Wenping Sun

List of Publications by Citations

175 papers	9,934 citations	55 h-index	95 g-index
186 ext. papers	12,219 ext. citations	11 avg, IF	6.72 L-index

#	Paper	IF	Citations
175	Heterostructures for Electrochemical Hydrogen Evolution Reaction: A Review. *Advanced Functional Materials*, **2018**, 28, 1803291	15.6	514
174	Alloy-Based Anode Materials toward Advanced Sodium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1700622	24	461
173	Hybrid 2D Dual-Metal□Organic Frameworks for Enhanced Water Oxidation Catalysis. *Advanced Functional Materials*, **2018**, 28, 1801554	15.6	367
172	An Advanced Sodium-Ion Battery Composed of Carbon Coated Na□V□(PO□)□ in a Porous Graphene Network. *Advanced Materials*, **2015**, 27, 6670-6	24	363
171	Transition metal oxides for high performance sodium ion battery anodes. *Nano Energy*, **2014**, 5, 60-66	17.1	304
170	Amorphous Fe2O3 as a high-capacity, high-rate and long-life anode material for lithium ion batteries. *Nano Energy*, **2014**, 4, 23-30	17.1	258
169	Prussian Blue@C Composite as an Ultrahigh-Rate and Long-Life Sodium-Ion Battery Cathode. *Advanced Functional Materials*, **2016**, 26, 5315-5321	15.6	241
168	Nanostructured Metal Chalcogenides for Energy Storage and Electrocatalysis. *Advanced Functional Materials*, **2017**, 27, 1702317	15.6	234
167	Two-Dimensional Tin Disulfide Nanosheets for Enhanced Sodium Storage. *ACS Nano*, **2015**, 9, 11371-81	16.7	231
166	One-Pot Synthesis of Tunable Crystalline Ni3 S4 @Amorphous MoS2 Core/Shell Nanospheres for High-Performance Supercapacitors. *Small*, **2015**, 11, 3694-702	11	218
165	Ever-Increasing Pseudocapacitance in RGO□MnO□RGO Sandwich Nanostructures for Ultrahigh-Rate Lithium Storage. *Advanced Functional Materials*, **2016**, 26, 2198-2206	15.6	204
164	Active-Site-Enriched Iron-Doped Nickel/Cobalt Hydroxide Nanosheets for Enhanced Oxygen Evolution Reaction. *ACS Catalysis*, **2018**, 8, 5382-5390	13.1	198
163	Recent progress on silicon-based anode materials for practical lithium-ion battery applications. *Energy Storage Materials*, **2018**, 15, 422-446	19.4	192
162	Cobalt Sulfide Nanosheet/Graphene/Carbon Nanotube Nanocomposites as Flexible Electrodes for Hydrogen Evolution. *Angewandte Chemie*, **2014**, 126, 12802-12807	3.6	149
161	Few-layered Ni(OH)2 nanosheets for high-performance supercapacitors. *Journal of Power Sources*, **2015**, 295, 323-328	8.9	146
160	Engineering Hierarchical Hollow Nickel Sulfide Spheres for High-Performance Sodium Storage. *Advanced Functional Materials*, **2016**, 26, 7479-7485	15.6	142
159	Multifunctional Architectures Constructing of PANI Nanoneedle Arrays on MoS2 Thin Nanosheets for High-Energy Supercapacitors. *Small*, **2015**, 11, 4123-9	11	141

158	Platinum/Nickel Bicarbonate Heterostructures towards Accelerated Hydrogen Evolution under Alkaline Conditions. *Angewandte Chemie - International Edition*, **2019**, 58, 5432-5437	16.4	140
157	Cobalt sulfide nanosheet/graphene/carbon nanotube nanocomposites as flexible electrodes for hydrogen evolution. *Angewandte Chemie - International Edition*, **2014**, 53, 12594-9	16.4	131
156	Reversible conversion-alloying of Sb2O3 as a high-capacity, high-rate, and durable anode for sodium ion batteries. *ACS Applied Materials & Interfaces*, **2014**, 6, 19449-55	9.5	129
