

Hong Zhu

List of Publications by Year in descending order

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142
papers

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citations

94269

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144
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times ranked

3230
citing authors

#	ARTICLE	IF	CITATIONS
1	Oriented molybdenum disulfide-silica/hydrogenated nitrile butadiene rubber composites: Effects of nanosheets on mechanical and dielectric properties. Chinese Journal of Aeronautics, 2023, 36, 413-422.	2.8	3
2	Comb-shaped SEBS-based anion exchange membranes with obvious microphase separation morphology. Electrochimica Acta, 2022, 403, 139500.	2.6	22
3	Impact of side-chains in poly(dibenzyl-co-terphenyl piperidinium) copolymers for anion exchange membrane fuel cells. Journal of Membrane Science, 2022, 644, 120109.	4.1	44
4	Cross-linked of poly(biphenyl pyridine) and poly(styrene- <i>b</i> -(ethylene-co-butylene)- <i>b</i> -styrene) grafted with double cations for anion exchange membrane. Electrochimica Acta, 2022, 405, 139770.	2.6	15
5	Reinforced poly(fluorenyl-co-terphenyl piperidinium) anion exchange membranes for fuel cells. Journal of Membrane Science, 2022, 644, 120160.	4.1	23
6	Ultra-robust polyimide nanofiber separators with shutdown function for advanced lithium-ion batteries. Journal of Membrane Science, 2022, 645, 120208.	4.1	21
7	Anion-conducting polyelectrolytes for energy devices. Trends in Chemistry, 2022, 4, 236-249.	4.4	34
8	Pyrene label used as a scale for sequence-controlled functionalized polymers. Polymer Chemistry, 2022, 13, 1274-1281.	1.9	2
9	Ionic liquid modified fct-PtCo/C@ILs as high activity and durability electrocatalyst for oxygen reduction reaction. International Journal of Hydrogen Energy, 2022, 47, 6312-6322.	3.8	10
10	Di-piperidinium-crosslinked poly(fluorenyl-co-terphenyl piperidinium)s for high-performance alkaline exchange membrane fuel cells. Journal of Materials Chemistry A, 2022, 10, 3678-3687.	5.2	45
11	Strategies for Improving Anion Exchange Membrane Fuel Cell Performance by Optimizing Electrode Conditions. Journal of the Electrochemical Society, 2022, 169, 014515.	1.3	7
12	Robust and durable poly(aryl-co-aryl piperidinium) reinforced membranes for alkaline membrane fuel cells. Journal of Materials Chemistry A, 2022, 10, 6587-6595.	5.2	27
13	Elucidating the role of alkyl chain in poly(aryl piperidinium) copolymers for anion exchange membrane fuel cells. Journal of Membrane Science, 2022, 647, 120341.	4.1	45
14	Density Functional Theory Study of the Oxygen Reduction Reaction Mechanism on Graphene Doped with Nitrogen and a Transition Metal. ACS Omega, 2022, 7, 7066-7073.	1.6	11
15	Poly(aryl piperidinium) anion exchange membranes with cationic extender sidechain for fuel cells. Journal of Membrane Science, 2022, 653, 120448.	4.1	20
16	Branched Poly(Aryl Piperidinium) Membranes for Anion-Exchange Membrane Fuel Cells. Angewandte Chemie, 2022, 134, .	1.6	3
17	Branched Poly(Aryl Piperidinium) Membranes for Anion-Exchange Membrane Fuel Cells. Angewandte Chemie - International Edition, 2022, 61, e202114892.	7.2	77
18	Homogeneous and Heterogeneous Pd-Catalyzed Selective C=P Activation and Transfer Hydrogenation for α -C-Group-Substitution-Synthesis of Trivalent Phosphines. Organic Letters, 2022, 24, 2868-2872.	2.4	11

