

Constructing ionic highway in alkaline polymer electro

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Highly Stable Alkaline Polymer Electrolyte Based on a Poly(ether ether ketone) Backbone. ACS Applied Materials & Interfaces, 2013, 5, 13405-13411.	4.0	91
2	Simple and facile synthesis of water-soluble poly(phosphazene) polymer electrolytes. RSC Advances, 2014, 4, 61869-61876.	1.7	9
3	Ion Distribution in Quaternary Ammonium Functionalized Aromatic Polymers: Effects on the Ionic Clustering and Conductivity of Anion Exchange Membranes. ChemSusChem, 2014, 7, 2621-2630.	3.6	82
4	A Gemini Quaternary Ammonium Poly (ether ether ketone) Anion Exchange Membrane for Alkaline Fuel Cell: Design, Synthesis, and Properties. ChemSusChem, 2014, 7, 3389-3395.	3.6	65
5	International experts meet in Germany to discuss trends in anion exchange membranes. Fuel Cells Bulletin, 2014, 2014, 12-15.	0.7	1
6	Facilitating hydroxide transport in anion exchange membranes via hydrophilic grafts. Journal of Materials Chemistry A, 2014, 2, 16489-16497.	5.2	53
7	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
8	Hydroxide-conducting polymer electrolyte membranes from aromatic ABA triblock copolymers. Polymer Chemistry, 2014, 5, 2208.	1.9	62
9	A green approach for preparing anion exchange membrane based on cardo polyetherketone powders. Journal of Power Sources, 2014, 272, 211-217.	4.0	13
10	Anion-exchange membranes in electrochemical energy systems. Energy and Environmental Science, 2014, 7, 3135-3191.	15.6	1,617
11	Preparation and characterization of directional conducting and lower methanol permeable ultrathin membrane based on poly (vinyl alcohol) and imidazolium compounds. International Journal of Hydrogen Energy, 2014, 39, 17191-17200.	3.8	7
12	Constructing pendent imidazolium-based poly(phenylene oxide)s for anion exchange membranes using a click reaction. RSC Advances, 2015, 5, 93415-93422.	1.7	29
13	A Novel Methodology to Synthesize Highly Conductive Anion Exchange Membranes. Scientific Reports, 2015, 5, 13417.	1.6	74
14	Nanostructured Ion Exchange Membranes for Fuel Cells: Recent Advances and Perspectives. Advanced Materials, 2015, 27, 5280-5295.	11.1	335
15	Anion Exchange Membranes for Fuel Cells: Synthesis Strategies, Properties and Perspectives. Fuel Cells, 2015, 15, 761-780.	1.5	83
16	Ionic Liquids and Polymers in Energy. , 2015, , 199-229.		2
17	Anion conducting multiblock poly(arylene ether sulfone)s containing hydrophilic segments densely functionalized with quaternary ammonium groups. Polymer Chemistry, 2015, 6, 1986-1996.	1.9	80
18	An Effective Approach for Alleviating Cation-Induced Backbone Degradation in Aromatic Ether-Based Alkaline Polymer Electrolytes. ACS Applied Materials & Interfaces, 2015, 7, 2809-2816.	4.0	79

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19	Polysulfones with highly localized imidazolium groups for anion exchange membranes. <i>Journal of Membrane Science</i> , 2015, 481, 164-171.	4.1	84
20	Poly(phenylene oxide) functionalized with quaternary ammonium groups via flexible alkyl spacers for high-performance anion exchange membranes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5280-5284.	5.2	247
21	1,2-Dimethylimidazolium-functionalized cross-linked alkaline anion exchange membranes for alkaline direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2363-2370.	3.8	34
22	Polybenzimidazole-crosslinked poly(vinylbenzyl chloride) with quaternary 1,4-diazabicyclo (2.2.2) octane groups as high-performance anion exchange membrane for fuel cells. <i>Journal of Power Sources</i> , 2015, 296, 204-214.	4.0	97
23	A strategy to construct alkali-stable anion exchange membranes bearing ammonium groups via flexible spacers. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15015-15019.	5.2	95
24	Synthesis and characterization of novel anion exchange membranes containing bi-imidazolium-based ionic liquid for alkaline fuel cells. <i>Solid State Ionics</i> , 2015, 278, 144-151.	1.3	22
25	Comparison of alkaline stability of quaternary ammonium- and 1,2-methylimidazolium-based alkaline anion exchange membranes. <i>Journal of Membrane Science</i> , 2015, 487, 12-18.	4.1	38