155	Two-dimensional NiCo2O4 nanosheet-coated three-dimensional graphene networks for high-rate, long-cycle-life supercapacitors. *Nanoscale*, **2015**, 7, 7035-9	7.7	126
154	Low-Coordinate Iridium Oxide Confined on Graphitic Carbon Nitride for Highly Efficient Oxygen Evolution. *Angewandte Chemie - International Edition*, **2019**, 58, 12540-12544	16.4	122
153	2D Black Phosphorus for Energy Storage and Thermoelectric Applications. *Small*, **2017**, 13, 1700661	11	113
152	Chemically Stable Yttrium and Tin Co-Doped Barium Zirconate Electrolyte for Next Generation High Performance Proton-Conducting Solid Oxide Fuel Cells. *Advanced Energy Materials*, **2013**, 3, 1041-1050	21.8	110
151	Fabrication and performance of a proton-conducting solid oxide fuel cell based on a thin BaZr0.8Y0.2O3 electrolyte membrane. *Journal of Power Sources*, **2010**, 195, 4727-4730	8.9	108
150	Ultrathin nickel oxide nanosheets for enhanced sodium and lithium storage. *Journal of Power Sources*, **2015**, 274, 755-761	8.9	104
149	Recent Progress on Nickel-Based Oxide/(Oxy)Hydroxide Electrocatalysts for the Oxygen Evolution Reaction. *Chemistry - A European Journal*, **2019**, 25, 703-713	4.8	100
148	2020 Roadmap on Carbon Materials for Energy Storage and Conversion. *Chemistry - an Asian Journal*, **2020**, 15, 995-1013	4.5	99
147	Biochemistry-Enabled 3D Foams for Ultrafast Battery Cathodes. *ACS Nano*, **2015**, 9, 4628-35	16.7	98
146	Bismuth sulfide: A high-capacity anode for sodium-ion batteries. *Journal of Power Sources*, **2016**, 309, 135-140	8.9	97
145	Direct Hybridization of Noble Metal Nanostructures on 2D Metal-Organic Framework Nanosheets To Catalyze Hydrogen Evolution. *Nano Letters*, **2019**, 19, 8447-8453	11.5	93
144	Controlled synthesis of zinc cobalt sulfide nanostructures in oil phase and their potential applications in electrochemical energy storage. *Journal of Materials Chemistry A*, **2015**, 3, 11462-11470	13	91
143	Electrostatic spray deposition of porous SnO2/graphene anode films and their enhanced lithium-storage properties. *ACS Applied Materials & Interfaces*, **2012**, 4, 6216-20	9.5	90
142	A novel single phase cathode material for a proton-conducting SOFC. *Electrochemistry Communications*, **2009**, 11, 688-690	5.1	88
141	An Ir/Ni(OH) Heterostructured Electrocatalyst for the Oxygen Evolution Reaction: Breaking the Scaling Relation, Stabilizing Iridium(V), and Beyond. *Advanced Materials*, **2020**, 32, e2000872	24	87

140	High performance proton-conducting solid oxide fuel cells with a stable Sm0.5Sr0.5Co3−Ce0.8Sm0.2O2− composite cathode. *Journal of Power Sources*, **2010**, 195, 3155-3158	8.9	87
139	Vanadium-based nanostructure materials for secondary lithium battery applications. *Nanoscale*, **2015**, 7, 14595-607	7.7	82
138	A high strength, free-standing cathode constructed by regulating graphitization and the pore structure in nitrogen-doped carbon nanofibers for flexible lithium–sulfur batteries. *Journal of Materials Chemistry A*, **2017**, 5, 6832-6839	13	79
137	2D Transition Metal Oxides/Hydroxides for Energy-Storage Applications. *ChemNanoMat*, **2016**, 2, 562-577	3.5	79
