

Jieshan Qiu

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362
papers

23,147
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400
ext. papers

28,226
ext. citations

11.5
avg, IF

7.47
L-index

#	Paper	IF	Citations
362	Flexible and conductive MXene films and nanocomposites with high capacitance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 16676-81	11.5	1204
361	Ultralight and highly compressible graphene aerogels. <i>Advanced Materials</i> , 2013 , 25, 2219-23	24	1074
360	Preparation and Characterization of Multiwalled Carbon Nanotube-Supported Platinum for Cathode Catalysts of Direct Methanol Fuel Cells. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 6292-6299	3.4	1010
359	Enhancing lithium-sulphur battery performance by strongly binding the discharge products on amino-functionalized reduced graphene oxide. <i>Nature Communications</i> , 2014 , 5, 5002	17.4	792
358	Electroactive edge site-enriched nickel-cobalt sulfide into graphene frameworks for high-performance asymmetric supercapacitors. <i>Energy and Environmental Science</i> , 2016 , 9, 1299-1307	35.4	540
357	Metal-Organic-Framework-Derived Hybrid Carbon Nanocages as a Bifunctional Electrocatalyst for Oxygen Reduction and Evolution. <i>Advanced Materials</i> , 2017 , 29, 1700874	24	518
356	Sustainable Synthesis and Assembly of Biomass-Derived B/N Co-Doped Carbon Nanosheets with Ultrahigh Aspect Ratio for High-Performance Supercapacitors. <i>Advanced Functional Materials</i> , 2016 , 26, 111-119	15.6	492
355	High performance hybrid solar cells sensitized by organolead halide perovskites. <i>Energy and Environmental Science</i> , 2013 , 6, 1480	35.4	491
354	Stabilizing the MXenes by Carbon Nanoplatelet for Developing Hierarchical Nanohybrids with Efficient Lithium Storage and Hydrogen Evolution Capability. <i>Advanced Materials</i> , 2017 , 29, 1607017	24	380
353	Design and fabrication of carbon dots for energy conversion and storage. <i>Chemical Society Reviews</i> , 2019 , 48, 2315-2337	58.5	363
352	Boosting electrocatalytic oxygen evolution by synergistically coupling layered double hydroxide with MXene. <i>Nano Energy</i> , 2018 , 44, 181-190	17.1	304
351	Aggregation-Resistant 3D MXene-Based Architecture as Efficient Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Nano</i> , 2018 , 12, 8017-8028	16.7	258
350	A Layered-Nanospace-Confinement Strategy for the Synthesis of Two-Dimensional Porous Carbon Nanosheets for High-Rate Performance Supercapacitors. <i>Advanced Energy Materials</i> , 2015 , 5, 1401761	21.8	254
349	Ultrafine MoO ₂ -Carbon Microstructures Enable Ultralong-Life Power-Type Sodium Ion Storage by Enhanced Pseudocapacitance. <i>Advanced Energy Materials</i> , 2017 , 7, 1602880	21.8	237
348	Superhierarchical Cobalt-Embedded Nitrogen-Doped Porous Carbon Nanosheets as Two-in-One Hosts for High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2018 , 30, e1706895	24	235
347	A superhydrophilic nanoglue for stabilizing metal hydroxides onto carbon materials for high-energy and ultralong-life asymmetric supercapacitors. <i>Energy and Environmental Science</i> , 2017 , 10, 1958-1965	35.4	228
346	Enhanced sodium storage capability enabled by super wide-interlayer-spacing MoS ₂ integrated on carbon fibers. <i>Nano Energy</i> , 2017 , 41, 66-74	17.1	221

