

Qingyu Yan

List of Publications by Year in descending order

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397
papers

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times ranked

38127
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene-Based Materials: Synthesis, Characterization, Properties, and Applications. <i>Small</i> , 2011, 7, 1876-1902.	10.0	2,239
2	Preparation of Novel 3D Graphene Networks for Supercapacitor Applications. <i>Small</i> , 2011, 7, 3163-3168.	10.0	980
3	Nanostructured metal sulfides for energy storage. <i>Nanoscale</i> , 2014, 6, 9889-9924.	5.6	888
4	In Situ Synthesis of Metal Nanoparticles on Single-Layer Graphene Oxide and Reduced Graphene Oxide Surfaces. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10842-10846.	3.1	702
5	Nonaqueous Hybrid Lithium-Ion and Sodium-Ion Capacitors. <i>Advanced Materials</i> , 2017, 29, 1702093.	21.0	699
6	Graphene and Graphene-Based Materials for Energy Storage Applications. <i>Small</i> , 2014, 10, 3480-3498.	10.0	653
7	In-Situ Formation of Hollow Hybrids Composed of Cobalt Sulfides Embedded within Porous Carbon Polyhedra/Carbon Nanotubes for High-Performance Lithium-Ion Batteries. <i>Advanced Materials</i> , 2015, 27, 3038-3044.	21.0	620
8	Alloy-Based Anode Materials toward Advanced Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1700622.	21.0	613
9	One-step synthesis of Ni ₃ S ₂ nanorod@Ni(OH) ₂ nanosheet core-shell nanostructures on a three-dimensional graphene network for high-performance supercapacitors. <i>Energy and Environmental Science</i> , 2013, 6, 2216-2221.	30.8	554
10	Preparation of MoS ₂ -Coated Three-Dimensional Graphene Networks for High-Performance Anode Material in Lithium-Ion Batteries. <i>Small</i> , 2013, 9, 3433-3438.	10.0	542
11	Synthesis of porous NiO nanocrystals with controllable surface area and their application as supercapacitor electrodes. <i>Nano Research</i> , 2010, 3, 643-652.	10.4	534
12	An Effective Method for the Fabrication of Few-Layer-Thick Inorganic Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9052-9056.	13.8	520
13	An Advanced Sodium-Ion Battery Composed of Carbon Coated Na ₃ V ₂ (PO ₄) ₃ in a Porous Graphene Network. <i>Advanced Materials</i> , 2015, 27, 6670-6676.	21.0	448
14	Zeolitic Imidazolate Framework 67-Derived High Symmetric Porous Co ₃ O ₄ Hollow Dodecahedra with Highly Enhanced Lithium Storage Capability. <i>Small</i> , 2014, 10, 1932-1938.	10.0	442
15	Achieving high specific charge capacitances in Fe ₃ O ₄ /reduced graphene oxide nanocomposites. <i>Journal of Materials Chemistry</i> , 2011, 21, 3422.	6.7	430
16	Hierarchical hollow spheres composed of ultrathin Fe ₂ O ₃ nanosheets for lithium storage and photocatalytic water oxidation. <i>Energy and Environmental Science</i> , 2013, 6, 987.	30.8	404
17	Graphene-Based Materials for Solar Cell Applications. <i>Advanced Energy Materials</i> , 2014, 4, 1300574.	19.5	398
18	MS ₂ (M = Co and Ni) Hollow Spheres with Tunable Interiors for High-Performance Supercapacitors and Photovoltaics. <i>Advanced Functional Materials</i> , 2014, 24, 2155-2162.	14.9	398

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19	Reduced Graphene Oxide@Wrapped MoO ₃ Composites Prepared by Using Metal-Organic Frameworks as Precursor for All-Solid-State Flexible Supercapacitors. <i>Advanced Materials</i> , 2015, 27, 4695-4701.	21.0	388
