

Han Hu

List of Publications by Year in descending order

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207
papers

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22984
citing authors

#	ARTICLE	IF	CITATIONS
1	The Mechanism of Piezocatalysis: Energy Band Theory or Screening Charge Effect?. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202110429.	13.8	79
2	The Mechanism of Piezocatalysis: Energy Band Theory or Screening Charge Effect?. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	34
3	A Copper Iodide Cluster-Based Metal-Organic Polyhedra for Photocatalytic Click Chemistry. <i>Small Structures</i> , 2022, 3, 2100155.	12.0	17
4	Polycyclic Aromatic Hydrocarbons as a New Class of Promising Cathode Materials for Aluminum-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202114681.	13.8	37
5	Polycyclic Aromatic Hydrocarbons as a New Class of Promising Cathode Materials for Aluminum-Ion Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	7
6	Recent advances in the synthesis of nanoscale hierarchically porous metal-organic frameworks. <i>Nano Materials Science</i> , 2022, 4, 351-365.	8.8	29
7	Passivating the pH-Responsive Sites to Configure a Widely pH-Stable Emulsifier for High-Efficiency Benzyl Alcohol Oxidation. <i>ChemSusChem</i> , 2022, 15, .	6.8	4
8	Applications of nanogenerators for biomedical engineering and healthcare systems. <i>Information Materials</i> , 2022, 4, .	17.3	45
9	Templating synthesis of porous carbons for energy-related applications: A review. <i>New Carbon Materials</i> , 2022, 37, 25-45.	6.1	25
10	Kinetically accelerated and high-mass loaded lithium storage enabled by atomic iron embedded carbon nanofibers. <i>Nano Research</i> , 2022, 15, 6176-6183.	10.4	12
11	Oxygen-Deficient Metal Oxides for Supercapacitive Energy Storage: From Theoretical Calculation to Structural Regulation and Utilization. <i>Advanced Energy and Sustainability Research</i> , 2022, 3, .	5.8	5
12	A metal-organic framework-modified separator enables long cycling lithium-ion capacitors with asymmetric electrolyte design. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19852-19858.	10.3	8
13	Strategies to activate inert nitrogen molecules for efficient ammonia electrosynthesis: current status, challenges, and perspectives. <i>Energy and Environmental Science</i> , 2022, 15, 2776-2805.	30.8	48
14	Pickering Emulsion Catalysis: Interfacial Chemistry, Catalyst Design, Challenges, and Perspectives. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	10
15	Pickering Emulsion Catalysis: Interfacial Chemistry, Catalyst Design, Challenges, and Perspectives. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	60
16	Petroleum pitch derived carbon as both cathode and anode materials for advanced potassium-ion hybrid capacitors. <i>Carbon</i> , 2022, 196, 727-735.	10.3	17
17	Nitrogen-doped hollow carbon nanoboxes in zwitterionic polymer hydrogel electrolyte for superior quasi-solid-state zinc-ion hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12856-12868.	10.3	16
18	Unraveling the Evolution of Transition Metals during Li Alloying-Dealloying by In-Operando Magnetometry. <i>Chemistry of Materials</i> , 2022, 34, 5852-5859.	6.7	19

