Wenping Sun

List of Publications by Year
in descending order

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		13865	20358
182	15,032	67	116
papers	citations	h-index	g-index

186	186	186	14199
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Heterostructures for Electrochemical Hydrogen Evolution Reaction: A Review. Advanced Functional Materials, 2018, 28, 1803291.	14.9	906
2	Alloyâ€Based Anode Materials toward Advanced Sodiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1700622.	21.0	613
3	Hybrid 2D Dualâ€Metalâ€“Organic Frameworks for Enhanced Water Oxidation Catalysis. Advanced Functional Materials, 2018, 28, 1801554.	14.9	550
4	An Advanced Sodiumâ€Ion Battery Composed of Carbon Coated Na₃V₂(PO₄)₃ in a Porous Graphene Network. Advanced Materials, 2015, 27, 6670-6676.	21.0	448
5	Transition metal oxides for high performance sodium ion battery anodes. Nano Energy, 2014, 5, 60-66.	16.0	361
6	Nanostructured Metal Chalcogenides for Energy Storage and Electrocatalysis. Advanced Functional Materials, 2017, 27, 1702317.	14.9	339
7	Prussian Blue@C Composite as an Ultrahighâ€Rate and Longâ€Life Sodiumâ€Ion Battery Cathode. Advanced Functional Materials, 2016, 26, 5315-5321.	14.9	328
8	Active-Site-Enriched Iron-Doped Nickel/Cobalt Hydroxide Nanosheets for Enhanced Oxygen Evolution Reaction. ACS Catalysis, 2018, 8, 5382-5390.	11.2	311
9	Amorphous Fe2O3 as a high-capacity, high-rate and long-life anode material for lithium ion batteries. Nano Energy, 2014, 4, 23-30.	16.0	307
10	Recent progress on silicon-based anode materials for practical lithium-ion battery applications. Energy Storage Materials, 2018, 15, 422-446.	18.0	292
11	Two-Dimensional Tin Disulfide Nanosheets for Enhanced Sodium Storage. ACS Nano, 2015, 9, 11371-11381.	14.6	257
12	Cobalt Sulfide Nanosheet/Graphene/Carbon Nanotube Nanocomposites as Flexible Electrodes for Hydrogen Evolution. Angewandte Chemie - International Edition, 2014, 53, 12594-12599.	13.8	252
13	Oneâ€Pot Synthesis of Tunable Crystalline Ni₃S₄@Amorphous MoS₂ Core/Shell Nanospheres for Highâ€Performance Supercapacitors. Small, 2015, 11, 3694-3702.	10.0	243
14	Everâ€Increasing Pseudocapacitance in RGOâ€“MnOâ€“RGO Sandwich Nanostructures for Ultrahighâ€Rate Lithium Storage. Advanced Functional Materials, 2016, 26, 2198-2206.	14.9	238
15	Lowâ€Coordinate Iridium Oxide Confined on Graphitic Carbon Nitride for Highly Efficient Oxygen Evolution. Angewandte Chemie - International Edition, 2019, 58, 12540-12544.	13.8	208
16	Zinc Anode for Mild Aqueous Zinc-Ion Batteries: Challenges, Strategies, and Perspectives. Nano-Micro Letters, 2022, 14, 42.	27.0	207
17	Non-carbon-supported single-atom site catalysts for electrocatalysis. Energy and Environmental Science, 2021, 14, 2809-2858.	30.8	198
18	Platinum/Nickel Bicarbonate Heterostructures towards Accelerated Hydrogen Evolution under Alkaline Conditions. Angewandte Chemie - International Edition, 2019, 58, 5432-5437.	13.8	194

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19	An Ir/Ni(OH)₂ Heterostructured Electrocatalyst for the Oxygen Evolution Reaction: Breaking the Scaling Relation, Stabilizing Iridium(V), and Beyond. Advanced Materials, 2020, 32, e2000872.	21.0	187
20	Few-layered Ni(OH)2 nanosheets for high-performance supercapacitors. Journal of Power Sources, 2015, 295, 323-328.	7.8	180
21	Engineering Hierarchical Hollow Nickel Sulfide Spheres for Highâ€Performance Sodium Storage. Advanced Functional Materials, 2016, 26, 7479-7485.	14.9	174