20	In situ growth of NiCo ₂ S ₄ nanosheets on graphene for high-performance supercapacitors. <i>Chemical Communications</i> , 2013, 49, 10178.	4.1	384
21	A general method for the large-scale synthesis of uniform ultrathin metal sulphide nanocrystals. <i>Nature Communications</i> , 2012, 3, 1177.	12.8	368
22	Facile synthesis of metal oxide/reduced graphene oxide hybrids with high lithium storage capacity and stable cyclability. <i>Nanoscale</i> , 2011, 3, 1084-1089.	5.6	352
23	Recent Advancements in All-Vanadium Redox Flow Batteries. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500309.	3.7	351
24	High-Energy/Power and Low-Temperature Cathode for Sodium-Ion Batteries: In Situ XRD Study and Superior Full-Cell Performance. <i>Advanced Materials</i> , 2017, 29, 1701968.	21.0	350
25	Building 3D Structures of Vanadium Pentoxide Nanosheets and Application as Electrodes in Supercapacitors. <i>Nano Letters</i> , 2013, 13, 5408-5413.	9.1	343
26	High-Power and High-Energy-Density Flexible Pseudocapacitor Electrodes Made from Porous CuO Nanobelts and Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2011, 5, 2013-2019.	14.6	340
27	Nanostructured Metal Chalcogenides for Energy Storage and Electrocatalysis. <i>Advanced Functional Materials</i> , 2017, 27, 1702317.	14.9	339
28	Predicting the state of charge and health of batteries using data-driven machine learning. <i>Nature Machine Intelligence</i> , 2020, 2, 161-170.	16.0	338
29	A High-Energy Lithium-Ion Capacitor by Integration of a 3D Interconnected Titanium Carbide Nanoparticle Chain Anode with a Pyridine-Derived Porous Nitrogen-Doped Carbon Cathode. <i>Advanced Functional Materials</i> , 2016, 26, 3082-3093.	14.9	330
30	Fe-Doped Ni ₃ C Nanodots in N-Doped Carbon Nanosheets for Efficient Hydrogen Evolution and Oxygen Evolution Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12566-12570.	13.8	324
31	Ultrathin S-doped MoSe ₂ nanosheets for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5597-5601.	10.3	317
32	Hexagonal-Phase Cobalt Monophosphosulfide for Highly Efficient Overall Water Splitting. <i>ACS Nano</i> , 2017, 11, 11031-11040.	14.6	297
33	Controlled Soft-Template Synthesis of Ultrathin C@FeS Nanosheets with High-Li-Storage Performance. <i>ACS Nano</i> , 2012, 6, 4713-4721.	14.6	293
34	Metal Oxide-Coated Three-Dimensional Graphene Prepared by the Use of Metal-Organic Frameworks as Precursors. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1404-1409.	13.8	287
35	Li ₃ V ₂ (PO ₄) ₃ cathode materials for lithium-ion batteries: A review. <i>Journal of Power Sources</i> , 2014, 258, 19-38.	7.8	284
36	Ultrathin Porous NiFeV Ternary Layer Hydroxide Nanosheets as a Highly Efficient Bifunctional Electrocatalyst for Overall Water Splitting. <i>Small</i> , 2018, 14, 1703257.	10.0	279

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37	Nanostructured metallic transition metal carbides, nitrides, phosphides, and borides for energy storage and conversion. <i>Nano Today</i> , 2019, 25, 99-121.	11.9	274
38	Porous nitrogen-rich g-C ₃ N ₄ nanotubes for efficient photocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117854.	20.2	271
39	Selective electrocatalytic synthesis of urea with nitrate and carbon dioxide. <i>Nature Sustainability</i> , 2021, 4, 868-876.	23.7	264
40	Two-Dimensional Tin Disulfide Nanosheets for Enhanced Sodium Storage. <i>ACS Nano</i> , 2015, 9, 11371-11381.	14.6	257