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19	MXene-mediated regulation of local electric field surrounding polyoxometalate nanoparticles for improved lithium storage. <i>Science China Materials</i> , 2022, 65, 2958-2966.	6.3	8
20	Toward commercial-level mass-loading electrodes for supercapacitors: opportunities, challenges and perspectives. <i>Energy and Environmental Science</i> , 2021, 14, 576-601.	30.8	166
21	High-performance aluminum-polyaniline battery based on the interaction between aluminum ion and -NH groups. <i>Science China Materials</i> , 2021, 64, 318-328.	6.3	31
22	Non-corrosive and low-cost synthesis of hierarchically porous carbon frameworks for high-performance lithium-ion capacitors. <i>Carbon</i> , 2021, 173, 646-654.	10.3	40
23	Reinforced atomically dispersed Fe N C catalysts derived from petroleum asphalt for oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 810-819.	9.4	23
24	High-performance metal-iodine batteries enabled by a bifunctional dendrite-free Li-Na alloy anode. <i>Journal of Materials Chemistry A</i> , 2021, 9, 538-545.	10.3	18
25	Preparation and piezoelectric catalytic performance of flexible inorganic Ba _{1-x} Ca _x TiO ₃ electrospinning. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24695-24703.	10.3	18
26	Boosting the Pseudocapacitive and High Mass-Loaded Lithium/Sodium Storage through Bonding Polyoxometalate Nanoparticles on MXene Nanosheets. <i>Advanced Functional Materials</i> , 2021, 31, 2007636.	14.9	53
27	Energy Accumulation Enabling Fast Synthesis of Intercalated Graphite and Operando Decoupling for Lithium Storage. <i>Advanced Functional Materials</i> , 2021, 31, 2009801.	14.9	9
28	Innentitelbild: Fe/Fe ₃ C Boosts H ₂ O Utilization for Methane Conversion Overwhelming O ₂ Generation (Angew. Chem. 16/2021). <i>Angewandte Chemie</i> , 2021, 133, 8642-8642.	2.0	0
29	Fe/Fe ₃ C Boosts H ₂ O Utilization for Methane Conversion Overwhelming O ₂ Generation. <i>Angewandte Chemie</i> , 2021, 133, 8971-8977.	2.0	26
30	Three-dimensional printing of high-mass loading electrodes for energy storage applications. <i>Informa Materials</i> , 2021, 3, 631-647.	17.3	50
31	Fe/Fe ₃ C Boosts H ₂ O Utilization for Methane Conversion Overwhelming O ₂ Generation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8889-8895.	13.8	66
32	Design and Fabrication of Hierarchical NiCoP-MOF Heterostructure with Enhanced Pseudocapacitive Properties. <i>Small</i> , 2021, 17, e2100353.	10.0	101
33	Functional materials for eco-catalysis of small molecules. <i>EcoMat</i> , 2021, 3, e12121.	11.9	1
34	Decorating ZIF-67-derived cobalt-nitrogen doped carbon nanocapsules on 3D carbon frameworks for efficient oxygen reduction and oxygen evolution. <i>Carbon</i> , 2021, 177, 344-356.	10.3	67
35	All-Climate Aluminum-Ion Batteries Based on Binder-Free MOF-Derived FeS ₂ @C/CNT Cathode. <i>Nano-Micro Letters</i> , 2021, 13, 159.	27.0	29
36	Carbon-enabled microwave chemistry: From interaction mechanisms to nanomaterial manufacturing. <i>Nano Energy</i> , 2021, 85, 106027.	16.0	50

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37	Water-soluble Salt Template-Assisted Anchor of Hollow FeS ₂ Nanoparticle Inside 3D Carbon Skeleton to Achieve Fast Potassium-Ion Storage. <i>Advanced Energy Materials</i> , 2021, 11, 2101343.	19.5	56
38	Reacquainting the Electrochemical Conversion Mechanism of FeS ₂ Sodium-Ion Batteries by Operando Magnetometry. <i>Journal of the American Chemical Society</i> , 2021, 143, 12800-12808.	13.7	69
39	Precious potential regulation of carbon cathode enabling high-performance lithium-ion capacitors. <i>Carbon</i> , 2021, 180, 110-117.	10.3	19
40	Unraveling the Synergy of Chemical Hydroxylation and the Physical Heterointerface upon Improving the Hydrogen Evolution Kinetics. <i>ACS Nano</i> , 2021, 15, 15017-15026.	14.6	59
41	Direct Conversion of CO ₂ to Ethanol Boosted by Intimacy-Sensitive Multifunctional Catalysts. <i>ACS Catalysis</i> , 2021, 11, 11742-11753.	11.2	69
42	Carbon dots-oriented synthesis of fungus-like CoP microspheres as a bifunctional electrocatalyst for efficient overall water splitting. <i>Carbon</i> , 2021, 182, 327-334.	10.3	46
43	Robust and Fast Lithium Storage Enabled by Polypyrrole-Coated Nitrogen and Phosphorus Co-Doped Hollow Carbon Nanospheres for Lithium-Ion Capacitors. <i>Frontiers in Chemistry</i> , 2021, 9, 760473.	3.6	8
44	Fe, N co-doped amorphous carbon as efficient electrode materials for fast and stable Na/K-storage. <i>Electrochimica Acta</i> , 2021, 396, 139265.	5.2	11
45	Three-dimensional hierarchical Na ₃ Fe ₂ (PO ₄) ₃ /C with superior and fast sodium uptake for efficient hybrid capacitive deionization. <i>Desalination</i> , 2021, 520, 115341.	8.2	41
46	A temperature-dependent phosphorus doping on Ti ₃ C ₂ T _x MXene for enhanced supercapacitance. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 239-247.	9.4	30
47	Flexible electrodes with high areal capacity based on electrospun fiber mats. <i>Nanoscale</i> , 2021, 13, 18391-18409.	5.6	15
48	In Situ Construction of Nickel Sulfide Nano-Heterostructures for Highly Efficient Overall Urea Electrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15582-15590.	6.7	17
49	Boosting the performance of hybrid supercapacitors through redox electrolyte-mediated capacity balancing. <i>Nano Energy</i> , 2020, 68, 104226.	16.0	48
50	Promoting the electroreduction of CO ₂ with oxygen vacancies on a plasma-activated SnO _x /carbon foam monolithic electrode. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1779-1786.	10.3	56
51	Small graphite nanoflakes as an advanced cathode material for aluminum ion batteries. <i>Chemical Communications</i> , 2020, 56, 1593-1596.	4.1	24
52	A non-toxic triboelectric nanogenerator for baby care applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22745-22753.	10.3	36
53	Engineering Kinetics-Favorable Carbon Sheets with an Intrinsic Network for a Superior Supercapacitor Containing a Dual Cross-linked Hydrogel Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53164-53173.	8.0	23
54	Imine-functionalized polysiloxanes for supramolecular elastomers with tunable mechanical properties. <i>Polymer Chemistry</i> , 2020, 11, 7721-7728.	3.9	21