136	Functionalized few-layer black phosphorus with super-wettability towards enhanced reaction kinetics for rechargeable batteries. *Nano Energy*, **2017**, 40, 576-586	17.1	75
135	Synthesis and hydrogen permeation of Ni–Ba(Zr0.1Ce0.7Y0.2)O3− metal–ceramic asymmetric membranes. *International Journal of Hydrogen Energy*, **2011**, 36, 6337-6342	6.7	73
134	Hetero-interface constructs ion reservoir to enhance conversion reaction kinetics for sodium/lithium storage. *Energy Storage Materials*, **2019**, 18, 107-113	19.4	70
133	Non-carbon-supported single-atom site catalysts for electrocatalysis. *Energy and Environmental Science*, **2021**, 14, 2809-2858	35.4	66
132	A novel electronic current-blocked stable mixed ionic conductor for solid oxide fuel cells. *Journal of Power Sources*, **2011**, 196, 62-68	8.9	65
131	Multifunctional Active-Center-Transferable Platinum/Lithium Cobalt Oxide Heterostructured Electrocatalysts towards Superior Water Splitting. *Angewandte Chemie - International Edition*, **2020**, 59, 14533-14540	16.4	64
130	Electronic Structure Engineering of LiCoO2 toward Enhanced Oxygen Electrocatalysis. *Advanced Energy Materials*, **2019**, 9, 1803482	21.8	63
129	Spatially-confined lithiation–delithiation in highly dense nanocomposite anodes towards advanced lithium-ion batteries. *Energy and Environmental Science*, **2015**, 8, 1471-1479	35.4	62
128	An Easily Sintered, Chemically Stable, Barium Zirconate-Based Proton Conductor for High-Performance Proton-Conducting Solid Oxide Fuel Cells. *Advanced Functional Materials*, **2014**, 24, 5695-5702	15.6	62
127	New insights into understanding the exceptional electrochemical performance of P2-type manganese-based layered oxide cathode for sodium ion batteries. *Energy Storage Materials*, **2018**, 15, 257-265	19.4	61
126	Electrochemical potassium/lithium-ion intercalation into TiSe2: Kinetics and mechanism. *Energy Storage Materials*, **2019**, 16, 512-518	19.4	61
125	Electrochemically Inert g-C3N4 Promotes Water Oxidation Catalysis. *Advanced Functional Materials*, **2018**, 28, 1705583	15.6	60
124	2020 Roadmap on gas-involved photo- and electro- catalysis. *Chinese Chemical Letters*, **2019**, 30, 2089-2109	8.9	59
123	Synthesis and characterization of BaZr0.3Ce0.5Y0.2−YbxO3− proton conductor for solid oxide fuel cells. *Journal of Power Sources*, **2014**, 245, 953-957	8.9	58

122	Carbon Necklace Incorporated Electroactive Reservoir Constructing Flexible Papers for Advanced Lithium-Ion Batteries. *Small*, **2018**, 14, 1702770	11	56
121	CoSe /MoSe Heterostructures with Enriched Water Adsorption/Dissociation Sites towards Enhanced Alkaline Hydrogen Evolution Reaction. *Chemistry - A European Journal*, **2018**, 24, 11158-11165	4.8	55
120	Samarium and yttrium codoped BaCeO proton conductor with improved sinterability and higher electrical conductivity. *ACS Applied Materials & Interfaces*, **2014**, 6, 5175-82	9.5	52
119	In-situ formed Ce0.8Sm0.2O2@Ba(Ce, Zr)1(Sm, Y)xO3core/shell electron-blocking layer towards Ce0.8Sm0.2O2based solid oxide fuel cells with high open circuit voltages. *Nano Energy*, **2014**, 8, 305-311	17.1	52
118	Fabrication and characterization of easily sintered and stable anode-supported proton-conducting membranes. *Journal of Membrane Science*, **2009**, 336, 1-6	9.6	50