345	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	21.8	220
344	3D Porous N-Doped Graphene Frameworks Made of Interconnected Nanocages for Ultrahigh-Rate and Long-Life LiO ₂ Batteries. <i>Advanced Functional Materials</i> , 2015 , 25, 6913-6920	15.6	209
343	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	15.6	199
342	Iron-tuned super nickel phosphide microstructures with high activity for electrochemical overall water splitting. <i>Nano Energy</i> , 2017 , 34, 472-480	17.1	190
341	Hierarchical activated carbon nanofiber webs with tuned structure fabricated by electrospinning for capacitive deionization. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21819		188
340	High energy-power Zn-ion hybrid supercapacitors enabled by layered B/N co-doped carbon cathode. <i>Nano Energy</i> , 2019 , 66, 104132	17.1	178
339	Ultrasensitive Iron-Triggered Nanosized Fe ₃ O ₄ OOH Integrated with Graphene for Highly Efficient Oxygen Evolution. <i>Advanced Energy Materials</i> , 2017 , 7, 1602148	21.8	177
338	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	8.9	173
337	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	15.6	168
336	Facile fabrication of MWCNT-doped NiCoAl-layered double hydroxide nanosheets with enhanced electrochemical performances. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1963-1968	13	164
335	Engineering hollow polyhedrons structured from carbon-coated CoSe ₂ nanospheres bridged by CNTs with boosted sodium storage performance. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13591-13600 ¹³		160
334	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	13	159
333	Highly Stretchable and Ultrasensitive Strain Sensor Based on Reduced Graphene Oxide Microtubes-Elastomer Composite. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 27432-9	9.5	159
332	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	9.6	157
331	Nanohybrids from NiCoAl-LDH coupled with carbon for pseudocapacitors: understanding the role of nano-structured carbon. <i>Nanoscale</i> , 2014 , 6, 3097-104	7.7	156
330	Highly mesoporous activated carbon electrode for capacitive deionization. <i>Separation and Purification Technology</i> , 2013 , 103, 216-221	8.3	153
329	A hierarchically porous and hydrophilic 3D nickel-Iron/MXene electrode for accelerating oxygen and hydrogen evolution at high current densities. <i>Nano Energy</i> , 2019 , 63, 103880	17.1	149
328	Synthesis of hierarchical porous carbons for supercapacitors from coal tar pitch with nano-Fe ₂ O ₃ as template and activation agent coupled with KOH activation. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9440	13	149

327	Surface-Confined Fabrication of Ultrathin Nickel Cobalt-Layered Double Hydroxide Nanosheets for High-Performance Supercapacitors. <i>Advanced Functional Materials</i> , 2018 , 28, 1803272	15.6	149
326	Direct synthesis of 3D hollow porous graphene balls from coal tar pitch for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19633-19640	13	146
325	Strategies and insights towards the intrinsic capacitive properties of MnO ₂ for supercapacitors: Challenges and perspectives. <i>Nano Energy</i> , 2019 , 57, 459-472	17.1	144
324	NiCo-layered double hydroxides vertically assembled on carbon fiber papers as binder-free high-active electrocatalysts for water oxidation. <i>Carbon</i> , 2016 , 110, 1-7	10.4	137
323	Ultrahigh Rate and Long-Life Sodium-Ion Batteries Enabled by Engineered Surface and Near-Surface Reactions. <i>Advanced Materials</i> , 2018 , 30, 1702486	24	130
322	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	21.8	126
321	Surface-treated carbon electrodes with modified potential of zero charge for capacitive deionization. <i>Water Research</i> , 2016 , 93, 30-37	12.5	125
320	Thin-Sheet Carbon Nanomesh with an Excellent Electrocapacitive Performance. <i>Advanced Functional Materials</i> , 2015 , 25, 5420-5427	15.6	125
319	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, 5120-5	7.7	124
318	Freestanding Flexible Li ₂ S Paper Electrode with High Mass and Capacity Loading for High-Energy LiS Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1700018	21.8	122
317	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	19.4	121
316	MXene-Based Electrode with Enhanced Pseudocapacitance and Volumetric Capacity for Power-Type and Ultra-Long Life Lithium Storage. <i>ACS Nano</i> , 2018 , 12, 3928-3937	16.7	120
315	A simple and scalable method for preparing low-defect ZIF-8 tubular membranes. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10635	13	116
314	Carbon-supported Ni nanoparticles for efficient CO electroreduction. <i>Chemical Science</i> , 2018 , 9, 8775-8780	9.4	116
313	Zinc-blende ZnO and its role in nucleating wurtzite tetrapods and twinned nanowires. <i>Applied Physics Letters</i> , 2007 , 90, 153510	3.4	115
312	Formation of two-dimensional transition metal oxide nanosheets with nanoparticles as intermediates. <i>Nature Materials</i> , 2019 , 18, 970-976	27	114
311	N/P-Codoped Thermally Reduced Graphene for High-Performance Supercapacitor Applications. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 14912-14919	3.8	114
310	Mass and Charge Transfer Coenhanced Oxygen Evolution Behaviors in CoFe-Layered Double Hydroxide Assembled on Graphene. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500782	4.6	113