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19	Partial leaching effect to Pt decorated Pd-Fe /C nanoparticles for oxygen reduction reaction. International Journal of Energy Research, 2021, 45, 6262-6272.	2.2	3
20	Preparation and study of spirocyclic cationic side chain functionalized polybiphenyl piperidine anion exchange membrane. Journal of Membrane Science, 2021, 620, 118919.	4.1	39
21	Poly(Alkyl-Terphenyl Piperidinium) Ionomers and Membranes with an Outstanding Alkaline Membrane Fuel Cell Performance of 2.58 W cm ⁻² . Angewandte Chemie - International Edition, 2021, 60, 7710-7718.	7.0	185
22	Development of a highly stable Pt-based ORR catalyst over Mn-modified polyaniline-based carbon nanofibers. New Journal of Chemistry, 2021, 45, 14608-14615.	1.4	12
23	Poly(Alkyl-Terphenyl Piperidinium) Ionomers and Membranes with an Outstanding Alkaline Membrane Fuel Cell Performance of 2.58 W cm ⁻² . Angewandte Chemie, 2021, 133, 7789-7797.	1.6	29
24	Anion exchange polyelectrolytes for membranes and ionomers. Progress in Polymer Science, 2021, 113, 101345.	11.8	264
25	Study on Catalytic Oxygen Reduction Performance of Mo-PtCu Octahedral Catalyst. Energy & Fuels, 2021, 35, 3368-3375.	2.5	10
26	Titelbild: Poly(Alkyl-Terphenyl Piperidinium) Ionomers and Membranes with an Outstanding Alkaline Membrane Fuel Cell Performance of 2.58 W cm ⁻² (Angew. Chem. 14/2021). Angewandte Chemie, 2021, 133, 8060-8060.	1.6	0
27	Zigzag PtCo nanowires modified in situ with Au atoms as efficient and durable electrocatalyst for oxygen reduction reaction. Journal of Power Sources, 2021, 489, 229425.	4.0	23
28	Surface Composition Engineering of PtCu Nanoframe Catalyst to Improve Electrochemical Stability for Oxygen Reduction Reaction. Journal of the Electrochemical Society, 2021, 168, 034507.	1.3	0
29	In Situ Reinforcing: ZrO ₂ -Armored Hybrid Polyimide Separators for Advanced and Safe Lithium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 6250-6257.	3.2	21
30	Poly(fluorenyl aryl piperidinium) membranes and ionomers for anion exchange membrane fuel cells. Nature Communications, 2021, 12, 2367.	5.8	193
31	High chemical stability anion exchange membrane based on poly(aryl piperidinium): Effect of monomer configuration on membrane properties. International Journal of Hydrogen Energy, 2021, 46, 18524-18533.	3.8	61
32	Carbon black modified with silver and low concentration of palladium as effective catalysts for electroreduction of oxygen in alkaline solutions. Reaction Kinetics, Mechanisms and Catalysis, 2021, 133, 455-465.	0.8	4
33	Palladium-Catalyzed C-P(III) Bond Formation by Coupling ArBr/ArOTf with Acylphosphines. Journal of Organic Chemistry, 2021, 86, 8987-8996.	1.7	11
34	Highly Stable and Conductive Multicationic Poly(biphenyl indole) with Extender Side Chains for Anion Exchange Membrane Fuel Cells. ACS Applied Energy Materials, 2021, 4, 6154-6165.	2.5	47
35	Insight into the Alkaline Stability of N-Heterocyclic Ammonium Groups for Anion Exchange Polyelectrolytes. Angewandte Chemie - International Edition, 2021, 60, 19272-19280.	7.2	85
36	Insight into the Alkaline Stability of N-Heterocyclic Ammonium Groups for Anion Exchange Polyelectrolytes. Angewandte Chemie, 2021, 133, 19421-19429.	1.6	15