117	Hexagonal Boron Nitride as a Multifunctional Support for Engineering Efficient Electrocatalysts toward the Oxygen Reduction Reaction. *Nano Letters*, **2020**, 20, 6807-6814	11.5	50
116	CO2-Resistant Hydrogen Permeation Membranes Based on Doped Ceria and Nickel. *Journal of Physical Chemistry C*, **2010**, 114, 10986-10991	3.8	49
115	Epitaxial growth of Ni(OH) nanoclusters on MoS nanosheets for enhanced alkaline hydrogen evolution reaction. *Nanoscale*, **2018**, 10, 19074-19081	7.7	48
114	A novel cobalt-free, CO2-stable, and reduction-tolerant dual-phase oxygen-permeable membrane. *ACS Applied Materials & Interfaces*, **2013**, 5, 11038-43	9.5	47
113	Interface Engineering of Air Electrocatalysts for Rechargeable ZincAir Batteries. *Advanced Energy Materials*, **2021**, 11, 2002762	21.8	47
112	Chemically stable and easily sintered high-temperature proton conductor BaZr0.8In0.2O3for solid oxide fuel cells. *Journal of Power Sources*, **2013**, 229, 95-101	8.9	46
111	Effect of Sm-doping on the hydrogen permeation of Nia2Ce2O7 mixed protonicelectronic conductor. *International Journal of Hydrogen Energy*, **2010**, 35, 4508-4511	6.7	44
110	A high performance BaZr0.1Ce0.7Y0.2O3-based solid oxide fuel cell with a cobalt-free Ba0.5Sr0.5FeO3-Ce0.8Sm0.2O2-composite cathode. *International Journal of Hydrogen Energy*, **2010**, 35, 7925-7929	6.7	44
109	Biochemistry-derived porous carbon-encapsulated metal oxide nanocrystals for enhanced sodium storage. *Nano Energy*, **2016**, 21, 71-79	17.1	41
108	Interface engineering of heterostructured electrocatalysts towards efficient alkaline hydrogen electrocatalysis. *Science Bulletin*, **2021**, 66, 85-96	10.6	40
107	Gradient substitution: an intrinsic strategy towards high performance sodium storage in Prussian blue-based cathodes. *Journal of Materials Chemistry A*, **2018**, 6, 8947-8954	13	39
106	High-performance NiBaZr0.1Ce0.7Y0.1Yb0.1O3(BZCYYb) membranes for hydrogen separation. *International Journal of Hydrogen Energy*, **2013**, 38, 14743-14749	6.7	39
105	Electrocatalytically inactive SnS2 promotes water adsorption/dissociation on molybdenum dichalcogenides for accelerated alkaline hydrogen evolution. *Nano Energy*, **2019**, 64, 103918	17.1	37

104	A novel ceria-based solid oxide fuel cell free from internal short circuit. *Journal of Power Sources*, **2012**, 217, 114-119	8.9	36
103	Investigation on Proton Conductivity of La2Ce2O7 in Wet Atmosphere: Dependence on Water Vapor Partial Pressure. *Fuel Cells*, **2012**, 12, 457-463	2.9	36
102	Optimization of BaZr0.1Ce0.7Y0.2O3-δ based proton-conducting solid oxide fuel cells with a cobalt-free proton-blocking La0.7Sr0.3FeO3-δ–Ce0.8Sm0.2O2-δ composite cathode. *International Journal of Hydrogen Energy*, **2011**, 36, 9956-9966	6.7	35
101	Proton-Blocking Composite Cathode for Proton-Conducting Solid Oxide Fuel Cell. *Journal of the Electrochemical Society*, **2011**, 158, B1432	3.9	35
100	Recent progress on hybrid electrocatalysts for efficient electrochemical CO2 reduction. *Nano Energy*, **2021**, 80, 105504	17.1	34
99	Pollen-inspired synthesis of porous and hollow NiO elliptical microstructures assembled from nanosheets for high-performance electrochemical energy storage. *Chemical Engineering Journal*, **2017**, 321, 546-553	14.7	33
