

Yong Wang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8851450/yong-wang-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

165
papers

13,804
citations

63
h-index

116
g-index

173
ext. papers

15,650
ext. citations

9.9
avg, IF

7.14
L-index

#	Paper	IF	Citations
165	Template-Free Synthesis of SnO ₂ Hollow Nanostructures with High Lithium Storage Capacity. <i>Advanced Materials</i> , 2006 , 18, 2325-2329	24	1531
164	Li Storage Properties of Disordered Graphene Nanosheets. <i>Chemistry of Materials</i> , 2009 , 21, 3136-3142	9.6	879
163	Highly Reversible Lithium Storage in Porous SnO ₂ Nanotubes with Coaxially Grown Carbon Nanotube Overlayers. <i>Advanced Materials</i> , 2006 , 18, 645-649	24	456
162	Polycrystalline SnO ₂ Nanotubes Prepared via Infiltration Casting of Nanocrystallites and Their Electrochemical Application. <i>Chemistry of Materials</i> , 2005 , 17, 3899-3903	9.6	409
161	Crystalline Carbon Hollow Spheres, Crystalline Carbon/SnO ₂ Hollow Spheres, and Crystalline SnO ₂ Hollow Spheres: Synthesis and Performance in Reversible Li-Ion Storage. <i>Chemistry of Materials</i> , 2006 , 18, 1347-1353	9.6	364
160	NiO nanosheets grown on graphene nanosheets as superior anode materials for Li-ion batteries. <i>Nanoscale</i> , 2011 , 3, 2615-20	7.7	322
159	Cd _{0.2} Zn _{0.8} S@UiO-66-NH ₂ nanocomposites as efficient and stable visible-light-driven photocatalyst for H ₂ evolution and CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2017 , 200, 448-457	21.8	312
158	Multilayer CuO@NiO Hollow Spheres: Microwave-Assisted Metal-Organic-Framework Derivation and Highly Reversible Structure-Matched Stepwise Lithium Storage. <i>ACS Nano</i> , 2015 , 9, 11462-71	16.7	290
157	Boosting lithium storage in covalent organic framework via activation of 14-electron redox chemistry. <i>Nature Communications</i> , 2018 , 9, 576	17.4	288
156	Microwave-assisted synthesis of a Co ₃ O ₄ /graphene sheet-on-sheet nanocomposite as a superior anode material for Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9735		249
155	Synthesis, characterization and photocatalytic performance of novel visible-light-induced Ag/BiOI. <i>Applied Catalysis B: Environmental</i> , 2012 , 111-112, 271-279	21.8	223
154	Sn@CNT nanostructures rooted in graphene with high and fast Li-storage capacities. <i>ACS Nano</i> , 2011 , 5, 8108-14	16.7	222
153	Construction of Complex Co O @Co V O Hollow Structures from Metal-Organic Frameworks with Enhanced Lithium Storage Properties. <i>Advanced Materials</i> , 2018 , 30, 1702875	24	213
152	Graphene-wrapped CoS nanoparticles for high-capacity lithium-ion storage. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 801-6	9.5	203
151	Microwave-Assisted Morphology Evolution of Fe-Based Metal-Organic Frameworks and Their Derived FeO Nanostructures for Li-Ion Storage. <i>ACS Nano</i> , 2017 , 11, 4198-4205	16.7	198
150	Recent Development of Metallic (1T) Phase of Molybdenum Disulfide for Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2018 , 8, 1703482	21.8	197
149	Nanoengineering of 2D MXene-Based Materials for Energy Storage Applications. <i>Small</i> , 2021 , 17, e1902085		193

