016, 26, 7590-7598.	14.9	201
36	New Membrane Architecture with High Performance: ZIF-8 Membrane Supported on Vertically Aligned ZnO Nanorods for Gas Permeation and Separation. <i>Chemistry of Materials</i> , 2014, 26, 1975-1981.	6.7	199

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37	Highly mesoporous activated carbon electrode for capacitive deionization. Separation and Purification Technology, 2013, 103, 216-221.	7.9	198
38	Engineering Multifunctional Collaborative Catalytic Interface Enabling Efficient Hydrogen Evolution in All pH Range and Seawater. Advanced Energy Materials, 2019, 9, 1901333.	19.5	196
39	Facile fabrication of MWCNT-doped NiCoAl-layered double hydroxide nanosheets with enhanced electrochemical performances. Journal of Materials Chemistry A, 2013, 1, 1963-1968.	10.3	193
40	Highly Stretchable and Ultrasensitive Strain Sensor Based on Reduced Graphene Oxide Microtubes@Elastomer Composite. ACS Applied Materials & Interfaces, 2015, 7, 27432-27439.	8.0	189
41	Recent advances in innovative strategies for the CO <sub>2</sub> electroreduction reaction. Energy and Environmental Science, 2021, 14, 765-780.	30.8	188
42	Carbon-supported Ni nanoparticles for efficient CO <sub>2</sub> electroreduction. Chemical Science, 2018, 9, 8775-8780.	7.4	179
43	Perspectives on solution processing of two-dimensional MXenes. Materials Today, 2021, 48, 214-240.	14.2	178
44	Nanohybrids from NiCoAl-LDH coupled with carbon for pseudocapacitors: understanding the role of nano-structured carbon. Nanoscale, 2014, 6, 3097-3104.	5.6	176
45	NiCo-layered double hydroxides vertically assembled on carbon fiber papers as binder-free high-active electrocatalysts for water oxidation. Carbon, 2016, 110, 1-7.	10.3	175
46	Restructuring of Cu <sub>2</sub> O to Cu <sub>2</sub> O@Cu-Metal-Organic Frameworks for Selective Electrochemical Reduction of CO <sub>2</sub> . ACS Applied Materials & Interfaces, 2019, 11, 9904-9910.	8.0	174
47	Direct synthesis of 3D hollow porous graphene balls from coal tar pitch for high performance supercapacitors. Journal of Materials Chemistry A, 2014, 2, 19633-19640.	10.3	169
48	Formation of two-dimensional transition metal oxide nanosheets with nanoparticles as intermediates. Nature Materials, 2019, 18, 970-976.	27.5	169
49	Rapid and energy-efficient microwave pyrolysis for high-yield production of highly-active bifunctional electrocatalysts for water splitting. Energy and Environmental Science, 2020, 13, 545-553.	30.8	169
50	Surface-treated carbon electrodes with modified potential of zero charge for capacitive deionization. Water Research, 2016, 93, 30-37.	11.3	168
51	Toward commercial-level mass-loading electrodes for supercapacitors: opportunities, challenges and perspectives. Energy and Environmental Science, 2021, 14, 576-601.	30.8	166
52	Mass and Charge Transfer Coenhanced Oxygen Evolution Behaviors in CoFe-Layered Double Hydroxide Assembled on Graphene. Advanced Materials Interfaces, 2016, 3, 1500782.	3.7	165
53	MXene-Based Electrode with Enhanced Pseudocapacitance and Volumetric Capacity for Power-Type and Ultra-Long Life Lithium Storage. ACS Nano, 2018, 12, 3928-3937.	14.6	163
54	Synthesis of hierarchical porous carbons for supercapacitors from coal tar pitch with nano-Fe <sub>2</sub> O <sub>3</sub> as template and activation agent coupled with KOH activation. Journal of Materials Chemistry A, 2013, 1, 9440.	10.3	162

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55	Scrutinizing Defects and Defect Density of Selenium-Doped Graphene for High-Efficiency Triiodide Reduction in Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4682-4686.	13.8	155
56	Ultrahigh Rate and Long-Life Sodium-Ion Batteries Enabled by Engineered Surface and Near-Surface Reactions. <i>Advanced Materials</i> , 2018, 30, 1702486.	21.0	153