98	Cost-Effective Vertical Carbon Nanosheets/Iron-Based Composites as Efficient Electrocatalysts for Water Splitting Reaction. *Chemistry of Materials*, **2018**, 30, 4762-4769	9.6	33
97	Bilayered BaZr0.1Ce0.7Y0.2O3-δ/Ce0.8Sm0.2O2-δ electrolyte membranes for solid oxide fuel cells with high open circuit voltages. *Journal of Membrane Science*, **2015**, 476, 394-398	9.6	32
96	Fabrication and characterization of anode-supported dense BaZr0.8Y0.2O3-δ electrolyte membranes by a dip-coating process. *Materials Letters*, **2012**, 73, 198-201	3.3	32
95	Enhanced Reaction Kinetics and Structure Integrity of Ni/SnO2 Nanocluster toward High-Performance Lithium Storage. *ACS Applied Materials & Interfaces*, **2015**, 7, 26367-73	9.5	31
94	A mixed-conducting BaPr0.8In0.2O3-δ cathode for proton-conducting solid oxide fuel cells. *Electrochemistry Communications*, **2013**, 27, 19-21	5.1	31
93	A cathode-supported SOFC with thin Ce0.8Sm0.2O1.9 electrolyte prepared by a suspension spray. *Journal of Alloys and Compounds*, **2008**, 465, 285-290	5.7	31
92	Proton-conducting solid oxide fuel cells prepared by a single step co-firing process. *Journal of Power Sources*, **2009**, 191, 428-432	8.9	30
91	Heteroatom-doped MoSe Nanosheets with Enhanced Hydrogen Evolution Kinetics for Alkaline Water Splitting. *Chemistry - an Asian Journal*, **2019**, 14, 301-306	4.5	30
90	Boosting electrochemical water oxidation: the merits of heterostructured electrocatalysts. *Journal of Materials Chemistry A*, **2020**, 8, 6393-6405	13	29
89	Evaluation of BaZr0.1Ce0.7Y0.2O3-δ based proton-conducting solid oxide fuel cells fabricated by a one-step co-firing process. *Electrochimica Acta*, **2011**, 56, 1447-1454	6.7	29
88	Inhibitory KIR and specific HLA-C gene combinations confer susceptibility to or protection against chronic hepatitis B. *Clinical Immunology*, **2010**, 137, 139-46	9	29
87	A mixed electronic and protonic conducting hydrogen separation membrane with asymmetric structure. *International Journal of Hydrogen Energy*, **2012**, 37, 12708-12713	6.7	28

86	Proton-conducting solid oxide fuel cells with yttrium-doped barium zirconate electrolyte films sintered at reduced temperatures. *Journal of Alloys and Compounds*, **2016**, 658, 716-720	5.7	27
85	Conversion-Alloying Anode Materials for Sodium Ion Batteries. *Small*, **2021**, 17, e2101137	11	27
84	Interlayer-Expanded Metal Sulfides on Graphene Triggered by a Molecularly Self-Promoting Process for Enhanced Lithium Ion Storage. *ACS Applied Materials & Interfaces*, **2017**, 9, 40317-40323	9.5	26
83	Influence of fabrication process of NiBaCe0.7Zr0.1Y0.2O3 cermet on the hydrogen permeation performance. *Journal of Alloys and Compounds*, **2010**, 508, L5-L8	5.7	26
82	Two-Dimensional Cobalt-/Nickel-Based Oxide Nanosheets for High-Performance Sodium and Lithium Storage. *Chemistry - A European Journal*, **2016**, 22, 18060-18065	4.8	26
81	Cost-effective utilization of mineral-based raw materials for preparation of porous mullite ceramic membranes via in-situ reaction method. *Applied Clay Science*, **2016**, 120, 135-141	5.2	25
80	Readily Exfoliated TiSe Nanosheets for High-Performance Sodium Storage. *Chemistry - A European Journal*, **2018**, 24, 1193-1197	4.8	24