148	Synthesis of graphitic ordered macroporous carbon with a three-dimensional interconnected pore structure for electrochemical applications. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 20200-6	3.4	184
147	Porous Iron-Cobalt Alloy/Nitrogen-Doped Carbon Cages Synthesized via Pyrolysis of Complex Metal-Organic Framework Hybrids for Oxygen Reduction. <i>Advanced Functional Materials</i> , 2018 , 28, 17067-38	15.6	180
146	 and @CNT nanostructures for superior reversible lithium ion storage. <i>Chemistry of Materials</i> , 2009 , 21, 3210-3215	9.6	175
145	Carbon Nanotubes Rooted in Porous Ternary Metal Sulfide@N/S-Doped Carbon Dodecahedron: Bimetal-Organic-Frameworks Derivation and Electrochemical Application for High-Capacity and Long-Life Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 8345-8353	15.6	174
144	Fe ₂ O ₃ -Graphene Rice-on-Sheet Nanocomposite for High and Fast Lithium Ion Storage. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 20747-20753	3.8	159
143	Molten Salt Synthesis of Tin Oxide Nanorods: Morphological and Electrochemical Features. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 17832-17837	3.4	156
142	Bimetal-Organic Framework: One-Step Homogenous Formation and its Derived Mesoporous Ternary Metal Oxide Nanorod for High-Capacity, High-Rate, and Long-Cycle-Life Lithium Storage. <i>Advanced Functional Materials</i> , 2016 , 26, 1098-1103	15.6	153
141	Efficient Activation of High-Loading Sulfur by Small CNTs Confined Inside a Large CNT for High-Capacity and High-Rate Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2016 , 16, 440-7	11.5	153
140	Preparation and Characterization of Carbon Nanospheres as Anode Materials in Lithium-Ion Secondary Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 2294-2300	3.9	145
139	Nitrogen-Doped Porous Carbon Supported Nonprecious Metal Single-Atom Electrocatalysts: from Synthesis to Application. <i>Small Methods</i> , 2019 , 3, 1900159	12.8	137
138	Macroporous Co ₃ O ₄ platelets with excellent rate capability as anodes for lithium ion batteries. <i>Electrochemistry Communications</i> , 2010 , 12, 101-105	5.1	136
137	Graphene-based nanocomposite anodes for lithium-ion batteries. <i>Nanoscale</i> , 2014 , 6, 11528-52	7.7	135
136	Self-assembled echinus-like nanostructures of mesoporous CoO nanorod@CNT for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6636		130
135	Morphological Effect of Graphene Nanosheets on Ultrathin CoS Nanosheets and Their Applications for High-Performance Li-Ion Batteries and Photocatalysis. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 25355-25364	3.8	129
134	Hollow carbon spheres with a controllable shell structure. <i>Journal of Materials Chemistry</i> , 2006 , 16, 4413		125
133	Few-Layered Boronic Ester Based Covalent Organic Frameworks/Carbon Nanotube Composites for High-Performance K-Organic Batteries. <i>ACS Nano</i> , 2019 , 13, 3600-3607	16.7	124
132	High-Lithium-Affinity Chemically Exfoliated 2D Covalent Organic Frameworks. <i>Advanced Materials</i> , 2019 , 31, e1901640	24	123
131	Graphene supported Sn@carbon core-shell particles as a superior anode for lithium ion batteries. <i>Electrochemistry Communications</i> , 2010 , 12, 1302-1306	5.1	122

