Haolin Tang

List of Publications by Year in Descending Order

167 papers	7,228 citations	42 h-index	82 g-index
179 ext. papers	8,476 ext. citations	7.6 avg, IF	6.11 L-index

#	Paper	IF	Citations
167	In-situ polymerized composite polymer electrolyte with cesium-ion additive enables dual-interfacial compatibility in all-solid-state lithium-metal batteries.. *Journal of Colloid and Interface Science*, **2022**, 615, 627-635	9.3	1
166	Gradient Co/Zn bimetallic coordinated polymer-derived hierarchically porous carbon for boosted oxygen electrocatalysts of rechargeable Zn-air batteries. *Materials Today Energy*, **2022**, 24, 100935	7	0
165	Duetting electronic structure modulation of Ru atoms in RuSe2@NC enables more moderate H* adsorption and water dissociation for hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2022**, 10, 7637-7644	13	1
164	Boosting Oxygen Reduction Catalysis with Hierarchically Porous Fe-Doped Carbon by Chemical Vapor Deposition in Zn–Air Batteries. *Energy & Fuels*, **2022**, 36, 4006-4014	4.1	0
163	Self-Assembly-Cooperating in Situ Construction of MXene□CeO2 as Hybrid Membrane Coating for Durable and High-Performance Proton Exchange Membrane Fuel Cell. *ACS Sustainable Chemistry and Engineering*, **2022**, 10, 4269-4278	8.3	3
162	Hydrophilic Channel Volume Behavior on Proton Transport Performance of Proton Exchange Membrane in Fuel Cells. *ACS Applied Polymer Materials*, **2022**, 4, 2423-2431	4.3	0
161	The design of single iron atoms dispersed with nitrogen coordination environment electrocatalyst for zinc -air battery. *Journal of Power Sources*, **2022**, 529, 231174	8.9	2
160	Host-guest interactions promoted formation of Fe-N active site toward efficient oxygen reduction reaction catalysis.. *Journal of Colloid and Interface Science*, **2022**, 621, 195-204	9.3	1
159	Incorporation of Poly(Ionic Liquid) with PVDF-HFP-Based Polymer Electrolyte for All-Solid-State Lithium-Ion Batteries. *Polymers*, **2022**, 14, 1950	4.5	0
158	Rational design of hierarchically porous Fe-N-doped carbon as efficient electrocatalyst for oxygen reduction reaction and Zn-air batteries. *Nano Research*, **2021**, 14, 4768	10	5
157	Al-substituted stable-layered P2-Na0.6Li0.15Al0.15Mn0.7O2 cathode for sodium ion batteries. *International Journal of Energy Research*, **2021**, 45, 11338-11345	4.5	2
156	Solid-state fabrication of CNT-threaded Fe1-xS@N-doped carbon composite as high-rate anodes for sodium-ion batteries and hybrid capacitors. *Journal of Alloys and Compounds*, **2021**, 869, 159303	5.7	1
155	Excellent Performances of Composite Polymer Electrolytes with Porous Vinyl-Functionalized SiO Nanoparticles for Lithium Metal Batteries. *Polymers*, **2021**, 13,	4.5	3
154	Activating the hydrogen evolution activity of Pt electrode via synergistic interaction with NiS. *Journal of Colloid and Interface Science*, **2021**, 582, 591-597	9.3	10
153	Cellulose-based material in lithium-sulfur batteries: A review. *Carbohydrate Polymers*, **2021**, 255, 117469	10.3	16
152	Co-N-doped hierarchically ordered macro/mesoporous carbon as bifunctional electrocatalyst toward oxygen reduction/evolution reactions. *International Journal of Energy Research*, **2021**, 45, 6250-6261	4.5	8
151	A P2/P3 composite-layered cathode material with low-voltage decay for sodium-ion batteries. *Journal of Applied Electrochemistry*, **2021**, 51, 619-627	2.6	2

150	A novel three-component reaction for constructing indolizine-containing aliphatic sulfonyl fluorides. *Organic Chemistry Frontiers*, **2021**, 8, 1185-1189	5.2	6
149	Recent advances of hierarchically porous bifunctional oxygen electrocatalysts derived from metal–organic frameworks for Zn–air batteries. *Materials Chemistry Frontiers*, **2021**, 5, 2649-2667	7.8	7