79	Evaluation of hydrogen permeation properties of NiBa(Zr0.7Pr0.1Y0.2)O3 cermet membranes. *International Journal of Hydrogen Energy*, **2014**, 39, 11683-11689	6.7	23
78	Engineering additional edge sites on molybdenum dichalcogenides toward accelerated alkaline hydrogen evolution kinetics. *Nanoscale*, **2019**, 11, 717-724	7.7	22
77	A cobalt-free composite cathode prepared by a superior method for intermediate temperature solid oxide fuel cells. *Journal of Power Sources*, **2012**, 217, 431-436	8.9	22
76	Manipulating the Coordination Chemistry of Ru?N(O)?C Moieties for Fast Alkaline Hydrogen Evolution Kinetics. *Advanced Functional Materials*, **2021**, 31, 2100698	15.6	22
75	Tuning the Thickness of Ba-Containing "Functional" Layer toward High-Performance Ceria-Based Solid Oxide Fuel Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 10835-40	9.5	22
74	Homogeneous Sulfur–Cobalt Sulfide Nanocomposites as Lithium–Sulfur Battery Cathodes with Enhanced Reaction Kinetics. *ACS Applied Energy Materials*, **2018**, 1, 167-172	6.1	22
73	Phosphorene-Based Electrocatalysts. *Chemistry - A European Journal*, **2020**, 26, 6437-6446	4.8	21
72	Conversion of uniform graphene oxide/polypyrrole composites into functionalized 3D carbon nanosheet frameworks with superior supercapacitive and sodium-ion storage properties. *Journal of Power Sources*, **2016**, 307, 17-24	8.9	21
71	Fast-pulverization enabled simultaneous enhancement on cycling stability and rate capability of C@NiFe2O4 hierarchical fibrous bundle. *Journal of Power Sources*, **2017**, 363, 209-217	8.9	21
70	Lattice-Confined Ir Clusters on Pd Nanosheets with Charge Redistribution for the Hydrogen Oxidation Reaction under Alkaline Conditions. *Advanced Materials*, **2021**, 33, e2105400	24	20
69	A high stability Ni–La 0.5 Ce 0.5 O 2– asymmetrical metal-ceramic membrane for hydrogen separation and generation. *Journal of Power Sources*, **2015**, 281, 417-424	8.9	19

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67	Non-Platinum Group Metal Electrocatalysts toward Efficient Hydrogen Oxidation Reaction. *Advanced Functional Materials*, **2021**, 31, 2010633	15.6	19
66	Platinum/Nickel Bicarbonate Heterostructures towards Accelerated Hydrogen Evolution under Alkaline Conditions. *Angewandte Chemie*, **2019**, 131, 5486-5491	3.6	18
65	Chemically stable BaZr0.7Pr0.1Y0.2O3-BaCe0.8Y0.2O3- bilayer electrolyte for intermediate temperature solid oxide fuel cells. *Electrochimica Acta*, **2015**, 151, 497-501	6.7	18
64	Fabrication and performance of BaCe0.8Y0.2O3BaZr0.8Y0.2O3 bilayer electrolyte for anode-supported solid oxide fuel cells. *Journal of Power Sources*, **2014**, 249, 131-136	8.9	18
63	Iron-Doped Nickel Molybdate with Enhanced Oxygen Evolution Kinetics. *Chemistry - A European Journal*, **2019**, 25, 280-284	4.8	18
62	Ce0.8Sm0.2O1.9 decorated with electron-blocking acceptor-doped BaCeO3 as electrolyte for low-temperature solid oxide fuel cells. *Electrochimica Acta*, **2017**, 228, 226-232	6.7	17
61	Zinc Anode for Mild Aqueous Zinc-Ion Batteries: Challenges, Strategies, and Perspectives.. *Nano-Micro Letters*, **2022**, 14, 42	19.5	17
60	Nickel single atom-decorated carbon nanosheets as multifunctional electrocatalyst supports toward efficient alkaline hydrogen evolution. *Nano Energy*, **2021**, 83, 105850	17.1	17