309	Carbon-Stabilized Interlayer-Expanded Few-Layer MoSe Nanosheets for Sodium Ion Batteries with Enhanced Rate Capability and Cycling Performance. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32324-32332	9.5	105
308	Asymmetric capacitive deionization utilizing nitric acid treated activated carbon fiber as the cathode. <i>Electrochimica Acta</i> , 2015 , 176, 426-433	6.7	104
307	Mesoporous microspheres composed of carbon-coated TiO ₂ nanocrystals with exposed {001} facets for improved visible light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 958-964	21.8	104
306	Graphene Sheets from Graphitized Anthracite Coal: Preparation, Decoration, and Application. <i>Energy & Fuels</i> , 2012 , 26, 5186-5192	4.1	104
305	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	16.4	101
304	Interlayer expanded MoS ₂ enabled by edge effect of graphene nanoribbons for high performance lithium and sodium ion batteries. <i>Carbon</i> , 2016 , 109, 461-471	10.4	100
303	Sulfur-infiltrated graphene-backboned mesoporous carbon nanosheets with a conductive polymer coating for long-life lithium-sulfur batteries. <i>Nanoscale</i> , 2015 , 7, 7569-73	7.7	99
302	Boron-doped graphene as a high-efficiency counter electrode for dye-sensitized solar cells. <i>Chemical Communications</i> , 2014 , 50, 3328-30	5.8	99
301	Rapid and energy-efficient microwave pyrolysis for high-yield production of highly-active bifunctional electrocatalysts for water splitting. <i>Energy and Environmental Science</i> , 2020 , 13, 545-553	35.4	99
300	Engineering Multifunctional Collaborative Catalytic Interface Enabling Efficient Hydrogen Evolution in All pH Range and Seawater. <i>Advanced Energy Materials</i> , 2019 , 9, 1901333	21.8	98
299	Bridging of Ultrathin NiCo ₂ O ₄ Nanosheets and Graphene with Polyaniline: A Theoretical and Experimental Study. <i>Chemistry of Materials</i> , 2016 , 28, 5855-5863	9.6	96
298	Restructuring of CuO to CuO@Cu-Metal-Organic Frameworks for Selective Electrochemical Reduction of CO. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9904-9910	9.5	95
297	Starch Derived Porous Carbon Nanosheets for High-Performance Photovoltaic Capacitive Deionization. <i>Environmental Science & Technology</i> , 2017 , 51, 9244-9251	10.3	93
296	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, 6673-6	5.8	92
295	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	15.6	90
294	Highly Stable Hybrid Capacitive Deionization with a MnO ₂ Anode and a Positively Charged Cathode. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 98-102	11	90
293	Graphene-mediated highly-dispersed MoS ₂ nanosheets with enhanced triiodide reduction activity for dye-sensitized solar cells. <i>Carbon</i> , 2016 , 100, 474-483	10.4	88
292	Aerobic oxidation of alcohols over Au/TiO ₂ : An insight on the promotion effect of water on the catalytic activity of Au/TiO ₂ . <i>Catalysis Communications</i> , 2008 , 9, 2278-2281	3.2	87

291	Ultrafast Fabrication of Covalently Cross-linked Multifunctional Graphene Oxide Monoliths. <i>Advanced Functional Materials</i> , 2014 , 24, 4915-4921	15.6	86
290	Photocatalytic Fixation of Nitrogen to Ammonia by Single Ru Atom Decorated TiO ₂ Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 6813-6820	8.3	85
289	Flexible Paper-like Free-Standing Electrodes by Anchoring Ultrafine SnS Nanocrystals on Graphene Nanoribbons for High-Performance Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15484-15491	9.5	84
288	Electrocatalytic Oxidation of Glycerol to Formic Acid by CuCo ₂ O ₄ Spinel Oxide Nanostructure Catalysts. <i>ACS Catalysis</i> , 2020 , 10, 6741-6752	13.1	77
287	GO-guided direct growth of highly oriented metal-organic framework nanosheet membranes for H ₂ /CO separation. <i>Chemical Science</i> , 2018 , 9, 4132-4141	9.4	76
286	Strongly Coupled Architectures of Cobalt Phosphide Nanoparticles Assembled on Graphene as Bifunctional Electrocatalysts for Water Splitting. <i>ChemElectroChem</i> , 2016 , 3, 719-725	4.3	75
285	Chemically grafting graphene oxide to B,N co-doped graphene via ionic liquid and their superior performance for triiodide reduction. <i>Nano Energy</i> , 2016 , 25, 184-192	17.1	75
284	Strategies to suppress hydrogen evolution for highly selective electrocatalytic nitrogen reduction: challenges and perspectives. <i>Energy and Environmental Science</i> , 2021 , 14, 1176-1193	35.4	74
283	Free-standing, hierarchically porous carbon nanotube film as a binder-free electrode for high-energy LiO ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 12033	13	71
282	Electrochemical ammonia synthesis: Mechanistic understanding and catalyst design. <i>Chem</i> , 2021 , 7, 1708-1714	16.254	70
281	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	16.3	69
280	Template preparation of nanoscale CexFe1-xO ₂ solid solutions and their catalytic properties for ethanol steam reforming. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1417		68
279	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	13	67
278	Cellular carbon-wrapped 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	13	67
277	Nanopore-confined g-C ₃ N ₄ 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	13	67
276	Efficient CO ₂ electroreduction over pyridinic-N active sites highly exposed on wrinkled porous carbon nanosheets. <i>Chemical Engineering Journal</i> , 2018 , 351, 613-621	14.7	67
275	Template Preparation of Highly Active and Selective Cu ₂ S Catalysts with High Surface Area for Glycerol Hydrogenolysis. <i>Catalysis Letters</i> , 2009 , 130, 169-176	2.8	67
274	Membrane-Free Hybrid Capacitive Deionization System Based on Redox Reaction for High-Efficiency NaCl Removal. <i>Environmental Science & Technology</i> , 2019 , 53, 6292-6301	10.3	66