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55	Controllable Substitution of S Radicals on Triazine Covalent Framework to Expedite Degradation of Polysulfides. <i>Small</i> , 2020, 16, e2004631.	10.0	19
56	Sub-5-nm Monolayer Silicane Transistor: A First-Principles Quantum Transport Simulation. <i>Physical Review Applied</i> , 2020, 14, .	3.8	38
57	Lithiation-Induced Vacancy Engineering of Co ₃ O ₄ with Improved Faradic Reactivity for High-Performance Supercapacitor. <i>Advanced Functional Materials</i> , 2020, 30, 2004172.	14.9	156
58	Î ² -Hydrogen of Polythiophene Induced Aluminum Ion Storage for High-Performance Al-Polythiophene Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 46065-46072.	8.0	31
59	Regulation of the cathode for amphi-charge storage in a redox electrolyte for high-energy lithium-ion capacitors. <i>Chemical Communications</i> , 2020, 56, 12777-12780.	4.1	9
60	SnO ₂ nanoflower arrays on an amorphous buffer layer as binder-free electrodes for flexible lithium-ion batteries. <i>Applied Surface Science</i> , 2020, 527, 146910.	6.1	42
61	Ohmic contacts of monolayer TiO ₂ field-effect transistors. <i>Journal of Materials Science</i> , 2020, 55, 11439-11450.	3.7	9
62	Heavy oil-derived carbon for energy storage applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7066-7082.	10.3	57
63	Laser Irradiation of Electrode Materials for Energy Storage and Conversion. <i>Matter</i> , 2020, 3, 95-126.	10.0	74
64	Fabrication of Porous Carbon Nanosheets with the Engineered Graphitic Structure for Electrochemical Supercapacitors. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 13623-13630.	3.7	12
65	Operando Revealing Dynamic Reconstruction of NiCo Carbonate Hydroxide for High-Rate Energy Storage. <i>Joule</i> , 2020, 4, 673-687.	24.0	88
66	DBD plasma-tuned functionalization of edge-enriched graphene nanoribbons for high performance supercapacitors. <i>Electrochimica Acta</i> , 2020, 337, 135741.	5.2	13
67	Intrinsic Defect-Rich Hierarchically Porous Carbon Architectures Enabling Enhanced Capture and Catalytic Conversion of Polysulfides. <i>ACS Nano</i> , 2020, 14, 6222-6231.	14.6	89
68	Lattice distortion induced internal electric field in TiO ₂ photoelectrode for efficient charge separation and transfer. <i>Nature Communications</i> , 2020, 11, 2129.	12.8	108
69	Layered double hydroxides derived NiCo-sulfide as a cathode material for aluminum ion batteries. <i>Electrochimica Acta</i> , 2020, 344, 136174.	5.2	26
70	Self-supported transition metal oxide electrodes for electrochemical energy storage. <i>Tungsten</i> , 2020, 2, 337-361.	4.8	39
71	Manipulation of interlayer spacing and surface charge of carbon nanosheets for robust lithium/sodium storage. <i>Carbon</i> , 2019, 153, 372-380.	10.3	39
72	Sandwich-Like Ultrathin TiS ₂ Nanosheets Confined within N, S Codoped Porous Carbon as an Effective Polysulfide Promoter in Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901872.	19.5	186