130	Interconnected tin disulfide nanosheets grown on graphene for Li-ion storage and photocatalytic applications. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 12073-82	9.5	120
129	Bismuth oxyiodide-graphene nanocomposites with high visible light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2013 , 398, 161-7	9.3	108
128	Ionic liquid-templated synthesis of mesoporous CeO ₂ /TiO ₂ nanoparticles and their enhanced photocatalytic activities under UV or visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 223, 157-164	4.7	107
127	Carbon nanotubes grown in situ on graphene nanosheets as superior anodes for Li-ion batteries. <i>Nanoscale</i> , 2011 , 3, 4323-9	7.7	104
126	Exfoliated Triazine-Based Covalent Organic Nanosheets with Multielectron Redox for High-Performance Lithium Organic Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1801010	21.8	102
125	Multilayer NiO@Co ₃ O ₄ @graphene quantum dots hollow spheres for high-performance lithium-ion batteries and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7800-7814	13	101
124	Sheet-like and fusiform CuO nanostructures grown on graphene by rapid microwave heating for high Li-ion storage capacities. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17916		96
123	MOF-derived yolk-shell CdS microcubes with enhanced visible-light photocatalytic activity and stability for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8680-8689	13	88
122	One-step, confined growth of bimetallic tin-antimony nanorods in carbon nanotubes grown in situ for reversible Li ⁺ ion storage. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7039-42	16.4	88
121	NiS nanorod-assembled nanoflowers grown on graphene: morphology evolution and Li-ion storage applications. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15152-15158	13	87
120	Tin Nanoparticle Loaded Graphite Anodes for Li-Ion Battery Applications. <i>Journal of the Electrochemical Society</i> , 2004 , 151, A1804	3.9	86
119	Graphene sheets grafted three-dimensional BiOBr _{0.2} IO _{0.8} microspheres with excellent photocatalytic activity under visible light. <i>Journal of Hazardous Materials</i> , 2014 , 266, 75-83	12.8	85
118	Large and fast reversible Li-ion storages in Fe ₂ O ₃ -graphene sheet-on-sheet sandwich-like nanocomposites. <i>Scientific Reports</i> , 2013 , 3, 3502	4.9	82
117	Few-Layered Fluorinated Triazine-Based Covalent Organic Nanosheets for High-Performance Alkali Organic Batteries. <i>ACS Nano</i> , 2019 , 13, 14252-14261	16.7	82
116	Confined Volume Change in Sn-Co-C Ternary Tube-in-Tube Composites for High-Capacity and Long-Life Lithium Storage. <i>Advanced Functional Materials</i> , 2013 , 23, 893-899	15.6	79
115	Microwave-assisted synthesis of SnO ₂ /graphite nanocomposites for Li-ion battery applications. <i>Journal of Power Sources</i> , 2005 , 144, 220-225	8.9	79
114	Microwave hydrothermal synthesis of high performance tin/graphene nanocomposites for lithium ion batteries. <i>Journal of Power Sources</i> , 2012 , 216, 22-27	8.9	78
113	Facile synthesis of graphene-supported shuttle- and urchin-like CuO for high and fast Li-ion storage. <i>Electrochemistry Communications</i> , 2012 , 14, 82-85	5.1	77

112	Microwave Hydrothermal Synthesis of Ni-based Metal-Organic Frameworks and Their Derived Yolk-Shell NiO for Li-Ion Storage and Supported Ammonia Borane for Hydrogen Desorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 1830-1838	8.3	75
111	Microwave-assisted solvothermal synthesis of 3D carnation-like SnS ₂ nanostructures with high visible light photocatalytic activity. <i>Journal of Molecular Catalysis A</i> , 2013 , 378, 285-292		74
110	Metal-Organic-Frameworks Derivation of Mesoporous NiO Nanorod for High-Performance Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2016 , 213, 351-357	6.7	73
109	Nanoscale Si coating on the pore walls of SnO(2) nanotube anode for Li rechargeable batteries. <i>Chemical Communications</i> , 2010 , 46, 622-4	5.8	72
108	Graphene wrapped SnCo nanoparticles for high-capacity lithium ion storage. <i>Journal of Power Sources</i> , 2013 , 222, 526-532	8.9	69
107	Functionalized Graphene Quantum Dot Modification of Yolk-Shell NiO Microspheres for Superior Lithium Storage. <i>Small</i> , 2018 , 14, e1800589	11	68
106	Polyurethane-derived N-doped porous carbon with interconnected sheet-like structure as polysulfide reservoir for lithium-sulfur batteries. <i>Journal of Power Sources</i> , 2015 , 293, 119-126	8.9	68
105	Coordination-Induced Interlinked Covalent- and Metal-Organic-Framework Hybrids for Enhanced Lithium Storage. <i>Advanced Materials</i> , 2019 , 31, e1903176	24	64
104	Covalent Organic Framework Derived Boron/Oxygen Codoped Porous Carbon on CNTs as an Efficient Sulfur Host for Lithium-Sulfur Batteries. <i>Small Methods</i> , 2019 , 3, 1900338	12.8	63
103	Controlled Synthesis of V-shaped SnO ₂ Nanorods. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 13589-13593	9.4	63
102	A Hydrostable Cathode Material Based on the Layered P2@P3 Composite that Shows Redox Behavior for Copper in High-Rate and Long-Cycling Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1412-1416	16.4	62
101	Ultrasmall Tin Nanodots Embedded in Nitrogen-Doped Mesoporous Carbon: Metal-Organic-Framework Derivation and Electrochemical Application as Highly Stable Anode for Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2016 , 217, 123-131	6.7	60
100	Carbon-Coated MnMoO ₄ Nanorod for High-Performance Lithium-Ion Batteries. <i>Electrochimica Acta</i> , 2016 , 190, 354-359	6.7	60
99	Morphology tuning of inorganic nanomaterials grown by precipitation through control of electrolytic dissociation and supersaturation. <i>Nature Chemistry</i> , 2019 , 11, 695-701	17.6	58
98	Sulfur film-coated reduced graphene oxide composite for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9173	13	58
97	Microwave solvothermal synthesis of flower-like SnS ₂ and SnO ₂ nanostructures as high-rate anodes for lithium ion batteries. <i>Chemical Engineering Journal</i> , 2013 , 229, 183-189	14.7	58
96	Bimetal-Organic-Framework Derivation of Ball-Cactus-Like Ni-Sn-P@C-CNT as Long-Cycle Anode for Lithium Ion Battery. <i>Small</i> , 2017 , 13, 1700521	11	54
95	Carbon-coated mixed-metal sulfide hierarchical structure: MOF-derived synthesis and lithium-storage performances. <i>Chemical Engineering Journal</i> , 2019 , 366, 622-630	14.7	52

