

Chengji Zhao

List of Publications by Year in descending order

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161
papers

6,239
citations

57631

44
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68
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164
all docs

164
docs citations

164
times ranked

4062
citing authors

#	ARTICLE	IF	CITATIONS
1	From metal-organic framework (MOF) to MOF-polymer composite membrane: enhancement of low-humidity proton conductivity. <i>Chemical Science</i> , 2013, 4, 983-992.	3.7	329
2	Composite membranes based on highly sulfonated PEEK and PBI: Morphology characteristics and performance. <i>Journal of Membrane Science</i> , 2008, 308, 66-74.	4.1	189
3	Crosslinked sulfonated poly(ether ether ketone) proton exchange membranes for direct methanol fuel cell applications. <i>Journal of Power Sources</i> , 2007, 164, 65-72.	4.0	175
4	Electrochemical properties of sulfonated PEEK used for ion exchange membranes. <i>Journal of Membrane Science</i> , 2005, 254, 147-155.	4.1	156
5	Direct synthesis of sulfonated poly(ether ether ketone)s (SPEEKs) proton exchange membranes for fuel cell application. <i>Polymer</i> , 2005, 46, 5820-5827.	1.8	154
6	Preparation and characterization of sulfonated poly(ether ether ketone) proton exchange membranes for fuel cell application. <i>Journal of Membrane Science</i> , 2005, 255, 149-155.	4.1	115
7	Synthesis of the block sulfonated poly(ether ether ketone)s (S-PEEKs) materials for proton exchange membrane. <i>Journal of Membrane Science</i> , 2006, 280, 643-650.	4.1	114
8	Enhanced Proton Conductivity of Sulfonated Hybrid Poly(arylene ether ketone) Membranes by Incorporating an Amino-Sulfo Bifunctionalized Metal-Organic Framework for Direct Methanol Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7963-7973.	4.0	109
9	1,2,4-Triazole functionalized poly(arylene ether ketone) for high temperature proton exchange membrane with enhanced oxidative stability. <i>Journal of Membrane Science</i> , 2018, 545, 167-175.	4.1	98
10	Silane-cross-linked polybenzimidazole with improved conductivity for high temperature proton exchange membrane fuel cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 621-629.	5.2	93
11	Adsorption of Cu(II), Pb(II), Co(II), Ni(II), and Cd(II) from aqueous solution by poly(aryl ether ketone) containing pendant carboxyl groups (PEK-L): Equilibrium, kinetics, and thermodynamics. <i>Chemical Engineering Journal</i> , 2011, 171, 152-158.	6.6	91
12	Inorganic-Macroion-Induced Formation of Bicontinuous Block Copolymer Nanocomposites with Enhanced Conductivity and Modulus. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9013-9017.	7.2	89
13	Preparation and properties of epoxy-cross-linked porous polybenzimidazole for high temperature proton exchange membrane fuel cells. <i>Journal of Membrane Science</i> , 2012, 411-412, 54-63.	4.1	88
14	Block sulfonated poly(ether ether ketone)s (SPEEK) ionomers with high ion-exchange capacities for proton exchange membranes. <i>Journal of Power Sources</i> , 2006, 162, 1003-1009.	4.0	87
15	High sensitive and fast response humidity sensor based on polymer composite nanofibers for breath monitoring and non-contact sensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129239.	4.0	87
16	Enhancement in proton conductivity and methanol resistance of Nafion membrane induced by blending sulfonated poly(arylene ether ketones) for direct methanol fuel cells. <i>Journal of Membrane Science</i> , 2019, 573, 439-447.	4.1	82
17	SPEEK/polyaniline (PANI) composite membranes for direct methanol fuel cell usages. <i>Journal of Membrane Science</i> , 2006, 275, 134-140.	4.1	78
18	Preparation of a Cross-Linked Sulfonated Poly(arylene ether ketone) Proton Exchange Membrane with Enhanced Proton Conductivity and Methanol Resistance by Introducing an Ionic Liquid-Impregnated Metal Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31899-31908.	4.0	76

