

Dirk Henkensmeier

List of Publications by Year in descending order

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papers

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109137

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docs citations

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times ranked

3316
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview: State-of-the Art Commercial Membranes for Anion Exchange Membrane Water Electrolysis. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2021, 18, .	1.1	160
2	Effect of morphology of electrodeposited Ni catalysts on the behavior of bubbles generated during the oxygen evolution reaction in alkaline water electrolysis. <i>Chemical Communications</i> , 2013, 49, 9323.	2.2	146
3	From polybenzimidazoles to polybenzimidazoliums and polybenzimidazolides. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12854-12886.	5.2	133
4	Redox Flow Batteries for Energy Storage: A Technology Review. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2018, 15, .	1.1	123
5	Development of electrodeposited IrO ₂ electrodes as anodes in polymer electrolyte membrane water electrolysis. <i>Applied Catalysis B: Environmental</i> , 2015, 179, 285-291.	10.8	118
6	Vanadium Redox Flow Batteries Using <i>meta</i> -Polybenzimidazole-Based Membranes of Different Thicknesses. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36799-36809.	4.0	114
7	Polybenzimidazole (PBI-OO) based composite membranes using sulfophenylated TiO ₂ as both filler and crosslinker, and their use in the HT-PEM fuel cell. <i>Journal of Membrane Science</i> , 2018, 560, 11-20.	4.1	109
8	Polybenzimidazolium hydroxides – Structure, stability and degradation. <i>Polymer Degradation and Stability</i> , 2012, 97, 264-272.	2.7	98
9	Alkaline anion exchange membrane water electrolysis: Effects of electrolyte feed method and electrode binder content. <i>Journal of Power Sources</i> , 2018, 382, 22-29.	4.0	96
10	Polybenzimidazole-Based High-Temperature Polymer Electrolyte Membrane Fuel Cells: New Insights and Recent Progress. <i>Electrochemical Energy Reviews</i> , 2020, 3, 793-845.	13.1	92
11	Porous-Nafion/PBI composite membranes and Nafion/PBI blend membranes for vanadium redox flow batteries. <i>Applied Surface Science</i> , 2018, 450, 301-311.	3.1	85
12	A study on electrode fabrication and operation variables affecting the performance of anion exchange membrane water electrolysis. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 76, 410-418.	2.9	85
13	Polybenzimidazolium-Based Solid Electrolytes. <i>Macromolecular Materials and Engineering</i> , 2011, 296, 899-908.	1.7	82
14	Phosphoric acid doped crosslinked polybenzimidazole (PBI-OO) blend membranes for high temperature polymer electrolyte fuel cells. <i>Journal of Membrane Science</i> , 2017, 544, 416-424.	4.1	80
15	Thermal crosslinking of PBI/sulfonated polysulfone based blend membranes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 409-417.	5.2	78
16	Development of a membrane electrode assembly for alkaline water electrolysis by direct electrodeposition of nickel on carbon papers. <i>Applied Catalysis B: Environmental</i> , 2014, 154-155, 197-205.	10.8	77
17	Electrodeposited IrO ₂ /Ti electrodes as durable and cost-effective anodes in high-temperature polymer-membrane-electrolyte water electrolyzers. <i>Applied Catalysis B: Environmental</i> , 2018, 226, 289-294.	10.8	76
18	Polarization characteristics of a low catalyst loading PEM water electrolyzer operating at elevated temperature. <i>Journal of Power Sources</i> , 2016, 309, 127-134.	4.0	68