94	Standing carbon-coated molybdenum dioxide nanosheets on graphene: morphology evolution and lithium ion storage properties. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4706-4715	13	52
93	MOF-templated nanorice-nanosheet core-shell iron dichalcogenides by heterogeneous sulfuration for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 19179-19188	13.1	52
92	General and facile synthesis of metal sulfide nanostructures: In situ microwave synthesis and application as binder-free cathode for Li-ion batteries. <i>Chemical Engineering Journal</i> , 2016 , 306, 251-259	14.7	51
91	Preparation of SnO ₂ -graphite nanocomposite anodes by urea-mediated hydrolysis. <i>Electrochemistry Communications</i> , 2003 , 5, 292-296	5.1	50
90	General Dimension-Controlled Synthesis of Hollow Carbon Embedded with Metal Single Atoms or Core-Shell Nanoparticles for Energy Storage Applications. <i>Advanced Energy Materials</i> , 2018 , 8, 1801101	21.8	49
89	Recent developments of aprotic lithium-oxygen batteries: functional materials determine the electrochemical performance. <i>Science Bulletin</i> , 2017 , 62, 442-452	10.6	48
88	Microemulsion Syntheses of Sn and SnO ₂ -Graphite Nanocomposite Anodes for Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2004 , 151, A563	3.9	47
87	Carbon coated mixed-metal selenide microrod: Bimetal-organic-framework derivation approach and applications for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2018 , 351, 169-176	14.7	45
86	Self-assembly and template-free synthesis of ZnO hierarchical nanostructures and their photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2015 , 448, 367-73	9.3	43
85	Eco-friendly synthesis of rutile TiO ₂ nanostructures with controlled morphology for efficient lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2016 , 304, 156-164	14.7	43
84	A reduced graphene oxide supported Cu ₃ SnS ₄ composite as an efficient visible-light photocatalyst. <i>Dalton Transactions</i> , 2014 , 43, 7491-8	4.3	43
83	Graphene quantum dots modification of yolk-shell Co ₃ O ₄ @CuO microspheres for boosted lithium storage performance. <i>Chemical Engineering Journal</i> , 2019 , 373, 985-994	14.7	42
82	Topotactical conversion of carbon coated Fe-based electrodes on graphene aerogels for lithium ion storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14741-14749	13	42
81	Bi ₂ O ₃ /reduced graphene oxide composite as an efficient visible-light-driven photocatalyst for degradation of organic contaminants. <i>Journal of Molecular Catalysis A</i> , 2014 , 391, 175-182		40
80	The Progress and Prospect of Tunable Organic Molecules for Organic Lithium-Ion Batteries. <i>ACS Nano</i> , 2021 , 15, 47-80	16.7	39
79	Highly efficient water desalination by capacitive deionization on biomass-derived porous carbon nanoflakes. <i>Separation and Purification Technology</i> , 2021 , 256, 117771	8.3	39
78	Bridging mesoporous carbon particles with carbon nanotubes. <i>Microporous and Mesoporous Materials</i> , 2007 , 98, 323-329	5.3	38
77	One-dimensional SnO ₂ nanostructures: facile morphology tuning and lithium storage properties. <i>Nanotechnology</i> , 2009 , 20, 345704	3.4	35

