Jieshan Qiu

List of Publications by Year
in descending order

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390 papers	33,923 citations	2795 94 h-index	5101 166 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.	3.3	1,713
2	Ultralight and Highly Compressible Graphene Aerogels. Advanced Materials, 2013, 25, 2219-2223.	11.1	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.	1.2	1,079
4	Enhancing lithiumâ€“sulphur battery performance by strongly binding the discharge products on amino-functionalized reduced graphene oxide. Nature Communications, 2014, 5, 5002.	5.8	892
5	Metalâ€“Organicâ€Frameworkâ€Derived Hybrid Carbon Nanocages as a Bifunctional Electrocatalyst for Oxygen Reduction and Evolution. Advanced Materials, 2017, 29, 1700874.	11.1	678
6	Electroactive edge site-enriched nickelâ€“cobalt sulfide into graphene frameworks for high-performance asymmetric supercapacitors. Energy and Environmental Science, 2016, 9, 1299-1307.	15.6	623
7	Sustainable Synthesis and Assembly of Biomassâ€Derived B/N Coâ€Doped Carbon Nanosheets with Ultrahigh Aspect Ratio for Highâ€Performance Supercapacitors. Advanced Functional Materials, 2016, 26, 111-119.	7.8	607
8	Stabilizing the MXenes by Carbon Nanoplating for Developing Hierarchical Nanohybrids with Efficient Lithium Storage and Hydrogen Evolution Capability. Advanced Materials, 2017, 29, 1607017.	11.1	583
9	High performance hybrid solar cells sensitized by organolead halide perovskites. Energy and Environmental Science, 2013, 6, 1480.	15.6	582
10	Design and fabrication of carbon dots for energy conversion and storage. Chemical Society Reviews, 2019, 48, 2315-2337.	18.7	552
11	Boosting electrocatalytic oxygen evolution by synergistically coupling layered double hydroxide with MXene. Nano Energy, 2018, 44, 181-190.	8.2	458
12	Aggregation-Resistant 3D MXene-Based Architecture as Efficient Bifunctional Electrocatalyst for Overall Water Splitting. ACS Nano, 2018, 12, 8017-8028.	7.3	425
13	High energy-power Zn-ion hybrid supercapacitors enabled by layered B/N co-doped carbon cathode. Nano Energy, 2019, 66, 104132.	8.2	344
14	A Layeredâ€Nanospaceâ€Confinement Strategy for the Synthesis of Twoâ€Dimensional Porous Carbon Nanosheets for Highâ€Rate Performance Supercapacitors. Advanced Energy Materials, 2015, 5, 1401761.	10.2	308
15	Ultrafine MoO₂â€Carbon Microstructures Enable Ultralongâ€Life Powerâ€Type Sodium Ion Storage by Enhanced Pseudocapacitance. Advanced Energy Materials, 2017, 7, 1602880.	10.2	306
16	Superhierarchical Cobaltâ€Embedded Nitrogenâ€Doped Porous Carbon Nanosheets as Twoâ€inâ€One Hosts for Highâ€Performance Lithiumâ€“Sulfur Batteries. Advanced Materials, 2018, 30, e1706895.	11.1	300
17	A superhydrophilic â€œnanoglueâ€• for stabilizing metal hydroxides onto carbon materials for high-energy and ultralong-life asymmetric supercapacitors. Energy and Environmental Science, 2017, 10, 1958-1965.	15.6	294
18	A hierarchically porous and hydrophilic 3D nickelâ€“iron/MXene electrode for accelerating oxygen and hydrogen evolution at high current densities. Nano Energy, 2019, 63, 103880.	8.2	275

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19	Strategies to suppress hydrogen evolution for highly selective electrocatalytic nitrogen reduction: challenges and perspectives. Energy and Environmental Science, 2021, 14, 1176-1193.	15.6	275
20	Enhanced sodium storage capability enabled by super wide-interlayer-spacing MoS2 integrated on carbon fibers. Nano Energy, 2017, 41, 66-74.	8.2	273
21	Iron-tuned super nickel phosphide microstructures with high activity for electrochemical overall water splitting. Nano Energy, 2017, 34, 472-480.	8.2	258
