

Haolin Tang

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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	Design of N-Coordinated Dual-Metal Sites: A Stable and Active Pt-Free Catalyst for Acidic Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17281-17284	16.4	815
166	From 3D ZIF Nanocrystals to Co _N /C Nanorod Array Electrocatalysts for ORR, OER, and Zn-Air Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1704638	15.6	541
165	Enhanced oxygen reduction with single-atomic-site iron catalysts for a zinc-air battery and hydrogen-air fuel cell. <i>Nature Communications</i> , 2018 , 9, 5422	17.4	431
164	Advanced Ti-Doped Fe ₂ O ₃ @PEDOT Core/Shell Anode for High-Energy Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2015 , 5, 1402176	21.8	367
163	A degradation study of Nafion proton exchange membrane of PEM fuel cells. <i>Journal of Power Sources</i> , 2007 , 170, 85-92	8.9	311
162	Advanced Separators for Lithium-Ion and Lithium-Sulfur Batteries: A Review of Recent Progress. <i>ChemSusChem</i> , 2016 , 9, 3023-3039	8.3	220
161	Metal-Organic-Framework-Derived Dual Metal- and Nitrogen-Doped Carbon as Efficient and Robust Oxygen Reduction Reaction Catalysts for Microbial Fuel Cells. <i>Advanced Science</i> , 2016 , 3, 1500265	13.6	209
160	A general route via formamide condensation to prepare atomically dispersed metal-nitrogen-carbon electrocatalysts for energy technologies. <i>Energy and Environmental Science</i> , 2019 , 12, 1317-1325	35.4	181
159	3D Co-N-doped hollow carbon spheres as excellent bifunctional electrocatalysts for oxygen reduction reaction and oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2017 , 217, 477-484	21.8	177
158	Valence-Optimized Vanadium Oxide Supercapacitor Electrodes Exhibit Ultrahigh Capacitance and Super-Long Cyclic Durability of 100 000 Cycles. <i>Advanced Functional Materials</i> , 2015 , 25, 3534-3540	15.6	166
157	A universal strategy for metal oxide anchored and binder-free carbon matrix electrode: A supercapacitor case with superior rate performance and high mass loading. <i>Nano Energy</i> , 2017 , 31, 311-321	17.1	145
156	Iron-embedded nitrogen doped carbon frameworks as robust catalyst for oxygen reduction reaction in microbial fuel cells. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 550-556	21.8	123
155	Engineered Graphene Materials: Synthesis and Applications for Polymer Electrolyte Membrane Fuel Cells. <i>Advanced Materials</i> , 2017 , 29, 1601741	24	118
154	Self-assembled Nafion-silica nanoparticles for elevated-high temperature polymer electrolyte membrane fuel cells. <i>Electrochemistry Communications</i> , 2007 , 9, 2003-2008	5.1	116
153	Porosity-graded micro-porous layers for polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2007 , 166, 41-46	8.9	113
152	Bimetallic-organic framework-derived hierarchically porous Co-Zn-N-C as efficient catalyst for acidic oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2019 , 244, 120-127	21.8	108
151	Performance of direct methanol fuel cells prepared by hot-pressed MEA and catalyst-coated membrane (CCM). <i>Electrochimica Acta</i> , 2007 , 52, 3714-3718	6.7	96

150	Highly efficient AuPd ₂ /WC/C electrocatalyst for ethanol oxidation. <i>Electrochemistry Communications</i> , 2007 , 9, 2375-2379	5.1	84
149	Self-assembly of durable Nafion/TiO ₂ nanowire electrolyte membranes for elevated-temperature PEM fuel cells. <i>Journal of Membrane Science</i> , 2011 , 369, 250-257	9.6	83
148	Self-assembly of polyhedral oligosilsesquioxane (POSS) into hierarchically ordered mesoporous carbons with uniform microporosity and nitrogen-doping for high performance supercapacitors. <i>Nano Energy</i> , 2016 , 22, 255-268	17.1	80