148	A general approach to nitrile- and sulfonyl fluoride-substituted cyclopropanes. *Organic and Biomolecular Chemistry*, **2021**, 19, 6021-6024	3.9	0
147	Tuning the Intrinsic Activity and Electrochemical Surface Area of MoS via Tiny Zn Doping: Toward an Efficient Hydrogen Evolution Reaction (HER) Catalyst. *Chemistry - A European Journal*, **2021**, 27, 15992-15999	4.8	6
146	Copper-Promoted Conjugate Addition of Carboxylic Acids to Ethenesulfonyl Fluoride (ESF) for Constructing Aliphatic Sulfonyl Fluorides. *ACS Omega*, **2021**, 6, 25972-25981	3.9	0
145	Three dimension Ni/Co-decorated N-doped hierarchically porous carbon derived from metal-organic frameworks as trifunctional catalysts for Zn-air battery and microbial fuel cells. *Electrochimica Acta*, **2021**, 395, 139074	6.7	1
144	The impacts of nitrogen doping on the electrochemical hydrogen storage in a carbon. *International Journal of Energy Research*, **2021**, 45, 9326-9339	4.5	2
143	Rational design of perfluorinated sulfonic acid ionic sieve modified separator for high-performance Li-S battery. *Journal of Solid State Electrochemistry*, **2020**, 24, 771-779	2.6	2
142	Evaporation-induced formation of hollow bismuth@N-doped carbon nanorods for enhanced electrochemical potassium storage. *Applied Surface Science*, **2020**, 514, 145947	6.7	26
141	Enhancement of the electrochemical performance of lithium-ion batteries by SiO@poly(2-acrylamido-2-methylpropanesulfonic acid) nanosphere addition into a polypropylene membrane.. *RSC Advances*, **2020**, 10, 5077-5087	3.7	3
140	Organic-Inorganic Composite Porous Membrane for Stable and High-Performance Lithium-Ion Battery. *ChemistrySelect*, **2020**, 5, 1308-1314	1.8	1
139	Integrated 3D electrodes based on metal-nitrogen-doped graphitic ordered mesoporous carbon and carbon paper for high-loading lithium-sulfur batteries. *Nano Energy*, **2020**, 73, 104763	17.1	27
138	A synergistic modification of polypropylene separator toward stable lithium–sulfur battery. *Journal of Membrane Science*, **2020**, 597, 117646	9.6	25
137	Hierarchical Nanostructured Electrocatalysts for Oxygen Reduction Reaction. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 1085-1097	1.3	5
136	Air-stable red phosphorus anode for potassium/sodium-ion batteries enabled through dual-protection design. *Nano Energy*, **2020**, 69, 104451	17.1	42
135	Co/N Co-doped Micro-/Mesoporous Carbon Nanospheres as Efficient Oxygen Reduction and Oxygen Evolution Reactions Electrocatalysts. *ChemistrySelect*, **2020**, 5, 12131-12139	1.8	1
134	3D Coral-like LLZO/PVDF Composite Electrolytes with Enhanced Ionic Conductivity and Mechanical Flexibility for Solid-State Lithium Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 52652-52659	9.5	28
133	Multifunctional Polypropylene Separator via Cooperative Modification and Its Application in the Lithium-Sulfur Battery. *Langmuir*, **2020**, 36, 11147-11153	4	11

132	Elucidating the Redox Behavior in Different P-type Layered Oxides for Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 43665-43673	9.5	7
131	Water-Dispersed Poly(p-Phenylene Terephthamide) Boosting Nano-AlO-Coated Polyethylene Separator with Enhanced Thermal Stability and Ion Diffusion for Lithium-Ion Batteries. *Polymers*, **2019**, 11,	4.5	3
130	Synthesis of MOF-74-derived carbon/ZnCo2O4 nanoparticles@CNT-nest hybrid material and its application in lithium ion batteries. *Journal of Applied Electrochemistry*, **2019**, 49, 1103-1112	2.6	8
129	Improving Oxygen Reduction Performance by Using Protic Poly(Ionic Liquid) as Proton Conductors. *ACS Applied Materials & Interfaces*, **2019**, 11, 6111-6117	9.5	18