26	Mechanically Stable Poly(arylene ether) Anion Exchange Membranes Prepared from Commercially Available Polymers for Alkaline Electrochemical Devices. <i>Journal of the Electrochemical Society</i> , 2015, 162, F686-F693.	1.3	51
27	Permethyl Cobaltocenium (Cp* ₂ Co ⁺) as an Ultra-Stable Cation for Polymer Hydroxide-Exchange Membranes. <i>Scientific Reports</i> , 2015, 5, 11668.	1.6	111
28	Carbonation effects on the performance of alkaline polymer electrolyte fuel cells. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 6655-6660.	3.8	42
29	Nitrogen-doped Carbon Nanotube Aerogels for High-performance ORR Catalysts. <i>Small</i> , 2015, 11, 3903-3908.	5.2	96
30	Preparing alkaline anion exchange membrane with enhanced hydroxide conductivity via blending imidazolium-functionalized and sulfonated poly(ether ether ketone). <i>Journal of Power Sources</i> , 2015, 288, 384-392.	4.0	93
31	Poly(arylene ether ketone) carrying hyperquaternized pendants: Preparation, stability and conductivity. <i>Journal of Power Sources</i> , 2015, 287, 439-447.	4.0	46
32	Effect of different ion-aggregating structures on the property of proton conducting membrane based on polyvinyl alcohol. <i>Journal of Membrane Science</i> , 2015, 490, 38-45.	4.1	10
33	A Semi-interpenetrating Network Approach for Dimensionally Stabilizing Highly-charged Anion Exchange Membranes for Alkaline Fuel Cells. <i>ChemSusChem</i> , 2015, 8, 1472-1483.	3.6	40
34	Comb-shaped alkyl imidazolium-functionalized poly(arylene ether sulfone)s as high performance anion-exchange membranes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8571-8580.	5.2	88
35	Anisotropic radio-chemically pore-filled anion exchange membranes for solid alkaline fuel cell (SAFC). <i>Journal of Membrane Science</i> , 2015, 495, 206-215.	4.1	26
36	Aminothiazole-derived N,S,Fe-doped graphene nanosheets as high performance electrocatalysts for oxygen reduction. <i>Chemical Communications</i> , 2015, 51, 17092-17095.	2.2	85

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37	Mechanically Tough and Chemically Stable Anion Exchange Membranes from Rigid-Flexible Semi-Interpenetrating Networks. <i>Chemistry of Materials</i> , 2015, 27, 6689-6698.	3.2	149
38	The stability of poly(2,2â€²-(m-phenylene)-5,5â€²-bibenzimidazole) membranes in aqueous potassium hydroxide. <i>Journal of Membrane Science</i> , 2015, 492, 422-429.	4.1	40
39	Electrospun nanofiber enhanced imidazolium-functionalized polysulfone composite anion exchange membranes. <i>RSC Advances</i> , 2015, 5, 95118-95125.	1.7	30
40	Numerical and Experimental Analyses on Deviated Concentration Loss with Alkaline Anion-Exchange Membrane Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24276-24281.	1.5	22
41	Polymeric Ion Gels: Preparation Methods, Characterization, and Applications. , 2015, , 283-315.		4
42	Exploring Different Cationic Alkyl Side Chain Designs for Enhanced Alkaline Stability and Hydroxide Ion Conductivity of Anion-Exchange Membranes. <i>Macromolecules</i> , 2015, 48, 5742-5751.	2.2	244
43	A self-humidifying acidicâ€”alkaline bipolar membrane fuel cell. <i>Journal of Power Sources</i> , 2015, 299, 273-279.	4.0	43
44	Ptâ€”Ru catalyzed hydrogen oxidation in alkaline media: oxophilic effect or electronic effect?. <i>Energy and Environmental Science</i> , 2015, 8, 177-181.	15.6	418
45	Configuring Anionâ€”Exchange Membranes for High Conductivity and Alkaline Stability by Using Cationic Polymers with Tailored Side Chains. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 1108-1118.	1.1	82
46	Alkaline Anionâ€”Exchange Membranes Containing Mobile Ion Shuttles. <i>Advanced Materials</i> , 2016, 28, 3467-3472.	11.1	98
47	Self-cross-linked quaternary phosphonium based anion exchange membranes: assessing the influence of quaternary phosphonium groups on alkaline stability. <i>RSC Advances</i> , 2016, 6, 114329-114343.	1.7	16
48	Constructing a rigid crosslinked structure for enhanced conductivity of imidazolium functionalized polysulfone hydroxide exchange membrane. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10923-10934.	3.8	36