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37	Theoretical Study of the Mechanism and Kinetics of the Oxidation of Cyclopenta[<i>a</i>]Naphthalenyl Radical C ₁₃ H ₉ with Molecular Oxygen. <i>Journal of Physical Chemistry A</i> , 2021, 125, 6796-6804.	1.1	3
38	Fully ordered L10-PtCoAu electrocatalyst derived from PtAu@CoO precursor with enhanced performance for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2021, 384, 138266.	2.6	12
39	Pt-Based Intermetallic Nanocrystals in Cathode Catalysts for Proton Exchange Membrane Fuel Cells: From Precise Synthesis to Oxygen Reduction Reaction Strategy. <i>Catalysts</i> , 2021, 11, 1050.	1.6	20
40	Self-assembled carbon nanofibers-silica nanocomposites for hydrogenated nitrile butadiene rubber reinforcement. <i>Polymer Composites</i> , 2021, 42, 5830-5838.	2.3	8
41	Synthesis of modified, ordered mesoporous carbon-supported Pt ₃ Cu catalyst for enhancing the oxygen reduction activity and durability. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 37802-37813.	3.8	13
42	Synthesis and characterization of a long side-chain double-cation crosslinked anion-exchange membrane based on poly(styrene- <i>b</i> -(ethylene-co-butylene)- <i>b</i> -styrene). <i>International Journal of Hydrogen Energy</i> , 2021, 46, 36301-36313.	3.8	20
43	High-performance poly(fluorenyl aryl piperidinium)-based anion exchange membrane fuel cells with realistic hydrogen supply. <i>Journal of Power Sources</i> , 2021, 512, 230474.	4.0	12
44	Chemically & physically stable crosslinked poly(aryl-co-aryl piperidinium)s for anion exchange membrane fuel cells. <i>Journal of Membrane Science</i> , 2021, 638, 119685.	4.1	57
45	High-performance anion exchange membrane water electrolyzers with a current density of 7.68 A cm ⁻² and a durability of 1000 hours. <i>Energy and Environmental Science</i> , 2021, 14, 6338-6348.	15.6	160
46	Multication Cross-Linked Poly(<i>p</i> -terphenyl isatin) Anion Exchange Membranes for Fuel Cells: Effect of Cross-Linker Length on Membrane Performance. <i>ACS Applied Energy Materials</i> , 2021, 4, 14476-14487.	2.5	28
47	In situ welding: Superb strength, good wettability and fire resistance tri-layer separator with shutdown function for high-safety lithium ion battery. <i>Journal of Membrane Science</i> , 2020, 595, 117509.	4.1	44
48	A mesoporous carbon-based catalyst derived from cobalt and boron co-doped melamine formaldehyde gel for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2020, 333, 135560.	2.6	12
49	Chemically stable poly(meta-terphenyl piperidinium) with highly conductive side chain for alkaline fuel cell membranes. <i>Journal of Membrane Science</i> , 2020, 598, 117797.	4.1	73
50	Preparation of dandelion-like Co-Mo-P/CNTs-Ni foam catalyst and its performance in hydrogen production by alcoholysis of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30443-30454.	3.8	30
51	Elastic and durable multi-cation-crosslinked anion exchange membrane based on poly(styrene- <i>b</i> -(ethylene-co-butylene)- <i>b</i> -styrene). <i>Journal of Polymer Science</i> , 2020, 58, 2181-2196.	2.5	34
52	Preparation of Bush-Like Ru/NiO-Ni Foam Catalyst and Its Performance in Hydrogen Production from Sodium Borohydride Alcoholysis. <i>Energy & Fuels</i> , 2020, 34, 11365-11372.	2.5	31
53	Surface modifications of Pt-based atomically ordered nanoparticles to improve catalytic performances for oxygen reduction reaction. <i>Progress in Natural Science: Materials International</i> , 2020, 30, 890-895.	1.8	14
54	N-spirocyclic ammonium-functionalized graphene oxide-based anion exchange membrane for fuel cells. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 19778-19790.	3.8	31