147	A comparative study of CCM and hot-pressed MEAs for PEM fuel cells. <i>Journal of Power Sources</i> , 2007 , 170, 140-144	8.9	78
146	Highly durable proton exchange membranes for low temperature fuel cells. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 8684-90	3.4	74
145	A Review on Cold Start of Proton Exchange Membrane Fuel Cells. <i>Energies</i> , 2014 , 7, 3179-3203	3.1	73
144	Understanding short-side-chain perfluorinated sulfonic acid and its application for high temperature polymer electrolyte membrane fuel cells. <i>RSC Advances</i> , 2014 , 4, 3944-3965	3.7	67
143	Sodium borohydride hydrolysis on highly efficient CoB/Pd catalysts. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 4048-4054	6.7	65
142	Highly efficient synthesis of ordered nitrogen-doped mesoporous carbons with tunable properties and its application in high performance supercapacitors. <i>Journal of Power Sources</i> , 2016 , 321, 143-154	8.9	64
141	Synthesis of Nafion/CeO ₂ hybrid for chemically durable proton exchange membrane of fuel cell. <i>Journal of Membrane Science</i> , 2012 , 421-422, 201-210	9.6	57
140	Dual-doped mesoporous carbon synthesized by a novel nanocasting method with superior catalytic activity for oxygen reduction. <i>Nano Energy</i> , 2016 , 26, 131-138	17.1	57
139	Enhanced supercapacitive performance on TiO ₂ @C coaxial nano-rod array through a bio-inspired approach. <i>Nano Energy</i> , 2015 , 15, 75-82	17.1	55
138	One-step synthesized HPW/meso-silica inorganic proton exchange membranes for fuel cells. <i>Chemical Communications</i> , 2010 , 46, 4351-3	5.8	52
137	A novel inorganic proton exchange membrane based on self-assembled HPW-meso-silica for direct methanol fuel cells. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6668		51
136	Durable and high performance Nafion membrane prepared through high-temperature annealing methodology. <i>Journal of Membrane Science</i> , 2010 , 361, 38-42	9.6	51
135	Fabrication and characterization of PFSI/ePTFE composite proton exchange membranes of polymer electrolyte fuel cells. <i>Electrochimica Acta</i> , 2007 , 52, 5304-5311	6.7	50
134	Ethylcellulose-coated polyolefin separators for lithium-ion batteries with improved safety performance. <i>Carbohydrate Polymers</i> , 2014 , 101, 1140-6	10.3	48
133	Fabrication and Performance of Polymer Electrolyte Fuel Cells by Self-Assembly of Pt Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2005 , 152, A1081	3.9	47

132	Interfacing soluble polysulfides with a SnO ₂ functionalized separator: An efficient approach for improving performance of Li-S battery. <i>Journal of Membrane Science</i> , 2018 , 563, 380-387	9.6	45
131	Nanostructured composites of one-dimensional TiO ₂ and reduced graphene oxide for efficient dye-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2017 , 697, 132-137	5.7	44
130	Toward Anhydrous Proton Conductivity Based on Imidazole Functionalized Mesoporous Silica/Nafion Composite Membranes. <i>Electrochimica Acta</i> , 2015 , 160, 185-194	6.7	44
129	Nafion membranes with ordered mesoporous structure and high water retention properties for fuel cell applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5810		43
128	Au nanoparticles self-assembled onto Nafion membranes for use as methanol-blocking barriers. <i>Electrochemistry Communications</i> , 2005 , 7, 1143-1147	5.1	43
127	Facile synthesis of Fe ₂ O ₃ @graphite nanoparticle composite as the anode for Lithium ion batteries with high cyclic stability. <i>Electrochimica Acta</i> , 2017 , 253, 104-113	6.7	42
126	Air-stable red phosphorus anode for potassium/sodium-ion batteries enabled through dual-protection design. <i>Nano Energy</i> , 2020 , 69, 104451	17.1	42