128	An efficient bifunctional electrocatalyst derived from layer-by-layer self-assembly of a three-dimensional porous Co-N-C@graphene. *Science Bulletin*, **2019**, 64, 968-975	10.6	20
127	Polyacrylamide Microspheres-Derived FeC@N-doped Carbon Nanospheres as Efficient Catalyst for Oxygen Reduction Reaction. *Polymers*, **2019**, 11,	4.5	5
126	A hybrid supercapacitor constructed by graphene wrapped ordered meso-porous Si based electrode. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 576, 15-21	5.1	3
125	A general method to fabricate MoO/C composites and porous C for asymmetric solid-state supercapacitors.. *RSC Advances*, **2019**, 9, 13207-13213	3.7	5
124	Seaweed-Liked WS/rGO Enabling Ultralong Cycling Life and Enhanced Rate Capability for Lithium-Ion Batteries. *Nanomaterials*, **2019**, 9,	5.4	9
123	A general route via formamide condensation to prepare atomically dispersed metal–nitrogen–carbon electrocatalysts for energy technologies. *Energy and Environmental Science*, **2019**, 12, 1317-1325	35.4	181
122	In-Situ Synthesized Si@C Materials for the Lithium Ion Battery: A Mini Review. *Nanomaterials*, **2019**, 9,	5.4	13
121	Synthesis and Characterization of 3-DOM IrO Electrocatalysts Templated by PMMA for Oxygen Evolution Reaction. *Polymers*, **2019**, 11,	4.5	3
120	POSS-Derived Synthesis and Full Life Structural Analysis of Si@C as Anode Material in Lithium Ion Battery. *Polymers*, **2019**, 11,	4.5	6
119	A single-step fabrication of CoTe2 nanofilm electrode toward efficient overall water splitting. *Electrochimica Acta*, **2019**, 307, 451-458	6.7	26
118	Ionic Liquid Modified Inorganic Nanoparticles for Gaseous Phenol Adsorption. *Journal Wuhan University of Technology, Materials Science Edition*, **2019**, 34, 787-790	1	4
117	Hydrogen ion supercapacitor cell construction and rational design of cell structure. *International Journal of Energy Research*, **2019**, 43, 8439	4.5	1
116	Ionic Liquids-Functionalized Zeolitic Imidazolate Framework for Carbon Dioxide Adsorption. *Materials*, **2019**, 12,	3.5	8
115	Improving catalytic activity of metal telluride by hybridization: An efficient Ni3Te2-CoTe composite electrocatalyst for oxygen evolution reaction. *Applied Surface Science*, **2019**, 490, 516-521	6.7	16

114	High-Capacity P2-Type NaxLi0.25Mn0.75O2 Cathode Enabled by Anionic Oxygen Redox. *Journal of the Electrochemical Society*, **2019**, 166, A4136-A4140	3.9	9
113	Electrochemical hydrogen storage in iron nitrogen dual-doped ordered mesoporous carbon. *International Journal of Hydrogen Energy*, **2019**, 44, 7326-7336	6.7	8
112	Preparation and characterization of a novel positively charged composite hollow fiber nanofiltration membrane based on chitosan lactate.. *RSC Advances*, **2019**, 9, 4361-4369	3.7	19
111	Formation of thin layer graphite wrapped meso-porous SiOx and its lithium storage application. *Ceramics International*, **2019**, 45, 24707-24716	5.1	4
110	Lithium ion supercapacitor composed by Si-based anode and hierarchal porous carbon cathode with super long cycle life. *Applied Surface Science*, **2019**, 463, 879-888	6.7	15
109	Bimetallic□organic framework-derived hierarchically porous Co-Zn-N-C as efficient catalyst for acidic oxygen reduction reaction. *Applied Catalysis B: Environmental*, **2019**, 244, 120-127	21.8	108
108	[email□protected] Derived Co□N□ Nanowire Network as an Advanced Reversible Oxygen Electrocatalyst for Rechargeable Zinc□Air Batteries. *ACS Applied Energy Materials*, **2018**, 1, 1060-1068	6.1	31
107	Fe and N co-doped carbon with three-dimensional ordered macropores and ordered mesopores as an efficient tri-iodide reduction catalyst for dye sensitized solar cell. *Journal of Alloys and Compounds*, **2018**, 742, 641-647	5.7	8