76	Strong Surface-Bound Sulfur in Carbon Nanotube Bridged Hierarchical Mo C-Based MXene Nanosheets for Lithium-Sulfur Batteries. <i>Small</i> , 2019 , 15, e1804338	11	35
75	Antimony-doped tin oxide nanotubes for high capacity lithium storage. <i>Electrochemistry Communications</i> , 2011 , 13, 433-436	5.1	34
74	Multi-metal Organic Frameworks and Their Derived Materials for Li/Na-Ion Batteries. <i>Electrochemical Energy Reviews</i> , 2020 , 3, 127-154	29.3	34
73	Construction of point-line-plane (0-1-2 dimensional) Fe ₂ O ₃ -SnO ₂ /graphene hybrids as the anodes with excellent lithium storage capability. <i>Nano Research</i> , 2017 , 10, 121-133	10	33
72	Microwave hydrothermal growth of In ₂ S ₃ interconnected nanoflowers and nanoparticles on graphene for high-performance Li-ion batteries. <i>RSC Advances</i> , 2014 , 4, 8582	3.7	32
71	Visible light-driven Bi ₂ Sn ₂ O ₇ /reduced graphene oxide nanocomposite for efficient photocatalytic degradation of organic contaminants. <i>Separation and Purification Technology</i> , 2015 , 142, 25-32	8.3	32
70	Stable Hollow-Structured Silicon Suboxide-Based Anodes toward High-Performance Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2101796	15.6	32
69	Hierarchical "tube-on-fiber" carbon/mixed-metal selenide nanostructures for high-performance hybrid supercapacitors. <i>Nanoscale</i> , 2019 , 11, 13996-14009	7.7	31
68	Microemulsion Synthesis of Tin Oxide-Graphite Nanocomposites as Negative Electrode Materials for Lithium-Ion Batteries. <i>Electrochemical and Solid-State Letters</i> , 2003 , 6, A19		31
67	Boosting lithium-ion storage performance by synergistically coupling Zn _{0.76} Co _{0.24} S with N/S-doped carbon and carbon nanofiber. <i>Chemical Engineering Journal</i> , 2018 , 346, 376-387	14.7	30
66	Ultras-small MoC nanoparticles embedded in 3D frameworks of nitrogen-doped porous carbon as anode materials for efficient lithium storage with pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13705-13716	13	30
65	A microemulsion-based preparation of tin/tin oxide core/shell nanoparticles with particle size control. <i>Journal of Materials Chemistry</i> , 2004 , 14, 362		28
64	Unusual Conformal Li Plating on Alloyable Nanofiber Frameworks to Enable Dendrite Suppression of Li Metal Anode. <i>ACS Applied Energy Materials</i> , 2019 , 2, 4379-4388	6.1	27
63	Four-layer tin-carbon nanotube yolk-shell materials for high-performance lithium-ion batteries. <i>ChemSusChem</i> , 2014 , 7, 1407-14	8.3	27
62	Flexible and rechargeable Zn air batteries based on green feedstocks with 75% round-trip efficiency. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 1909-1914	5.8	27
61	A rational synthesis of single-atom iron nitrogen electrocatalysts for highly efficient oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 16271-16282	13	27
60	High-Performance Removal of Phosphate from Water by Graphene Nanosheets Supported Lanthanum Hydroxide Nanoparticles. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	24
59	Metal-Organic Framework-Derived Nanoconfinements of CoF and Mixed-Conducting Wiring for High-Performance Metal Fluoride-Lithium Battery. <i>ACS Nano</i> , 2021 , 15, 1509-1518	16.7	22