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19	One-Step Cationic Grafting of 4-Hydroxy-TEMPO and its Application in a Hybrid Redox Flow Battery with a Crosslinked PBI Membrane. <i>ChemSusChem</i> , 2017, 10, 3193-3197.	3.6	62
20	Blend membranes of polybenzimidazole and an anion exchange ionomer (FAA3) for alkaline water electrolysis: Improved alkaline stability and conductivity. <i>Journal of Membrane Science</i> , 2018, 564, 653-662.	4.1	60
21	Blending polybenzimidazole with an anion exchange polymer increases the efficiency of vanadium redox flow batteries. <i>Journal of Membrane Science</i> , 2019, 580, 110-116.	4.1	59
22	Sulfonated poly(ether sulfone)/sulfonated polybenzimidazole blend membrane for fuel cell applications. <i>European Polymer Journal</i> , 2010, 46, 1633-1641.	2.6	58
23	Layered composite membranes based on porous PVDF coated with a thin, dense PBI layer for vanadium redox flow batteries. <i>Journal of Membrane Science</i> , 2019, 591, 117333.	4.1	56
24	Anion conducting polymers based on ether linked polybenzimidazole (PBI-OO). <i>International Journal of Hydrogen Energy</i> , 2014, 39, 2842-2853.	3.8	55
25	Factors in electrode fabrication for performance enhancement of anion exchange membrane water electrolysis. <i>Journal of Power Sources</i> , 2017, 347, 283-290.	4.0	54
26	Anion exchange membrane water electrolyzer with an ultra-low loading of Pt-decorated Ni electrocatalyst. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 674-679.	10.8	47
27	Protic ionic liquids immobilized in phosphoric acid-doped polybenzimidazole matrix enable polymer electrolyte fuel cell operation at 200°C. <i>Journal of Membrane Science</i> , 2020, 608, 118188.	4.1	47
28	Anion-conductive membranes based on 2-mesityl-benzimidazolium functionalised poly(2,6-dimethyl-1,4-phenylene oxide) and their use in alkaline water electrolysis. <i>Polymer</i> , 2018, 145, 242-251.	1.8	44
29	Thermally crosslinked sulfonated polybenzimidazole membranes and their performance in high temperature polymer electrolyte fuel cells. <i>Journal of Membrane Science</i> , 2019, 588, 117218.	4.1	44
30	Shifting redox potential of nitroxyl radical by introducing an imidazolium substituent and its use in aqueous flow batteries. <i>Journal of Power Sources</i> , 2019, 418, 11-16.	4.0	44
31	Water-in-ionic liquid-solutions towards wide electrochemical stability windows for aqueous rechargeable batteries. <i>Electrochimica Acta</i> , 2018, 263, 47-52.	2.6	43
32	Sulfonated poly(ether sulfone)-based silica nanocomposite membranes for high temperature polymer electrolyte fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 7152-7161.	3.8	41
33	Iron-vanadium redox flow batteries with polybenzimidazole membranes: High coulomb efficiency and low capacity loss. <i>Journal of Power Sources</i> , 2019, 439, 227079.	4.0	41
34	Development of a galvanostatic analysis technique as an in-situ diagnostic tool for PEMFC single cells and stacks. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 5891-5900.	3.8	40
35	Polybenzimidazole / tetrazole-modified poly(arylene ether) blend membranes for high temperature proton exchange membrane fuel cells. <i>Journal of Membrane Science</i> , 2020, 614, 118494.	4.1	40
36	Synthesis, characterisation and degradability of polyamides derived from aldaric acids and chain end functionalised polydimethylsiloxanes. <i>Polymer</i> , 2004, 45, 7053-7059.	1.8	38