22	Electrochemical ammonia synthesis: Mechanistic understanding and catalyst design. CheM, 2021, 7, 1708-1754.	5.8	253
23	3D Architecture Materials Made of NiCoAlâ€LDH Nanoplates Coupled with NiCoâ€Carbonate Hydroxide Nanowires Grown on Flexible Graphite Paper for Asymmetric Supercapacitors. Advanced Energy Materials, 2014, 4, 1400761.	10.2	251
24	Energy-saving hydrogen production by chlorine-free hybrid seawater splitting coupling hydrazine degradation. Nature Communications, 2021, 12, 4182.	5.8	233
25	Strategies and insights towards the intrinsic capacitive properties of MnO2 for supercapacitors: Challenges and perspectives. Nano Energy, 2019, 57, 459-472.	8.2	232
26	3D Porous Nâ€Doped Graphene Frameworks Made of Interconnected Nanocages for Ultrahighâ€Rate and Longâ€Life Liâ€“O₂ Batteries. Advanced Functional Materials, 2015, 25, 6913-6920.	7.8	231
27	Ultrafast Selfâ€Assembly of Graphene Oxideâ€Induced Monolithic NiCoâ€“Carbonate Hydroxide Nanowire Architectures with a Superior Volumetric Capacitance for Supercapacitors. Advanced Functional Materials, 2015, 25, 2109-2116.	7.8	230
28	Engineering hollow polyhedrons structured from carbon-coated CoSe₂ nanospheres bridged by CNTs with boosted sodium storage performance. Journal of Materials Chemistry A, 2017, 5, 13591-13600.	5.2	225
29	Electrocatalytic Oxidation of Glycerol to Formic Acid by CuCo₂O₄ Spinel Oxide Nanostructure Catalysts. ACS Catalysis, 2020, 10, 6741-6752.	5.5	221
30	Ultrasensitive Ironâ€Triggered Nanosized Feâ€“CoOOH Integrated with Graphene for Highly Efficient Oxygen Evolution. Advanced Energy Materials, 2017, 7, 1602148.	10.2	216
31	Surface modification of biomass-derived hard carbon by grafting porous carbon nanosheets for high-performance supercapacitors. Journal of Materials Chemistry A, 2018, 6, 15954-15960.	5.2	216
32	Hierarchical activated carbon nanofiber webs with tuned structure fabricated by electrospinning for capacitive deionization. Journal of Materials Chemistry, 2012, 22, 21819.	6.7	215
33	Surfaceâ€Confined Fabrication of Ultrathin Nickel Cobaltâ€Layered Double Hydroxide Nanosheets for Highâ€Performance Supercapacitors. Advanced Functional Materials, 2018, 28, 1803272.	7.8	215
34	ZnO template strategy for the synthesis of 3D interconnected graphene nanocapsules from coal tar pitch as supercapacitor electrode materials. Journal of Power Sources, 2017, 340, 183-191.	4.0	212
35	A Topâ€Down Strategy toward 3D Carbon Nanosheet Frameworks Decorated with Hollow Nanostructures for Superior Lithium Storage. Advanced Functional Materials, 2016, 26, 7590-7598.	7.8	201
36	New Membrane Architecture with High Performance: ZIF-8 Membrane Supported on Vertically Aligned ZnO Nanorods for Gas Permeation and Separation. Chemistry of Materials, 2014, 26, 1975-1981.	3.2	199

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37	Highly mesoporous activated carbon electrode for capacitive deionization. Separation and Purification Technology, 2013, 103, 216-221.	3.9	198
38	Engineering Multifunctional Collaborative Catalytic Interface Enabling Efficient Hydrogen Evolution in All pH Range and Seawater. Advanced Energy Materials, 2019, 9, 1901333.	10.2	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.	5.2	193
40	Highly Stretchable and Ultrasensitive Strain Sensor Based on Reduced Graphene Oxide Microtubesâ€“Elastomer Composite. ACS Applied Materials & Interfaces, 2015, 7, 27432-27439.	4.0	189
41	Recent advances in innovative strategies for the CO₂ electroreduction reaction. Energy and Environmental Science, 2021, 14, 765-780.	15.6	188
42	Carbon-supported Ni nanoparticles for efficient CO₂ electroreduction. Chemical Science, 2018, 9, 8775-8780.	3.7	179