59	A novel cobalt-free CO2-stable perovskite-type oxygen permeable membrane. *Journal of Membrane Science*, **2019**, 573, 504-510	9.6	17
58	A new in situ strategy to eliminate partial internal short circuit in Ce0.8Sm0.2O1.9-based solid oxide fuel cells. *Journal of Materials Chemistry A*, **2017**, 5, 12873-12878	13	16
57	Single-Atom Electrocatalysts for Multi-Electron Reduction of CO. *Small*, **2021**, 17, e2101443	11	16
56	Considerable Hydrogen Permeation Behavior through a Dense Ce0.8Sm0.2O2- (SDC) Asymmetric Thick Film. *Journal of the Electrochemical Society*, **2013**, 160, F585-F590	3.9	15
55	Atomic-Level Modulation of the Interface Chemistry of Platinum-Nickel Oxide toward Enhanced Hydrogen Electrocatalysis Kinetics. *Nano Letters*, **2021**, 21, 4845-4852	11.5	15
54	Highly active Sm0.2Ce0.8O1.9 powders of very low apparent density derived from mixed cerium sources. *Journal of Power Sources*, **2013**, 229, 277-284	8.9	14
53	A small change in the local atomic environment for a big improvement in single-atom catalysis. *Journal of Materials Chemistry A*, **2021**, 9, 4184-4192	13	14
52	Unusual enhancement in electrical conductivity of tin oxide thin films with zinc doping. *Physical Chemistry Chemical Physics*, **2011**, 13, 5760-3	3.6	13
51	Fabrication of BaZr0.1Ce0.7Y0.2O3 Based Proton-Conducting Solid Oxide Fuel Cells Co-Fired at 1,150 C. *Fuel Cells*, **2010**, 10, 1108-1113	2.9	13

50	A Novel Perovskite Electron-Ion Conductive Coating to Simultaneously Enhance Cycling Stability and Rate Capability of Li Ni Co Mn O Cathode Material for Lithium-Ion Batteries. *Small*, **2021**, 17, e2008132	11	12
49	Barium- and Strontium-Containing Anode Materials toward Ceria-Based Solid Oxide Fuel Cells with High Open Circuit Voltages. *ACS Applied Energy Materials*, **2018**, 1, 3521-3528	6.1	12
48	Multifunctional Active-Center-Transferable Platinum/Lithium Cobalt Oxide Heterostructured Electrocatalysts towards Superior Water Splitting. *Angewandte Chemie*, **2020**, 132, 14641-14648	3.6	11
47	Low-Coordinate Iridium Oxide Confined on Graphitic Carbon Nitride for Highly Efficient Oxygen Evolution. *Angewandte Chemie*, **2019**, 131, 12670-12674	3.6	11
46	Nickel-Based Bicarbonates as Bifunctional Catalysts for Oxygen Evolution and Reduction Reaction in Alkaline Media. *Chemistry - A European Journal*, **2018**, 24, 17665-17671	4.8	11
45	Intercalation Pseudocapacitance Boosting Ultrafast Sodium Storage in Prussian Blue Analogs. *ChemSusChem*, **2019**, 12, 2415-2420	8.3	10
44	Strategies of engineering 2D nanomaterial-based electrocatalysts toward hydrogen evolution reaction. *Materials for Renewable and Sustainable Energy*, **2020**, 9, 1	4.7	10
43	Enhanced Hydrogen Storage Performance of MgH2 by the Catalysis of a Novel Intersected Y2O3/NiO Hybrid. *Processes*, **2021**, 9, 892	2.9	10
42	Understanding the structural and chemical evolution of layered potassium titanates for sodium ion batteries. *Energy Storage Materials*, **2020**, 25, 502-509	19.4	9
41	Electrocatalytic Water Splitting: From Harsh and Mild Conditions to Natural Seawater. *Small*, **2021**, e2105830	13	9