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19	Blend membranes based on disulfonated poly(aryl ether ether ketone)s (SPEEK) and poly(amide imide) (PAI) for direct methanol fuel cell usages. <i>Polymer</i> , 2007, 48, 3090-3097.	1.8	74
20	Novel self-crosslinked poly(aryl ether sulfone) for high alkaline stable and fuel resistant alkaline anion exchange membranes. <i>Chemical Communications</i> , 2011, 47, 8943.	2.2	74
21	Properties of composite membranes based on sulfonated poly(ether ether ketone)s (SPEEK)/phenoxy resin (PHR) for direct methanol fuel cells usages. <i>Journal of Membrane Science</i> , 2007, 297, 162-173.	4.1	73
22	Sulfonated poly(ether ether ketone)/clay-SO ₃ H hybrid proton exchange membranes for direct methanol fuel cells. <i>Journal of Power Sources</i> , 2008, 185, 32-39.	4.0	73
23	Cross-linked membranes based on sulfonated poly (ether ether ketone) (SPEEK)/Nafion for direct methanol fuel cells (DMFCs). <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11025-11033.	3.8	73
24	Cross-linked aromatic cationic polymer electrolytes with enhanced stability for high temperature fuel cell applications. <i>Energy and Environmental Science</i> , 2012, 5, 7617.	15.6	73
25	Preparation and properties of sulfonated poly(ether ether ketone)s (SPEEK)/polypyrrole composite membranes for direct methanol fuel cells. <i>Journal of Power Sources</i> , 2006, 162, 1-8.	4.0	71
26	Preparation and evaluation of a proton exchange membrane based on crosslinkable sulfonated poly(ether ether ketone)s. <i>Journal of Power Sources</i> , 2006, 162, 51-57.	4.0	70
27	Naphthalene-based poly(arylene ether ketone) copolymers containing sulfobutyl pendant groups for proton exchange membranes. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5772-5783.	2.5	64
28	Novel cross-linked sulfonated poly (arylene ether ketone) membranes for direct methanol fuel cell. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 2176-2182.	3.8	64
29	Composite membranes based on a novel benzimidazole grafted PEEK and SPEEK for fuel cells. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 11172-11179.	3.8	60
30	Highly conductive, methanol resistant fuel cell membranes fabricated by layer-by-layer self-assembly of inorganic heteropolyacid. <i>Journal of Power Sources</i> , 2009, 194, 168-174.	4.0	58
31	Novel biobased epoxy resin thermosets derived from eugenol and vanillin. <i>Polymer Degradation and Stability</i> , 2019, 160, 45-52.	2.7	56
32	Layer-by-layer self-assembly of polyaniline on sulfonated poly(arylene ether ketone) membrane with high proton conductivity and low methanol crossover. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 10482-10488.	3.8	55
33	Novel polymeric humidity sensors based on sulfonated poly (ether ether ketone)s: Influence of sulfonation degree on sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 801-809.	4.0	55
34	Synthesis and properties of sulfonated poly(ether ether ketone ketone) containing tert-butyl groups as proton exchange membrane materials. <i>Journal of Membrane Science</i> , 2006, 285, 404-411.	4.1	54
35	Cross-linked hydroxide conductive membranes with side chains for direct methanol fuel cell applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 13295.	6.7	54
36	Layer-by-layer self-assembly of in situ polymerized polypyrrole on sulfonated poly(arylene ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 <i>Energy</i> , 2009, 34, 9795-9801.	3.8	53