41	A general strategy toward graphene@metal oxide core-shell nanostructures for high-performance lithium storage. <i>Energy and Environmental Science</i> , 2011, 4, 4954.	30.8	255
42	Nanostructured Conjugated Ladder Polymers for Stable and Fast Lithium Storage Anodes with High Capacity. <i>Advanced Energy Materials</i> , 2015, 5, 1402189.	19.5	253
43	Cobalt Sulfide Nanosheet/Graphene/Carbon Nanotube Nanocomposites as Flexible Electrodes for Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12594-12599.	13.8	252
44	High-performance thermoelectrics and challenges for practical devices. <i>Nature Materials</i> , 2022, 21, 503-513.	27.5	248
45	One-Pot Synthesis of Tunable Crystalline Ni ₃ S ₄ @Amorphous MoS ₂ Core/Shell Nanospheres for High-Performance Supercapacitors. <i>Small</i> , 2015, 11, 3694-3702.	10.0	243
46	Ultrathin V ₂ O ₅ nanosheet cathodes: realizing ultrafast reversible lithium storage. <i>Nanoscale</i> , 2013, 5, 556-560.	5.6	236
47	Pushing Up Lithium Storage through Nanostructured Polyaacene Analogues as Anode. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7354-7358.	13.8	234
48	1D to 3D hierarchical iron selenide hollow nanocubes assembled from FeSe ₂ @C core-shell nanorods for advanced sodium ion batteries. <i>Energy Storage Materials</i> , 2018, 10, 48-55.	18.0	221
49	Fabrication of Flexible Thermoelectric Thin Film Devices by Inkjet Printing. <i>Small</i> , 2014, 10, 3551-3554.	10.0	219
50	High thermal conductivity of suspended few-layer hexagonal boron nitride sheets. <i>Nano Research</i> , 2014, 7, 1232-1240.	10.4	211
51	Wet-Chemical Processing of Phosphorus Composite Nanosheets for High-Rate and High-Capacity Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1502409.	19.5	211
52	Olivine-Type Nanosheets for Lithium Ion Battery Cathodes. <i>ACS Nano</i> , 2013, 7, 5637-5646.	14.6	210
53	High-performance flexible quasi-solid-state zinc-ion batteries with layer-expanded vanadium oxide cathode and zinc/stainless steel mesh composite anode. <i>Nano Energy</i> , 2019, 62, 94-102.	16.0	209
54	Self-Assemble and In Situ Formation of Ni _{1-x} Fe _x PS ₃ Nanomosaic-Decorated MXene Hybrids for Overall Water Splitting. <i>Advanced Energy Materials</i> , 2018, 8, 1801127.	19.5	204

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55	Defect engineering in thermoelectric materials: what have we learned?. <i>Chemical Society Reviews</i> , 2021, 50, 9022-9054.	38.1	201
56	Amorphous/Crystalline Heterostructured Cobalt-Vanadium-Iron (Oxy)hydroxides for Highly Efficient Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2020, 10, 2002215.	19.5	198
57	Cobalt Oxide Nanowall Arrays on Reduced Graphene Oxide Sheets with Controlled Phase, Grain Size, and Porosity for Li-Ion Battery Electrodes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8400-8406.	3.1	196
58	Architecting a Stable High-Energy Aqueous Al-Ion Battery. <i>Journal of the American Chemical Society</i> , 2020, 142, 15295-15304.	13.7	188
59	Real-time DNA detection using Pt nanoparticle-decorated reduced graphene oxide field-effect transistors. <i>Nanoscale</i> , 2012, 4, 293-297.	5.6	185
60	Controllable Preparation of Square Nickel Chalcogenide (NiS and NiSe ₂) Nanoplates for Superior Li/Na Ion Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25261-25267.	8.0	185
61	Enhanced Thermopower of Graphene Films with Oxygen Plasma Treatment. <i>ACS Nano</i> , 2011, 5, 2749-2755.	14.6	181
62	Few-layered Ni(OH) ₂ nanosheets for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2015, 295, 323-328.	7.8	180