57	Freestanding Flexible Li <sub>2</sub> S Paper Electrode with High Mass and Capacity Loading for High-Energy Li-S Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1700018.	19.5	152
58	Boric acid-mediated B,N-codoped chitosan-derived porous carbons with a high surface area and greatly improved supercapacitor performance. <i>Nanoscale</i> , 2015, 7, 5120-5125.	5.6	151
59	Multilevel Hollow MXene Tailored Low-Pt Catalyst for Efficient Hydrogen Evolution in Full-pH Range and Seawater. <i>Advanced Functional Materials</i> , 2020, 30, 1910028.	14.9	150
60	Cobalt-embedded nitrogen-doped hollow carbon nanorods for synergistically immobilizing the discharge products in lithium-sulfur battery. <i>Energy Storage Materials</i> , 2016, 5, 223-229.	18.0	149
61	Nitrogen-Doped Graphene Nanoribbons with Surface Enriched Active Sites and Enhanced Performance for Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1500180.	19.5	147
62	Photocatalytic Fixation of Nitrogen to Ammonia by Single Ru Atom Decorated TiO <sub>2</sub> Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6813-6820.	6.7	142
63	A simple and scalable method for preparing low-defect ZIF-8 tubular membranes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10635.	10.3	139
64	Thin-Sheet Carbon Nanomesh with an Excellent Electrocapacitive Performance. <i>Advanced Functional Materials</i> , 2015, 25, 5420-5427.	14.9	139
65	Graphene Sheets from Graphitized Anthracite Coal: Preparation, Decoration, and Application. <i>Energy &amp; Fuels</i> , 2012, 26, 5186-5192.	5.1	136
66	Elucidating the activity, mechanism and application of selective electrosynthesis of ammonia from nitrate on cobalt phosphide. <i>Energy and Environmental Science</i> , 2022, 15, 760-770.	30.8	133
67	Asymmetric capacitive deionization utilizing nitric acid treated activated carbon fiber as the cathode. <i>Electrochimica Acta</i> , 2015, 176, 426-433.	5.2	130
68	N/P-Codoped Thermally Reduced Graphene for High-Performance Supercapacitor Applications. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14912-14919.	3.1	128
69	Carbon-Stabilized Interlayer-Expanded Few-Layer MoSe <sub>2</sub> Nanosheets for Sodium Ion Batteries with Enhanced Rate Capability and Cycling Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32324-32332.	8.0	128
70	Mesoporous microspheres composed of carbon-coated TiO <sub>2</sub> nanocrystals with exposed {001} facets for improved visible light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 958-964.	20.2	127
71	Zinc-blende ZnO and its role in nucleating wurtzite tetrapods and twinned nanowires. <i>Applied Physics Letters</i> , 2007, 90, 153510.	3.3	126
72	Ni, Co hydroxide triggers electrocatalytic production of high-purity benzoic acid over 400 mA cm <sup>-2</sup> . <i>Energy and Environmental Science</i> , 2020, 13, 4990-4999.	30.8	125

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73	Highly Stable Hybrid Capacitive Deionization with a $\text{MnO}_2$ Anode and a Positively Charged Cathode. <i>Environmental Science and Technology Letters</i> , 2018, 5, 98-102.	8.7	124
74	Stabilizing Interface pH by $\text{Na}^+$ -Modified Graphdiyne for Dendrite-Free and High-Rate Aqueous $\text{Zn}^{2+}$ Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	124
75	Starch Derived Porous Carbon Nanosheets for High-Performance Photovoltaic Capacitive Deionization. <i>Environmental Science &amp; Technology</i> , 2017, 51, 9244-9251.	10.0	120
76	Bridging of Ultrathin $\text{NiCo}_2\text{O}_4$ Nanosheets and Graphene with Polyaniline: A Theoretical and Experimental Study. <i>Chemistry of Materials</i> , 2016, 28, 5855-5863.	6.7	116
77	A Polymetallic Metal-Organic Framework-Derived Strategy toward Synergistically Multidoped Metal Oxide Electrodes with Ultralong Cycle Life and High Volumetric Capacity. <i>Advanced Functional Materials</i> , 2017, 27, 1605332.	14.9	116
78	GO-guided direct growth of highly oriented metal-organic framework nanosheet membranes for $\text{H}_2/\text{CO}_2$ separation. <i>Chemical Science</i> , 2018, 9, 4132-4141.	7.4	116