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73	Sliding non-contact inductive nanogenerator. <i>Nano Energy</i> , 2019, 63, 103878.	16.0	23
74	Reexamination of the Schottky Barrier Heights in Monolayer MoS ₂ Field-Effect Transistors. <i>ACS Applied Nano Materials</i> , 2019, 2, 4717-4726.	5.0	27
75	Self-Supported Amorphous SnO ₂ /TiO ₂ Nanocomposite Films with Improved Electrochemical Performance for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2019, 166, A3072-A3078.	2.9	45
76	Multilevel Coupled Hybrids Made of Porous Cobalt Oxides and Graphene for High-Performance Lithium Storage. <i>Chemistry - A European Journal</i> , 2019, 25, 5527-5533.	3.3	6
77	Polyethylenimine Expanded Graphite Oxide Enables High Sulfur Loading and Long-Term Stability of Lithium-Sulfur Batteries. <i>Small</i> , 2019, 15, e1804578.	10.0	30
78	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
79	Green and scalable synthesis of porous carbon nanosheet-assembled hierarchical architectures for robust capacitive energy harvesting. <i>Carbon</i> , 2019, 152, 537-544.	10.3	45
80	Polyethyleneimine-Mediated Fabrication of Two-Dimensional Cobalt Sulfide/Graphene Hybrid Nanosheets for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26235-26242.	8.0	35
81	Microwave-Assisted Ultrafast Synthesis of Molybdenum Carbide Nanoparticles Grown on Carbon Matrix for Efficient Hydrogen Evolution Reaction. <i>Small Methods</i> , 2019, 3, 1900259.	8.6	46
82	A Portable and Efficient Solar-Rechargeable Battery with Ultrafast Photo-Charge/Discharge Rate. <i>Advanced Energy Materials</i> , 2019, 9, 1900872.	19.5	49
83	Unlocking the potential of commercial carbon nanofibers as free-standing positive electrodes for flexible aluminum ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15123-15130.	10.3	32
84	A Phase Transformation-Resistant Electrode Enabled by a MnO ₂ -Confined Effect for Enhanced Energy Storage. <i>Advanced Functional Materials</i> , 2019, 29, 1901342.	14.9	18
85	Design and fabrication of carbon dots for energy conversion and storage. <i>Chemical Society Reviews</i> , 2019, 48, 2315-2337.	38.1	552
86	Covalent bonds-integrated graphene foam with superb electromechanical properties as elastic conductor and compressive sensor. <i>Carbon</i> , 2019, 147, 206-213.	10.3	32
87	Synthesis of Biomass-Derived Nitrogen-Doped Porous Carbon Nanosheets for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8405-8412.	6.7	203
88	Highly stable lithium-sulfur batteries based on π -heterojunctions embedded on hollow sheath carbon propelling polysulfides conversion. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9230-9240.	10.3	79
89	Graphene oxide-induced synthesis of button-shaped amorphous Fe ₂ O ₃ /rGO/CNFs films as flexible anode for high-performance lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 369, 215-222.	12.7	79
90	Robust NiCoP/CoP Heterostructures for Highly Efficient Hydrogen Evolution Electrocatalysis in Alkaline Solution. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15528-15536.	8.0	139