40	Crystal structure, electrical conductivity and sintering of Ba0.5Sr0.5ZnxFe1□O3□ *Journal of Alloys and Compounds*, **2009**, 485, 872-875	5.7	8
39	Electrostatic Spray Assembly of Nanostructured La[sub 0.7]Ca[sub 0.3]CrO[sub 3]Films. *Journal of the Electrochemical Society*, **2007**, 154, E107	3.9	8
38	A Unique Structural Highly Compacted Binder-Free Silicon-Based Anode with High Electronic Conductivity for High-Performance Lithium-Ion Batteries. *Small Structures*,2100174	8.7	8
37	Structural Engineering in Graphite-Based Metal-Ion Batteries. *Advanced Functional Materials*,2107277	15.6	8
36	On the Durability of Iridium-Based Electrocatalysts toward the Oxygen Evolution Reaction under Acid Environment. *Advanced Functional Materials*,2108465	15.6	8
35	2D Metal-Free Nanomaterials Beyond Graphene and Its Analogues toward Electrocatalysis Applications. *Advanced Energy Materials*, **2021**, 11, 2101202	21.8	8
34	A Novel Tin-Bonded Silicon Anode for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 45578-45588	9.5	8
33	Reversible Magnesium Metal Anode Enabled by Cooperative Solvation/Surface Engineering in Carbonate Electrolytes. *Nano-Micro Letters*, **2021**, 13, 195	19.5	7

32	From Fundamentals and Theories to Heterostructured Electrocatalyst Design: An In-depth Understanding of Alkaline Hydrogen Evolution Reaction. *Nano Energy*, **2022**, 107231	17.1	7
31	Application of nBu2Sn(acac)2 for the deposition of nanocrystallite SnO2 films: Nucleation, growth and physical properties. *Journal of Alloys and Compounds*, **2011**, 509, 7798-7802	5.7	6
30	The impact of sodium aescinate on acute lung injury induced by oleic acid in rats. *Experimental Lung Research*, **2011**, 37, 585-99	2.3	6
29	A Redox Couple Strategy Enables Long-Cycling Li- and Mn-Rich Layered Oxide Cathodes by Suppressing Oxygen Release.. *Advanced Materials*, **2022**, e2108543	24	6
28	Homogeneous Na Deposition Enabling High-Energy Na-Metal Batteries. *Advanced Functional Materials*,2110280	15.6	6
27	A nanoconfined-LiBH4 system using a unique multifunctional porous scaffold of carbon wrapped ultrafine Fe3O4 skeleton for reversible hydrogen storage with high capacity. *Chemical Engineering Journal*, **2022**, 428, 131056	14.7	6
26	Energetic Aqueous Batteries. *Advanced Energy Materials*,2201074	21.8	6
25	Objective assessment of health or pre-chronic disease state based on a health test index derived from routinely measured clinical laboratory parameters. *Journal of Translational Medicine*, **2015**, 13, 127	8.5	5
24	Hydrogen oxidation at the Pt-BaZr0.1Ce0.7Y0.1Yb0.1O3-δ(BZCYYb) interface. *Physical Chemistry Chemical Physics*, **2013**, 15, 3820-6	3.6	5
23	Hybrid Design of Bulk-Na Metal Anode to Minimize Cycle-Induced Interface Deterioration of Solid Na Metal Battery. *Advanced Energy Materials*, **2022**, 12, 2102579	21.8	5
22	Zero-Strain Structure for Efficient Potassium Storage Nitrogen-Enriched Carbon Dual-Confinement CoP Composite. *Advanced Energy Materials*,2103341	21.8	5
21	Supported Sub-Nanometer Clusters for Electrocatalysis Applications. *Advanced Functional Materials*,2202227	18.5	5
20	Synthesis of SmBaCo2O6−δpowder by the combustion process using Co3O4 as precursor. *Journal of Alloys and Compounds*, **2009**, 481, L40-L42	5.7	4
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