125	Amine-functionalized poly(ionic liquid) brushes for carbon dioxide adsorption. <i>Chemical Engineering Journal</i> , 2017 , 316, 903-910	14.7	41
124	Physically stable and high performance Aquivion/ePTFE composite membrane for high temperature fuel cell application. <i>Journal of Membrane Science</i> , 2013 , 442, 65-71	9.6	39
123	Nitrogen and sulfur co-doped carbon with three-dimensional ordered macroporosity: An efficient metal-free oxygen reduction catalyst derived from ionic liquid. <i>Journal of Power Sources</i> , 2016 , 323, 90-96	8.9	39
122	Expanded polytetrafluoroethylene reinforced polyvinylidene fluoride/hexafluoropropylene separator with high thermal stability for lithium-ion batteries. <i>Journal of Power Sources</i> , 2013 , 241, 203-211	8.9	38
121	Guanidinium nonaflate as a solid-state proton conductor. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12241-12253	13.3	36
120	A sustainable route from fly ash to silicon nanorods for high performance lithium ion batteries. <i>Chemical Engineering Journal</i> , 2017 , 330, 1052-1059	14.7	36
119	Self-Assembled Pt/Mesoporous Silica/Carbon Electrocatalysts for Elevated-Temperature Polymer Electrolyte Membrane Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 19748-19755	3.8	35
118	Self-assembling multi-layer Pd nanoparticles onto Nafion membrane to reduce methanol crossover. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 262, 65-70	5.1	35
117	Methanol crossover reduction by Nafion modification via layer-by-layer self-assembly techniques. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 407, 49-57	5.1	33
116	Highly ordered and periodic mesoporous Nafion membranes via colloidal silica mediated self-assembly for fuel cells. <i>Chemical Communications</i> , 2013 , 49, 6537-9	5.8	33
115	Accelerated durability tests of catalyst layers with various pore volume for catalyst coated membranes applied in PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 2872-2876	6.7	33

114	Fabrication and characterization of improved PFSA/ePTFE composite polymer electrolyte membranes. <i>Journal of Membrane Science</i> , 2007 , 306, 298-306	9.6	33
113	[email[protected]] Derived Co/N/C Nanowire Network as an Advanced Reversible Oxygen Electrocatalyst for Rechargeable Zinc-Air Batteries. <i>ACS Applied Energy Materials</i> , 2018 , 1, 1060-1068	6.1	31
112	Self assembled 12-tungstophosphoric acid-silica mesoporous nanocomposites as proton exchange membranes for direct alcohol fuel cells. <i>Dalton Transactions</i> , 2011 , 40, 5220-7	4.3	31
111	Co ₃ O ₄ -graphene nanoflowers as anode for advanced lithium ion batteries with enhanced rate capability. <i>Journal of Alloys and Compounds</i> , 2017 , 710, 114-120	5.7	28
110	SnO ₂ Functionalized Polyethylene Separator with Enhanced Thermal Stability for High Performance Lithium Ion Battery. <i>ChemistrySelect</i> , 2018 , 3, 911-916	1.8	28
109	3D Coral-like LLZO/PVDF Composite Electrolytes with Enhanced Ionic Conductivity and Mechanical Flexibility for Solid-State Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 52652-52659	9.5	28
108	Integrated 3D electrodes based on metal-nitrogen-doped graphitic ordered mesoporous carbon and carbon paper for high-loading lithium-sulfur batteries. <i>Nano Energy</i> , 2020 , 73, 104763	17.1	27
107	Well-ordered sulfonated silica electrolyte with high proton conductivity and enhanced selectivity at elevated temperature for DMFC. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 4612-4618	6.7	27
106	Synthesis of MnO nano-particle@Flourine doped carbon and its application in hybrid supercapacitor. <i>Applied Surface Science</i> , 2017 , 413, 344-350	6.7	26