58	Metal-organic frameworks derived germanium oxide nanosheets for large reversible Li-ion storage. <i>Electrochemistry Communications</i> , 2017 , 84, 80-85	5.1	18
57	Three-Dimensional Molybdenum Disulfide Nanoflowers Decorated on Graphene Nanosheets for High-Performance Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2016 , 3, 1503-1512	4.3	18
56	Novel 3D flowerlike Au/BiOBr _{0.2} IO _{0.8} composites with highly enhanced visible-light photocatalytic performances. <i>Separation and Purification Technology</i> , 2014 , 133, 343-350	8.3	18
55	Multiscale Hierarchically Engineered Carbon Nanosheets Derived from Covalent Organic Framework for Potassium-Ion Batteries. <i>Small Methods</i> , 2020 , 4, 2000159	12.8	18
54	Conversion of Bulk Metallurgical Silicon into Photocatalytic Nanoparticles by Copper-Assisted Chemical Etching. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 6590-6599	8.3	18
53	Ultrafine ternary metal oxide particles with carbon nanotubes: a metal-organic-framework-based approach and superior lithium-storage performance. <i>Dalton Transactions</i> , 2019 , 48, 4413-4419	4.3	17
52	Halogen-functionalized triazine-based organic frameworks towards high performance supercapacitors. <i>Chemical Engineering Journal</i> , 2020 , 400, 125967	14.7	17
51	Indium Tin Oxide@Carbon Core-Shell Nanowire and Jagged Indium Tin Oxide Nanowire. <i>Nanoscale Research Letters</i> , 2010 , 5, 1682-5	5	17
50	Two-dimensional metal-organic framework materials for energy conversion and storage. <i>Journal of Power Sources</i> , 2020 , 477, 228919	8.9	16
49	Covalent Organic Frameworks for Next-Generation Batteries. <i>ChemElectroChem</i> , 2020 , 7, 3905-3926	4.3	16
48	Rational Design of a P2-Type Spherical Layered Oxide Cathode for High-Performance Sodium-Ion Batteries. <i>ACS Central Science</i> , 2019 , 5, 1937-1945	16.8	16
47	Revealing the effect of cobalt-doping on Ni/Mn-based coordination polymers towards boosted Li-Storage performances. <i>Energy Storage Materials</i> , 2020 , 25, 846-857	19.4	16
46	Plasmonic Ag coated BiOBr _{0.2} IO _{0.8} nanosheets grown on graphene with excellent visible-light photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016 , 326, 30-40	4.7	15
45	Self-assembly nanostructures of one-dimensional antimony oxide and oxychloride. <i>Materials Letters</i> , 2009 , 63, 1481-1484	3.3	14
44	Progress and Perspective of Metal- and Covalent-Organic Frameworks and their Derivatives for Lithium-Ion Batteries. <i>Batteries and Supercaps</i> , 2021 , 4, 72-97	5.6	14
43	A metal-organic-framework approach to engineer hollow bimetal oxide microspheres towards enhanced electrochemical performances of lithium storage. <i>Dalton Transactions</i> , 2019 , 48, 2019-2027	4.3	13
42	Lithiophilic Vertical Cactus-Like Framework Derived from Cu/Zn-Based Coordination Polymer through In Situ Chemical Etching for Stable Lithium Metal Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2008514	15.6	13
41	Bifunctional iron nickel phosphide nanocatalysts supported on porous carbon for highly efficient overall water splitting. <i>Sustainable Materials and Technologies</i> , 2019 , 22, e00117	5.3	12