106	SnO2 Functionalized Polyethylene Separator with Enhanced Thermal Stability for High Performance Lithium Ion Battery. *ChemistrySelect*, **2018**, 3, 911-916	1.8	28
105	Three-Dimensional Macroporous Co-Embedded N-Doped Carbon Interweaving with Carbon Nanotubes as Excellent Bifunctional Catalysts for Zn-Air Batteries. *Langmuir*, **2018**, 34, 1992-1998	4	14
104	Water-Stable Nanoporous Polymer Films with Excellent Proton Conductivity. *Macromolecular Rapid Communications*, **2018**, 39, 1700676	4.8	9
103	Improving the Electrochemical Performance of Polypropylene Separator through Instantaneous Photo-Induced Functionalization. *Journal of the Electrochemical Society*, **2018**, 165, A1909-A1914	3.9	9
102	Effect of Elevated Temperature Annealing on Nafion/SiO□ Composite Membranes for the All-Vanadium Redox Flow Battery. *Polymers*, **2018**, 10,	4.5	10
101	Confining nano-sized platinum in nitrogen doped ordered mesoporous carbon: An effective approach toward efficient and robust hydrogen evolution electrocatalyst. *Journal of Colloid and Interface Science*, **2018**, 530, 595-602	9.3	19
100	Electrochemical reconstruction induced high electrochemical performance of Co3O4/reduced graphene oxide for lithium ion batteries. *Journal of Alloys and Compounds*, **2018**, 764, 80-87	5.7	20
99	Interfacing soluble polysulfides with a SnO2 functionalized separator: An efficient approach for improving performance of Li-S battery. *Journal of Membrane Science*, **2018**, 563, 380-387	9.6	45
98	Ordered Iron- and Nitrogen-Doped Carbon Framework as a Carbon Monoxide-Tolerant Alkaline Anion-Exchange Membrane Fuel Cell Catalyst. *Energy Technology*, **2018**, 6, 1003-1010	3.5	3
97	From 3D ZIF Nanocrystals to Co□Nx/C Nanorod Array Electrocatalysts for ORR, OER, and Zn□Air Batteries. *Advanced Functional Materials*, **2018**, 28, 1704638	15.6	541

96	Enhanced oxygen reduction with single-atomic-site iron catalysts for a zinc-air battery and hydrogen-air fuel cell. *Nature Communications*, **2018**, 9, 5422	17.4	431
95	Electrochemical hydrogen storage in a nitrogen-doped uniformed microporous carbon. *International Journal of Hydrogen Energy*, **2018**, 43, 14096-14102	6.7	9
94	Self-assembly synthesis of a unique stable cocoon-like hematite @C nanoparticle and its application in lithium ion batteries. *Journal of Colloid and Interface Science*, **2017**, 495, 157-167	9.3	19
93	Fabrication of nitrogen doped carbon encapsulated ZnO particle and its application in a lithium ion conversion supercapacitor. *Journal of Materials Research*, **2017**, 32, 334-342	2.5	9
92	Fe and N Co-doped Carbons Derived from an Ionic Liquid as Active Bifunctional Oxygen Catalysts. *ChemElectroChem*, **2017**, 4, 1148-1153	4.3	13
91	Amine-functionalized poly(ionic liquid) brushes for carbon dioxide adsorption. *Chemical Engineering Journal*, **2017**, 316, 903-910	14.7	41
90	Synthesis of MnO nano-particle@Flourine doped carbon and its application in hybrid supercapacitor. *Applied Surface Science*, **2017**, 413, 344-350	6.7	26
89	Controlled carbon coating of Fe2O3 nanotube with tannic acid: A bio-inspired approach toward high performance lithium-ion battery anode. *Journal of Alloys and Compounds*, **2017**, 719, 347-352	5.7	20
88	Co3O4-graphene nanoflowers as anode for advanced lithium ion batteries with enhanced rate capability. *Journal of Alloys and Compounds*, **2017**, 710, 114-120	5.7	28
87	Protic ionic liquid modified electrocatalyst enables robust anode under cell reversal condition. *Journal of Power Sources*, **2017**, 351, 138-144	8.9	21