22	Recent Progress on Nickelâ€Based Oxide/(Oxy)Hydroxide Electrocatalysts for the Oxygen Evolution Reaction. Chemistry - A European Journal, 2019, 25, 703-713.	3.3	170
23	Multifunctional Architectures Constructing of PANI Nanoneedle Arrays on MoS₂ Thin Nanosheets for Highâ€Energy Supercapacitors. Small, 2015, 11, 4123-4129.	10.0	164
24	Direct Hybridization of Noble Metal Nanostructures on 2D Metalâ€“Organic Framework Nanosheets To Catalyze Hydrogen Evolution. Nano Letters, 2019, 19, 8447-8453.	9.1	160
25	2020 Roadmap on Carbon Materials for Energy Storage and Conversion. Chemistry - an Asian Journal, 2020, 15, 995-1013.	3.3	154
26	Ruâ€“Co Pair Sites Catalyst Boosts the Energetics for the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2022, 61, .	13.8	154
27	Multifunctional Activeâ€Centerâ€Transferable Platinum/Lithium Cobalt Oxide Heterostructured Electrocatalysts towards Superior Water Splitting. Angewandte Chemie - International Edition, 2020, 59, 14533-14540.	13.8	152
28	Reversible Conversion-Alloying of Sb₂O₃ as a High-Capacity, High-Rate, and Durable Anode for Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2014, 6, 19449-19455.	8.0	143
29	Chemically Stable Yttrium and Tin Coâ€Doped Barium Zirconate Electrolyte for Next Generation High Performance Protonâ€Conducting Solid Oxide Fuel Cells. Advanced Energy Materials, 2013, 3, 1041-1050.	19.5	140
30	2D Black Phosphorus for Energy Storage and Thermoelectric Applications. Small, 2017, 13, 1700661.	10.0	139
31	Two-dimensional NiCo₂O₄nanosheet-coated three-dimensional graphene networks for high-rate, long-cycle-life supercapacitors. Nanoscale, 2015, 7, 7035-7039.	5.6	134
32	Interface Engineering of Air Electrocatalysts for Rechargeable Zincâ€“Air Batteries. Advanced Energy Materials, 2021, 11, 2002762.	19.5	129
33	Interface engineering of heterostructured electrocatalysts towards efficient alkaline hydrogen electrocatalysis. Science Bulletin, 2021, 66, 85-96.	9.0	127
34	Fabrication and performance of a proton-conducting solid oxide fuel cell based on a thin BaZr0.8Y0.2O3â^Î´ electrolyte membrane. Journal of Power Sources, 2010, 195, 4727-4730.	7.8	123
35	Bismuth sulfide: A high-capacity anode for sodium-ion batteries. Journal of Power Sources, 2016, 309, 135-140.	7.8	122
36	Ultrathin nickel oxide nanosheets for enhanced sodium and lithium storage. Journal of Power Sources, 2015, 274, 755-761.	7.8	114

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37	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.	10.3	113
38	2D Transition Metal Oxides/Hydroxides for Energyâ€Storage Applications. ChemNanoMat, 2016, 2, 562-577.	2.8	113
39	A novel single phase cathode material for a proton-conducting SOFC. Electrochemistry Communications, 2009, 11, 688-690.	4.7	105
40	Hetero-interface constructs ion reservoir to enhance conversion reaction kinetics for sodium/lithium storage. Energy Storage Materials, 2019, 18, 107-113.	18.0	105
41	Electrocatalytic Water Splitting: From Harsh and Mild Conditions to Natural Seawater. Small, 2022, 18, e2105830.	10.0	103
42	Biochemistry-Enabled 3D Foams for Ultrafast Battery Cathodes. ACS Nano, 2015, 9, 4628-4635.	14.6	102
43	Conversionâ€Alloying Anode Materials for Sodium Ion Batteries. Small, 2021, 17, e2101137.	10.0	102
44	Electrostatic Spray Deposition of Porous SnO₂/Graphene Anode Films and Their Enhanced Lithium-Storage Properties. ACS Applied Materials & Interfaces, 2012, 4, 6216-6220.	8.0	100
