Wenping Sun

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/8627518/wenping-sun-publications-by-year.pdf
Version: 2024-04-10

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.

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	Zinc Anode for Mild Aqueous Zinc-Ion Batteries: Challenges, Strategies, and Perspectives.. *Nano-Micro Letters*, **2022**, 14, 42	19.5	17
174	Electrochemical Hydrogen Evolution Reaction **2022**, 87-122		
173	Catalyzed LiBH4 Hydrogen Storage System with In Situ Introduced Li3BO3 and V for Enhanced Dehydrogenation and Hydrogenation Kinetics as Well as High Cycling Stability. *ACS Applied Energy Materials*, **2022**, 5, 1226-1234	6.1	1
172	A Redox Couple Strategy Enables Long-Cycling Li- and Mn-Rich Layered Oxide Cathodes by Suppressing Oxygen Release.. *Advanced Materials*, **2022**, e2108543	24	6
171	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
170	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
169	Structure Engineering of Vanadium Tetrasulfides for High-Capacity and High-Rate Sodium Storage.. *Small*, **2022**, e2107058	11	3
168	A Unique Nanoflake-Shape Bimetallic Ti-Nb Oxide of Superior Catalytic Effect for Hydrogen Storage of MgH.. *Small*, **2022**, e2107013	11	4
167	From Fundamentals and Theories to Heterostructured Electrocatalyst Design: An In-depth Understanding of Alkaline Hydrogen Evolution Reaction. *Nano Energy*, **2022**, 107231	17.1	7
166	Ion Hopping: Design Principles for Strategies to Improve Ionic Conductivity for Inorganic Solid Electrolytes.. *Small*, **2022**, e2107064	11	3
165	Toward enhanced alkaline hydrogen electrocatalysis with transition metal-functionalized nitrogen-doped carbon supports. *Chinese Journal of Catalysis*, **2022**, 43, 1351-1359	11.3	1
164	Layer structured materials for ambient nitrogen fixation. *Coordination Chemistry Reviews*, **2022**, 460, 214468	23.2	1
163	Cobalt Single Atoms Enabling Efficient Methanol Oxidation Reaction on Platinum Anchored on Nitrogen-Doped Carbon.. *Small*, **2022**, e2107067	11	2
162	Synergy of Bi O and RuO Nanocatalysts for Low-Overpotential and Wide pH-Window Electrochemical Ammonia Synthesis. *Chemistry - A European Journal*, **2021**, 27, 17395-17401	4.8	1
161	Non-Platinum Group Metal Electrocatalysts toward Efficient Hydrogen Oxidation Reaction. *Advanced Functional Materials*, **2021**, 31, 2010633	15.6	19
160	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
159	The synthesis of black phosphorus: from zero- to three-dimensional nanostructures. *JPhys Energy*, **2021**, 3, 032007	4.9	2