86	Synthesis of LiNi1/3Mn1/3Co1/3O2@graphene for lithium-ion batteries via self-assembled polyelectrolyte layers. *Ceramics International*, **2017**, 43, 7668-7673	5.1	12
85	Engineered Graphene Materials: Synthesis and Applications for Polymer Electrolyte Membrane Fuel Cells. *Advanced Materials*, **2017**, 29, 1601741	24	118
84	A novel high-performance electrode architecture for supercapacitors: Fe2O3 nanocube and carbon nanotube functionalized carbon. *Journal of Materials Chemistry A*, **2017**, 5, 22648-22653	13	7
83	A sustainable route from fly ash to silicon nanorods for high performance lithium ion batteries. *Chemical Engineering Journal*, **2017**, 330, 1052-1059	14.7	36
82	Facile synthesis of Fe2O3@graphite nanoparticle composite as the anode for Lithium ion batteries with high cyclic stability. *Electrochimica Acta*, **2017**, 253, 104-113	6.7	42
81	Design of N-Coordinated Dual-Metal Sites: A Stable and Active Pt-Free Catalyst for Acidic Oxygen Reduction Reaction. *Journal of the American Chemical Society*, **2017**, 139, 17281-17284	16.4	815
80	Electrochemical Hydrogen Storage in Facile Synthesized Co@N-Doped Carbon Nanoparticle Composites. *ACS Applied Materials & Interfaces*, **2017**, 9, 41332-41338	9.5	13
79	A universal strategy for metal oxide anchored and binder-free carbon matrix electrode: A supercapacitor case with superior rate performance and high mass loading. *Nano Energy*, **2017**, 31, 311-321	17.1	145

78	Nanostructured composites of one-dimensional TiO2 and reduced graphene oxide for efficient dye-sensitized solar cells. *Journal of Alloys and Compounds*, **2017**, 697, 132-137	5.7	44
77	Iron-embedded nitrogen doped carbon frameworks as robust catalyst for oxygen reduction reaction in microbial fuel cells. *Applied Catalysis B: Environmental*, **2017**, 202, 550-556	21.8	123
76	One-Step Self-Assembly Synthesis □Fe2O3 with Carbon-Coated Nanoparticles for Stabilized and Enhanced Supercapacitors Electrode. *Energies*, **2017**, 10, 1296	3.1	20
75	3D Co-N-doped hollow carbon spheres as excellent bifunctional electrocatalysts for oxygen reduction reaction and oxygen evolution reaction. *Applied Catalysis B: Environmental*, **2017**, 217, 477-484	21.8	177
74	Guanidinium nonaflate as a solid-state proton conductor. *Journal of Materials Chemistry A*, **2016**, 4, 12241-12253	13	36
73	Metal-Organic-Framework-Derived Dual Metal- and Nitrogen-Doped Carbon as Efficient and Robust Oxygen Reduction Reaction Catalysts for Microbial Fuel Cells. *Advanced Science*, **2016**, 3, 1500265	13.6	209
72	Self-assembly of polyhedral oligosilsesquioxane (POSS) into hierarchically ordered mesoporous carbons with uniform microporosity and nitrogen-doping for high performance supercapacitors. *Nano Energy*, **2016**, 22, 255-268	17.1	80
71	Octa(aminophenyl)silsesquioxane derived nitrogen-doped well-defined nanoporous carbon materials: Synthesis and application for supercapacitors. *Electrochimica Acta*, **2016**, 194, 143-150	6.7	19
70	Facile Synthesis of Fe C@Graphene Hybrid Nanorods as an Efficient and Robust Catalyst for Oxygen Reduction Reaction. *ChemPlusChem*, **2016**, 81, 646-651	2.8	9
69	Nitrogen and sulfur co-doped carbon with three-dimensional ordered macroporosity: An efficient metal-free oxygen reduction catalyst derived from ionic liquid. *Journal of Power Sources*, **2016**, 323, 90-96	8.9	39
68	Dual-doped mesoporous carbon synthesized by a novel nanocasting method with superior catalytic activity for oxygen reduction. *Nano Energy*, **2016**, 26, 131-138	17.1	57
67	Highly efficient synthesis of ordered nitrogen-doped mesoporous carbons with tunable properties and its application in high performance supercapacitors. *Journal of Power Sources*, **2016**, 321, 143-154	8.9	64