63	Advanced Cathode Materials for Sodium-Ion Batteries: What Determines Our Choices?. <i>Small Methods</i> , 2017, 1, 1700098.	8.6	179
64	Comparative metagenomics of microbial communities inhabiting deep-sea hydrothermal vent chimneys with contrasting chemistries. <i>ISME Journal</i> , 2011, 5, 414-426.	9.8	178
65	Synthesis of Cobalt Phosphides and Their Application as Anodes for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1093-1099.	8.0	178
66	MOF-directed templating synthesis of a porous multicomponent dodecahedron with hollow interiors for enhanced lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8483-8488.	10.3	178
67	A facile, relative green, and inexpensive synthetic approach toward large-scale production of SnS ₂ nanoplates for high-performance lithium-ion batteries. <i>Nanoscale</i> , 2013, 5, 1456.	5.6	177
68	In situ formation of molecular Ni-Fe active sites on heteroatom-doped graphene as a heterogeneous electrocatalyst toward oxygen evolution. <i>Science Advances</i> , 2018, 4, eaap7970.	10.3	176
69	Investigation on electrochemical behaviors of NiCo ₂ O ₄ battery-type supercapacitor electrodes: the role of an aqueous electrolyte. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1642-1648.	6.0	172
70	Interfacing Epitaxial Dinickel Phosphide to 2D Nickel Thiophosphate Nanosheets for Boosting Electrocatalytic Water Splitting. <i>ACS Nano</i> , 2019, 13, 7975-7984.	14.6	171
71	Hydrophilic Nitrogen and Sulfur Co-doped Molybdenum Carbide Nanosheets for Electrochemical Hydrogen Evolution. <i>Small</i> , 2015, 11, 6278-6284.	10.0	168
72	An Air-Stable Densely Packed Phosphorene-Graphene Composite Toward Advanced Lithium Storage Properties. <i>Advanced Energy Materials</i> , 2016, 6, 1600453.	19.5	167

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73	In Situ Binding Sb Nanospheres on Graphene via Oxygen Bonds as Superior Anode for Ultrafast Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 7790-7799.	8.0	167
74	Solvent-free aerobic oxidation of benzyl alcohol over Pd monometallic and Au@Pd bimetallic catalysts supported on SBA-16 mesoporous molecular sieves. Applied Catalysis A: General, 2010, 380, 55-65.	4.3	166
75	Flexible carbon nanotube papers with improved thermoelectric properties. Energy and Environmental Science, 2012, 5, 5364-5369.	30.8	164
76	Multifunctional Architectures Constructing of PANI Nanoneedle Arrays on MoS ₂ Thin Nanosheets for High-Energy Supercapacitors. Small, 2015, 11, 4123-4129.	10.0	164
77	Synthesis, characterizations, and utilization of oxygen-deficient metal oxides for lithium/sodium-ion batteries and supercapacitors. Coordination Chemistry Reviews, 2019, 397, 138-167.	18.8	164
78	Synthesis of Ultrathin Silicon Nanosheets by Using Graphene Oxide as Template. Chemistry of Materials, 2011, 23, 5293-5295.	6.7	162
79	Co ₉ S ₈ /MoS ₂ Yolk-Shell Spheres for Advanced Li/Na Storage. Small, 2017, 13, 1603490.	10.0	162
80	Cu doped V ₂ O ₅ flowers as cathode material for high-performance lithium ion batteries. Nanoscale, 2013, 5, 4937.	5.6	161
81	Surface Modified MXene-Based Nanocomposites for Electrochemical Energy Conversion and Storage. Small, 2019, 15, e1901503.	10.0	159
82	Carbon Nanotube-Encapsulated Noble Metal Nanoparticle Hybrid as a Cathode Material for Li-Oxygen Batteries. Advanced Functional Materials, 2014, 24, 6516-6523.	14.9	157