105	A single-step fabrication of CoTe ₂ nanofilm electrode toward efficient overall water splitting. <i>Electrochimica Acta</i> , 2019 , 307, 451-458	6.7	26
104	Evaporation-induced formation of hollow bismuth@N-doped carbon nanorods for enhanced electrochemical potassium storage. <i>Applied Surface Science</i> , 2020 , 514, 145947	6.7	26
103	Hydrogen crossover through perfluorosulfonic acid membranes with variable side chains and its influence in fuel cell lifetime. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 15989-15995	6.7	26
102	Approaching high temperature performance for proton exchange membrane fuel cells with 3D ordered silica/Cs ₂ .5H ₀ .5PW electrolytes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 753-760	13	25
101	A synergistic modification of polypropylene separator toward stable lithium-sulfur battery. <i>Journal of Membrane Science</i> , 2020 , 597, 117646	9.6	25
100	Protic ionic liquid modified electrocatalyst enables robust anode under cell reversal condition. <i>Journal of Power Sources</i> , 2017 , 351, 138-144	8.9	21
99	Controlled carbon coating of Fe ₂ O ₃ nanotube with tannic acid: A bio-inspired approach toward high performance lithium-ion battery anode. <i>Journal of Alloys and Compounds</i> , 2017 , 719, 347-352	5.7	20
98	An efficient bifunctional electrocatalyst derived from layer-by-layer self-assembly of a three-dimensional porous Co-N-C@graphene. <i>Science Bulletin</i> , 2019 , 64, 968-975	10.6	20
97	Electrochemical reconstruction induced high electrochemical performance of Co ₃ O ₄ /reduced graphene oxide for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2018 , 764, 80-87	5.7	20

96	One-Step Self-Assembly Synthesis of Fe ₂ O ₃ with Carbon-Coated Nanoparticles for Stabilized and Enhanced Supercapacitors Electrode. <i>Energies</i> , 2017 , 10, 1296	3.1	20
95	Self-assembly synthesis of a unique stable cocoon-like hematite @C nanoparticle and its application in lithium ion batteries. <i>Journal of Colloid and Interface Science</i> , 2017 , 495, 157-167	9.3	19
94	Octa(aminophenyl)silsesquioxane derived nitrogen-doped well-defined nanoporous carbon materials: Synthesis and application for supercapacitors. <i>Electrochimica Acta</i> , 2016 , 194, 143-150	6.7	19
93	Confining nano-sized platinum in nitrogen doped ordered mesoporous carbon: An effective approach toward efficient and robust hydrogen evolution electrocatalyst. <i>Journal of Colloid and Interface Science</i> , 2018 , 530, 595-602	9.3	19
92	Microwave plasma synthesized nitrogen-doped carbon nanotubes for oxygen reduction. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 1541-1549	2.6	19
91	Hydrogen ion supercapacitor: a new hybrid configuration of highly dispersed MnO ₂ porous carbon coupled with nitrogen-doped highly ordered mesoporous carbon with enhanced H-insertion. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22687-94	9.5	19
90	Preparation and characterization of a novel positively charged composite hollow fiber nanofiltration membrane based on chitosan lactate.. <i>RSC Advances</i> , 2019 , 9, 4361-4369	3.7	19
89	Improving Oxygen Reduction Performance by Using Protic Poly(Ionic Liquid) as Proton Conductors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6111-6117	9.5	18
88	Improving catalytic activity of metal telluride by hybridization: An efficient Ni ₃ Te ₂ -CoTe composite electrocatalyst for oxygen evolution reaction. <i>Applied Surface Science</i> , 2019 , 490, 516-521	6.7	16
87	Comprehensive strategy to design highly ordered mesoporous Nafion membranes for fuel cells under low humidity conditions. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20578-20587	13	16
86	Cellulose-based material in lithium-sulfur batteries: A review. <i>Carbohydrate Polymers</i> , 2021 , 255, 117469	10.3	16