43	Perspectives on solution processing of two-dimensional MXenes. Materials Today, 2021, 48, 214-240.	8.3	178
44	Nanohybrids from NiCoAl-LDH coupled with carbon for pseudocapacitors: understanding the role of nano-structured carbon. Nanoscale, 2014, 6, 3097-3104.	2.8	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.	5.4	175
46	Restructuring of Cu₂O to Cu₂O@Cu-Metalâ€“Organic Frameworks for Selective Electrochemical Reduction of CO₂. ACS Applied Materials & Interfaces, 2019, 11, 9904-9910.	4.0	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.	5.2	169
48	Formation of two-dimensional transition metal oxide nanosheets with nanoparticles as intermediates. Nature Materials, 2019, 18, 970-976.	13.3	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.	15.6	169
50	Surface-treated carbon electrodes with modified potential of zero charge for capacitive deionization. Water Research, 2016, 93, 30-37.	5.3	168
51	Toward commercial-level mass-loading electrodes for supercapacitors: opportunities, challenges and perspectives. Energy and Environmental Science, 2021, 14, 576-601.	15.6	166
52	Mass and Charge Transfer Coenhanced Oxygen Evolution Behaviors in CoFeâ€Layered Double Hydroxide Assembled on Graphene. Advanced Materials Interfaces, 2016, 3, 1500782.	1.9	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.	7.3	163
54	Synthesis of hierarchical porous carbons for supercapacitors from coal tar pitch with nano-Fe2O3 as template and activation agent coupled with KOH activation. Journal of Materials Chemistry A, 2013, 1, 9440.	5.2	162

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55	Scrutinizing Defects and Defect Density of Seleniumâ€Doped Graphene for Highâ€Efficiency Triiodide Reduction in Dyeâ€Sensitized Solar Cells. Angewandte Chemie - International Edition, 2018, 57, 4682-4686.	7.2	155
56	Ultrahigh Rate and Longâ€Life Sodiumâ€Ion Batteries Enabled by Engineered Surface and Nearâ€Surface Reactions. Advanced Materials, 2018, 30, 1702486.	11.1	153
57	Freestanding Flexible Li₂S Paper Electrode with High Mass and Capacity Loading for Highâ€Energy Liâ€“S Batteries. Advanced Energy Materials, 2017, 7, 1700018.	10.2	152
58	Boric acid-mediated B,N-codoped chitosan-derived porous carbons with a high surface area and greatly improved supercapacitor performance. Nanoscale, 2015, 7, 5120-5125.	2.8	151
59	Multilevel Hollow MXene Tailored Lowâ€Pt Catalyst for Efficient Hydrogen Evolution in Fullâ€pH Range and Seawater. Advanced Functional Materials, 2020, 30, 1910028.	7.8	150
60	Cobalt-embedded nitrogen-doped hollow carbon nanorods for synergistically immobilizing the discharge products in lithiumâ€“sulfur battery. Energy Storage Materials, 2016, 5, 223-229.	9.5	149
61	Nitrogenâ€Doped Graphene Nanoribbons with Surface Enriched Active Sites and Enhanced Performance for Dyeâ€Sensitized Solar Cells. Advanced Energy Materials, 2015, 5, 1500180.	10.2	147
62	Photocatalytic Fixation of Nitrogen to Ammonia by Single Ru Atom Decorated TiO₂ Nanosheets. ACS Sustainable Chemistry and Engineering, 2019, 7, 6813-6820.	3.2	142
63	A simple and scalable method for preparing low-defect ZIF-8 tubular membranes. Journal of Materials Chemistry A, 2013, 1, 10635.	5.2	139
64	Thinâ€Sheet Carbon Nanomesh with an Excellent Electrocapacitive Performance. Advanced Functional Materials, 2015, 25, 5420-5427.	7.8	139
65	Graphene Sheets from Graphitized Anthracite Coal: Preparation, Decoration, and Application. Energy & Fuels, 2012, 26, 5186-5192.	2.5	136
66	Elucidating the activity, mechanism and application of selective electrosynthesis of ammonia from nitrate on cobalt phosphide. Energy and Environmental Science, 2022, 15, 760-770.	15.6	133