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37	Synthesis and properties of a novel side-chain-type hydroxide exchange membrane for direct methanol fuel cells (DMFCs). <i>Journal of Power Sources</i> , 2012, 209, 228-235.	4.0	50
38	Quaternized poly (ether ether ketone)s doped with phosphoric acid for high-temperature polymer electrolyte membrane fuel cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13996-14003.	5.2	50
39	Novel sulfonated poly(arylene ether ketone) copolymers bearing carboxylic or benzimidazole pendant groups for proton exchange membranes. <i>Journal of Power Sources</i> , 2009, 193, 507-514.	4.0	49
40	Preparation and properties of epoxy-based cross-linked sulfonated poly(arylene ether ketone) proton exchange membrane for direct methanol fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 6409-6417.	3.8	47
41	Mechanically reinforced phosphoric acid doped quaternized poly(ether ether ketone) membranes via cross-linking with functionalized graphene oxide. <i>Chemical Communications</i> , 2014, 50, 15381-15384.	2.2	47
42	Enhancing the selectivity of Nafion membrane by incorporating a novel functional skeleton molecule to improve the performance of direct methanol fuel cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 196-206.	5.2	47
43	Synthesis and property of a novel sulfonated poly(ether ether ketone) with high selectivity for direct methanol fuel cell applications. <i>Journal of Membrane Science</i> , 2009, 343, 164-170.	4.1	46
44	Macromolecular cross-linked polybenzimidazole based on bromomethylated poly (aryl ether ketone) with enhanced stability for high temperature fuel cell applications. <i>Journal of Power Sources</i> , 2013, 243, 102-109.	4.0	46
45	MOFs synthesized by the ionothermal method addressing the leaching problem of IL-polymer composite membranes. <i>Chemical Communications</i> , 2014, 50, 14121-14124.	2.2	46
46	Macromolecular covalently cross-linked quaternary ammonium poly(ether ether ketone) with polybenzimidazole for anhydrous high temperature proton exchange membranes. <i>Polymer Chemistry</i> , 2014, 5, 4939-4947.	1.9	46
47	Novel side-chain-type sulfonated poly(arylene ether ketone) with pendant sulfoalkyl groups for direct methanol fuel cells. <i>Polymer</i> , 2009, 50, 4471-4478.	1.8	45
48	A novel sulfonated poly(ether ether ketone) and cross-linked membranes for fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 6443-6449.	4.0	45
49	Cross-linked polyelectrolyte for direct methanol fuel cells applications based on a novel sulfonated cross-linker. <i>Journal of Power Sources</i> , 2014, 255, 101-107.	4.0	45
50	Preparation and properties of novel cross-linked sulfonated poly(arylene ether ketone) for direct methanol fuel cell application. <i>Journal of Membrane Science</i> , 2010, 348, 353-359.	4.1	44
51	Considerations of the Effects of Naphthalene Moieties on the Design of Proton-Conductive Poly(arylene ether ketone) Membranes for Direct Methanol Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24079-24088.	4.0	43
52	Property Enhancement Effects of Side-Chain-Type Naphthalene-Based Sulfonated Poly(arylene ether) Membranes for Direct Methanol Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32227-32236.	4.0	43
53	Enhancing proton conductivity and methanol resistance of SPAEK membrane by incorporating MOF with flexible alkyl sulfonic acid for DMFC. <i>Journal of Membrane Science</i> , 2022, 641, 119906.	4.1	43
54	Investigation of sulfonated poly(ether ether ketone sulfone)/heteropolyacid composite membranes for high temperature fuel cell applications. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 1967-1978.	2.4	41