158	Nickel single atom-decorated carbon nanosheets as multifunctional electrocatalyst supports toward efficient alkaline hydrogen evolution. *Nano Energy*, **2021**, 83, 105850	17.1	17
157	Enhanced Hydrogen Storage Performance of MgH2 by the Catalysis of a Novel Intersected Y2O3/NiO Hybrid. *Processes*, **2021**, 9, 892	2.9	10
156	2D Metal-Free Nanomaterials Beyond Graphene and Its Analogues toward Electrocatalysis Applications. *Advanced Energy Materials*, **2021**, 11, 2101202	21.8	8
155	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
154	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
153	Conversion-Alloying Anode Materials for Sodium Ion Batteries. *Small*, **2021**, 17, e2101137	11	27
152	Interface engineering of heterostructured electrocatalysts towards efficient alkaline hydrogen electrocatalysis. *Science Bulletin*, **2021**, 66, 85-96	10.6	40
151	Recent progress on hybrid electrocatalysts for efficient electrochemical CO2 reduction. *Nano Energy*, **2021**, 80, 105504	17.1	34
150	Interface Engineering of Air Electrocatalysts for Rechargeable Zinc–Air Batteries. *Advanced Energy Materials*, **2021**, 11, 2002762	21.8	47
149	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
148	Single-Atom Electrocatalysts for Multi-Electron Reduction of CO. *Small*, **2021**, 17, e2101443	11	16
147	Reversible Magnesium Metal Anode Enabled by Cooperative Solvation/Surface Engineering in Carbonate Electrolytes. *Nano-Micro Letters*, **2021**, 13, 195	19.5	7
146	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
145	A Novel Tin-Bonded Silicon Anode for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 45578-45588	9.5	8
144	Non-carbon-supported single-atom site catalysts for electrocatalysis. *Energy and Environmental Science*, **2021**, 14, 2809-2858	35.4	66
143	Smart Solar-Metal-Air Batteries Based on BiOCl Photocorrosion for Monolithic Solar Energy Conversion and Storage. *Small*, **2021**, e2105668	11	1
142	Electrocatalytic Water Splitting: From Harsh and Mild Conditions to Natural Seawater. *Small*, **2021**, e2105830	13	9
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	Multifunctional Active-Center-Transferable Platinum/Lithium Cobalt Oxide Heterostructured Electrocatalysts towards Superior Water Splitting. *Angewandte Chemie*, **2020**, 132, 14641-14648	3.6	11
139	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
138	Strategies of engineering 2D nanomaterial-based electrocatalysts toward hydrogen evolution reaction. *Materials for Renewable and Sustainable Energy*, **2020**, 9, 1	4.7	10
137	Boosting electrochemical water oxidation: the merits of heterostructured electrocatalysts. *Journal of Materials Chemistry A*, **2020**, 8, 6393-6405	13	29
136	Phosphorene-Based Electrocatalysts. *Chemistry - A European Journal*, **2020**, 26, 6437-6446	4.8	21
135	2020 Roadmap on Carbon Materials for Energy Storage and Conversion. *Chemistry - an Asian Journal*, **2020**, 15, 995-1013	4.5	99
134	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
133	Understanding the structural and chemical evolution of layered potassium titanates for sodium ion batteries. *Energy Storage Materials*, **2020**, 25, 502-509	19.4	9
132	Engineering additional edge sites on molybdenum dichalcogenides toward accelerated alkaline hydrogen evolution kinetics. *Nanoscale*, **2019**, 11, 717-724	7.7	22
131	Electronic Structure Engineering of LiCoO2 toward Enhanced Oxygen Electrocatalysis. *Advanced Energy Materials*, **2019**, 9, 1803482	21.8	63
130	Intercalation Pseudocapacitance Boosting Ultrafast Sodium Storage in Prussian Blue Analogs. *ChemSusChem*, **2019**, 12, 2415-2420	8.3	10
129	Platinum/Nickel Bicarbonate Heterostructures towards Accelerated Hydrogen Evolution under Alkaline Conditions. *Angewandte Chemie*, **2019**, 131, 5486-5491	3.6	18
128	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
127	Electrocatalytically inactive SnS2 promotes water adsorption/dissociation on molybdenum dichalcogenides for accelerated alkaline hydrogen evolution. *Nano Energy*, **2019**, 64, 103918	17.1	37
126	Low-Coordinate Iridium Oxide Confined on Graphitic Carbon Nitride for Highly Efficient Oxygen Evolution. *Angewandte Chemie*, **2019**, 131, 12670-12674	3.6	11
125	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
124	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
123	Platinum/Nickel Bicarbonate Heterostructures towards Accelerated Hydrogen Evolution under Alkaline Conditions. *Angewandte Chemie - International Edition*, **2019**, 58, 5432-5437	16.4	140

122	2020 Roadmap on gas-involved photo- and electro- catalysis. *Chinese Chemical Letters*, **2019**, 30, 2089-2109	8.2	59
121	Electrochemical potassium/lithium-ion intercalation into TiSe2: Kinetics and mechanism. *Energy Storage Materials*, **2019**, 16, 512-518	19.4	61
120	Iron-Doped Nickel Molybdate with Enhanced Oxygen Evolution Kinetics. *Chemistry - A European Journal*, **2019**, 25, 280-284	4.8	18
119	Heteroatom-doped MoSe Nanosheets with Enhanced Hydrogen Evolution Kinetics for Alkaline Water Splitting. *Chemistry - an Asian Journal*, **2019**, 14, 301-306	4.5	30
118	A novel cobalt-free CO2-stable perovskite-type oxygen permeable membrane. *Journal of Membrane Science*, **2019**, 573, 504-510	9.6	17
117	Hetero-interface constructs ion reservoir to enhance conversion reaction kinetics for sodium/lithium storage. *Energy Storage Materials*, **2019**, 18, 107-113	19.4	70
116	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
115	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
114	Active-Site-Enriched Iron-Doped Nickel/Cobalt Hydroxide Nanosheets for Enhanced Oxygen Evolution Reaction. *ACS Catalysis*, **2018**, 8, 5382-5390	13.1	198
113	Hybrid 2D Dual-Metal□Organic Frameworks for Enhanced Water Oxidation Catalysis. *Advanced Functional Materials*, **2018**, 28, 1801554	15.6	367
112	Recent progress on silicon-based anode materials for practical lithium-ion battery applications. *Energy Storage Materials*, **2018**, 15, 422-446	19.4	192
111	Heterostructures for Electrochemical Hydrogen Evolution Reaction: A Review. *Advanced Functional Materials*, **2018**, 28, 1803291	15.6	514
110	Carbon Necklace Incorporated Electroactive Reservoir Constructing Flexible Papers for Advanced Lithium-Ion Batteries. *Small*, **2018**, 14, 1702770	11	56
109	Electrochemically Inert g-C3N4 Promotes Water Oxidation Catalysis. *Advanced Functional Materials*, **2018**, 28, 1705583	15.6	60
108	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
107	Readily Exfoliated TiSe Nanosheets for High-Performance Sodium Storage. *Chemistry - A European Journal*, **2018**, 24, 1193-1197	4.8	24
106	sp-Hybridized Nitrogen Enhances Oxygen Reduction Reaction Kinetics. *CheM*, **2018**, 4, 2024-2026	16.2	3
105	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