273	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	15.6	66
272	Nitrogen-doped graphene nanoribbons for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16832-16835	13	65
271	Enhancing capacitive deionization performance of electrospun activated carbon nanofibers by coupling with carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , 2015 , 446, 373-8	9.3	63
270	Pitch-derived N-doped porous carbon nanosheets with expanded interlayer distance as high-performance sodium-ion battery anodes. <i>Fuel Processing Technology</i> , 2018 , 177, 328-335	7.2	62
269	Recent advances in innovative strategies for the CO ₂ electroreduction reaction. <i>Energy and Environmental Science</i> , 2021 , 14, 765-780	35.4	61
268	BCN nanosheets templated by g-C ₃ N ₄ for high performance capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14644-14650	13	61
267	Nanogeosciences: Research History, Current Status, and Development Trends. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 5930-5965	1.3	60
266	Dual integration system endowing two-dimensional titanium disulfide with enhanced triiodide reduction performance in dye-sensitized solar cells. <i>Nano Energy</i> , 2016 , 22, 59-69	17.1	59
265	Adsorptive Removal of Thiophenic Compounds from Oils by Activated Carbon Modified with Concentrated Nitric Acid. <i>Energy & Fuels</i> , 2013 , 27, 1499-1505	4.1	59
264	CoMn Layered Double Hydroxides/Carbon Nanotubes Architectures as High-Performance Electrocatalysts for the Oxygen Evolution Reaction. <i>ChemElectroChem</i> , 2016 , 3, 906-912	4.3	58
263	Sulfonated Graphene as Cation-Selective Coating: A New Strategy for High-Performance Membrane Capacitive Deionization. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500372	4.6	58
262	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	17.1	57
261	High-energy quasi-solid-state supercapacitors enabled by carbon nanofoam from biowaste and high-voltage inorganic gel electrolyte. <i>Carbon</i> , 2019 , 149, 273-280	10.4	57
260	High-Stacking-Density, Superior-Roughness LDH Bridged with Vertically Aligned Graphene for High-Performance Asymmetric Supercapacitors. <i>Small</i> , 2017 , 13, 1701288	11	56
259	Low-temperature plasma-assisted preparation of graphene supported palladium nanoparticles with high hydrodesulfurization activity. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14363		56
258	Toward commercial-level mass-loading electrodes for supercapacitors: opportunities, challenges and perspectives. <i>Energy and Environmental Science</i> , 2021 , 14, 576-601	35.4	56
257	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	11.5	55
256	Ultrastable and high-capacity carbon nanofiber anodes derived from pitch/polyacrylonitrile for flexible sodium-ion batteries. <i>Carbon</i> , 2018 , 135, 187-194	10.4	54