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55	Synthesis and characterization of sulfonated poly(arylene ether ketone ketone sulfone) membranes for application in proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2006, 160, 969-976.	4.0	38
56	SPEEK/epoxy resin composite membranes in situ polymerization for direct methanol fuel cell usages. <i>Journal of Power Sources</i> , 2007, 165, 708-716.	4.0	38
57	Novel sulfonated poly(ether ether ketone ketone)s for direct methanol fuel cells usage: Synthesis, water uptake, methanol diffusion coefficient and proton conductivity. <i>Journal of Power Sources</i> , 2009, 189, 875-881.	4.0	38
58	Preparation and properties of novel fluorinated epoxy resins cured with 4-trifluoromethyl phenylbenzimidazole for application in electronic materials. <i>European Polymer Journal</i> , 2018, 100, 96-102.	2.6	38
59	Comparison of alkaline stability of benzyltrimethylammonium, benzylmethylimidazolium and benzyldimethylimidazolium functionalized poly(arylene ether ketone) anion exchange membranes. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 3102-3112.	3.8	37
60	Sulfonated poly(ether ether sulfone) copolymers for proton exchange membrane fuel cells. <i>Journal of Applied Polymer Science</i> , 2007, 104, 1443-1450.	1.3	36
61	Influence of the hydroquinone with different pendant groups on physical and electrochemical behaviors of directly polymerized sulfonated poly(ether ether sulfone) copolymers for proton exchange membranes. <i>Journal of Membrane Science</i> , 2006, 285, 239-248.	4.1	35
62	Novel side-chain-type sulfonated diphenyl-based poly(arylene ether sulfone)s with a hydrogen-bonded network as proton exchange membranes. <i>Polymer Chemistry</i> , 2015, 6, 5911-5920.	1.9	35
63	Estrogenic activity research of a novel fluorinated bisphenol and preparation of an epoxy resin as alternative to bisphenol A epoxy resin. <i>European Polymer Journal</i> , 2018, 108, 507-516.	2.6	35
64	Nanostructured Polymer Composite Electrolytes with Self-Assembled Polyoxometalate Networks for Proton Conduction. <i>CCS Chemistry</i> , 2022, 4, 151-161.	4.6	35
65	Morphology study of sulfonated poly(ether ether ketone ketone)s (SPEEKK) membranes: The relationship between morphology and transport properties of SPEEKK membranes. <i>Journal of Power Sources</i> , 2007, 165, 701-707.	4.0	34
66	Synthesis and characterization of a series of SPEEK/TiO ₂ hybrid membranes for direct methanol fuel cell. <i>Journal of Applied Polymer Science</i> , 2008, 109, 1057-1062.	1.3	34
67	Highly chlorine-resistant multilayer reverse osmosis membranes based on sulfonated poly(arylene) Tj ETQq1 1 0.784314 rgBT/Overlo	4.0	34
68	Synthesis and characterization of novel sulfonated poly(arylene ether ketone) copolymers with pendant carboxylic acid groups for proton exchange membranes. <i>Journal of Power Sources</i> , 2009, 191, 253-258.	4.0	33
69	Preparation and characterization of novel naphthyl epoxy resin containing 4-fluorobenzoyl side chains for low- <i>k</i> dielectrics application. <i>RSC Advances</i> , 2017, 7, 53970-53976.	1.7	33
70	Novel covalent-ionically cross-linked membranes with extremely low water swelling and methanol crossover for direct methanol fuel cell applications. <i>Journal of Membrane Science</i> , 2010, 363, 112-119.	4.1	32
71	Synthesis and characterization of poly(arylene ether ketone)s bearing pendant sulfonic acid groups for proton exchange membrane materials. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5824-5832.	2.5	32
72	Dual cross-linked organic-inorganic hybrid polymer electrolyte membranes based on quaternized poly(ether ether ketone) and (3-aminopropyl)triethoxysilane. <i>Journal of Power Sources</i> , 2015, 275, 815-822.	4.0	32