104	Epitaxial growth of Ni(OH) nanoclusters on MoS nanosheets for enhanced alkaline hydrogen evolution reaction. *Nanoscale*, **2018**, 10, 19074-19081	7.7	48
103	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
102	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
101	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
100	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
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	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
97	2D Black Phosphorus for Energy Storage and Thermoelectric Applications. *Small*, **2017**, 13, 1700661	11	113
96	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
95	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
94	Functionalized few-layer black phosphorus with super-wettability towards enhanced reaction kinetics for rechargeable batteries. *Nano Energy*, **2017**, 40, 576-586	17.1	75
93	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
92	Nanostructured Metal Chalcogenides for Energy Storage and Electrocatalysis. *Advanced Functional Materials*, **2017**, 27, 1702317	15.6	234
91	Alloy-Based Anode Materials toward Advanced Sodium-Ion Batteries. *Advanced Materials*, **2017**, 29, 1700622	24	461
90	Ever-Increasing Pseudocapacitance in RGO–MnO2–RGO Sandwich Nanostructures for Ultrahigh-Rate Lithium Storage. *Advanced Functional Materials*, **2016**, 26, 2198-2206	15.6	204
89	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
88	2D Transition Metal Oxides/Hydroxides for Energy-Storage Applications. *ChemNanoMat*, **2016**, 2, 562-577	3.5	79
87	Biochemistry-derived porous carbon-encapsulated metal oxide nanocrystals for enhanced sodium storage. *Nano Energy*, **2016**, 21, 71-79	17.1	41

86	Bismuth sulfide: A high-capacity anode for sodium-ion batteries. *Journal of Power Sources*, **2016**, 309, 135-140	8.9	97
85	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
84	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
83	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
82	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
81	Engineering Hierarchical Hollow Nickel Sulfide Spheres for High-Performance Sodium Storage. *Advanced Functional Materials*, **2016**, 26, 7479-7485	15.6	142
80	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
79	Vanadium-based nanostructure materials for secondary lithium battery applications. *Nanoscale*, **2015**, 7, 14595-607	7.7	82
78	Few-layered Ni(OH)2 nanosheets for high-performance supercapacitors. *Journal of Power Sources*, **2015**, 295, 323-328	8.9	146
77	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
76	Biochemistry-Enabled 3D Foams for Ultrafast Battery Cathodes. *ACS Nano*, **2015**, 9, 4628-35	16.7	98
75	One-Pot Synthesis of Tunable Crystalline Ni3 S4 @Amorphous MoS2 Core/Shell Nanospheres for High-Performance Supercapacitors. *Small*, **2015**, 11, 3694-702	11	218
74	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
73	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
72	An Advanced Sodium-Ion Battery Composed of Carbon Coated $Na_3V_2(PO_4)_3$ in a Porous Graphene Network. *Advanced Materials*, **2015**, 27, 6670-6	24	363
71	Two-Dimensional Tin Disulfide Nanosheets for Enhanced Sodium Storage. *ACS Nano*, **2015**, 9, 11371-81	16.7	231
70	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
69	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