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55	Fabrication of Ultrahigh-Strength Polybenzimidazole Fibers via a Novel and Green Integrated Liquid Crystal Spinning Process. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900717.	1.7	5
56	Chemically Ordered Pt-Co-Cu/C as Excellent Electrochemical Catalyst for Oxygen Reduction Reaction. <i>Journal of the Electrochemical Society</i> , 2020, 167, 024507.	1.3	11
57	Impact of CuFe bimetallic core on the electrocatalytic activity and stability of Pt shell for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2020, 350, 136205.	2.6	11
58	Synthesis of H ₂ O ₂ -CTAB dual-modified carbon black-supported Pt ₃ Ni to improve catalytic activity for ORR. <i>Journal of Materials Science</i> , 2020, 55, 11241-11252.	1.7	8
59	Pt-based trimetallic nanocrystals with high proportions of M (M=Fe, Ni) metals for catalyzing oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 16039-16048.	3.8	17
60	Nickel-introduced structurally ordered PtCuNi/C as high performance electrocatalyst for oxygen reduction reaction. <i>Progress in Natural Science: Materials International</i> , 2020, 30, 905-911.	1.8	11
61	Controllable physical-crosslinking poly(arylene 6-azaspiro[5.5] undecanium) for long-lifetime anion exchange membrane applications. <i>Journal of Membrane Science</i> , 2019, 590, 117307.	4.1	52
62	Two-dimensional layered double hydroxides nanoplatelets assembled in situ on SiO ₂ nanoparticles for high-performing hydrogenated nitrile butadiene rubber. <i>Composites Science and Technology</i> , 2019, 182, 107742.	3.8	22
63	Synthesis and electrocatalytic performance of a P-Mo-V Keggin heteropolyacid modified Ag@Pt/MWCNTs catalyst for oxygen reduction in proton exchange membrane fuel cell. <i>Ionics</i> , 2019, 25, 5141-5152.	1.2	9
64	The preparation and performance of a novel spherical spider web-like structure Ru Ni / Ni foam catalyst for NaBH ₄ methanolysis. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13185-13194.	3.8	64
65	Tunable multi-cations-crosslinked poly(arylene piperidinium)-based alkaline membranes with high ion conductivity and durability. <i>Journal of Membrane Science</i> , 2019, 588, 117120.	4.1	87
66	High-Performance Ordered PdCuFe/C Intermetallic Catalyst for Electrochemical Oxygen Reduction in Proton Exchange Membrane Fuel Cells. <i>ChemElectroChem</i> , 2019, 6, 3065-3070.	1.7	14
67	Electric-field-aligned functionalized-layered double hydroxide/polyphenyl ether composite membrane for ion transport. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13852-13863.	3.8	17
68	Highly alkaline stable anion exchange membranes from nonplanar polybenzimidazole with steric hindrance backbone. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1087-1096.	2.5	14
69	The remarkably improved filler dispersion and performance of SSBR/BR by core-shell structure SiO ₂ @LDH nanocomposites. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	5
70	Preparation and performance of novel tetraphenylphosphonium-functionalized polyphosphazene membranes for alkaline fuel cells. <i>European Polymer Journal</i> , 2019, 114, 109-117.	2.6	21
71	The design of a multifunctional separator regulating the lithium ion flux for advanced lithium-ion batteries. <i>RSC Advances</i> , 2019, 9, 40084-40091.	1.7	16
72	Robust poly(aryl piperidinium)/N-spirocyclic poly(2,6-dimethyl-1,4-phenyl) for hydroxide-exchange membranes. <i>Journal of Membrane Science</i> , 2019, 572, 246-254.	4.1	41