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73	Sulfonated poly(ether ether ketone)/aminopropyltriethoxysilane/phosphotungstic acid hybrid membranes with non-covalent bond: Characterization, thermal stability, and proton conductivity. <i>Solid State Ionics</i> , 2008, 179, 2265-2273.	1.3	31
74	High-temperature water-free proton conducting membranes based on poly(arylene ether ketone) containing pendant quaternary ammonium groups with enhanced proton transport. <i>Journal of Power Sources</i> , 2011, 196, 9331-9338.	4.0	31
75	Poly(aryl ether ketone)s with bromomethyl groups: Synthesis and quaternary amination. <i>Journal of Applied Polymer Science</i> , 2011, 120, 3477-3483.	1.3	31
76	Novel hybrid polymer electrolyte membranes with high proton conductivity prepared by a silane-crosslinking technique for direct methanol fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 1744-1749.	4.0	30
77	Hybrid proton conducting membranes based on sulfonated cross-linked polysiloxane network for direct methanol fuel cell. <i>Journal of Power Sources</i> , 2011, 196, 5803-5810.	4.0	30
78	Preparation and characterization of ultralow dielectric and fibrous epoxy thermoset cured with poly(arylene ether ketone) containing phenolic hydroxyl groups. <i>European Polymer Journal</i> , 2018, 109, 110-116.	2.6	30
79	Self-crosslinked alkaline electrolyte membranes based on quaternary ammonium poly(ether sulfone) for high-performance alkaline fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 9873-9881.	3.8	29
80	Synthesis and properties of an epoxy resin containing trifluoromethyl side chains and its cross-linking networks with different curing agents. <i>Polymer Degradation and Stability</i> , 2012, 97, 691-697.	2.7	29
81	Phosphoric acid doped high temperature proton exchange membranes based on comb-shaped polymers with quaternized graft architectures. <i>Applied Surface Science</i> , 2019, 483, 785-792.	3.1	28
82	Novel sulfonated poly(ether ether ketone) with pendant benzimidazole groups as a proton exchange membrane for direct methanol fuel cells. <i>Journal of Power Sources</i> , 2009, 194, 175-181.	4.0	27
83	Design of a stable and methanol resistant membrane with cross-linked multilayered polyelectrolyte complexes for direct methanol fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 5432-5437.	4.0	27
84	A comparative study of side-chain-type poly(ether ether ketone) anion exchange membrane functionalized with different hetero-cycloaliphatic quaternary ammonium groups. <i>RSC Advances</i> , 2019, 9, 7975-7983.	1.7	27
85	Sulfonated poly(arylene ether ketone)s prepared by direct copolymerization as proton exchange membranes: Synthesis and comparative investigation on transport properties. <i>Journal of Applied Polymer Science</i> , 2008, 108, 671-680.	1.3	26
86	Low water swelling and high methanol resistant proton exchange membrane fabricated by cross-linking of multilayered polyelectrolyte complexes. <i>Journal of Membrane Science</i> , 2009, 345, 242-248.	4.1	26
87	A facile approach to prepare self-cross-linkable sulfonated poly(ether ether ketone) membranes for direct methanol fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 8061-8066.	4.0	26
88	Cross-linked proton exchange membranes for direct methanol fuel cells: Effects of the cross-linker structure on the performances. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 12586-12596.	3.8	26
89	End-group cross-linked polybenzimidazole blend membranes for high temperature proton exchange membrane. <i>Journal of Membrane Science</i> , 2012, 423-424, 495-502.	4.1	25
90	Enhanced thermal conductivity of fluorinated epoxy resins by incorporating inorganic filler. <i>Reactive and Functional Polymers</i> , 2018, 128, 84-90.	2.0	25