45	High performance proton-conducting solid oxide fuel cells with a stable Sm0.5Sr0.5Co3â^'Îâ€“Ce0.8Sm0.2O2â^'Î´ composite cathode. Journal of Power Sources, 2010, 195, 3155-3158.	7.8	95
46	Functionalized few-layer black phosphorus with super-wettability towards enhanced reaction kinetics for rechargeable batteries. Nano Energy, 2017, 40, 576-586.	16.0	95
47	A high strength, free-standing cathode constructed by regulating graphitization and the pore structure in nitrogen-doped carbon nanofibers for flexible lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 6832-6839.	10.3	94
48	Vanadium-based nanostructure materials for secondary lithium battery applications. Nanoscale, 2015, 7, 14595-14607.	5.6	93
49	On the Durability of Iridiumâ€Based Electrocatalysts toward the Oxygen Evolution Reaction under Acid Environment. Advanced Functional Materials, 2022, 32, 2108465.	14.9	88
50	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.	18.0	86
51	Electronic Structure Engineering of LiCoO₂ toward Enhanced Oxygen Electrocatalysis. Advanced Energy Materials, 2019, 9, 1803482.	19.5	85
52	Electrochemically Inert gâ€₃N₄ Promotes Water Oxidation Catalysis. Advanced Functional Materials, 2018, 28, 1705583.	14.9	84
53	Electrochemical potassium/lithium-ion intercalation into TiSe2: Kinetics and mechanism. Energy Storage Materials, 2019, 16, 512-518.	18.0	84
54	CoSe₂/MoSe₂ Heterostructures with Enriched Water Adsorption/Dissociation Sites towards Enhanced Alkaline Hydrogen Evolution Reaction. Chemistry - A European Journal, 2018, 24, 11158-11165.	3.3	82

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55	Hexagonal Boron Nitride as a Multifunctional Support for Engineering Efficient Electrocatalysts toward the Oxygen Reduction Reaction. Nano Letters, 2020, 20, 6807-6814.	9.1	82
56	An Easily Sintered, Chemically Stable, Barium Zirconateâ€Based Proton Conductor for Highâ€Performance Protonâ€Conducting Solid Oxide Fuel Cells. Advanced Functional Materials, 2014, 24, 5695-5702.	14.9	81
57	Synthesis and hydrogen permeation of Niâ€“Ba(Zr0.1Ce0.7Y0.2)O3â^Î´ metalâ€“ceramic asymmetric membranes. International Journal of Hydrogen Energy, 2011, 36, 6337-6342.	7.1	80
58	Recent progress on hybrid electrocatalysts for efficient electrochemical CO2 reduction. Nano Energy, 2021, 80, 105504.	16.0	78
59	Latticeâ€Confined Ir Clusters on Pd Nanosheets with Charge Redistribution for the Hydrogen Oxidation Reaction under Alkaline Conditions. Advanced Materials, 2021, 33, e2105400.	21.0	76
60	From fundamentals and theories to heterostructured electrocatalyst design: An in-depth understanding of alkaline hydrogen evolution reaction. Nano Energy, 2022, 98, 107231.	16.0	76
61	Samarium and Yttrium Codoped BaCeO₃ Proton Conductor with Improved Sinterability and Higher Electrical Conductivity. ACS Applied Materials & Interfaces, 2014, 6, 5175-5182.	8.0	75
62	Epitaxial growth of Ni(OH)₂ nanoclusters on MoS₂ nanosheets for enhanced alkaline hydrogen evolution reaction. Nanoscale, 2018, 10, 19074-19081.	5.6	74
63	Manipulating the Coordination Chemistry of Ruï£¿N(O)ï£¿C Moieties for Fast Alkaline Hydrogen Evolution Kinetics. Advanced Functional Materials, 2021, 31, 2100698.	14.9	74
64	A novel electronic current-blocked stable mixed ionic conductor for solid oxide fuel cells. Journal of Power Sources, 2011, 196, 62-68.	7.8	73