68	Chemically stable BaZr0.7Pr0.1Y0.2O3-δ/BaCe0.8Y0.2O3-δ bilayer electrolyte for intermediate temperature solid oxide fuel cells. *Electrochimica Acta*, **2015**, 151, 497-501	6.7	18
67	Ultrathin nickel oxide nanosheets for enhanced sodium and lithium storage. *Journal of Power Sources*, **2015**, 274, 755-761	8.9	104
66	Energy Storage: One-Pot Synthesis of Tunable Crystalline Ni3S4@Amorphous MoS2 Core/Shell Nanospheres for High-Performance Supercapacitors (Small 30/2015). *Small*, **2015**, 11, 3720-3720	11	3
65	Multifunctional Architectures Constructing of PANI Nanoneedle Arrays on MoS2 Thin Nanosheets for High-Energy Supercapacitors. *Small*, **2015**, 11, 4123-9	11	141
64	Two-dimensional NiCo2O4 nanosheet-coated three-dimensional graphene networks for high-rate, long-cycle-life supercapacitors. *Nanoscale*, **2015**, 7, 7035-9	7.7	126
63	A high stability Ni–Ba 0.5 Ce 0.5 O 2−δ asymmetrical metal-ceramic membrane for hydrogen separation and generation. *Journal of Power Sources*, **2015**, 281, 417-424	8.9	19
62	Evaluation of Aging and Health Status in Real Time Based on Routine Urinalysis Using an Automated Urine Analyzer. *Clinical Laboratory*, **2015**, 61, 1883-7	2	3
61	Samarium and yttrium codoped BaCeO3 proton conductor with improved sinterability and higher electrical conductivity. *ACS Applied Materials & Interfaces*, **2014**, 6, 5175-82	9.5	52
60	Fabrication and performance of BaCe0.8Y0.2O3–BaZr0.8Y0.2O3–δ bilayer electrolyte for anode-supported solid oxide fuel cells. *Journal of Power Sources*, **2014**, 249, 131-136	8.9	18
59	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
58	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
57	Co-Generation of Electric Power and Carbon Nanotubes from Dimethyl Ether (DME). *Fuel Cells*, **2014**, 14, 561-565	2.9	0
56	Cobalt sulfide nanosheet/graphene/carbon nanotube nanocomposites as flexible electrodes for hydrogen evolution. *Angewandte Chemie - International Edition*, **2014**, 53, 12594-9	16.4	131
55	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
54	Cobalt Sulfide Nanosheet/Graphene/Carbon Nanotube Nanocomposites as Flexible Electrodes for Hydrogen Evolution. *Angewandte Chemie*, **2014**, 126, 12802-12807	3.6	149
53	Transition metal oxides for high performance sodium ion battery anodes. *Nano Energy*, **2014**, 5, 60-66	17.1	304
52	Evaluation of hydrogen permeation properties of Ni–Ba(Zr0.7Pr0.1Y0.2)O3−δ cermet membranes. *International Journal of Hydrogen Energy*, **2014**, 39, 11683-11689	6.7	23
51	In-situ formed Ce0.8Sm0.2O2@Ba(Ce, Zr)1−x(Sm, Y)xO3−δ core/shell electron-blocking layer towards Ce0.8Sm0.2O2−δ based solid oxide fuel cells with high open circuit voltages. *Nano Energy*, **2014**, 8, 305-311	17.1	52

50	Synthesis and characterization of BaZr0.3Ce0.5Y0.2−xYbxO3−δ proton conductor for solid oxide fuel cells. *Journal of Power Sources*, **2014**, 245, 953-957	8.9	58
49	High-performance Ni-BaZr0.1Ce0.7Y0.1Yb0.1O3−δ (BZCYYb) membranes for hydrogen separation. *International Journal of Hydrogen Energy*, **2013**, 38, 14743-14749	6.7	39
48	A mixed-conducting BaPr0.8In0.2O3−δ cathode for proton-conducting solid oxide fuel cells. *Electrochemistry Communications*, **2013**, 27, 19-21	5.1	31
47	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
46	Chemically stable and easily sintered high-temperature proton conductor BaZr0.8In0.2O3−δ for solid oxide fuel cells. *Journal of Power Sources*, **2013**, 229, 95-101	8.9	46
45	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
44	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
43	Hydrogen oxidation at the Pt-BaZr0.1Ce0.7Y0.1Yb0.1O3-δ (BZCYYb) interface. *Physical Chemistry Chemical Physics*, **2013**, 15, 3820-6	3.6	5
42	Considerable Hydrogen Permeation Behavior through a Dense Ce0.8Sm0.2O2-δ (SDC) Asymmetric Thick Film. *Journal of the Electrochemical Society*, **2013**, 160, F585-F590	3.9	15
41	Fabrication and Electrochemical Characterization of Anode-Supported Microtubular Solid Oxide Fuel Cells Based on Ce0.8Sm0.2O2-δ Electrolytes. *International Journal of Applied Ceramic Technology*, **2012**, 9, 1064-1070	2	2
40	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
39	A novel ceria-based solid oxide fuel cell free from internal short circuit. *Journal of Power Sources*, **2012**, 217, 114-119	8.9	36
38	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
37	A mixed electronic and protonic conducting hydrogen separation membrane with asymmetric structure. *International Journal of Hydrogen Energy*, **2012**, 37, 12708-12713	6.7	28
36	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
35	Investigation on Proton Conductivity of La2Ce2O7 in Wet Atmosphere: Dependence on Water Vapor Partial Pressure. *Fuel Cells*, **2012**, 12, 457-463	2.9	36
34	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
33	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