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91	Effective enhancement on humidity sensing characteristics of sulfonated poly(ether ether ketone) via incorporating a novel bifunctional metal-organic framework. <i>Journal of Electroanalytical Chemistry</i> , 2019, 833, 418-426.	1.9	25
92	High proton conductive advanced hybrid membrane based on sulfonated Si-SBA-15. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 6740-6748.	3.8	24
93	Nafion based semi-interpenetrating polymer network membranes from a cross-linkable SPAEK and a fluorinated epoxy resin for DMFCs. <i>Electrochimica Acta</i> , 2019, 324, 134873.	2.6	24
94	On-line preconcentration/separation of inorganic arsenic and antimony by poly (aryl ether ketone) containing pendant carboxyl groups prior to microwave plasma atomic spectrometry determinations. <i>Microchemical Journal</i> , 2012, 100, 95-99.	2.3	23
95	High proton-conducting polymer electrolytes based on pendent poly(arylene ether ketone) with H-bond for proton exchange membranes. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 12363-12373.	3.8	23
96	Towards basic ionic liquid-based hybrid membranes as hydroxide-conducting electrolytes under low humidity conditions. <i>Chemical Communications</i> , 2015, 51, 12629-12632.	2.2	23
97	A novel highly sensitive humidity sensor derived from sulfonated poly(ether ether ketone) with metal salts-ion substitution. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 701-711.	4.0	23
98	Physical and electrochemical behaviors of directly polymerized sulfonated poly(arylene ether ketone) Tj ETQq0 0 0 rgBT /Overlock 10 Tf <i>Polymer Science</i> , 2009, 112, 858-866.	1.3	22
99	Novel side-chain-type sulfonated hydroxynaphthalene-based Poly(aryl ether ketone) with H-bonded for proton exchange membranes. <i>Polymer</i> , 2010, 51, 3047-3053.	1.8	21
100	Cross-linked tri-side chains poly(arylene ether ketone)s containing pendant alkylsulfonic acid groups for proton exchange membranes. <i>Journal of Power Sources</i> , 2012, 201, 142-150.	4.0	21
101	Fast response and highly sensitive humidity sensors based on CaCl ₂ -doped sulfonated poly (ether) Tj ETQq1 1 0.784314 rgBT /Overlock 21 <i>Sensors</i> , 2011, 11, 1078-1084.	4.0	21
102	Preparation and characterization of silane-modified SiO ₂ particles reinforced resin composites with fluorinated acrylate polymer. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 80, 11-19.	1.5	21
103	Understanding of hydrocarbon ionomers in catalyst layers for enhancing the performance and durability of proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2021, 493, 229671.	4.0	21
104	Reaction kinetics, thermal properties of tetramethyl biphenyl epoxy resin cured with aromatic diamine. <i>Journal of Applied Polymer Science</i> , 2007, 105, 2611-2620.	1.3	20
105	Fully aromatic naphthalene-based sulfonated poly(arylene ether ketone)s with flexible sulfoalkyl groups as polymer electrolyte membranes. <i>RSC Advances</i> , 2015, 5, 536-544.	1.7	20
106	In-situ self-crosslinked sulfonated poly(arylene ether ketone) with alkyl side chain for enhanced performance. <i>Journal of Membrane Science</i> , 2016, 508, 15-21.	4.1	20
107	Preparation and properties of a new bio-based epoxy resin/diatomite composite. <i>Polymer Degradation and Stability</i> , 2021, 187, 109541.	2.7	20
108	Benzimidazole-cross-linked proton exchange membranes for direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 9330-9339.	3.8	19