40	Integrating Mixed Metallic Selenides/Nitrogen-Doped Carbon Heterostructures in One-Dimensional Carbon Fibers for Efficient Oxygen Reduction Electrocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 8391-8401	8.3	11
39	Self-assembled 3D Fe ₂ (MoO ₄) ₃ microspheres with amorphous shell as anode of lithium-ion batteries with superior electrochemical performance. <i>Chemical Engineering Science</i> , 2020 , 217, 115517	4.4	11
38	New Cr ₂ Mo ₃ O ₁₂ -based anodes: morphology tuning and Li-storage properties. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15030-15038	13	11
37	Organic supramolecular protective layer with rearranged and defensive Li deposition for stable and dendrite-free lithium metal anode. <i>Energy Storage Materials</i> , 2020 , 32, 261-271	19.4	10
36	Reduced graphene oxide modified with naphthoquinone for effective immobilization of polysulfides in high-performance Li-S batteries. <i>Chemical Engineering Journal</i> , 2020 , 383, 123111	14.7	10
35	In-situ structural evolution analysis of Zr-doped Na ₃ V ₂ (PO ₄) ₂ F ₃ coated by N-doped carbon layer as high-performance cathode for sodium-ion batteries. <i>Journal of Energy Chemistry</i> , 2022 , 65, 514-523	12	9
34	Nitrogen-Doped Carbon-Coated Bimetal Selenides for High-Performance Lithium-Ion Storage through the Self-Accommodation of Volume Change. <i>ChemElectroChem</i> , 2019 , 6, 3736-3741	4.3	8
33	Microwave-assisted synthesis of porous nickel oxide nanostructures as anode materials for lithium-ion batteries. <i>Rare Metals</i> , 2011 , 30, 59-62	5.5	8
32	Organic Cathode Materials for Sodium-Ion Batteries: From Fundamental Research to Potential Commercial Application. <i>Advanced Functional Materials</i> , 2107718	15.6	8
31	Concrete-like high sulfur content cathodes with enhanced electrochemical performance for lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2020 , 42, 174-179	12	8
30	Carbonyl Functional Group Modified Metal-Organic Coordination Polymer with Improved Lithium-Storage Performance. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11378-11387	6.1	7
29	Dissipative particle dynamics simulation for the effect of interaction on the self-assembly behaviours of heterogemini surfactant in aqueous solution. <i>Molecular Physics</i> , 2016 , 114, 304-314	1.7	7
28	Self-Assembly Behaviors of Heterogemini Surfactant in Aqueous Solution Investigated by Dissipative Particle Dynamics. <i>Journal of Dispersion Science and Technology</i> , 2014 , 35, 1300-1307	1.5	7
27	Cobalt Coordinated Cyano Covalent-Organic Framework for High-Performance Potassium-Organic Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 48913-48922	9.5	7
26	Graphene-supported nickel chloride and cobalt chloride nanoparticles as highly efficient catalysts for dehydrogenation of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 15389-15397	6.7	6
25	Revealing the effect of phosphorus doping on Co@carbon in boosting oxygen evolution catalytic activity. <i>Journal of Alloys and Compounds</i> , 2020 , 843, 156001	5.7	5
24	High-temperature synthesis of highly hydrothermal stable mesoporous silica and FeSiO ₂ using ionic liquid as a template. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 509-515	3.3	5
23	Fluorine/Nitrogen Co-Doped Porous Carbons Derived from Covalent Triazine Frameworks for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021 , 4, 4519-4529	6.1	5