49	Tri-quaternized poly (ether sulfone) anion exchange membranes with improved hydroxide conductivity. <i>Journal of Membrane Science</i> , 2016, 514, 613-621.	4.1	56
50	Multi-block copolymers with fluorene-containing hydrophilic segments densely functionalized by side-chain quaternary ammonium groups as anion exchange membranes. <i>RSC Advances</i> , 2016, 6, 41453-41464.	1.7	13
51	Plasma-grafted anion-exchange membrane preparation and process analysis. <i>Electrochimica Acta</i> , 2016, 204, 218-226.	2.6	20
52	Anion conducting multiblock copolymer membranes with partial fluorination and long head-group tethers. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16233-16244.	5.2	69
53	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
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55	Highly Conductive Anion-Exchange Membranes from Microporous Tröger's Base Polymers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11499-11502.	7.2	206
56	Anion-conducting polysulfone membranes containing hexa-imidazolium functionalized biphenyl units. <i>Journal of Membrane Science</i> , 2016, 520, 425-433.	4.1	25
57	Anion exchange membranes with well-defined ion transporting nanochannels via self-assembly of polymerizable ionic liquids. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13316-13323.	5.2	21
58	Fabrication of a polymer electrolyte membrane with uneven side chains for enhancing proton conductivity. <i>RSC Advances</i> , 2016, 6, 79593-79601.	1.7	20
59	Highly Conductive Anion-Exchange Membranes from Microporous Tröger's Base Polymers. <i>Angewandte Chemie</i> , 2016, 128, 11671-11674.	1.6	47
60	Hyper-branched anion exchange membranes with high conductivity and chemical stability. <i>Chemical Communications</i> , 2016, 52, 10141-10143.	2.2	55
61	Effect of grafting density of the side chain on the microstructure and properties of proton exchange membranes based on polyvinyl alcohol and poly(ionic liquid). <i>RSC Advances</i> , 2016, 6, 58890-58897.	1.7	7
62	Poly(2,6-dimethyl-1,4-phenylene oxide) containing imidazolium-terminated long side chains as hydroxide exchange membranes with improved conductivity. <i>Journal of Membrane Science</i> , 2016, 518, 159-167.	4.1	48
63	Wittig reaction constructed an alkaline stable anion exchange membrane. <i>Journal of Membrane Science</i> , 2016, 518, 282-288.	4.1	40
64	A Novel Cathode Architecture Using Ordered Pt Nanostructure Thin Film for AAEMFC Application. <i>Electrochimica Acta</i> , 2016, 220, 67-74.	2.6	5
65	On the Design of a Comb-Shaped, Poly(phenylene oxide)-Based Anodic Binder for Anion-Exchange Membrane Direct Methanol Fuel Cell (AEM-DMFC). <i>ECS Transactions</i> , 2016, 75, 1041-1054.	0.3	0
66	Long-spacer-chain imidazolium functionalized poly(ether ether ketone) as hydroxide exchange membrane for fuel cell. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14982-14990.	3.8	40
67	Preparation and investigation of various imidazolium-functionalized poly(2,6-dimethyl-1,4-phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.5	65
68	Dual-cation comb-shaped anion exchange membranes: Structure, morphology and properties. <i>Journal of Membrane Science</i> , 2016, 515, 189-195.	4.1	72
69	Alkali-stable and highly anion conducting poly(phenylene oxide)s carrying quaternary piperidinium cations. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11924-11938.	5.2	126
70	Constructing efficient ion nanochannels in alkaline anion exchange membranes by the in situ assembly of a poly(ionic liquid) in metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2340-2348.	5.2	113
71	Hydroxide Solvation and Transport in Anion Exchange Membranes. <i>Journal of the American Chemical Society</i> , 2016, 138, 991-1000.	6.6	208
72	Molecular Origins of Polymer-Coupled Helical Motion of Ions in a Crystalline Polymer Electrolyte. <i>Macromolecules</i> , 2016, 49, 700-707.	2.2	16

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74	A facile functionalized routine for the synthesis of imidazolium-based anion-exchange membrane with excellent alkaline stability. <i>Journal of Membrane Science</i> , 2016, 505, 138-147.	4.1	63