65	2020 Roadmap on gas-involved photo- and electro- catalysis. Chinese Chemical Letters, 2019, 30, 2089-2109.	9.0	71
66	Carbon Necklace Incorporated Electroactive Reservoir Constructing Flexible Papers for Advanced Lithiumâ€“Ion Batteries. Small, 2018, 14, 1702770.	10.0	70
67	Spatially-confined lithiationâ€“delithiation in highly dense nanocomposite anodes towards advanced lithium-ion batteries. Energy and Environmental Science, 2015, 8, 1471-1479.	30.8	69
68	Synthesis and characterization of BaZr0.3Ce0.5Y0.2â^'xYbxO3â^'Î´ proton conductor for solid oxide fuel cells. Journal of Power Sources, 2014, 245, 953-957.	7.8	66
69	Nickel single atom-decorated carbon nanosheets as multifunctional electrocatalyst supports toward efficient alkaline hydrogen evolution. Nano Energy, 2021, 83, 105850.	16.0	66
70	In-situ formed Ce0.8Sm0.2O2â^'Î´@Ba(Ce, Zr)1â^'x(Sm, Y)xO3â^'Î´ core/shell electron-blocking layer towards Ce0.8Sm0.2O2â^'Î´-based solid oxide fuel cells with high open circuit voltages. Nano Energy, 2014, 8, 305-311.	16.0	63
71	Boosting electrochemical water oxidation: the merits of heterostructured electrocatalysts. Journal of Materials Chemistry A, 2020, 8, 6393-6405.	10.3	63
72	Structural Engineering in Graphiteâ€Based Metalâ€Ion Batteries. Advanced Functional Materials, 2022, 32, 2107277.	14.9	59

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73	CO₂-Resistant Hydrogen Permeation Membranes Based on Doped Ceria and Nickel. Journal of Physical Chemistry C, 2010, 114, 10986-10991.	3.1	58
74	Electrocatalytically inactive SnS2 promotes water adsorption/dissociation on molybdenum dichalcogenides for accelerated alkaline hydrogen evolution. Nano Energy, 2019, 64, 103918.	16.0	58
75	Chemically stable and easily sintered high-temperature proton conductor BaZr0.8In0.2O3â^Î´ for solid oxide fuel cells. Journal of Power Sources, 2013, 229, 95-101.	7.8	57
76	Gradient substitution: an intrinsic strategy towards high performance sodium storage in Prussian blue-based cathodes. Journal of Materials Chemistry A, 2018, 6, 8947-8954.	10.3	55
77	Effect of Sm-doping on the hydrogen permeation of Niâ€“La2Ce2O7 mixed protonicâ€“electronic conductor. International Journal of Hydrogen Energy, 2010, 35, 4508-4511.	7.1	54
78	Nonâ€Platinum Group Metal Electrocatalysts toward Efficient Hydrogen Oxidation Reaction. Advanced Functional Materials, 2021, 31, 2010633.	14.9	54
79	Fabrication and characterization of easily sintered and stable anode-supported proton-conducting membranes. Journal of Membrane Science, 2009, 336, 1-6.	8.2	53
80	A high performance BaZr0.1Ce0.7Y0.2O3-Î´-based solid oxide fuel cell with a cobalt-free Ba0.5Sr0.5FeO3-Î´â€“Ce0.8Sm0.2O2-Î´ composite cathode. International Journal of Hydrogen Energy, 2010, 35, 7925-7929.	7.1	53
81	A Novel Cobalt-Free, CO₂-Stable, and Reduction-Tolerant Dual-Phase Oxygen-Permeable Membrane. ACS Applied Materials & Interfaces, 2013, 5, 11038-11043.	8.0	53
82	Investigation on Proton Conductivity of La₂Ce₂O₇ in Wet Atmosphere: Dependence on Water Vapor Partial Pressure. Fuel Cells, 2012, 12, 457-463.	2.4	49
83	Biochemistry-derived porous carbon-encapsulated metal oxide nanocrystals for enhanced sodium storage. Nano Energy, 2016, 21, 71-79.	16.0	49
84	High-performance Niâ€“BaZr0.1Ce0.7Y0.1Yb0.1O3â^Î´ (BZCYYb) membranes for hydrogen separation. International Journal of Hydrogen Energy, 2013, 38, 14743-14749.	7.1	48