32	Unusual enhancement in electrical conductivity of tin oxide thin films with zinc doping. *Physical Chemistry Chemical Physics*, **2011**, 13, 5760-3	3.6	13
31	Evaluation of BaZr0.1Ce0.7Y0.2O3□based proton-conducting solid oxide fuel cells fabricated by a one-step co-firing process. *Electrochimica Acta*, **2011**, 56, 1447-1454	6.7	29
30	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
29	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
28	Proton-Blocking Composite Cathode for Proton-Conducting Solid Oxide Fuel Cell. *Journal of the Electrochemical Society*, **2011**, 158, B1432	3.9	35
27	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
26	Influence of fabrication process of Ni□BaCe0.7Zr0.1Y0.2O3□cermet on the hydrogen permeation performance. *Journal of Alloys and Compounds*, **2010**, 508, L5-L8	5.7	26
25	CO2-Resistant Hydrogen Permeation Membranes Based on Doped Ceria and Nickel. *Journal of Physical Chemistry C*, **2010**, 114, 10986-10991	3.8	49
24	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
23	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
22	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
21	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
20	Effect of Sm-doping on the hydrogen permeation of Ni□La2Ce2O7 mixed protonic□electronic conductor. *International Journal of Hydrogen Energy*, **2010**, 35, 4508-4511	6.7	44
19	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
18	Fabrication and characterization of easily sintered and stable anode-supported proton-conducting membranes. *Journal of Membrane Science*, **2009**, 336, 1-6	9.6	50
17	Stable BaCe0.5Zr0.3Y0.16Zn0.04O3□thin membrane prepared by in situ tape casting for proton-conducting solid oxide fuel cells. *Journal of Power Sources*, **2009**, 188, 343-346	8.9	19
16	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
15	A novel single phase cathode material for a proton-conducting SOFC. *Electrochemistry Communications*, **2009**, 11, 688-690	5.1	88

14	Synthesis of SmBaCo2O6□powder by the combustion process using Co3O4 as precursor. *Journal of Alloys and Compounds*, **2009**, 481, L40-L42	5.7	4
13	Crystal structure, electrical conductivity and sintering of Ba0.5Sr0.5ZnxFe1□O3□*Journal of Alloys and Compounds*, **2009**, 485, 872-875	5.7	8
12	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
11	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
10	Engineering of Crosslinked Network and Functional Interlayer to Boost Cathode Performance of Tannin for Potassium Metal Batteries. *Advanced Functional Materials*,2200178	15.6	0
9	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
8	Structural Engineering in Graphite-Based Metal-Ion Batteries. *Advanced Functional Materials*,2107277	15.6	8
7	Homogeneous Na Deposition Enabling High-Energy Na-Metal Batteries. *Advanced Functional Materials*,2110280	15.6	6
6	Zero-Strain Structure for Efficient Potassium Storage Nitrogen-Enriched Carbon Dual-Confinement CoP Composite. *Advanced Energy Materials*,2103341	21.8	5
5	On the Durability of Iridium-Based Electrocatalysts toward the Oxygen Evolution Reaction under Acid Environment. *Advanced Functional Materials*,2108465	15.6	8
4	Three-In-One Alkylamine-Tuned MoO x for Lab-Scale to Real-Life Aqueous Supercapacitors. *Advanced Functional Materials*,2113209	15.6	0
3	Enriched d -Band Holes Enabling Fast Oxygen Evolution Kinetics on Atomic-Layered Defect-Rich Lithium Cobalt Oxide Nanosheets. *Advanced Functional Materials*,2200663	15.6	3
2	Supported Sub-Nanometer Clusters for Electrocatalysis Applications. *Advanced Functional Materials*,2202227	15.6	5
1	Energetic Aqueous Batteries. *Advanced Energy Materials*,2201074	21.8	6