85	Lithium ion supercapacitor composed by Si-based anode and hierarchical porous carbon cathode with super long cycle life. <i>Applied Surface Science</i> , 2019 , 463, 879-888	6.7	15
84	Highly ordered 3D macroporous scaffold supported Pt/C oxygen electrodes with superior gas-proton transportation properties and activities for fuel cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15001-15007	13	14
83	Three-Dimensional Macroporous Co-Embedded N-Doped Carbon Interweaving with Carbon Nanotubes as Excellent Bifunctional Catalysts for Zn-Air Batteries. <i>Langmuir</i> , 2018 , 34, 1992-1998	4	14
82	Nickel phthalocyanine-tetrasulfonic acid as a promoter of methanol electro-oxidation on Pt/C catalyst. <i>Journal of Applied Electrochemistry</i> , 2008 , 38, 875-879	2.6	14
81	Fe and N Co-doped Carbons Derived from an Ionic Liquid as Active Bifunctional Oxygen Catalysts. <i>ChemElectroChem</i> , 2017 , 4, 1148-1153	4.3	13
80	In-Situ Synthesized Si@C Materials for the Lithium Ion Battery: A Mini Review. <i>Nanomaterials</i> , 2019 , 9,	5.4	13
79	Electrochemical Hydrogen Storage in Facile Synthesized Co@N-Doped Carbon Nanoparticle Composites. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41332-41338	9.5	13

78	Synthesis of LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ @graphene for lithium-ion batteries via self-assembled polyelectrolyte layers. <i>Ceramics International</i> , 2017 , 43, 7668-7673	5.1	12
77	Understanding of temperature-dependent performance of short-side-chain perfluorosulfonic acid electrolyte and reinforced composite membrane. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 15948-15955	6.7	12
76	Insight into the structural construction of a perfluorosulfonic acid membrane derived from a polymeric dispersion. <i>Journal of Power Sources</i> , 2014 , 256, 383-393	8.9	11
75	Multifunctional Polypropylene Separator via Cooperative Modification and Its Application in the Lithium-Sulfur Battery. <i>Langmuir</i> , 2020 , 36, 11147-11153	4	11
74	Effect of Elevated Temperature Annealing on Nafion/SiO ₂ Composite Membranes for the All-Vanadium Redox Flow Battery. <i>Polymers</i> , 2018 , 10,	4.5	10
73	Particle-assisted semidirect breath figure method: a facile way to endow the honeycomb-structured petri dish with molecular recognition capability. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12931-8	9.5	10
72	Microstructure evolution of Nafion/silica membrane under humidity conditions. <i>Journal of Power Sources</i> , 2013 , 234, 333-339	8.9	10
71	Balancing dimensional stability and performance of proton exchange membrane using hydrophilic nanofibers as the supports. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 4725-4733	6.7	10
70	Activating the hydrogen evolution activity of Pt electrode via synergistic interaction with NiS. <i>Journal of Colloid and Interface Science</i> , 2021 , 582, 591-597	9.3	10
69	Fabrication of nitrogen doped carbon encapsulated ZnO particle and its application in a lithium ion conversion supercapacitor. <i>Journal of Materials Research</i> , 2017 , 32, 334-342	2.5	9
68	Seaweed-Like WS ₂ /GO Enabling Ultralong Cycling Life and Enhanced Rate Capability for Lithium-Ion Batteries. <i>Nanomaterials</i> , 2019 , 9,	5.4	9
67	Improve Electrochemical Hydrogen Insertion on the Carbon Materials Loaded with Pt nano-particles through H spillover. <i>Electrochimica Acta</i> , 2015 , 174, 400-405	6.7	9
66	Water-Stable Nanoporous Polymer Films with Excellent Proton Conductivity. <i>Macromolecular Rapid Communications</i> , 2018 , 39, 1700676	4.8	9
65	Improving the Electrochemical Performance of Polypropylene Separator through Instantaneous Photo-Induced Functionalization. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A1909-A1914	3.9	9