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109	Intermolecular ionic cross-linked sulfonated poly(ether ether ketone) membranes with excellent mechanical properties and selectivity for direct methanol fuel cells. RSC Advances, 2016, 6, 23025-23032.	1.7	19
110	Facilitating Proton Transport with Enhanced Water Conservation Membranes for Direct Methanol Fuel Cells. ACS Sustainable Chemistry and Engineering, 2020, 8, 5880-5890.	3.2	19
111	Inorganic-Induced Formation of Bicontinuous Block Copolymer Nanocomposites with Enhanced Conductivity and Modulus. Angewandte Chemie, 2017, 129, 9141-9145.	1.6	18
112	Synthesis, characterization and evaluation of a fluorinated resin monomer with low water sorption. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 77, 446-454.	1.5	18
113	Facile synthesis of poly (arylene ether ketone)s containing flexible sulfoalkyl groups with enhanced oxidative stability for DMFCs. International Journal of Hydrogen Energy, 2020, 45, 27632-27643.	3.8	18
114	Anion exchange membranes based on poly (ether ether ketone) containing N-spirocyclic quaternary ammonium cations in phenyl side chain. International Journal of Hydrogen Energy, 2021, 46, 19116-19128.	3.8	18
115	Nanostructured anion exchange membranes based on poly(arylene piperidinium) with bis-cation strings for diffusion dialysis in acid recovery. Separation and Purification Technology, 2022, 282, 120032.	3.9	18
116	Polyoxometalate-Cross-Linked Proton Exchange Membranes with Post-Assembled Nanostructures for High-Temperature Proton Conduction. ACS Applied Energy Materials, 2022, 5, 9058-9069.	2.5	18
117	Novel hybrid polymer electrolyte membranes prepared by a silane-cross-linking technique for direct methanol fuel cells. Journal of Power Sources, 2010, 195, 762-768.	4.0	17
118	Covalently cross-linked proton exchange membranes based on sulfonated poly(arylene ether ketone) and polybenzimidazole oligomer. Journal of Membrane Science, 2010, 353, 10-16.	4.1	17
119	Crosslinked PAEK-based nanofiber reinforced Nafion membrane with ion-paired interfaces towards high-concentration DMFC. Journal of Membrane Science, 2022, 655, 120589.	4.1	17
120	Proton-conducting membranes based on benzimidazole-containing sulfonated poly(ether ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38622-8629.	3.8	15
121	Preparation and characterization of sulfonated poly(arylene ether ketone ketone sulfone)s for ion exchange membranes. Desalination, 2009, 242, 236-244.	4.0	14
122	Nafion-assisted cross-linking of sulfonated poly(arylene ether ketone) bearing carboxylic acid groups and their composite membranes for fuel cells. Journal of Power Sources, 2010, 195, 3380-3385.	4.0	14
123	Crosslinked hybrid membranes based on sulfonated poly(ether ether) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td (ketone)/ direct methanol fuel cells. Journal of Materials Chemistry, 2010, 20, 6352.	6.7	14
124	Novel humidity sensitive materials derived from naphthalene-based poly (arylene ether ketone) containing sulfobutyl pendant groups. Electrochimica Acta, 2016, 197, 39-49.	2.6	14
125	A Novel Polymer-Salt Complex Based on LiCl Doped SPEEK/Poly(Ether Ether Ketone)-Co-Poly(Ethylene) Tj ETQq1 1 0.784314 rgBT /Overl	2.4	14
126	Construction of Proton Transport Highways Induced by Polarity-Driving in Proton Exchange Membranes to Enhance the Performance of Fuel Cells. ACS Applied Materials & Interfaces, 2021, 13, 40673-40684.	4.0	14

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127	Chemically stable hybrid polymer electrolyte membranes prepared by silane-crosslinking and thiol-ene click chemistry. <i>Journal of Power Sources</i> , 2012, 214, 285-291.	4.0	13
128	Self-assembly of multiwall carbon nanotubes on sulfonated poly (arylene ether ketone) as a proton exchange membrane. <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	13
129	Enhanced diffusion dialysis performance of cross-linked poly(aryl piperidine) anion exchange membranes by thiol-ene click chemistry for acid recovery. <i>Journal of Membrane Science</i> , 2022, 660, 120816.	4.1	13
130	Cross-linked high conductive membranes based on water soluble ionomer for high performance proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2013, 241, 529-535.	4.0	12
131	Preparation, characterization and thermal properties of tetramethylbisphenol F epoxy resin and mixed systems. <i>Polymer International</i> , 2012, 61, 565-570.	1.6	11
132	UV irradiation-induced cross-linked bicarbonate anion exchange membranes based on vinylimidazolium-functionalized poly(arylene ether ketone). <i>RSC Advances</i> , 2015, 5, 57067-57075.	1.7	11
133	Morphological investigations of block sulfonated poly(arylene ether ketone) copolymers as potential proton exchange membranes. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2173-2181.	1.6	10
134	Block sulfonated poly(arylene ether ketone) containing flexible side-chain groups for direct methanol fuel cells usage. <i>Journal of Membrane Science</i> , 2012, 417-418, 61-68.	4.1	10
135	Novel in situ-foaming materials derived from a naphthalene-based poly(arylene ether ketone) containing thermally labile groups. <i>Polymer Chemistry</i> , 2015, 6, 5125-5132.	1.9	10
136	Preparation of anion exchange membrane based on homogeneous quaternization of bromomethylated poly(arylene ether sulfone). <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	9
137	Naphthalene-containing poly(arylene ether ketone) with low dielectric constant. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46857.	1.3	9
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