79	Membrane-Free Hybrid Capacitive Deionization System Based on Redox Reaction for High-Efficiency $\text{NaCl}$ Removal. <i>Environmental Science &amp; Technology</i> , 2019, 53, 6292-6301.	10.0	116
80	Interlayer expanded $\text{MoS}_2$ enabled by edge effect of graphene nanoribbons for high performance lithium and sodium ion batteries. <i>Carbon</i> , 2016, 109, 461-471.	10.3	114
81	Recent research advances of self-discharge in supercapacitors: Mechanisms and suppressing strategies. <i>Journal of Energy Chemistry</i> , 2021, 58, 94-109.	12.9	109
82	Boron-doped graphene as a high-efficiency counter electrode for dye-sensitized solar cells. <i>Chemical Communications</i> , 2014, 50, 3328.	4.1	107
83	Sulfur-infiltrated graphene-backboned mesoporous carbon nanosheets with a conductive polymer coating for long-life lithium-sulfur batteries. <i>Nanoscale</i> , 2015, 7, 7569-7573.	5.6	106
84	Construction of 3D nanostructure hierarchical porous graphitic carbons by charge-induced self-assembly and nanocrystal-assisted catalytic graphitization for supercapacitors. <i>Chemical Communications</i> , 2016, 52, 6673-6676.	4.1	106
85	Nitrogen-doped hierarchically porous carbon nanosheets derived from polymer/graphene oxide hydrogels for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 69-76.	9.4	106
86	Flexible Paper-like Free-Standing Electrodes by Anchoring Ultrafine $\text{SnS}_2$ Nanocrystals on Graphene Nanoribbons for High-Performance Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 15484-15491.	8.0	102
87	Ultrafast Fabrication of Covalently Cross-Linked Multifunctional Graphene Oxide Monoliths. <i>Advanced Functional Materials</i> , 2014, 24, 4915-4921.	14.9	101
88	Cellular carbon-wrapped $\text{FeSe}_2$ nanocavities with ultrathin walls and multiple rooms for ion diffusion-confined ultrafast sodium storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4469-4479.	10.3	101
89	Design and Fabrication of Hierarchical $\text{NiCoP}$ -MOF Heterostructure with Enhanced Pseudocapacitive Properties. <i>Small</i> , 2021, 17, e2100353.	10.0	101
90	Graphene-mediated highly-dispersed $\text{MoS}_2$ nanosheets with enhanced triiodide reduction activity for dye-sensitized solar cells. <i>Carbon</i> , 2016, 100, 474-483.	10.3	100

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91	BCN nanosheets templated by g-C <sub>3</sub> N <sub>4</sub> for high performance capacitive deionization. Journal of Materials Chemistry A, 2018, 6, 14644-14650.	10.3	99
92	Efficient CO <sub>2</sub> electroreduction over pyridinic-N active sites highly exposed on wrinkled porous carbon nanosheets. Chemical Engineering Journal, 2018, 351, 613-621.	12.7	99
93	Porosity-Induced High Selectivity for CO <sub>2</sub> Electroreduction to CO on Fe-Doped ZIF-Derived Carbon Catalysts. ACS Catalysis, 2019, 9, 11579-11588.	11.2	99
94	Pitch-derived N-doped porous carbon nanosheets with expanded interlayer distance as high-performance sodium-ion battery anodes. Fuel Processing Technology, 2018, 177, 328-335.	7.2	97
95	3D nickel-cobalt phosphide heterostructure for high-performance solid-state hybrid supercapacitors. Journal of Power Sources, 2020, 467, 228324.	7.8	97
96	Energy-saving Hydrogen Production by Seawater Electrolysis Coupling Sulfion Degradation. Advanced Materials, 2022, 34, e2109321.	21.0	95
97	Perovskite Oxide Catalysts for Advanced Oxidation Reactions. Advanced Functional Materials, 2021, 31, 2102089.	14.9	93
98	Aerobic oxidation of alcohols over Au/TiO <sub>2</sub> : An insight on the promotion effect of water on the catalytic activity of Au/TiO <sub>2</sub> . Catalysis Communications, 2008, 9, 2278-2281.	3.3	92
99	High-energy quasi-solid-state supercapacitors enabled by carbon nanofoam from biowaste and high-voltage inorganic gel electrolyte. Carbon, 2019, 149, 273-280.	10.3	91