67	Asymmetric capacitive deionization utilizing nitric acid treated activated carbon fiber as the cathode. Electrochimica Acta, 2015, 176, 426-433.	2.6	130
68	N/P-Codoped Thermally Reduced Graphene for High-Performance Supercapacitor Applications. Journal of Physical Chemistry C, 2013, 117, 14912-14919.	1.5	128
69	Carbon-Stabilized Interlayer-Expanded Few-Layer MoSe₂ Nanosheets for Sodium Ion Batteries with Enhanced Rate Capability and Cycling Performance. ACS Applied Materials & Interfaces, 2016, 8, 32324-32332.	4.0	128
70	Mesoporous microspheres composed of carbon-coated TiO2 nanocrystals with exposed {001} facets for improved visible light photocatalytic activity. Applied Catalysis B: Environmental, 2014, 147, 958-964.	10.8	127
71	Zinc-blende ZnO and its role in nucleating wurtzite tetrapods and twinned nanowires. Applied Physics Letters, 2007, 90, 153510.	1.5	126
72	Ni, Co hydroxide triggers electrocatalytic production of high-purity benzoic acid over 400 mA cm^{â^'2}. Energy and Environmental Science, 2020, 13, 4990-4999.	15.6	125

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73	Highly Stable Hybrid Capacitive Deionization with a MnO₂ Anode and a Positively Charged Cathode. Environmental Science and Technology Letters, 2018, 5, 98-102.	3.9	124
74	Stabilizing Interface pH by Nâ€Modified Graphdiyne for Dendriteâ€Free and Highâ€Rate Aqueous Znâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	124
75	Starch Derived Porous Carbon Nanosheets for High-Performance Photovoltaic Capacitive Deionization. Environmental Science & Technology, 2017, 51, 9244-9251.	4.6	120
76	Bridging of Ultrathin NiCo₂O₄ Nanosheets and Graphene with Polyaniline: A Theoretical and Experimental Study. Chemistry of Materials, 2016, 28, 5855-5863.	3.2	116
77	A Polymetallic Metalâ€Organic Frameworkâ€Derived Strategy toward Synergistically Multidoped Metal Oxide Electrodes with Ultralong Cycle Life and High Volumetric Capacity. Advanced Functional Materials, 2017, 27, 1605332.	7.8	116
78	GO-guided direct growth of highly oriented metalâ€“organic framework nanosheet membranes for H₂/CO₂ separation. Chemical Science, 2018, 9, 4132-4141.	3.7	116
79	Membrane-Free Hybrid Capacitive Deionization System Based on Redox Reaction for High-Efficiency NaCl Removal. Environmental Science & Technology, 2019, 53, 6292-6301.	4.6	116
80	Interlayer expanded MoS 2 enabled by edge effect of graphene nanoribbons for high performance lithium and sodium ion batteries. Carbon, 2016, 109, 461-471.	5.4	114
81	Recent research advances of self-discharge in supercapacitors: Mechanisms and suppressing strategies. Journal of Energy Chemistry, 2021, 58, 94-109.	7.1	109
82	Boron-doped graphene as a high-efficiency counter electrode for dye-sensitized solar cells. Chemical Communications, 2014, 50, 3328.	2.2	107
83	Sulfur-infiltrated graphene-backboned mesoporous carbon nanosheets with a conductive polymer coating for long-life lithiumâ€“sulfur batteries. Nanoscale, 2015, 7, 7569-7573.	2.8	106
84	Construction of 3D nanostructure hierarchical porous graphitic carbons by charge-induced self-assembly and nanocrystal-assisted catalytic graphitization for supercapacitors. Chemical Communications, 2016, 52, 6673-6676.	2.2	106
85	Nitrogen-doped hierarchically porous carbon nanosheets derived from polymer/graphene oxide hydrogels for high-performance supercapacitors. Journal of Colloid and Interface Science, 2020, 560, 69-76.	5.0	106
86	Flexible Paper-like Free-Standing Electrodes by Anchoring Ultrafine SnS₂ Nanocrystals on Graphene Nanoribbons for High-Performance Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 15484-15491.	4.0	102