66	Advanced Separators for Lithium-Ion and Lithium-Sulfur Batteries: A Review of Recent Progress. *ChemSusChem*, **2016**, 9, 3023-3039	8.3	220
65	Highly ordered 3D macroporous scaffold supported Pt/C oxygen electrodes with superior gas-proton transportation properties and activities for fuel cells. *Journal of Materials Chemistry A*, **2015**, 3, 15001-15007	13	14
64	Improve Electrochemical Hydrogen Insertion on the Carbon Materials Loaded with Pt nano-particles through H spillover. *Electrochimica Acta*, **2015**, 174, 400-405	6.7	9
63	Advanced Ti-Doped Fe2O3@PEDOT Core/Shell Anode for High-Energy Asymmetric Supercapacitors. *Advanced Energy Materials*, **2015**, 5, 1402176	21.8	367
62	Valence-Optimized Vanadium Oxide Supercapacitor Electrodes Exhibit Ultrahigh Capacitance and Super-Long Cyclic Durability of 100 000 Cycles. *Advanced Functional Materials*, **2015**, 25, 3534-3540	15.6	166
61	Enhanced supercapacitive performance on TiO2@C coaxial nano-rod array through a bio-inspired approach. *Nano Energy*, **2015**, 15, 75-82	17.1	55

60	Nafion **2015**, 1-39		
59	Toward Anhydrous Proton Conductivity Based on Imidazole Functionalized Mesoporous Silica/Nafion Composite Membranes. *Electrochimica Acta*, **2015**, 160, 185-194	6.7	44
58	Microwave plasma synthesized nitrogen-doped carbon nanotubes for oxygen reduction. *Journal of Solid State Electrochemistry*, **2015**, 19, 1541-1549	2.6	19
57	Grafting distance and molecular weight dependent proton conduction of polymer electrolyte brushes. *European Polymer Journal*, **2015**, 64, 93-100	5.2	6
56	Proton conduction of polyAMPS brushes on titanate nanotubes. *Scientific Reports*, **2014**, 4, 6225	4.9	8
55	Ethylcellulose-coated polyolefin separators for lithium-ion batteries with improved safety performance. *Carbohydrate Polymers*, **2014**, 101, 1140-6	10.3	48
54	Approaching high temperature performance for proton exchange membrane fuel cells with 3D ordered silica/Cs2.5H0.5PW electrolytes. *Journal of Materials Chemistry A*, **2014**, 2, 753-760	13	25
53	Comprehensive strategy to design highly ordered mesoporous Nafion membranes for fuel cells under low humidity conditions. *Journal of Materials Chemistry A*, **2014**, 2, 20578-20587	13	16
52	Understanding short-side-chain perfluorinated sulfonic acid and its application for high temperature polymer electrolyte membrane fuel cells. *RSC Advances*, **2014**, 4, 3944-3965	3.7	67
51	Particle-assisted semidirect breath figure method: a facile way to endow the honeycomb-structured petri dish with molecular recognition capability. *ACS Applied Materials & Interfaces*, **2014**, 6, 12931-8	9.5	10
50	Insight into the structural construction of a perfluorosulfonic acid membrane derived from a polymeric dispersion. *Journal of Power Sources*, **2014**, 256, 383-393	8.9	11
49	Understanding of temperature-dependent performance of short-side-chain perfluorosulfonic acid electrolyte and reinforced composite membrane. *International Journal of Hydrogen Energy*, **2014**, 39, 15948-15955	6.7	12
48	Hydrogen crossover through perfluorosulfonic acid membranes with variable side chains and its influence in fuel cell lifetime. *International Journal of Hydrogen Energy*, **2014**, 39, 15989-15995	6.7	26
47	Electrochemical Hydrogen Storage in a Highly Ordered Mesoporous Carbon. *Frontiers in Energy Research*, **2014**, 2,	3.8	5
46	A Review on Cold Start of Proton Exchange Membrane Fuel Cells. *Energies*, **2014**, 7, 3179-3203	3.1	73
45	Nanostructure-based proton exchange membrane for fuel cell applications at high temperature. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 1181-93	1.3	7