83	Reduced graphene oxide supported highly porous V ₂ O ₅ spheres as a high-power cathode material for lithium ion batteries. Nanoscale, 2011, 3, 4752.	5.6	155
84	Sulfonated poly (ether ether ketone)-based proton exchange membranes for vanadium redox battery applications. Journal of Membrane Science, 2014, 450, 313-322.	8.2	152
85	Amorphous Fe-Ni-B-O Nanocages as Efficient Electrocatalysts for Oxygen Evolution Reaction. ACS Nano, 2019, 13, 12969-12979.	14.6	151
86	Multifunctional 2D Ni ₂ P Nanocrystals@Black Phosphorus Heterostructure. Advanced Energy Materials, 2017, 7, 1601285.	19.5	149
87	Green Recycling Methods to Treat Lithium-Ion Batteries E-Waste: A Circular Approach to Sustainability. Advanced Materials, 2022, 34, e2103346.	21.0	148
88	Promoting Electrocatalytic Hydrogen Evolution Reaction and Oxygen Evolution Reaction by Fields: Effects of Electric Field, Magnetic Field, Strain, and Light. Small Methods, 2020, 4, 2000494.	8.6	146
89	Machine Learning: An Advanced Platform for Materials Development and State Prediction in Lithium-Ion Batteries. Advanced Materials, 2022, 34, e2101474.	21.0	140
90	Oxidation-Etching Preparation of MnO ₂ Tubular Nanostructures for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2012, 4, 2769-2774.	8.0	139

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91	2D Black Phosphorus for Energy Storage and Thermoelectric Applications. <i>Small</i> , 2017, 13, 1700661.	10.0	139
92	Vanadium pentoxide cathode materials for high-performance lithium-ion batteries enabled by a hierarchical nanoflower structure via an electrochemical process. <i>Journal of Materials Chemistry A</i> , 2013, 1, 82-88.	10.3	138
93	Realizing a SnO ₂ -based ultraviolet light-emitting diode via breaking the dipole-forbidden rule. <i>NPG Asia Materials</i> , 2012, 4, e30-e30.	7.9	137
94	Controlled Synthesis of Carbon-Coated Cobalt Sulfide Nanostructures in Oil Phase with Enhanced Li Storage Performances. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2999-3006.	8.0	137
95	Tuning ZnSe/CoSe in MOF-derived N-doped porous carbon/CNTs for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15710-15717.	10.3	137
96	p-type Bi _{0.4} Sb _{1.6} Te ₃ nanocomposites with enhanced figure of merit. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	135
97	Constructing the optimal conductive network in MnO-based nanohybrids as high-rate and long-life anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19738-19746.	10.3	135
98	Two-dimensional NiCo ₂ O ₄ nanosheet-coated three-dimensional graphene networks for high-rate, long-cycle-life supercapacitors. <i>Nanoscale</i> , 2015, 7, 7035-7039.	5.6	134
99	General Approach for MOF-Derived Porous Spinel AFe ₂ O ₄ Hollow Structures and Their Superior Lithium Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26751-26757.	8.0	133
100	Controllable Codoping of Nitrogen and Sulfur in Graphene for Highly Efficient Li-Oxygen Batteries and Direct Methanol Fuel Cells. <i>Chemistry of Materials</i> , 2016, 28, 1737-1745.	6.7	132
101	The formation of a carbon nanotube-graphene oxide core-shell structure and its possible applications. <i>Carbon</i> , 2011, 49, 5071-5078.	10.3	130
102	Engineering Hot Nanoparticles for Surface-Enhanced Raman Scattering by Embedding Reporter Molecules in Metal Layers. <i>Small</i> , 2012, 8, 246-251.	10.0	128
103	Template-free synthesis of urchin-like Co ₃ O ₄ hollow spheres with good lithium storage properties. <i>Journal of Power Sources</i> , 2013, 222, 97-102.	7.8	128