87	Ultrafast Fabrication of Covalently Crossâ€linked Multifunctional Graphene Oxide Monoliths. Advanced Functional Materials, 2014, 24, 4915-4921.	7.8	101
88	Cellular carbon-wrapped FeSe₂ nanocavities with ultrathin walls and multiple rooms for ion diffusion-confined ultrafast sodium storage. Journal of Materials Chemistry A, 2019, 7, 4469-4479.	5.2	101
89	Design and Fabrication of Hierarchical NiCoPâ€“MOF Heterostructure with Enhanced Pseudocapacitive Properties. Small, 2021, 17, e2100353.	5.2	101
90	Graphene-mediated highly-dispersed MoS2 nanosheets with enhanced triiodide reduction activity for dye-sensitized solar cells. Carbon, 2016, 100, 474-483.	5.4	100

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91	BCN nanosheets templated by g-C₃N₄ for high performance capacitive deionization. Journal of Materials Chemistry A, 2018, 6, 14644-14650.	5.2	99
92	Efficient CO2 electroreduction over pyridinic-N active sites highly exposed on wrinkled porous carbon nanosheets. Chemical Engineering Journal, 2018, 351, 613-621.	6.6	99
93	Porosity-Induced High Selectivity for CO₂ Electroreduction to CO on Fe-Doped ZIF-Derived Carbon Catalysts. ACS Catalysis, 2019, 9, 11579-11588.	5.5	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.	3.7	97
95	3D nickel-cobalt phosphide heterostructure for high-performance solid-state hybrid supercapacitors. Journal of Power Sources, 2020, 467, 228324.	4.0	97
96	Energyâ€Saving Hydrogen Production by Seawater Electrolysis Coupling Sulfion Degradation. Advanced Materials, 2022, 34, e2109321.	11.1	95
97	Perovskite Oxide Catalysts for Advanced Oxidation Reactions. Advanced Functional Materials, 2021, 31, 2102089.	7.8	93
98	Aerobic oxidation of alcohols over Au/TiO2: An insight on the promotion effect of water on the catalytic activity of Au/TiO2. Catalysis Communications, 2008, 9, 2278-2281.	1.6	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.	5.4	91
100	N, P co-doped hierarchical porous carbon from rapeseed cake with enhanced supercapacitance. Renewable Energy, 2021, 170, 188-196.	4.3	91
101	Decoupling and correlating the ion transport by engineering 2D carbon nanosheets for enhanced charge storage. Nano Energy, 2019, 64, 103921.	8.2	90
102	Operando Revealing Dynamic Reconstruction of NiCo Carbonate Hydroxide for High-Rate Energy Storage. Joule, 2020, 4, 673-687.	11.7	88
103	Understanding of Sodium Storage Mechanism in Hard Carbons: Ongoing Development under Debate. Advanced Energy Materials, 2022, 12, .	10.2	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.	8.2	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.	6.6	87
106	Nitrogen-doped porous carbon from coal for high efficiency CO2 electrocatalytic reduction. Carbon, 2019, 151, 46-52.	5.4	87
107	Accelerating polysulfide redox conversion on bifunctional electrocatalytic electrode for stable Li-S batteries. Energy Storage Materials, 2019, 20, 98-107.	9.5	87
108	Highâ€Stackingâ€Density, Superiorâ€Roughness LDH Bridged with Vertically Aligned Graphene for Highâ€Performance Asymmetric Supercapacitors. Small, 2017, 13, 1701288.	5.2	83

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109	Strongly Coupled Architectures of Cobalt Phosphide Nanoparticles Assembled on Graphene as Bifunctional Electrocatalysts for Water Splitting. ChemElectroChem, 2016, 3, 719-725.	1.7	82
110	Activation of transition metal oxides by in-situ electro-regulated structure-reconstruction for ultra-efficient oxygen evolution. Nano Energy, 2019, 58, 778-785.	8.2	81
111	A Universal Converse Voltage Process for Triggering Transition Metal Hybrids In Situ Phase Restruction toward Ultrahighâ€Rate Supercapacitors. Advanced Materials, 2019, 31, e1901241.	11.1	81