64	Durable perfluorosulfonic polymer electrolyte membranes prepared from alkaline-ion-assisted heat treatment. <i>Journal of Membrane Science</i> , 2011 , 379, 106-111	9.6	9
63	High-Capacity P2-Type Na _x Li _{0.25} Mn _{0.75} O ₂ Cathode Enabled by Anionic Oxygen Redox. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A4136-A4140	3.9	9
62	Promoting Electrochemical Performance of Fuel Cells by Heteropolyacid Incorporated Three-Dimensional Ordered Nafion Electrolyte. <i>Science of Advanced Materials</i> , 2013 , 5, 1788-1795	2.3	9
61	Facile Synthesis of Fe C@Graphene Hybrid Nanorods as an Efficient and Robust Catalyst for Oxygen Reduction Reaction. <i>ChemPlusChem</i> , 2016 , 81, 646-651	2.8	9

60	Electrochemical hydrogen storage in a nitrogen-doped uniformed microporous carbon. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 14096-14102	6.7	9
59	Synthesis of MOF-74-derived carbon/ZnCo ₂ O ₄ nanoparticles@CNT-nest hybrid material and its application in lithium ion batteries. <i>Journal of Applied Electrochemistry</i> , 2019 , 49, 1103-1112	2.6	8
58	Proton conduction of polyAMPS brushes on titanate nanotubes. <i>Scientific Reports</i> , 2014 , 4, 6225	4.9	8
57	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. <i>Journal of Alloys and Compounds</i> , 2018 , 742, 641-647	5.7	8
56	Ionic Liquids-Functionalized Zeolitic Imidazolate Framework for Carbon Dioxide Adsorption. <i>Materials</i> , 2019 , 12,	3.5	8
55	Electrochemical hydrogen storage in iron nitrogen dual-doped ordered mesoporous carbon. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 7326-7336	6.7	8
54	Co-N-doped hierarchically ordered macro/mesoporous carbon as bifunctional electrocatalyst toward oxygen reduction/evolution reactions. <i>International Journal of Energy Research</i> , 2021 , 45, 6250-6261	4.5	8
53	A novel high-performance electrode architecture for supercapacitors: Fe ₂ O ₃ nanocube and carbon nanotube functionalized carbon. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22648-22653	13	7
52	Nanostructure-based proton exchange membrane for fuel cell applications at high temperature. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 1181-93	1.3	7
51	Elucidating the Redox Behavior in Different P-type Layered Oxides for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43665-43673	9.5	7
50	Recent advances of hierarchically porous bifunctional oxygen electrocatalysts derived from metal-organic frameworks for Zn-air batteries. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 2649-2667	7.8	7
49	POSS-Derived Synthesis and Full Life Structural Analysis of Si@C as Anode Material in Lithium Ion Battery. <i>Polymers</i> , 2019 , 11,	4.5	6
48	Physically stable proton exchange membrane with ordered electrolyte for elevated temperature PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 9782-9791	6.7	6
47	Grafting distance and molecular weight dependent proton conduction of polymer electrolyte brushes. <i>European Polymer Journal</i> , 2015 , 64, 93-100	5.2	6
46	A novel three-component reaction for constructing indolizine-containing aliphatic sulfonyl fluorides. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 1185-1189	5.2	6
45	Tuning the Intrinsic Activity and Electrochemical Surface Area of MoS via Tiny Zn Doping: Toward an Efficient Hydrogen Evolution Reaction (HER) Catalyst. <i>Chemistry - A European Journal</i> , 2021 , 27, 15992-15999	4.8	6
44	Polyacrylamide Microspheres-Derived FeC@N-doped Carbon Nanospheres as Efficient Catalyst for Oxygen Reduction Reaction. <i>Polymers</i> , 2019 , 11,	4.5	5
43	A general method to fabricate MoO/C composites and porous C for asymmetric solid-state supercapacitors.. <i>RSC Advances</i> , 2019 , 9, 13207-13213	3.7	5