104	Synthesis of Two-Dimensional Transition-Metal Phosphates with Highly Ordered Mesoporous Structures for Lithium-Ion Battery Applications. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9352-9355.	13.8	128
105	Electrical and thermal conductivities of MWCNT/polymer composites fabricated by selective laser sintering. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 105, 203-213.	7.6	125
106	Efficient Nitrate Synthesis via Ambient Nitrogen Oxidation with Ru-Doped TiO ₂ /RuO ₂ Electrocatalysts. <i>Advanced Materials</i> , 2020, 32, e2002189.	21.0	125
107	Achieving highly efficient electrocatalytic oxygen evolution with ultrathin 2D Fe-doped nickel thiophosphate nanosheets. <i>Nano Energy</i> , 2018, 47, 257-265.	16.0	122
108	Reducing the Symmetry of Bimetallic Au@Ag Nanoparticles by Exploiting Eccentric Polymer Shells. <i>Journal of the American Chemical Society</i> , 2010, 132, 9537-9539.	13.7	121

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109	Bimetallic MOF nanosheets as efficient bifunctional electrocatalysts for oxygen evolution and nitrogen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3658-3666.	10.3	119
110	Crystal Structure and Phototransistor Behavior of N-Substituted Heptacene. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 1883-1886.	8.0	118
111	Cobalt nitride as a novel cocatalyst to boost photocatalytic CO ₂ reduction. <i>Nano Energy</i> , 2021, 79, 105429.	16.0	117
112	O ₂ plasma and cation tuned nickel phosphide nanosheets for highly efficient overall water splitting. <i>Nano Energy</i> , 2018, 54, 82-90.	16.0	116
113	Soft phonon modes from off-center Ge atoms lead to ultralow thermal conductivity and superior thermoelectric performance in n-type PbSe-GeSe. <i>Energy and Environmental Science</i> , 2018, 11, 3220-3230.	30.8	115
114	Directly anchoring 2D NiCo metal-organic frameworks on few-layer black phosphorus for advanced lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 783-790.	10.3	115
115	Ultrathin nickel oxide nanosheets for enhanced sodium and lithium storage. <i>Journal of Power Sources</i> , 2015, 274, 755-761.	7.8	114
116	Controlled synthesis of zinc cobalt sulfide nanostructures in oil phase and their potential applications in electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11462-11470.	10.3	113
117	2D Transition Metal Oxides/Hydroxides for Energy Storage Applications. <i>ChemNanoMat</i> , 2016, 2, 562-577.	2.8	113
118	Li ₃ V ₂ (PO ₄) ₃ nanocrystals embedded in a nanoporous carbon matrix supported on reduced graphene oxide sheets: Binder-free and high rate cathode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012, 214, 171-177.	7.8	112
119	Ambient dissolution-recrystallization towards large-scale preparation of V ₂ O ₅ nanobelts for high-energy battery applications. <i>Nano Energy</i> , 2016, 22, 583-593.	16.0	112
120	A Defect Engineered Electrocatalyst that Promotes High-Efficiency Urea Synthesis under Ambient Conditions. <i>ACS Nano</i> , 2022, 16, 8213-8222.	14.6	109
121	Monodispersed Ag nanoparticles loaded on the PVP-assisted synthetic Bi ₂ O ₂ CO ₃ microspheres with enhanced photocatalytic and supercapacitive performances. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7630.	10.3	108
122	High Thermoelectric Performance in the New Cubic Semiconductor Ag ₃ SnSbSe ₃ by High-Entropy Engineering. <i>Journal of the American Chemical Society</i> , 2020, 142, 15187-15198.	13.7	108