100	N, P co-doped hierarchical porous carbon from rapeseed cake with enhanced supercapacitance. Renewable Energy, 2021, 170, 188-196.	8.9	91
101	Decoupling and correlating the ion transport by engineering 2D carbon nanosheets for enhanced charge storage. Nano Energy, 2019, 64, 103921.	16.0	90
102	Operando Revealing Dynamic Reconstruction of NiCo Carbonate Hydroxide for High-Rate Energy Storage. Joule, 2020, 4, 673-687.	24.0	88
103	Understanding of Sodium Storage Mechanism in Hard Carbons: Ongoing Development under Debate. Advanced Energy Materials, 2022, 12, .	19.5	88
104	Chemically grafting graphene oxide to B,N co-doped graphene via ionic liquid and their superior performance for triiodide reduction. Nano Energy, 2016, 25, 184-192.	16.0	87
105	Rational design of high-performance sodium-ion battery anode by molecular engineering of coal tar pitch. Chemical Engineering Journal, 2018, 342, 52-60.	12.7	87
106	Nitrogen-doped porous carbon from coal for high efficiency CO <sub>2</sub> electrocatalytic reduction. Carbon, 2019, 151, 46-52.	10.3	87
107	Accelerating polysulfide redox conversion on bifunctional electrocatalytic electrode for stable Li-S batteries. Energy Storage Materials, 2019, 20, 98-107.	18.0	87
108	High-stacking Density, Superior Roughness LDH Bridged with Vertically Aligned Graphene for High-performance Asymmetric Supercapacitors. Small, 2017, 13, 1701288.	10.0	83



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109	Strongly Coupled Architectures of Cobalt Phosphide Nanoparticles Assembled on Graphene as Bifunctional Electrocatalysts for Water Splitting. <i>ChemElectroChem</i> , 2016, 3, 719-725.	3.4	82
110	Activation of transition metal oxides by in-situ electro-regulated structure-reconstruction for ultra-efficient oxygen evolution. <i>Nano Energy</i> , 2019, 58, 778-785.	16.0	81
111	A Universal Converse Voltage Process for Triggering Transition Metal Hybrids In Situ Phase Restruction toward Ultrahigh-Rate Supercapacitors. <i>Advanced Materials</i> , 2019, 31, e1901241.	21.0	81
112	Ultrastable and high-capacity carbon nanofiber anodes derived from pitch/polyacrylonitrile for flexible sodium-ion batteries. <i>Carbon</i> , 2018, 135, 187-194.	10.3	80
113	Nanopore-confined g-C <sub>3</sub> N <sub>4</sub> nanodots in N, S co-doped hollow porous carbon with boosted capacity for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7133-7141.	10.3	80
114	A closed-loop and scalable process for the production of biomass-derived superhydrophilic carbon for supercapacitors. <i>Green Chemistry</i> , 2021, 23, 3400-3409.	9.0	80
115	Highly stable lithium-sulfur batteries based on p-n heterojunctions embedded on hollow sheath carbon propelling polysulfides conversion. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9230-9240.	10.3	79
116	Cobalt nitride nanoparticles embedded in porous carbon nanosheet arrays propelling polysulfides conversion for highly stable lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2019, 21, 210-218.	18.0	79
117	Nitrogen and phosphorus dual-doped porous carbons for high-rate potassium ion batteries. <i>Carbon</i> , 2021, 179, 33-41.	10.3	79
118	The Mechanism of Piezocatalysis: Energy Band Theory or Screening Charge Effect?. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202110429.	13.8	79
119	Free-standing, hierarchically porous carbon nanotube film as a binder-free electrode for high-energy Li-O <sub>2</sub> batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12033.	10.3	78
120	CoMn Layered Double Hydroxides/Carbon Nanotubes Architectures as High-Performance Electrocatalysts for the Oxygen Evolution Reaction. <i>ChemElectroChem</i> , 2016, 3, 906-912.	3.4	78
121	Tuned Fabrication of the Aligned and Opened CNT Membrane with Exceptionally High Permeability and Selectivity for Bioalcohol Recovery. <i>Nano Letters</i> , 2018, 18, 6150-6156.	9.1	78