44	Hydrogen ion supercapacitor: a new hybrid configuration of highly dispersed MnO□ in porous carbon coupled with nitrogen-doped highly ordered mesoporous carbon with enhanced H-insertion. *ACS Applied Materials & Interfaces*, **2014**, 6, 22687-94	9.5	19
43	Self-Assembly of Nanostructured Proton Exchange Membranes for Fuel Cells. *ACS Symposium Series* , **2013**, 243-263	0.4	1

42	Expanded polytetrafluoroethylene reinforced polyvinylidenefluoride-hexafluoropropylene separator with high thermal stability for lithium-ion batteries. *Journal of Power Sources*, **2013**, 241, 203-211	8.9	38
41	Microstructure evolution of Nafion/silica membrane under humidity conditions. *Journal of Power Sources*, **2013**, 234, 333-339	8.9	10
40	Balancing dimensional stability and performance of proton exchange membrane using hydrophilic nanofibers as the supports. *International Journal of Hydrogen Energy*, **2013**, 38, 4725-4733	6.7	10
39	Physically stable and high performance Aquivion/ePTFE composite membrane for high temperature fuel cell application. *Journal of Membrane Science*, **2013**, 442, 65-71	9.6	39
38	Long-range ordered straight holes manufacturing in polyimide for proton exchange membrane fuel cells. *Optics and Laser Technology*, **2013**, 54, 413-418	4.2	3
37	Highly ordered and periodic mesoporous Nafion membranes via colloidal silica mediated self-assembly for fuel cells. *Chemical Communications*, **2013**, 49, 6537-9	5.8	33
36	Promoting Electrochemical Performance of Fuel Cells by Heteropolyacid Incorporated Three-Dimensional Ordered Nafion Electrolyte. *Science of Advanced Materials*, **2013**, 5, 1788-1795	2.3	9
35	Physically stable proton exchange membrane with ordered electrolyte for elevated temperature PEM fuel cell. *International Journal of Hydrogen Energy*, **2012**, 37, 9782-9791	6.7	6
34	Nafion membranes with ordered mesoporous structure and high water retention properties for fuel cell applications. *Journal of Materials Chemistry*, **2012**, 22, 5810		43
33	Methanol crossover reduction by Nafion modification via layer-by-layer self-assembly techniques. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 407, 49-57	5.1	33
32	Synthesis of Nafion/CeO2 hybrid for chemically durable proton exchange membrane of fuel cell. *Journal of Membrane Science*, **2012**, 421-422, 201-210	9.6	57
31	Well-ordered sulfonated silica electrolyte with high proton conductivity and enhanced selectivity at elevated temperature for DMFC. *International Journal of Hydrogen Energy*, **2012**, 37, 4612-4618	6.7	27
30	A novel inorganic proton exchange membrane based on self-assembled HPW-meso-silica for direct methanol fuel cells. *Journal of Materials Chemistry*, **2011**, 21, 6668		51
29	Self assembled 12-tungstophosphoric acid-silica mesoporous nanocomposites as proton exchange membranes for direct alcohol fuel cells. *Dalton Transactions*, **2011**, 40, 5220-7	4.3	31
28	Self-assembly of durable Nafion/TiO2 nanowire electrolyte membranes for elevated-temperature PEM fuel cells. *Journal of Membrane Science*, **2011**, 369, 250-257	9.6	83
27	Durable perfluorosulfonic polymer electrolyte membranes prepared from alkaline-ion-assisted heat treatment. *Journal of Membrane Science*, **2011**, 379, 106-111	9.6	9
26	One-step synthesized HPW/meso-silica inorganic proton exchange membranes for fuel cells. *Chemical Communications*, **2010**, 46, 4351-3	5.8	52
25	Durable and high performance Nafion membrane prepared through high-temperature annealing methodology. *Journal of Membrane Science*, **2010**, 361, 38-42	9.6	51

24	Accelerated durability tests of catalyst layers with various pore volume for catalyst coated membranes applied in PEM fuel cells. *International Journal of Hydrogen Energy*, **2010**, 35, 2872-2876	6.7	33