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73	Ultrastable and High Ion-Conducting Polyelectrolyte Based on Six-Membered N-Spirocyclic Ammonium for Hydroxide Exchange Membrane Fuel Cell Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15720-15732.	4.0	115
74	High-performing multi-walled carbon nanotubes/silica nanocomposites for elastomer application. <i>Composites Science and Technology</i> , 2018, 162, 23-32.	3.8	45
75	Co-P nanoparticles supported on dandelion-like CNTs-Ni foam composite carrier as a novel catalyst for hydrogen generation from NaBH ₄ methanolysis. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 8805-8814.	3.8	87
76	Highly dispersed RuCo bimetallic nanoparticles supported on carbon black: enhanced catalytic activity for hydrogen generation from NaBH ₄ methanolysis. <i>Journal of Materials Science</i> , 2018, 53, 6831-6841.	1.7	69
77	In situ assembly of SiO ₂ nanodots/layered double hydroxide nanocomposite for the reinforcement of solution-polymerized butadiene styrene rubber/butadiene rubber. <i>Composites Science and Technology</i> , 2018, 158, 9-18.	3.8	61
78	Montmorilloniteâ€“Polybenzimidazole Inorganic-Organic Composite Membrane with Electric Field-Aligned Proton Transport Channel for High Temperature Proton Exchange Membranes. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 1752-1759.	1.9	8
79	High-performance layered double hydroxide/poly(2,6-dimethyl-1,4-phenylene oxide) membrane with porous sandwich structure for anion exchange membrane fuel cell applications. <i>Journal of Membrane Science</i> , 2018, 552, 51-60.	4.1	79
80	A hamburger-structure imidazolium-modified silica/polyphenyl ether composite membrane with enhancing comprehensive performance for anion exchange membrane applications. <i>Electrochimica Acta</i> , 2018, 268, 295-303.	2.6	33
81	Composite Electrocatalyst Derived from Hybrid Nitrogenâ€“Containing Metal Organic Frameworks and gâ€“C₃N₄ Encapsulated Inâ€“Situ into Porous Carbon Aerogels. <i>ChemElectroChem</i> , 2018, 5, 2126-2134.	1.7	7
82	Three-Decker Strategy Based on Multifunctional Layered Double Hydroxide to Realize High-Performance Hydroxide Exchange Membranes for Fuel Cell Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18246-18256.	4.0	29
83	Chitosan-Modified Poly(2,6-dimethyl-1,4-phenylene Oxide) for Anion-Exchange Membrane in Fuel Cell Technology. <i>Polymer-Plastics Technology and Engineering</i> , 2018, 57, 1121-1130.	1.9	4
84	Magnetic field-oriented ferroferric oxide/poly(2,6-dimethyl-1,4-phenylene oxide) hybrid membranes for anion exchange membrane applications. <i>Nanoscale</i> , 2018, 10, 18680-18689.	2.8	29
85	Crosslinked poly (2,6-dimethyl-1,4-phenylene oxide) polyelectrolyte enhanced with poly (styrene-b-(ethylene-co-butylene)-b-styrene) for anion exchange membrane applications. <i>Journal of Membrane Science</i> , 2018, 564, 492-500.	4.1	56
86	Scalable Preparation of the Chemically Ordered Ptâ€“Feâ€“Au Nanocatalysts with High Catalytic Reactivity and Stability for Oxygen Reduction Reactions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22156-22166.	4.0	54
87	Improved dielectric properties and energy storage density of poly(vinylidene fluoride)/polythiourea. <i>Journal of Materials Science</i> , 2017, 52, 5048-5059.	1.7	46
88	A Nonâ€“Preciousâ€“Metal Catalyst Derived from a Cp₂â€“Co⁺â€“PBI Composite for Cathodic Oxygen Reduction under Both Acidic and Alkaline Conditions. <i>ChemElectroChem</i> , 2017, 4, 1117-1123.	1.7	3
89	Highly porous composite based on tungsten carbide and N-doped carbon aerogels for electrocatalyzing oxygen reduction reaction in acidic and alkaline media. <i>Electrochimica Acta</i> , 2017, 236, 154-160.	2.6	36
90	Surface tuning of carbon supported chemically ordered nanoparticles for promoting their catalysis toward the oxygen reduction reaction. <i>Electrochimica Acta</i> , 2017, 246, 671-679.	2.6	17