85	Cost-Effective Vertical Carbon Nanosheets/Iron-Based Composites as Efficient Electrocatalysts for Water Splitting Reaction. Chemistry of Materials, 2018, 30, 4762-4769.	6.7	48
86	Energetic Aqueous Batteries. Advanced Energy Materials, 2022, 12, .	19.5	48
87	Proton-Blocking Composite Cathode for Proton-Conducting Solid Oxide Fuel Cell. Journal of the Electrochemical Society, 2011, 158, B1432.	2.9	46
88	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.	10.3	44
89	Singleâ€Atom Electrocatalysts for Multiâ€Electron Reduction of CO₂. Small, 2021, 17, e2101443.	10.0	44
90	A Unique Nanoflakeâ€Shape Bimetallic Tiâ€“Nb Oxide of Superior Catalytic Effect for Hydrogen Storage of MgH₂. Small, 2022, 18, e2107013.	10.0	44

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91	Bilayered BaZr0.1Ce0.7Y0.2O3-Î´/Ce0.8Sm0.2O2-Î´ electrolyte membranes for solid oxide fuel cells with high open circuit voltages. Journal of Membrane Science, 2015, 476, 394-398.	8.2	43
92	Heteroatomâ€doped MoSe₂ Nanosheets with Enhanced Hydrogen Evolution Kinetics for Alkaline Water Splitting. Chemistry - an Asian Journal, 2019, 14, 301-306.	3.3	41
93	A novel ceria-based solid oxide fuel cell free from internal short circuit. Journal of Power Sources, 2012, 217, 114-119.	7.8	40
94	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.	12.7	40
95	Readily Exfoliated TiSe₂ Nanosheets for Highâ€Performance Sodium Storage. Chemistry - A European Journal, 2018, 24, 1193-1197.	3.3	40
96	Sulfur Doping Triggering Enhanced Ptâ€“N Coordination in Graphitic Carbon Nitride-Supported Pt Electrocatalysts toward Efficient Oxygen Reduction Reaction. ACS Catalysis, 2022, 12, 7406-7414.	11.2	40
97	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	39
98	Phosphoreneâ€Based Electrocatalysts. Chemistry - A European Journal, 2020, 26, 6437-6446.	3.3	39
99	Optimization of BaZr0.1Ce0.7Y0.2O3â^Î´-based proton-conducting solid oxide fuel cells with a cobalt-free proton-blocking La0.7Sr0.3FeO3â^Î´â€“Ce0.8Sm0.2O2â^Î´ composite cathode. International Journal of Hydrogen Energy, 2011, 36, 9956-9966.	7.1	38
100	Ironâ€Doped Nickel Molybdate with Enhanced Oxygen Evolution Kinetics. Chemistry - A European Journal, 2019, 25, 280-284.	3.3	38
101	Homogeneous Na Deposition Enabling Highâ€Energy Naâ€Metal Batteries. Advanced Functional Materials, 2022, 32, 2110280.	14.9	38
102	A mixed electronic and protonic conducting hydrogen separation membrane with asymmetric structure. International Journal of Hydrogen Energy, 2012, 37, 12708-12713.	7.1	37
103	Engineering additional edge sites on molybdenum dichalcogenides toward accelerated alkaline hydrogen evolution kinetics. Nanoscale, 2019, 11, 717-724.	5.6	37
104	Fabrication and characterization of anode-supported dense BaZr0.8Y0.2O3â^Î´ electrolyte membranes by a dip-coating process. Materials Letters, 2012, 73, 198-201.	2.6	36
105	A mixed-conducting BaPr0.8In0.2O3â^Î´ cathode for proton-conducting solid oxide fuel cells. Electrochemistry Communications, 2013, 27, 19-21.	4.7	36
106	New Insights into the Effects of Zr Substitution and Carbon Additive on Li_{3â€“x}Er_{1â€“x}Zr_xCl₆ Halide Solid Electrolytes. ACS Applied Materials & Interfaces, 2022, 14, 8095-8105.	8.0	36
107	Inhibitory KIR and specific HLA-C gene combinations confer susceptibility to or protection against chronic hepatitis B. Clinical Immunology, 2010, 137, 139-146.	3.2	35