112	Ultrastable and high-capacity carbon nanofiber anodes derived from pitch/polyacrylonitrile for flexible sodium-ion batteries. Carbon, 2018, 135, 187-194.	5.4	80
113	Nanopore-confined g-C₃N₄ nanodots inÂN, S co-doped hollow porous carbon with boosted capacity for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2018, 6, 7133-7141.	5.2	80
114	A closed-loop and scalable process for the production of biomass-derived superhydrophilic carbon for supercapacitors. Green Chemistry, 2021, 23, 3400-3409.	4.6	80
115	Highly stable lithiumâ€“sulfur batteries based on pâ€“n heterojunctions embedded on hollow sheath carbon propelling polysulfides conversion. Journal of Materials Chemistry A, 2019, 7, 9230-9240.	5.2	79
116	Cobalt nitride nanoparticles embedded in porous carbon nanosheet arrays propelling polysulfides conversion for highly stable lithiumâ€“sulfur batteries. Energy Storage Materials, 2019, 21, 210-218.	9.5	79
117	Nitrogen and phosphorus dual-doped porous carbons for high-rate potassium ion batteries. Carbon, 2021, 179, 33-41.	5.4	79
118	The Mechanism of Piezocatalysis: Energy Band Theory or Screening Charge Effect?. Angewandte Chemie - International Edition, 2022, 61, e202110429.	7.2	79
119	Free-standing, hierarchically porous carbon nanotube film as a binder-free electrode for high-energy Liâ€“O2 batteries. Journal of Materials Chemistry A, 2013, 1, 12033.	5.2	78
120	CoMn Layered Double Hydroxides/Carbon Nanotubes Architectures as Highâ€Performance Electrocatalysts for the Oxygen Evolution Reaction. ChemElectroChem, 2016, 3, 906-912.	1.7	78
121	Tuned Fabrication of the Aligned and Opened CNT Membrane with Exceptionally High Permeability and Selectivity for Bioalcohol Recovery. Nano Letters, 2018, 18, 6150-6156.	4.5	78
122	Enhancing the capacitive deionization performance of NaMnO₂ by interface engineering and redox-reaction. Environmental Science: Nano, 2019, 6, 2379-2388.	2.2	78
123	Mutual modulation between surface chemistry and bulk microstructure within secondary particles of nickel-rich layered oxides. Nature Communications, 2020, 11, 4433.	5.8	78
124	3D N,O-Codoped Egg-Box-Like Carbons with Tuned Channels for High Areal Capacitance Supercapacitors. Nano-Micro Letters, 2020, 12, 82.	14.4	78
125	Boosting the Electrocatalysis of MXenes by Plasmonâ€Induced Thermalization and Hotâ€Electron Injection. Angewandte Chemie - International Edition, 2021, 60, 9416-9420.	7.2	78
126	Nitrogen-doped graphene nanoribbons for high-performance lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 16832-16835.	5.2	75

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127	Sulfonated Graphene as Cationâ€Selective Coating: A New Strategy for Highâ€Performance Membrane Capacitive Deionization. Advanced Materials Interfaces, 2015, 2, 1500372.	1.9	75
128	Template preparation of nanoscale CexFe1â^'xO2 solid solutions and their catalytic properties for ethanol steam reforming. Journal of Materials Chemistry, 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. Carbon, 2018, 136, 176-186.	5.4	74
130	A Ti₃C₂T_x MXene-Based Energy-Harvesting Soft Actuator with Self-Powered Humidity Sensing and Real-Time Motion Tracking Capability. ACS Nano, 2021, 15, 16811-16818.	7.3	74
131	Synthesis of stable UiO-66 membranes for pervaporation separation of methanol/methyl tert-butyl ether mixtures by secondary growth. Journal of Membrane Science, 2017, 544, 342-350.	4.1	73
132	Enhancing capacitive deionization performance of electrospun activated carbon nanofibers by coupling with carbon nanotubes. Journal of Colloid and Interface Science, 2015, 446, 373-378.	5.0	72
133	Rational design and fabrication of sulfur-doped porous graphene with enhanced performance as a counter electrode in dye-sensitized solar cells. Journal of Materials Chemistry A, 2017, 5, 2280-2287.	5.2	72