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91	Carbon supported chemically ordered nanoparticles with stable Pt shell and their superior catalysis toward the oxygen reduction reaction. <i>Electrochimica Acta</i> , 2017, 245, 924-933.	2.6	39
92	Pt-Co deposited on polyaniline-modified carbon for the electro-reduction of oxygen: the interaction between Pt-Co nanoparticles and polyaniline. <i>New Journal of Chemistry</i> , 2017, 41, 6585-6592.	1.4	16
93	Cobaltocenium-containing polybenzimidazole polymers for alkaline anion exchange membrane applications. <i>Polymer Chemistry</i> , 2017, 8, 1381-1392.	1.9	95
94	A melamine formaldehydesin route to in situ encapsulate Co ₂ O ₃ into carbon black for enhanced oxygen reduction in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 25960-25968.	3.8	13
95	Enhanced performance of ionic-liquid-coated silica/quaternized poly(2,6-dimethyl-1,4-phenylene oxide) composite membrane for anion exchange membrane fuel cells. <i>Electrochimica Acta</i> , 2017, 258, 124-133.	2.6	50
96	Poly tris (1-imidazolyl) benzene ionic liquids/Poly (2,6-dimethyl phenylene oxide) composite membranes for anion exchange membrane fuel cells. <i>Journal of Materials Science</i> , 2017, 52, 11109-11119.	1.7	17
97	All-organic Poly(butyl methacrylate)/Poly(vinylidene fluoride-trifluoroethylene) Dielectric Composites with Higher Permittivity and Low Dielectric Loss for Energy Storage Application. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 526-534.	1.9	7
98	Preparation and characterization of cross-linked polyphosphazene-crown ether membranes for alkaline fuel cells. <i>Electrochimica Acta</i> , 2017, 258, 311-321.	2.6	33
99	A Novel Metal-Organic Framework Route to Embed Co Nanoparticles into Multi-Walled Carbon Nanotubes for Effective Oxygen Reduction in Alkaline Media. <i>Catalysts</i> , 2017, 7, 364.	1.6	5
100	A new method for improving the conductivity of alkaline membrane by incorporating TiO ₂ - ionic liquid composite particles. <i>Electrochimica Acta</i> , 2017, 255, 335-346.	2.6	22
101	Enhanced dielectric properties of polyvinylidene fluoride with addition of SnO ₂ nanoparticles. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 10, 753-756.	1.2	9
102	A new method for improving the ion conductivity of anion exchange membranes by using TiO ₂ nanoparticles coated with ionic liquid. <i>RSC Advances</i> , 2016, 6, 96768-96777.	1.7	23
103	The effect of minerals on the pyrolysis and the combustion of oil shale. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016, 38, 2963-2970.	1.2	6
104	Electrorheological effect induced quaternized poly(2,6-dimethyl phenylene oxide)-layered double hydroxide composite membranes for anion exchange membrane fuel cells. <i>RSC Advances</i> , 2016, 6, 85486-85494.	1.7	15
105	Copolymerization of 4-(3,4-diamino-phenoxy)-benzoic acid and 3,4-diaminobenzoic acid towards H ₃ PO ₄ -doped PBI membranes for proton conductor with better processability. <i>European Polymer Journal</i> , 2016, 85, 175-186.	2.6	13
106	Synthesis and electrocatalytic performance of phosphotungstic acid-modified Ag@Pt/MWCNTs catalysts for oxygen reduction reaction. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 917-928.	1.5	12
107	Influence of shell thickness on the dielectric properties of composites filled with Ag@SiO ₂ nanoparticles. <i>RSC Advances</i> , 2016, 6, 64634-64639.	1.7	15
108	Novel anti-oxidative membranes based on sulfide-containing polybenzimidazole for high temperature proton exchange membrane fuel cells. <i>European Polymer Journal</i> , 2016, 74, 168-179.	2.6	28