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91	Sulfur bridges between Co ₉ S ₈ nanoparticles and carbon nanotubes enabling robust oxygen electrocatalysis. Carbon, 2019, 144, 259-268.	10.3	41
92	Designed synthesis of cobalt nanoparticles embedded carbon nanocages as bifunctional electrocatalysts for oxygen evolution and reduction. Carbon, 2019, 144, 492-499.	10.3	31
93	Theoretical and Experimental Insights into the Effects of Oxygen-Containing Species within CNTs toward Triiodide Reduction. ACS Sustainable Chemistry and Engineering, 2019, 7, 7527-7534.	6.7	10
94	Accelerating polysulfide redox conversion on bifunctional electrocatalytic electrode for stable Li-S batteries. Energy Storage Materials, 2019, 20, 98-107.	18.0	87
95	Nitrogen-doped carbon nanotubes decorated with cobalt nanoparticles derived from zeolitic imidazolate framework-67 for highly efficient oxygen reduction reaction electrocatalysis. Carbon, 2018, 132, 580-588.	10.3	68
96	Scrutinizing Defects and Defect Density of Selenium-Doped Graphene for High-Efficiency Triiodide Reduction in Dye-Sensitized Solar Cells. Angewandte Chemie - International Edition, 2018, 57, 4682-4686.	13.8	155
97	Scrutinizing Defects and Defect Density of Selenium-Doped Graphene for High-Efficiency Triiodide Reduction in Dye-Sensitized Solar Cells. Angewandte Chemie, 2018, 130, 4772-4776.	2.0	28
98	3D self-assembly synthesis of hierarchical porous carbon from petroleum asphalt for supercapacitors. Carbon, 2018, 134, 345-353.	10.3	103
99	Metal-Organic Frameworks Mediated Synthesis of One-Dimensional Molybdenum-Based/Carbon Composites for Enhanced Lithium Storage. ACS Nano, 2018, 12, 1990-2000.	14.6	221
100	Ultrahigh Rate and Long-Life Sodium-Ion Batteries Enabled by Engineered Surface and Near-Surface Reactions. Advanced Materials, 2018, 30, 1702486.	21.0	153
101	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
102	Nanopore-confined g-C ₃ N ₄ nanodots in N, S co-doped hollow porous carbon with boosted capacity for lithium-sulfur batteries. Journal of Materials Chemistry A, 2018, 6, 7133-7141.	10.3	80
103	An effective graphene confined strategy to construct active edge sites-enriched nanosheets with enhanced oxygen evolution. Carbon, 2018, 126, 437-442.	10.3	37
104	Template-free synthesis of interconnected carbon nanosheets <i>in situ</i> cross-linking coupled with annealing for high-efficiency triiodide reduction. Green Chemistry, 2018, 20, 250-254.	9.0	7
105	Nitrogen-doped porous carbon with well-balanced charge conduction and electrocatalytic activity for dye-sensitized solar cells. Carbon, 2018, 128, 201-204.	10.3	18
106	A Binder-Free and Free-Standing Cobalt Sulfide@Carbon Nanotube Cathode Material for Aluminum-Ion Batteries. Advanced Materials, 2018, 30, 1703824.	21.0	250
107	An Integrated Strategy towards Enhanced Performance of the Lithium-Sulfur Battery and its Fading Mechanism. Chemistry - A European Journal, 2018, 24, 18544-18550.	3.3	14
108	An amorphous tin-based nanohybrid for ultra-stable sodium storage. Journal of Materials Chemistry A, 2018, 6, 18920-18927.	10.3	22

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109	Molecular-level anchoring of polymer cathodes on carbon nanotubes towards rapid-rate and long-cycle sodium-ion storage. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1805-1810.	5.9	24
110	Complex Hollow Nanostructures: Synthesis and Energy-Related Applications. <i>Advanced Materials</i> , 2017, 29, 1604563.	21.0	627
111	General synthesis of zeolitic imidazolate framework-derived planar-N-doped porous carbon nanosheets for efficient oxygen reduction. <i>Energy Storage Materials</i> , 2017, 7, 181-188.	18.0	31
112	Ultrafine MoO ₂ -Carbon Microstructures Enable Ultralong-Life Power-Type Sodium Ion Storage by Enhanced Pseudocapacitance. <i>Advanced Energy Materials</i> , 2017, 7, 1602880.	19.5	306
113	Flexible Paper-like Free-Standing Electrodes by Anchoring Ultrafine SnS ₂ Nanocrystals on Graphene Nanoribbons for High-Performance Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15484-15491.	8.0	102
114	Stabilizing the MXenes by Carbon Nanoplatting for Developing Hierarchical Nanohybrids with Efficient Lithium Storage and Hydrogen Evolution Capability. <i>Advanced Materials</i> , 2017, 29, 1607017.	21.0	583
115	Freestanding Flexible Li ₂ 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
116	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.	10.3	54
117	Nitrogen-doped tubular/porous carbon channels implanted on graphene frameworks for multiple confinement of sulfur and polysulfides. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10380-10386.	10.3	32
118	Synthesis of layered microporous carbons from coal tar by directing, space-confinement and self-sacrificed template strategy for supercapacitors. <i>Electrochimica Acta</i> , 2017, 246, 634-642.	5.2	52
119	Two-dimensional graphene-like N, Co-codoped carbon nanosheets derived from ZIF-67 polyhedrons for efficient oxygen reduction reactions. <i>Chemical Communications</i> , 2017, 53, 7840-7843.	4.1	70
120	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.	10.3	225
121	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.	30.8	294
122	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
123	Nitrogen-doped hierarchical porous carbon derived from metal-organic aerogel for high performance lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2017, 26, 1282-1290.	12.9	56
124	Preparation of carbon nanosheets from petroleum asphalt via recyclable molten-salt method for superior lithium and sodium storage. <i>Carbon</i> , 2017, 122, 344-351.	10.3	99
125	A green and template recyclable approach to prepare Fe ₃ O ₄ /porous carbon from petroleum asphalt for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 695, 2612-2618.	5.5	49
126	In-situ growth of highly uniform and single crystalline Co ₃ O ₄ nanocubes on graphene for efficient oxygen evolution. <i>Catalysis Communications</i> , 2017, 88, 81-84.	3.3	25