123	Three-Dimensional Graphene Network Composites for Detection of Hydrogen Peroxide. <i>Small</i> , 2013, 9, 1703-1707.	10.0	107
124	Extraordinary role of Zn in enhancing thermoelectric performance of Ga-doped n-type PbTe. <i>Energy and Environmental Science</i> , 2022, 15, 368-375.	30.8	107
125	Graphene and cobalt phosphide nanowire composite as an anode material for high performance lithium-ion batteries. <i>Nano Research</i> , 2016, 9, 612-621.	10.4	106
126	Germanium nanowires-based carbon composite as anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012, 206, 253-258.	7.8	105

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127	Binder-free graphene foams for O ₂ electrodes of Li-ion O ₂ batteries. <i>Nanoscale</i> , 2013, 5, 9651.	5.6	103
128	n-type SnSe ₂ Oriented Nanoplate-Based Pellets for High Thermoelectric Performance. <i>Advanced Energy Materials</i> , 2018, 8, 1702167.	19.5	103
129	High-Performance Thermoelectrics from Cellular Nanostructured Sb ₂ Si ₂ Te ₆ . <i>Joule</i> , 2020, 4, 159-175.	24.0	103
130	Controlled Growth of CuS on Electrospun Carbon Nanofibers as an Efficient Counter Electrode for Quantum Dot-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16526-16535.	3.1	102
131	Biochemistry-Enabled 3D Foams for Ultrafast Battery Cathodes. <i>ACS Nano</i> , 2015, 9, 4628-4635.	14.6	102
132	3D Hierarchical Porous Mo ₂ C for Efficient Hydrogen Evolution. <i>Small</i> , 2016, 12, 2859-2865.	10.0	101
133	Bilateral Interfaces in In ₂ Se ₃ -CoIn ₂ -CoSe ₂ Heterostructures for High-Rate Reversible Sodium Storage. <i>ACS Nano</i> , 2021, 15, 13307-13318.	14.6	99
134	High Thermoelectric Performance in Polycrystalline SnSe Via Dual Doping with Ag/Na and Nanostructuring With Ag ₈ SnSe ₆ . <i>Advanced Energy Materials</i> , 2019, 9, 1803072.	19.5	98
135	A Simple Chemical Approach for PbTe Nanowires with Enhanced Thermoelectric Properties. <i>Chemistry of Materials</i> , 2008, 20, 6298-6300.	6.7	97
136	Bio-mass derived mesoporous carbon as superior electrode in all vanadium redox flow battery with multicouple reactions. <i>Journal of Power Sources</i> , 2015, 274, 846-850.	7.8	97
137	Synergy of Nb Doping and Surface Alloy Enhanced on Water Alkali Electrochemical Hydrogen Generation Performance in Ti-Based MXene. <i>Advanced Science</i> , 2019, 6, 1900116.	11.2	97
138	Se ₂ C Bonding Promoting Fast and Durable Na ⁺ Storage in Yolk-Shell SnSe ₂ @Se ₂ C. <i>Small</i> , 2020, 16, e2002486.	10.0	97
139	Hollow Nanospheres Constructed by CoS ₂ Nanosheets with a Nitrogen-Doped Carbon Coating for Energy Storage and Photocatalysis. <i>ChemSusChem</i> , 2014, 7, 2212-2220.	6.8	96
140	Bioinspired Synthesis of Hierarchically Porous MoO ₂ /Mo ₂ C Nanocrystal Decorated N-Doped Carbon Foam for Lithium-Oxygen Batteries. <i>Chemistry of Materials</i> , 2016, 28, 5743-5752.	6.7	96
141	NbS ₂ Nanosheets with M/Se (M = Fe, Co, Ni) Codopants for Li ⁺ and Na ⁺ Storage. <i>ACS Nano</i> , 2017, 11, 10599-10607.	14.6	95
142	Functionalized few-layer black phosphorus with super-wettability towards enhanced reaction kinetics for rechargeable batteries. <i>Nano Energy</i> , 2017, 40, 576-586.	16.0	95
143	Inverse opal manganese dioxide constructed by few-layered ultrathin nanosheets as high-performance cathodes for aqueous zinc-ion batteries. <i>Nano Research</i> , 2019, 12, 1347-1353.	10.4	95
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