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109	Study on Ultrasonic Single-Step Synthesis and Optical Properties of Nitrogen-Doped Carbon Fluorescent Quantum Dots. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 769-776.	1.0	33
110	Hollow core-shell-structured Si-C composites as high-performance anodes for lithium-ion batteries. Materials Letters, 2015, 161, 89-92.	1.3	13
111	Montmorillonite Modified by Cationic and Nonionic Surfactants as High-Performance Fluid-Loss-Control Additive in Oil-Based Drilling Fluids. Journal of Dispersion Science and Technology, 2015, 36, 569-576.	1.3	30
112	Graphite oxide/functionalized graphene oxide and polybenzimidazole composite membranes for high temperature proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2014, 39, 7931-7939.	3.8	96
113	Synthesis and high-rate performance of spinel Li ₄ Ti ₅ O ₁₂ with core-shell hierarchical macro-mesoporous structure. New Journal of Chemistry, 2014, 38, 1173.	1.4	12
114	Synthesis and electrocatalytic performance of MnO ₂ -promoted Ag@Pt/MWCNT electrocatalysts for oxygen reduction reaction. Journal of Materials Chemistry A, 2014, 2, 5371-5378.	5.2	36
115	Layered double hydroxide-polyphosphazene-based ionomer hybrid membranes with electric field-aligned domains for hydroxide transport. Journal of Materials Chemistry A, 2014, 2, 8376.	5.2	44
116	Gram-level synthesis of core-shell structured catalysts for the oxygen reduction reaction in proton exchange membrane fuel cells. Journal of Power Sources, 2014, 270, 34-41.	4.0	31
117	Facile fabrication of yolk-shell structured porous Si-C microspheres as effective anode materials for Li-ion batteries. RSC Advances, 2014, 4, 71-75.	1.7	85
118	Polybenzimidazole containing ether units as electrolyte for high temperature proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2013, 38, 6494-6502.	3.8	51
119	Effect of calcination temperature of TiO ₂ on the crystallinity and the permittivity of PVDF-TrFE/TiO ₂ composites. Journal of Applied Polymer Science, 2013, 129, 296-300.	1.3	29
120	Combined method to prepare core-shell structured catalyst for proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2013, 38, 3323-3329.	3.8	37
121	MICROWAVE ABSORBING PROPERTIES OF CO/REDUCED GRAPHENE OXIDE IN KU-BAND. Functional Materials Letters, 2013, 06, 1350042.	0.7	1
122	Dielectric properties of Ag@C/PVDF composites. Journal of Applied Polymer Science, 2013, 129, 3411-3416.	1.3	38
123	Synthesis and characterization of poly(vinylidene-trifluoroethylene)/Ni ₅ TiO ₂ . Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 570-573.	0.8	11
124	Synthesis and electrocatalytic performance of MWCNT-supported Ag@Pt core-shell nanoparticles for ORR. International Journal of Hydrogen Energy, 2012, 37, 13365-13370.	3.8	63
125	Effect of TiO ₂ crystalline composition on the dielectric properties of TiO ₂ /P(VDF-TrFE) composites. Physica Status Solidi - Rapid Research Letters, 2012, 6, 352-354.	1.2	11
126	Preparation of chitosan-based flocculant for high density waste drilling mud solid-liquid separation. Journal of Applied Polymer Science, 2012, 125, 2646-2651.	1.3	14

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127	Methanol-tolerant carbon aerogel-supported Pt-Au catalysts for direct methanol fuel cell. International Journal of Hydrogen Energy, 2012, 37, 873-876.	3.8	26
128	Synthesis and characterization of novel nanocomposite membrane of sodium titanate/Nafion®. Materials Letters, 2011, 65, 1684-1687.	1.3	15
129	Sulfated SnO ₂ modified multi-walled carbon nanotubes - A mixed proton-electron conducting support for Pt catalysts in direct ethanol fuel cells. Journal of Power Sources, 2011, 196, 3048-3053.	4.0	29
130	Microwave-assisted synthesis of high-loading, highly dispersed Pt/carbon aerogel catalyst for direct methanol fuel cell. Bulletin of Materials Science, 2011, 34, 577-581.	0.8	9
131	Synthesis and characterization of Pt-MoO _x -TiO ₂ electrodes for direct ethanol fuel cells. International Journal of Minerals, Metallurgy and Materials, 2011, 18, 594-599.	2.4	5
132	Preparation of a new inorganic-organic composite flocculant used in solid-liquid separation for waste drilling fluid. Chemical Engineering Journal, 2011, 171, 350-356.	6.6	72
133	A novel membrane for DMFC - Na ₂ Ti ₃ O ₇ nanotubes/Nafion® composite membrane. International Journal of Hydrogen Energy, 2011, 36, 5088-5095.	3.8	24
134	Synthesis and characterization of Cu@Pt/C core-shell structured catalysts for proton exchange membrane fuel cell. International Journal of Hydrogen Energy, 2011, 36, 9151-9154.	3.8	90
135	Preparation of Nano-Modified Polyacrylamide and Its Application on Solid-Liquid Separation in Waste Drilling Mud. Advances in Chemical Engineering and Science, 2011, 01, 33-36.	0.2	5
136	Synthesis and Photoelectric Property of Poly(3-Octylthiophene)/Titanium Dioxide Hybrid. Journal of Inorganic and Organometallic Polymers and Materials, 2010, 20, 32-37.	1.9	15
137	Synthesis and Application in Solar Cell of Poly (3-Decylthiophene)/Titanium Dioxide Hybrid. Journal of Inorganic and Organometallic Polymers and Materials, 2010, 20, 649-656.	1.9	8
138	Synthesis and photoelectric property of poly(3-octylthiophene)/ferric oxide complexes. Journal of Materials Science, 2010, 45, 3866-3873.	1.7	10
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