75	Phenolate anion-based branched/cross-linked poly (arylene ether sulfone) hydroxide exchange membranes. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5765-5775.	3.8	19
76	Effect of the bis-imidazolium-based poly(ionic liquid) on the microstructure and the properties of AAEMs based on polyvinyl alcohol. <i>RSC Advances</i> , 2016, 6, 25311-25318.	1.7	16
77	Varying the microphase separation patterns of alkaline polymer electrolytes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4071-4081.	5.2	61
78	Highly stable poly(ethylene glycol)-grafted alkaline anion exchange membranes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3886-3892.	5.2	60
79	Multication Side Chain Anion Exchange Membranes. <i>Macromolecules</i> , 2016, 49, 815-824.	2.2	303
80	The control and optimization of macro/micro-structure of ion conductive membranes for energy conversion and storage. <i>Chinese Journal of Chemical Engineering</i> , 2016, 24, 558-571.	1.7	19
81	Photo-Cross-Linked Anion Exchange Membranes with Improved Water Management and Conductivity. <i>Macromolecules</i> , 2016, 49, 153-161.	2.2	68
82	An effective strategy to increase hydroxide-ion conductivity through microphase separation induced by hydrophobic-side chains. <i>Journal of Power Sources</i> , 2016, 303, 354-362.	4.0	50
83	In situ construction of interconnected ion transfer channels in anion-exchange membranes for fuel cell application. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4003-4010.	5.2	36
84	Comb-shaped guanidinium functionalized poly(ether sulfone)s for anion exchange membranes: Effects of the spacer types and lengths. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1313-1321.	2.5	48
85	Interconnected ionic domains enhance conductivity in microphase separated block copolymer electrolytes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5619-5629.	5.2	50
86	Adamantammonium as a novel functional group for anion exchange membranes with excellent comprehensive performances. <i>Polymer</i> , 2017, 112, 288-296.	1.8	15
87	Ionic crosslinking of imidazolium functionalized poly(aryl ether ketone) by sulfonated poly(ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 333-342.	5.0	51
88	Mechanically Robust Anion Exchange Membranes via Long Hydrophilic Cross-Linkers. <i>Macromolecules</i> , 2017, 50, 2329-2337.	2.2	103
89	One-pot Synthesis of Chloromethylated Mesoporous Silica Nanoparticles as Multifunctional Fillers in Hybrid Anion Exchange Membranes. <i>Chinese Journal of Chemistry</i> , 2017, 35, 673-680.	2.6	4
90	A general strategy to enhance the alkaline stability of anion exchange membranes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6318-6327.	5.2	55

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91	Highly anion conductive, alkyl-chain-grafted copolymers as anion exchange membranes for operable alkaline H ₂ /O ₂ fuel cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10301-10310.	5.2	90
92	Poly(terphenylene) Anion Exchange Membranes: The Effect of Backbone Structure on Morphology and Membrane Property. <i>ACS Macro Letters</i> , 2017, 6, 566-570.	2.3	213
93	Cross-linked poly(arylene ether sulfone)s with side-chain aromatic benzyltrimethyl ammonium for anion-exchange membranes. <i>Polymer Bulletin</i> , 2017, 74, 4329-4348.	1.7	3
94	Highly conductive and durable poly(arylene ether sulfone) anion exchange membrane with end-group cross-linking. <i>Energy and Environmental Science</i> , 2017, 10, 275-285.	15.6	255
95	Click mediated high-performance anion exchange membranes with improved water uptake. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1022-1027.	5.2	39
96	A facile functionalized routine for the synthesis of side-chain sulfonated poly(arylene ether ketone) Tj ETQq1 1 0.784314 rgBT /Overlock	3.8	26
97	A novel cathode architecture using Cu nanoneedle arrays as the cathode support for AAEMFC application. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14794-14800.	5.2	5
98	Development of acid block anion exchange membrane by structure design and its possible application in waste acid recovery. <i>Separation and Purification Technology</i> , 2017, 186, 188-196.	3.9	32