255	Porosity-Induced High Selectivity for CO ₂ Electroreduction to CO on Fe-Doped ZIF-Derived Carbon Catalysts. <i>ACS Catalysis</i> , 2019 , 9, 11579-11588	13.1	52
254	Rational design of high-performance sodium-ion battery anode by molecular engineering of coal tar pitch. <i>Chemical Engineering Journal</i> , 2018 , 342, 52-60	14.7	51
253	New Pd/SiO ₂ @ZIF-8 Core-Shell Catalyst with Selective, Antipoisoning, and Antileaching Properties for the Hydrogenation of Alkenes. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 10906-10913	13	51
252	Low temperature plasma-mediated synthesis of graphene nanosheets for supercapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 6061		51
251	Perspectives on solution processing of two-dimensional MXenes. <i>Materials Today</i> , 2021 , 48, 214-214	21.8	51
250	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	19.4	51
249	Nitrogen-doped porous carbon from coal for high efficiency CO ₂ electrocatalytic reduction. <i>Carbon</i> , 2019 , 151, 46-52	10.4	50
248	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	10.4	50
247	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	50
246	3D nickel-cobalt phosphide heterostructure for high-performance solid-state hybrid supercapacitors. <i>Journal of Power Sources</i> , 2020 , 467, 228324	8.9	50
245	Nitrogen and phosphorus dual-doped graphene as a metal-free high-efficiency electrocatalyst for triiodide reduction. <i>Nanoscale</i> , 2016 , 8, 17458-17464	7.7	50
244	Accelerating polysulfide redox conversion on bifunctional electrocatalytic electrode for stable Li-S batteries. <i>Energy Storage Materials</i> , 2019 , 20, 98-107	19.4	50
243	Phase controllable synthesis of Ni ²⁺ post-modified CoP nanowire for enhanced oxygen evolution. <i>Nano Energy</i> , 2019 , 62, 136-143	17.1	49
242	Enhancing the capacitive deionization performance of NaMnO ₂ by interface engineering and redox-reaction. <i>Environmental Science: Nano</i> , 2019 , 6, 2379-2388	7.1	49
241	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	9.6	49
240	Shape-Control and Characterization of Magnetite Prepared via a One-Step Solvothermal Route. <i>Crystal Growth and Design</i> , 2010 , 10, 2863-2869	3.5	49
239	A Universal Converse Voltage Process for Triggering Transition Metal Hybrids In Situ Phase Reconstruction toward Ultrahigh-Rate Supercapacitors. <i>Advanced Materials</i> , 2019 , 31, e1901241	24	48
238	Operando Revealing Dynamic Reconstruction of NiCo Carbonate Hydroxide for High-Rate Energy Storage. <i>Joule</i> , 2020 , 4, 673-687	27.8	48

237	3D N,O-Codoped Egg-Box-Like Carbons with Tuned Channels for High Areal Capacitance Supercapacitors. <i>Nano-Micro Letters</i> , 2020 , 12, 82	19.5	47
236	Sustainable biowaste strategy to fabricate dual-doped carbon frameworks with remarkable performance for flexible solid-state supercapacitors. <i>Journal of Power Sources</i> , 2019 , 418, 112-121	8.9	46
235	Supramolecular polymerization-assisted synthesis of nitrogen and sulfur dual-doped porous graphene networks from petroleum coke as efficient metal-free electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 11331-11339	13	45
234	An acid-free medium growth of rutile TiO ₂ nanorods arrays and their application in perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 729-733	7.1	45
233	Ni, Co hydroxide triggers electrocatalytic production of high-purity benzoic acid over 400 mA cm ⁻² . <i>Energy and Environmental Science</i> , 2020 , 13, 4990-4999	35.4	45
232	Decoupling and correlating the ion transport by engineering 2D carbon nanosheets for enhanced charge storage. <i>Nano Energy</i> , 2019 , 64, 103921	17.1	44
231	Inherent N,O-containing carbon frameworks as electrode materials for high-performance supercapacitors. <i>Nanoscale</i> , 2016 , 8, 16323-16331	7.7	44
230	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	13	43
229	Calcined MgAl-Layered Double Hydroxide/Graphene Hybrids for Capacitive Deionization. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 6417-6425	3.9	43
228	Electrospun porous hierarchical carbon nanofibers with tailored structures for supercapacitors and capacitive deionization. <i>New Journal of Chemistry</i> , 2016 , 40, 3786-3792	3.6	43
227	Electrochemical and Capacitive Properties of Carbon Dots/Reduced Graphene Oxide Supercapacitors. <i>Nanomaterials</i> , 2016 , 6,	5.4	43
226	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	8.3	42
225	Preparation and gas separation performance of supported carbon membranes with ordered mesoporous carbon interlayer. <i>Journal of Membrane Science</i> , 2014 , 450, 469-477	9.6	42
224	Polymer casting of ultralight graphene aerogels for the production of conductive nanocomposites with low filling content. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3756-3760	13	42
223	Synergies between Unsaturated Zn/Cu Doping Sites in Carbon Dots Provide New Pathways for Photocatalytic Oxidation. <i>ACS Catalysis</i> , 2018 , 8, 747-753	13.1	42
222	Facile synthesis of highly graphitized porous carbon monoliths with a balance on crystallization and pore-structure. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12785-12791	13	41
221	Towards efficient electrocatalysts for oxygen reduction by doping cobalt into graphene-supported graphitic carbon nitride. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19657-19661	13	40
220	Achieving ultralong life sodium storage in amorphous cobalt in binary sulfide nanoboxes sheathed in N-doped carbon. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10398-10405	13	39

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