134	Growth of ZnO self-converted 2D nanosheet zeolitic imidazolate framework membranes by an ammonia-assisted strategy. Nano Research, 2018, 11, 1850-1860.	5.8	72
135	Ureaâ€Mediated Monoliths Made of Nitrogenâ€Enriched Mesoporous Carbon Nanosheets for Highâ€Performance Aqueous Zinc Ion Hybrid Capacitors. Small, 2022, 18, e2108057.	5.2	69
136	Template Preparation of Highly Active and Selective Cuâ€“Cr Catalysts with High Surface Area for Glycerol Hydrogenolysis. Catalysis Letters, 2009, 130, 169-176.	1.4	68
137	Selfâ€Templating Synthesis of 3D Hollow Tubular Porous Carbon Derived from Straw Cellulose Waste with Excellent Performance for Supercapacitors. ChemSusChem, 2019, 12, 1390-1400.	3.6	68
138	Adsorptive Removal of Thiophenic Compounds from Oils by Activated Carbon Modified with Concentrated Nitric Acid. Energy & Fuels, 2013, 27, 1499-1505.	2.5	67
139	Nanogeosciences: Research History, Current Status, and Development Trends. Journal of Nanoscience and Nanotechnology, 2017, 17, 5930-5965.	0.9	67
140	ZIF-67-Derived Cobalt/Nitrogen-Doped Carbon Composites for Efficient Electrocatalytic N₂ Reduction. ACS Applied Energy Materials, 2019, 2, 6071-6077.	2.5	67
141	Freezeâ€Tolerant Hydrogel Electrolyte with High Strength for Stable Operation of Flexible Zincâ€Ion Hybrid Supercapacitors. Small, 2022, 18, e2200055.	5.2	67
142	Phase controllable synthesis of Ni2+ post-modified CoP nanowire for enhanced oxygen evolution. Nano Energy, 2019, 62, 136-143.	8.2	66
143	Dual integration system endowing two-dimensional titanium disulfide with enhanced triiodide reduction performance in dye-sensitized solar cells. Nano Energy, 2016, 22, 59-69.	8.2	65
144	Low temperature plasma-mediated synthesis of graphene nanosheets for supercapacitor electrodes. Journal of Materials Chemistry, 2012, 22, 6061.	6.7	64

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145	3D Carbon Frameworks for Ultrafast Charge/Discharge Rate Supercapacitors with High Energy-Power Density. Nano-Micro Letters, 2021, 13, 8.	14.4	64
146	Microscopic-Level Insights into the Mechanism of Enhanced NH₃ Synthesis in Plasma-Enabled Cascade N₂ Oxidationâ€“Electroreduction System. Journal of the American Chemical Society, 2022, 144, 10193-10200.	6.6	64
147	Low-temperature plasma-assisted preparation of graphene supported palladium nanoparticles with high hydrodesulfurization activity. Journal of Materials Chemistry, 2012, 22, 14363.	6.7	61
148	Stabilizing MXene by Hydration Chemistry in Aqueous Solution. Angewandte Chemie - International Edition, 2021, 60, 26587-26591.	7.2	61
149	Pickering Emulsion Catalysis: Interfacial Chemistry, Catalyst Design, Challenges, and Perspectives. Angewandte Chemie - International Edition, 2022, 61, .	7.2	60
150	Calcined MgAl-Layered Double Hydroxide/Graphene Hybrids for Capacitive Deionization. Industrial & Engineering Chemistry Research, 2018, 57, 6417-6425.	1.8	59
151	Ultrafast construction of interfacial sites by wet chemical etching to enhance electrocatalytic oxygen evolution. Nano Energy, 2020, 69, 104367.	8.2	58
152	Facile Fabrication of NiCoAl-Layered Metal Oxide/Graphene Nanosheets for Efficient Capacitive Deionization Defluorination. ACS Applied Materials & Interfaces, 2019, 11, 31200-31209.	4.0	57
153	Biomassâ€based Hierarchical Porous Carbon for Supercapacitors: Effect of Aqueous and Organic Electrolytes on the Electrochemical Performance. ChemSusChem, 2019, 12, 5099-5110.	3.6	57
154	Is It Appropriate to Use the Nafion Membrane in Electrocatalytic N₂ Reduction?. Small Methods, 2019, 3, 1900474.	4.6	56
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