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127	Synthesis of 3D Flower-like Nanocomposites of Nitrogen-Doped Carbon Nanosheets Embedded with Hollow Cobalt(II,III) Oxide Nanospheres for Lithium Storage. <i>ChemElectroChem</i> , 2017, 4, 102-108.	3.4	13
128	Electrochemical and Capacitive Properties of Carbon Dots/Reduced Graphene Oxide Supercapacitors. <i>Nanomaterials</i> , 2016, 6, 212.	4.1	55
129	Construction of Complex CoS Hollow Structures with Enhanced Electrochemical Properties for Hybrid Supercapacitors. <i>CheM</i> , 2016, 1, 102-113.	11.7	525
130	Unusual Formation of CoSe@carbon Nanoboxes, which have an Inhomogeneous Shell, for Efficient Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9514-9518.	13.8	308
131	Mass and Charge Transfer Coenhanced Oxygen Evolution Behaviors in CoFe-layered Double Hydroxide Assembled on Graphene. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500782.	3.7	165
132	Double-shelled Nanocages with Cobalt Hydroxide Inner Shell and Layered Double Hydroxides Outer Shell as High-efficiency Polysulfide Mediator for Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3982-3986.	13.8	505
133	Unusual Formation of CoSe@carbon Nanoboxes, which have an Inhomogeneous Shell, for Efficient Lithium Storage. <i>Angewandte Chemie</i> , 2016, 128, 9666-9670.	2.0	37
134	Ultrasound-assisted preparation of electrospun carbon fiber/graphene electrodes for capacitive deionization: Importance and unique role of electrical conductivity. <i>Carbon</i> , 2016, 103, 311-317.	10.3	105
135	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.	14.9	607
136	Facile one-step synthesis of highly graphitized hierarchical porous carbon nanosheets with large surface area and high capacity for lithium storage. <i>RSC Advances</i> , 2016, 6, 51146-51152.	3.6	2
137	A layered-template-nanospace-confinement strategy for production of corrugated graphene nanosheets from petroleum pitch for supercapacitors. <i>Chemical Engineering Journal</i> , 2016, 297, 121-127.	12.7	168
138	Naturally Dried Graphene Aerogels with Superelasticity and Tunable Poisson's Ratio. <i>Advanced Materials</i> , 2016, 28, 9223-9230.	21.0	254
139	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.	10.3	175
140	Frontispiece: Unusual Formation of CoSe@carbon Nanoboxes, which have an Inhomogeneous Shell, for Efficient Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2016, 55, .	13.8	3
141	Frontispiz: Unusual Formation of CoSe@carbon Nanoboxes, which have an Inhomogeneous Shell, for Efficient Lithium Storage. <i>Angewandte Chemie</i> , 2016, 128, .	2.0	0
142	Theoretical design and experimental synthesis of counter electrode for dye-sensitized solar cells: Amino-functionalized graphene. <i>Journal of Energy Chemistry</i> , 2016, 25, 861-867.	12.9	9
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