23	Promotion of catalytic activity for methanol electro-oxidation on CoPc-Pt/C co-catalysts. *Science Bulletin*, **2009**, 54, 1032-1036	10.6	1
22	Water-retention proton exchange membrane assisted with various nanostructures silica. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 1084-9	1.3	1
21	Self-Assembled Pt/Mesoporous Silica□Carbon Electrocatalysts for Elevated-Temperature Polymer Electrolyte Membrane Fuel Cells. *Journal of Physical Chemistry C*, **2008**, 112, 19748-19755	3.8	35
20	Nickel phthalocyanine-tetrasulfonic acid as a promoter of methanol electro-oxidation on Pt/C catalyst. *Journal of Applied Electrochemistry*, **2008**, 38, 875-879	2.6	14
19	Improvement of the Nafion□Polytetrafluoroethylene membranes for potential direct methanol fuel cell use by reduction of the methanol crossover. *Journal of Applied Polymer Science*, **2008**, 110, 2227-2233	2.9	5
18	Sodium borohydride hydrolysis on highly efficient Co□B/Pd catalysts. *International Journal of Hydrogen Energy*, **2008**, 33, 4048-4054	6.7	65
17	Highly durable proton exchange membranes for low temperature fuel cells. *Journal of Physical Chemistry B*, **2007**, 111, 8684-90	3.4	74
16	Self-assembled Nafion□Silica nanoparticles for elevated-high temperature polymer electrolyte membrane fuel cells. *Electrochemistry Communications*, **2007**, 9, 2003-2008	5.1	116
15	Highly efficient AuPd□WC/C electrocatalyst for ethanol oxidation. *Electrochemistry Communications* , **2007**, 9, 2375-2379	5.1	84
14	Fabrication and characterization of PFSI/ePTFE composite proton exchange membranes of polymer electrolyte fuel cells. *Electrochimica Acta*, **2007**, 52, 5304-5311	6.7	50
13	Fabrication and characterization of improved PFSA/ePTFE composite polymer electrolyte membranes. *Journal of Membrane Science*, **2007**, 306, 298-306	9.6	33
12	Porosity-graded micro-porous layers for polymer electrolyte membrane fuel cells. *Journal of Power Sources*, **2007**, 166, 41-46	8.9	113
11	A degradation study of Nafion proton exchange membrane of PEM fuel cells. *Journal of Power Sources*, **2007**, 170, 85-92	8.9	311
10	A comparative study of CCM and hot-pressed MEAs for PEM fuel cells. *Journal of Power Sources*, **2007**, 170, 140-144	8.9	78
9	Performance of DMFCs prepared by hot-pressed MEA and catalyst-coated membrane. *Fuel Cells Bulletin*, **2007**, 2007, 12-16	1.6	4
8	Performance of direct methanol fuel cells prepared by hot-pressed MEA and catalyst-coated membrane (CCM). *Electrochimica Acta*, **2007**, 52, 3714-3718	6.7	96
7	Performance of Direct Formic Acid Fuel Cell With Self-Assembled PEMs **2006**, 1149		

6	Au nanoparticles self-assembled onto Nafion membranes for use as methanol-blocking barriers. *Electrochemistry Communications*, **2005**, 7, 1143-1147	5.1	43
5	Self-assembling multi-layer Pd nanoparticles onto Nafion membrane to reduce methanol crossover. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2005**, 262, 65-70	5.1	35
4	Electrostatic self-assembly Pd particles on Nafion membrane surface to reduce methanol crossover. *Science Bulletin*, **2005**, 50, 377-379		
3	Fabrication and Performance of Polymer Electrolyte Fuel Cells by Self-Assembly of Pt Nanoparticles. *Journal of the Electrochemical Society*, **2005**, 152, A1081	3.9	47
2	Sublayer-enhanced atomic sites of single atom catalysts through in situ atomization of metal oxide nanoparticles. *Energy and Environmental Science*,	35.4	2
1	Bimetal-organic framework-derived carbon nanocubes with 3D hierarchical pores as highly efficient oxygen reduction reaction electrocatalysts for microbial fuel cells. *Science China Materials*,1	7.1	3