99	Molecular dynamics simulation of the functional group effect in hydrocarbon anionic exchange membranes. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 20895-20903.	3.8	34
100	Facile synthesis and the properties of novel cardo poly(arylene ether sulfone)s with pendent cycloaminium side chains as anion exchange membranes. <i>Polymer Chemistry</i> , 2017, 8, 4207-4219.	1.9	45
101	Cationic Side-Chain Attachment to Poly(Phenylene Oxide) Backbones for Chemically Stable and Conductive Anion Exchange Membranes. <i>Chemistry of Materials</i> , 2017, 29, 5321-5330.	3.2	133
102	Membranes for artificial photosynthesis. <i>Energy and Environmental Science</i> , 2017, 10, 1320-1338.	15.6	65
103	Synthesis and properties of poly(arylene ether sulfone) anion exchange membranes with pendant benzyl-quaternary ammonium groups. <i>Polymer</i> , 2017, 121, 137-148.	1.8	21
104	Parameterization of a coarse-grained model with short-ranged interactions for modeling fuel cell membranes with controlled water uptake. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17698-17707.	1.3	20
105	Preparation and characterization of click-driven N-vinylcarbazole-based anion exchange membranes with improved water uptake for fuel cells. <i>RSC Advances</i> , 2017, 7, 29794-29805.	1.7	18
106	Highly efficient Fe/N/C catalyst using adenosine as C/N-source for APEFC. <i>Journal of Energy Chemistry</i> , 2017, 26, 616-621.	7.1	10
107	Imidazolium-functionalized anion exchange membranes using poly(ether sulfone)s as macrocrosslinkers for fuel cells. <i>RSC Advances</i> , 2017, 7, 27342-27353.	1.7	24
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109	Elastic Long-Chain Multication Cross-Linked Anion Exchange Membranes. <i>Macromolecules</i> , 2017, 50, 3323-3332.	2.2	159
110	A comb-like ionomer based on poly(2,6-dimethyl-1,4-phenylene oxide) for the use as anodic binder in anion-exchange membrane direct methanol fuel cells. <i>Solid State Ionics</i> , 2017, 303, 1-11.	1.3	7
111	High performance anion exchange ionomer for anion exchange membrane fuel cells. <i>RSC Advances</i> , 2017, 7, 19153-19161.	1.7	61
112	Cobaltocenium-containing polybenzimidazole polymers for alkaline anion exchange membrane applications. <i>Polymer Chemistry</i> , 2017, 8, 1381-1392.	1.9	95
113	A robust pendant-type cross-linked anion exchange membrane (AEM) with high hydroxide conductivity at a moderate IEC value. <i>Journal of Materials Science</i> , 2017, 52, 3946-3958.	1.7	10
114	The facile construction of an anion exchange membrane with 3D interconnected ionic nano-channels. <i>Chemical Communications</i> , 2017, 53, 767-770.	2.2	14
115	Anion-exchange membranes derived from quaternized polysulfone and exfoliated layered double hydroxide for fuel cells. <i>Journal of Solid State Chemistry</i> , 2017, 246, 324-328.	1.4	36
116	Enhanced performance of sulfonated poly (ether ether ketone) membranes by blending fully aromatic polyamide for practical application in direct methanol fuel cells (DMFCs). <i>International Journal of Hydrogen Energy</i> , 2017, 42, 28567-28577.	3.8	45
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118	A comparative study of anion-exchange membranes tethered with different hetero-cycloaliphatic quaternary ammonium hydroxides. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21965-21978.	5.2	129
119	Nitrogen-doped carbon nanotubes with encapsulated Fe nanoparticles as efficient oxygen reduction catalyst for alkaline membrane direct ethanol fuel cells. <i>Carbon</i> , 2017, 125, 605-613.	5.4	36
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121	Anion Exchange Membranes Based on Polystyrene- <i>b</i> -Poly(ethylene-butylene)- <i>b</i> -Polystyrene Triblock Copolymers: Cation Stability and Fuel Cell Performance. <i>Journal of the Electrochemical Society</i> , 2017, 164, F1216-F1225.	1.3	29
122	Experimental Proof of the Bifunctional Mechanism for the Hydrogen Oxidation in Alkaline Media. <i>Angewandte Chemie</i> , 2017, 129, 15800-15804.	1.6	23
123	Experimental Proof of the Bifunctional Mechanism for the Hydrogen Oxidation in Alkaline Media. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15594-15598.	7.2	194