108	Enhanced Reaction Kinetics and Structure Integrity of Ni/SnO₂ Nanocluster toward High-Performance Lithium Storage. ACS Applied Materials & Interfaces, 2015, 7, 26367-26373.	8.0	35

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109	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.	5.5	35
110	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.	5.5	33
111	Proton-conducting solid oxide fuel cells prepared by a single step co-firing process. Journal of Power Sources, 2009, 191, 428-432.	7.8	33
112	Homogeneous Sulfurâ€“Cobalt Sulfide Nanocomposites as Lithiumâ€“Sulfur Battery Cathodes with Enhanced Reaction Kinetics. ACS Applied Energy Materials, 2018, 1, 167-172.	5.1	32
113	Evaluation of BaZr0.1Ce0.7Y0.2O3â^'Î´-based proton-conducting solid oxide fuel cells fabricated by a one-step co-firing process. Electrochimica Acta, 2011, 56, 1447-1454.	5.2	31
114	Atomic-Level Modulation of the Interface Chemistry of Platinumâ€“Nickel Oxide toward Enhanced Hydrogen Electrocatalysis Kinetics. Nano Letters, 2021, 21, 4845-4852.	9.1	31
115	Platinum/Nickel Bicarbonate Heterostructures towards Accelerated Hydrogen Evolution under Alkaline Conditions. Angewandte Chemie, 2019, 131, 5486-5491.	2.0	30
116	Influence of fabrication process of Niâ€“BaCe0.7Zr0.1Y0.2O3â^'Î´ cermet on the hydrogen permeation performance. Journal of Alloys and Compounds, 2010, 508, L5-L8.	5.5	29
117	Twoâ€Dimensional Cobaltâ€/Nickelâ€Based Oxide Nanosheets for Highâ€Performance Sodium and Lithium Storage. Chemistry - A European Journal, 2016, 22, 18060-18065.	3.3	28
118	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.	8.0	28
119	Intercalation Pseudocapacitance Boosting Ultrafast Sodium Storage in Prussian Blue Analogs. ChemSusChem, 2019, 12, 2415-2420.	6.8	28
120	A Novel Perovskite Electronâ€“Ion Conductive Coating to Simultaneously Enhance Cycling Stability and Rate Capability of Li_{1.2}Ni_{0.13}Co_{0.13}Mn_{0.54}O₂ Cathode Material for Lithiumâ€Ion Batteries. Small, 2021, 17, e2008132.	10.0	28
121	Layer structured materials for ambient nitrogen fixation. Coordination Chemistry Reviews, 2022, 460, 214468.	18.8	28
122	Zeroâ€Strain Structure for Efficient Potassium Storage: Nitrogenâ€Enriched Carbon Dualâ€Confinement CoP Composite. Advanced Energy Materials, 2022, 12, 2103341.	19.5	26
123	Evaluation of hydrogen permeation properties of Niâ€“Ba(Zr0.7Pr0.1Y0.2)O3â^'Î´ cermet membranes. International Journal of Hydrogen Energy, 2014, 39, 11683-11689.	7.1	25
124	Chemically stable BaZr0.7Pr0.1Y0.2O3-Î´-BaCe0.8Y0.2O3-Î´ bilayer electrolyte for intermediate temperature solid oxide fuel cells. Electrochimica Acta, 2015, 151, 497-501.	5.2	25
125	A Novel Tin-Bonded Silicon Anode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 45578-45588.	8.0	25
126	Hybrid Design of Bulkâ€Na Metal Anode to Minimize Cycleâ€Induced Interface Deterioration of Solid Na Metal Battery. Advanced Energy Materials, 2022, 12, .	19.5	25

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127	Supported Subâ€Nanometer Clusters for Electrocatalysis Applications. Advanced Functional Materials, 2022, 32, .	14.9	25
128	A high stability Niâ€“La 0.5 Ce 0.5 O 2â^Î´ asymmetrical metal-ceramic membrane for hydrogen separation and generation. Journal of Power Sources, 2015, 281, 417-424.	7.8	24
129	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.	5.1	24
130	2D Metalâ€Free Nanomaterials Beyond Graphene and Its Analogues toward Electrocatalysis Applications. Advanced Energy Materials, 2021, 11, 2101202.	19.5	24