42	Electrochemical Hydrogen Storage in a Highly Ordered Mesoporous Carbon. <i>Frontiers in Energy Research</i> , 2014 , 2,	3.8	5
41	Improvement of the Nafion [®] polytetrafluoroethylene membranes for potential direct methanol fuel cell use by reduction of the methanol crossover. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 2227-2233 ⁹	3.9	5
40	Hierarchical Nanostructured Electrocatalysts for Oxygen Reduction Reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 1085-1097	1.3	5
39	Rational design of hierarchically porous Fe-N-doped carbon as efficient electrocatalyst for oxygen reduction reaction and Zn-air batteries. <i>Nano Research</i> , 2021 , 14, 4768	10	5
38	Ionic Liquid Modified Inorganic Nanoparticles for Gaseous Phenol Adsorption. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019 , 34, 787-790	1	4
37	Performance of DMFCs prepared by hot-pressed MEA and catalyst-coated membrane. <i>Fuel Cells Bulletin</i> , 2007 , 2007, 12-16	1.6	4
36	Formation of thin layer graphite wrapped meso-porous SiO _x and its lithium storage application. <i>Ceramics International</i> , 2019 , 45, 24707-24716	5.1	4
35	Water-Dispersed Poly(p-Phenylene Terephthamide) Boosting Nano-AlO-Coated Polyethylene Separator with Enhanced Thermal Stability and Ion Diffusion for Lithium-Ion Batteries. <i>Polymers</i> , 2019 , 11,	4.5	3
34	A hybrid supercapacitor constructed by graphene wrapped ordered meso-porous Si based electrode. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 576, 15-21	5.1	3
33	Synthesis and Characterization of 3-DOM IrO ₂ Electrocatalysts Templated by PMMA for Oxygen Evolution Reaction. <i>Polymers</i> , 2019 , 11,	4.5	3
32	Enhancement of the electrochemical performance of lithium-ion batteries by SiO@poly(2-acrylamido-2-methylpropanesulfonic acid) nanosphere addition into a polypropylene membrane.. <i>RSC Advances</i> , 2020 , 10, 5077-5087	3.7	3
31	Long-range ordered straight holes manufacturing in polyimide for proton exchange membrane fuel cells. <i>Optics and Laser Technology</i> , 2013 , 54, 413-418	4.2	3
30	Excellent Performances of Composite Polymer Electrolytes with Porous Vinyl-Functionalized SiO Nanoparticles for Lithium Metal Batteries. <i>Polymers</i> , 2021 , 13,	4.5	3
29	Bimetal-organic framework-derived carbon nanocubes with 3D hierarchical pores as highly efficient oxygen reduction reaction electrocatalysts for microbial fuel cells. <i>Science China Materials</i> , ¹	7.1	3
28	Ordered Iron- and Nitrogen-Doped Carbon Framework as a Carbon Monoxide-Tolerant Alkaline Anion-Exchange Membrane Fuel Cell Catalyst. <i>Energy Technology</i> , 2018 , 6, 1003-1010	3.5	3
27	Self-Assembly-Cooperating in Situ Construction of MXene [†] TeO ₂ as Hybrid Membrane Coating for Durable and High-Performance Proton Exchange Membrane Fuel Cell. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 4269-4278	8.3	3
26	Rational design of perfluorinated sulfonic acid ionic sieve modified separator for high-performance Li-S battery. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 771-779	2.6	2
25	Sublayer-enhanced atomic sites of single atom catalysts through in situ atomization of metal oxide nanoparticles. <i>Energy and Environmental Science</i> ,	35.4	2

24	Al-substituted stable-layered P2-Na _{0.6} Li _{0.15} Al _{0.15} Mn _{0.7} O ₂ cathode for sodium ion batteries. <i>International Journal of Energy Research</i> , 2021 , 45, 11338-11345	4.5	2
23	A P2/P3 composite-layered cathode material with low-voltage decay for sodium-ion batteries. <i>Journal of Applied Electrochemistry</i> , 2021 , 51, 619-627	2.6	2
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