124	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
125	Quaternized triblock polymer anion exchange membranes with enhanced alkaline stability. <i>Journal of Membrane Science</i> , 2017, 541, 358-366.	4.1	98
126	Highly conductive alkaline anion exchange membrane containing imidazolium-functionalized octaphenyl polyhedral oligomeric silsesquioxane filler. <i>Journal of Membrane Science</i> , 2017, 541, 474-482.	4.1	20

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127	Hydroxide Ion Highway Constructed by Orderly Aligned Quaternary Ammonium Groups in Anion Exchange Membranes. <i>Journal of the Electrochemical Society</i> , 2017, 164, F1051-F1062.	1.3	17
128	Highly Hydroxide-Conductive Nanostructured Solid Electrolyte via Predesigned Ionic Nanoaggregates. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28346-28354.	4.0	19
129	Fe/N/C Nanotubes with Atomic Fe Sites: A Highly Active Cathode Catalyst for Alkaline Polymer Electrolyte Fuel Cells. <i>ACS Catalysis</i> , 2017, 7, 6485-6492.	5.5	141
130	Hydrophobic comb-shaped polymers based on PPO with long alkyl side chains as novel anion exchange membranes. <i>Macromolecular Research</i> , 2017, 25, 1220-1229.	1.0	29
131	High-Resolution Coarse-Grained Model of Hydrated Anion-Exchange Membranes that Accounts for Hydrophobic and Ionic Interactions through Short-Ranged Potentials. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 245-264.	2.3	31
132	Ion exchange membranes: New developments and applications. <i>Journal of Membrane Science</i> , 2017, 522, 267-291.	4.1	650
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134	Preparation and characterization of anion-exchange membranes derived from poly(vinylbenzyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 728-735.	1.6	8
135	Improved acid recovery performance by novel Poly(DMAEM-co- β -MPS) anion exchange membrane via diffusion dialysis. <i>Journal of Membrane Science</i> , 2017, 525, 163-174.	4.1	49
136	Poly(arylene ether ketone) Copolymer Grafted with Amine Groups Containing a Long Alkyl Chain by Chloroacetylation for Improved Alkaline Stability and Conductivity of Anion Exchange Membrane. <i>ACS Applied Energy Materials</i> , 2018, 1, 1175-1182.	2.5	59
137	Novel anion exchange membranes based on quaternized diblock copolystyrene containing a fluorinated hydrophobic block. <i>Journal of Membrane Science</i> , 2018, 554, 264-273.	4.1	67
138	Tetrazole tethered polymers for alkaline anion exchange membranes. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 306-310.	2.3	11
139	Anion exchange membranes with branched ionic clusters for fuel cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5993-5998.	5.2	70
140	Influence of the ions distribution of anion-exchange membranes on electrodialysis. <i>Desalination</i> , 2018, 437, 34-44.	4.0	22
141	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
142	High alkaline resistance of benzyl-triethylammonium functionalized anion exchange membranes with different pendants. <i>European Polymer Journal</i> , 2018, 101, 83-89.	2.6	27
143	Quaternary Ammonium Cation Specific Adsorption on Platinum Electrodes: A Combined Experimental and Density Functional Theory Study. <i>Journal of the Electrochemical Society</i> , 2018, 165, F114-F121.	1.3	26
144	Enhancing the hydroxide conductivity of imidazolium-functionalized polysulfone by incorporating organic microsphere with ionic brushes. <i>Journal of Membrane Science</i> , 2018, 554, 6-15.	4.1	19

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146	Small angle neutron scattering study on the morphology of imidazolium-based grafted anion-conducting fuel cell membranes. <i>Physica B: Condensed Matter</i> , 2018, 551, 203-207.	1.3	6
147	Preparation and Characterization of A Semi-interpenetrating Network Alkaline Anion Exchange Membrane. <i>Fibers and Polymers</i> , 2018, 19, 11-21.	1.1	16
148	Grotthuss versus Vehicular Transport of Hydroxide in Anion-Exchange Membranes: Insight from Combined Reactive and Nonreactive Molecular Simulations. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 825-829.	2.1	68
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