131	Reversible Magnesium Metal Anode Enabled by Cooperative Solvation/Surface Engineering in Carbonate Electrolytes. Nano-Micro Letters, 2021, 13, 195.	27.0	24
132	A Redox Couple Strategy Enables Longâ€Cycling Liâ€and Mnâ€Rich Layered Oxide Cathodes by Suppressing Oxygen Release. Advanced Materials, 2022, 34, e2108543.	21.0	24
133	Enriched dâ€Band Holes Enabling Fast Oxygen Evolution Kinetics on Atomicâ€Layered Defectâ€Rich Lithium Cobalt Oxide Nanosheets. Advanced Functional Materials, 2022, 32, .	14.9	24
134	Stable BaCe0.5Zr0.3Y0.16Zn0.04O3â^Î´ thin membrane prepared by in situ tape casting for proton-conducting solid oxide fuel cells. Journal of Power Sources, 2009, 188, 343-346.	7.8	23
135	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.	7.8	23
136	Tuning the Thickness of Ba-Containing â€œFunctionalâ€•Layer toward High-Performance Ceria-Based Solid Oxide Fuel Cells. ACS Applied Materials & Interfaces, 2016, 8, 10835-10840.	8.0	23
137	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.	7.8	23
138	Ion Hopping: Design Principles for Strategies to Improve Ionic Conductivity for Inorganic Solid Electrolytes. Small, 2022, 18, e2107064.	10.0	23
139	Cobalt Single Atoms Enabling Efficient Methanol Oxidation Reaction on Platinum Anchored on Nitrogenâ€Doped Carbon. Small, 2022, 18, e2107067.	10.0	23
140	Fabrication and performance of BaCe0.8Y0.2O3â^Î´â€“BaZr0.8Y0.2O3â^Î´ bilayer electrolyte for anode-supported solid oxide fuel cells. Journal of Power Sources, 2014, 249, 131-136.	7.8	22
141	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.	7.8	22
142	A novel cobalt-free CO2-stable perovskite-type oxygen permeable membrane. Journal of Membrane Science, 2019, 573, 504-510.	8.2	22
143	A Unique Structural Highly Compacted Binderâ€Free Siliconâ€Based Anode with High Electronic Conductivity for Highâ€Performance Lithiumâ€Ion Batteries. Small Structures, 2022, 3, 2100174.	12.0	22
144	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.	5.2	21

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145	Considerable Hydrogen Permeation Behavior through a Dense Ce_{0.8}Sm_{0.2}O₂₋_{Î´}(SDC) Asymmetric Thick Film. Journal of the Electrochemical Society, 2013, 160, F585-F590.	2.9	20
146	A new in situ strategy to eliminate partial internal short circuit in Ce_{0.8}Sm_{0.2}O_{1.9}-based solid oxide fuel cells. Journal of Materials Chemistry A, 2017, 5, 12873-12878.	10.3	20
147	Unusual enhancement in electrical conductivity of tin oxide thin films with zinc doping. Physical Chemistry Chemical Physics, 2011, 13, 5760.	2.8	18
148	Enhanced Hydrogen Storage Performance of MgH2 by the Catalysis of a Novel Intersected Y2O3/NiO Hybrid. Processes, 2021, 9, 892.	2.8	18
149	Threeâ€Inâ€One Alkylamineâ€Tuned MoO_x for Labâ€Scale to Realâ€Life Aqueous Supercapacitors. Advanced Functional Materials, 2022, 32, .	14.9	18
150	Understanding the structural and chemical evolution of layered potassium titanates for sodium ion batteries. Energy Storage Materials, 2020, 25, 502-509.	18.0	17
151	Multifunctional Activeâ€Centerâ€Transferable Platinum/Lithium Cobalt Oxide Heterostructured Electrocatalysts towards Superior Water Splitting. Angewandte Chemie, 2020, 132, 14641-14648.	2.0	17
152	Structure Engineering of Vanadium Tetrasulfides for Highâ€Capacity and Highâ€Rate Sodium Storage. Small, 2022, 18, e2107058.	10.0	17
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