122	Enhancing the capacitive deionization performance of NaMnO <sub>2</sub> by interface engineering and redox-reaction. <i>Environmental Science: Nano</i> , 2019, 6, 2379-2388.	4.3	78
123	Mutual modulation between surface chemistry and bulk microstructure within secondary particles of nickel-rich layered oxides. <i>Nature Communications</i> , 2020, 11, 4433.	12.8	78
124	3D N,O-Codoped Egg-Box-Like Carbons with Tuned Channels for High Areal Capacitance Supercapacitors. <i>Nano-Micro Letters</i> , 2020, 12, 82.	27.0	78
125	Boosting the Electrocatalysis of MXenes by Plasmon-Induced Thermalization and Hot-Electron Injection. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9416-9420.	13.8	78
126	Nitrogen-doped graphene nanoribbons for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16832-16835.	10.3	75



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127	Sulfonated Graphene as Cation-Selective Coating: A New Strategy for High-Performance Membrane Capacitive Deionization. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500372.	3.7	75
128	Template preparation of nanoscale $\text{CeFe}_{1-x}\text{O}_2$ solid solutions and their catalytic properties for ethanol steam reforming. <i>Journal of Materials Chemistry</i> , 2009, 19, 1417.	6.7	74
129	Nano-sized ZIF-8 anchored polyelectrolyte-decorated silica for Nitrogen-Rich Hollow Carbon Shell Frameworks toward alkaline and neutral supercapacitors. <i>Carbon</i> , 2018, 136, 176-186.	10.3	74
130	A $\text{Ti}_3\text{C}_2\text{T}_x$ MXene-Based Energy-Harvesting Soft Actuator with Self-Powered Humidity Sensing and Real-Time Motion Tracking Capability. <i>ACS Nano</i> , 2021, 15, 16811-16818.	14.6	74
131	Synthesis of stable UiO-66 membranes for pervaporation separation of methanol/methyl tert-butyl ether mixtures by secondary growth. <i>Journal of Membrane Science</i> , 2017, 544, 342-350.	8.2	73
132	Enhancing capacitive deionization performance of electrospun activated carbon nanofibers by coupling with carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , 2015, 446, 373-378.	9.4	72
133	Rational design and fabrication of sulfur-doped porous graphene with enhanced performance as a counter electrode in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2280-2287.	10.3	72
134	Growth of ZnO self-converted 2D nanosheet zeolitic imidazolate framework membranes by an ammonia-assisted strategy. <i>Nano Research</i> , 2018, 11, 1850-1860.	10.4	72
135	Urea-Mediated Monoliths Made of Nitrogen-Enriched Mesoporous Carbon Nanosheets for High-Performance Aqueous Zinc Ion Hybrid Capacitors. <i>Small</i> , 2022, 18, e2108057.	10.0	69
136	Template Preparation of Highly Active and Selective Cu-Cr Catalysts with High Surface Area for Glycerol Hydrogenolysis. <i>Catalysis Letters</i> , 2009, 130, 169-176.	2.6	68
137	Self-Templating Synthesis of 3D Hollow Tubular Porous Carbon Derived from Straw Cellulose Waste with Excellent Performance for Supercapacitors. <i>ChemSusChem</i> , 2019, 12, 1390-1400.	6.8	68
138	Adsorptive Removal of Thiophenic Compounds from Oils by Activated Carbon Modified with Concentrated Nitric Acid. <i>Energy &amp; Fuels</i> , 2013, 27, 1499-1505.	5.1	67
139	Nanogeosciences: Research History, Current Status, and Development Trends. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5930-5965.	0.9	67
140	ZIF-67-Derived Cobalt/Nitrogen-Doped Carbon Composites for Efficient Electrocatalytic $\text{N}_2$ Reduction. <i>ACS Applied Energy Materials</i> , 2019, 2, 6071-6077.	5.1	67
141	Freeze-Tolerant Hydrogel Electrolyte with High Strength for Stable Operation of Flexible Zinc-Ion Hybrid Supercapacitors. <i>Small</i> , 2022, 18, e2200055.	10.0	67
142	Phase controllable synthesis of $\text{Ni}^{2+}$ post-modified CoP nanowire for enhanced oxygen evolution. <i>Nano Energy</i> , 2019, 62, 136-143.	16.0	66
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