22	Ultra-small FeO nanodots encapsulated in layered carbon nanosheets with fast kinetics for lithium/potassium-ion battery anodes.. <i>RSC Advances</i> , 2021 , 11, 1261-1270	3.7	5
21	Tin oxide nanocubes, and tin-core/tin oxide-shell nanostructures, with and without a hollow interior. <i>Journal of Nanoparticle Research</i> , 2006 , 8, 1053-1057	2.3	4
20	Iron-Modified Graphites toward Boosted Lithium/Sodium Storage Performance and Long-Term Cyclability. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 9420-9429	3.9	4
19	Polyaniline nanowires aligned on MOFs-derived nanoporous carbon as high-performance electrodes for supercapacitor. <i>Electrochimica Acta</i> , 2021 , 390, 138804	6.7	4
18	N-doped carbon nanofibers encapsulated Cu ₂ -xSe with the improved lithium storage performance and its structural evolution analysis. <i>Electrochimica Acta</i> , 2021 , 367, 137449	6.7	3
17	Two-dimensional imine-based covalent organic-framework derived nitrogen-doped porous carbon nanosheets for high-performance lithium-sulfur batteries. <i>New Journal of Chemistry</i> , 2021 , 45, 8683-8692 ^{3.6}	3.6	3
16	Dendrite-Free and Stable Lithium Metal Battery Achieved by a Model of Stepwise Lithium Deposition and Stripping. <i>Nano-Micro Letters</i> , 2021 , 13, 170	19.5	3
15	Microwave-Assisted Synthesis of Antimony Oxide Nanostructures and their Electrochemical Properties. <i>Materials Science Forum</i> , 2010 , 650, 157-162	0.4	2
14	CNT boosted two-dimensional flaky metal-organic nanosheets for superior lithium and potassium storage. <i>Chemical Engineering Journal</i> , 2022 , 430, 133023	14.7	2
13	Unusual Inside/Outside Li Deposition within Three-Dimensional Honeycomb-like Hierarchical Nitrogen-Doped Framework for a Dendrite-Free Lithium Metal Anode. <i>ACS Applied Energy Materials</i> , 2021 , 4, 2838-2846	6.1	2
12	Imine-Induced Metal-Organic and Covalent Organic Coexisting Framework with Superior Li-Storage Properties and Activation Mechanism. <i>ChemSusChem</i> , 2021 , 14, 3283-3292	8.3	2
11	Dissipative Particle Dynamics Simulation of Microscopic Properties in Diblock Copolymer Films. <i>Chinese Journal of Chemical Physics</i> , 2010 , 23, 274-280	0.9	1
10	Depletion phenomenon in diblock copolymer films: a dissipative particle dynamics simulation. <i>Molecular Simulation</i> , 2010 , 36, 468-473	2	1
9	Low-Temperature Synthesis of Amorphous Silicon and Its Ball-in-Ball Hollow Nanospheres as High-Performance Anodes for Sodium-Ion Batteries. <i>Advanced Materials Interfaces</i> , 2102158	4.6	1
8	In situ encapsulation of metal sulfide into hierarchical nanostructured electrospun nanofibers as self-supported electrodes for flexible quasi-solid-state supercapacitors. <i>Journal of Materials Chemistry C</i> ,	7.1	1
7	Designing cobalt-based coordination polymers for high-performance sodium and lithium storage: from controllable synthesis to mechanism detection. <i>Materials Today Energy</i> , 2020 , 17, 100478	7	1
6	Rational Design of Ni-Based Electrocatalysts by Modulation of Iron Ions and Carbon Nanotubes for Enhanced Oxygen Evolution Reaction. <i>Advanced Sustainable Systems</i> , 2020 , 4, 2000227	5.9	1
5	Functionalized Graphene Quantum Dots Modified Dioxin-Linked Covalent Organic Frameworks for Superior Lithium Storage.. <i>Chemistry - A European Journal</i> , 2022 , e202103901	4.8	0

4	Atomic layer deposition of alumina onto yolk-shell FeS/MoS ₂ as universal anodes for Li/Na/K-Ion batteries. <i>Electrochimica Acta</i> , 2021 , 402, 139471	6.7	o
3	Valence State Modulation of Chromium in Selective Hydrogen Peroxide Production Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2021 , 4, 10114-10123	6.1	o
2	Pomegranate-Inspired Nitrogen-Doped Carbon-Coated Bimetallic Sulfides as a High-Performance Anode of Sodium-Ion Batteries and Their Structural Evolution Analysis. <i>ACS Applied Energy Materials</i> , 2022 , 5, 3199-3207	6.1	o
1	Uniform Distribution of Li Deposition and High Utilization of Transferred Metallic Li Achieved by an Unusual Free-Standing Skeleton for High-Performance Li Metal Batteries. <i>ACS Applied Energy Materials</i> , 2022 , 5, 539-548	6.1	o