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37	Optimizing the performance of meta-polybenzimidazole membranes in vanadium redox flow batteries by adding an alkaline pre-swelling step. <i>Chemical Engineering Journal</i> , 2021, 407, 126574.	6.6	38
38	Novel ETFE based radiation grafted poly(styrene sulfonic acid-co-methacrylonitrile) proton conducting membranes with increased stability. <i>Electrochemistry Communications</i> , 2009, 11, 941-944.	2.3	37
39	Enhanced CO ₂ reduction activity of polyethylene glycol-modified Au nanoparticles prepared via liquid medium sputtering. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 673-680.	10.8	35
40	Application of TGA techniques to analyze the compositional and structural degradation of PEMFC MEAs. <i>Polymer Degradation and Stability</i> , 2012, 97, 1010-1016.	2.7	34
41	Development of porous Pt/IrO ₂ /carbon paper electrocatalysts with enhanced mass transport as oxygen electrodes in unitized regenerative fuel cells. <i>Electrochemistry Communications</i> , 2016, 64, 14-17.	2.3	34
42	Application of spirobiindane-based microporous poly(ether sulfone)s as polymeric binder on solid alkaline exchange membrane fuel cells. <i>Journal of Membrane Science</i> , 2018, 568, 67-75.	4.1	34
43	Synthesis and Characterisation of Terminal Carbohydrate Modified Poly(dimethylsiloxane)s. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 1851-1857.	1.1	33
44	Demonstration of a 20ÂW class high-temperature polymer electrolyte fuel cell stack with novel fabrication of a membrane electrode assembly. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 5521-5526.	3.8	32
45	Influence of Different Side-groups and Cross-links on Phosphoric Acid Doped Radel-based Polysulfone Membranes for High Temperature Polymer Electrolyte Fuel Cells. <i>Electrochimica Acta</i> , 2017, 224, 306-313.	2.6	32
46	Improved All-Vanadium Redox Flow Batteries using Catholyte Additive and a Cross-linked Methylated Polybenzimidazole Membrane. <i>ACS Applied Energy Materials</i> , 2018, 1, 6047-6055.	2.5	32
47	Unlocking Simultaneously the Temperature and Electrochemical Windows of Aqueous Phthalocyanine Electrolytes. <i>ACS Applied Energy Materials</i> , 2019, 2, 3773-3779.	2.5	32
48	Sulfonation of PIM-1 " towards highly oxygen permeable binders for fuel cell application. <i>Macromolecular Research</i> , 2014, 22, 92-98.	1.0	31
49	Phosphate adsorption and its effect on oxygen reduction reaction for Pt _x Coy alloy and Aucore"Ptshell electrocatalysts. <i>Electrochimica Acta</i> , 2011, 56, 8802-8810.	2.6	30
50	meta-PBI/methylated PBI-OO blend membranes for acid doped HT PEMFC. <i>European Polymer Journal</i> , 2014, 58, 135-143.	2.6	30
51	Effect of Catalyst Layer Ionomer Content on Performance of Intermediate Temperature Proton Exchange Membrane Fuel Cells (IT-PEMFCs) under Reduced Humidity Conditions. <i>Electrochimica Acta</i> , 2017, 224, 228-234.	2.6	30
52	Polybenzimidazole membranes functionalised with 1-methyl-2-mesitylbenzimidazolium ions via a hexyl linker for use in vanadium flow batteries. <i>Polymer</i> , 2019, 174, 210-217.	1.8	29
53	Characterizations of polybenzimidazole based electrochemical hydrogen pumps with various Pt loadings for H ₂ /CO ₂ gas separation. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 14816-14823.	3.8	28
54	Tetrazole substituted polymers for high temperature polymer electrolyte fuel cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14389-14400.	5.2	28

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55	Imidazole based ionenes, their blends with PBI-OO and applicability as membrane in a vanadium Redox flow battery. <i>European Polymer Journal</i> , 2017, 96, 383-392.	2.6	28
56	Effects of platinum loading on the performance of proton exchange membrane fuel cells with high ionomer content in catalyst layers. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9826-9834.	3.8	27
57	Poly(arylene ether sulfone) with tetra(quaternary ammonium) moiety in the polymer repeating unit for application in solid alkaline exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 21223-21230.	3.8	27
58	Nafion membranes with a sulfonated organic additive for the use in vanadium redox flow batteries. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47547.	1.3	26
59	Synthesis and characterization of poly(benzimidazolium) membranes for anion exchange membrane fuel cells. <i>Polymer Bulletin</i> , 2013, 70, 2619-2631.	1.7	25
60	Novel sulfonated poly(arylene ether sulfone) containing hydroxyl groups for enhanced proton exchange membrane properties. <i>Polymer Chemistry</i> , 2015, 6, 233-239.	1.9	25
61	Polybenzimidazole membranes for vanadium redox flow batteries: Effect of sulfuric acid doping conditions. <i>Chemical Engineering Journal</i> , 2022, 435, 134902.	6.6	25
62	Ionic polymer actuator based on anion-conducting methylated ether-linked polybenzimidazole. <i>Sensors and Actuators B: Chemical</i> , 2015, 214, 43-49.	4.0	24
63	Porous Nafion membranes. <i>Journal of Membrane Science</i> , 2016, 520, 723-730.	4.1	24
64	Radiation grafted ETFE-graft-poly($\hat{\pm}$ -methylstyrenesulfonic acid-co-methacrylonitrile) membranes for fuel cell applications. <i>Journal of Membrane Science</i> , 2013, 447, 228-235.	4.1	23
65	Electrochemical impedance analysis with transmission line model for accelerated carbon corrosion in polymer electrolyte membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 15457-15465.	3.8	23
66	PBI nanofiber mat-reinforced anion exchange membranes with covalently linked interfaces for use in water electrolyzers. <i>Journal of Membrane Science</i> , 2021, 640, 119832.	4.1	23
67	Using neutron methods SANS and PCAA to study evolution of structure and composition of alkali-doped polybenzimidazole membranes. <i>Journal of Membrane Science</i> , 2019, 577, 12-19.	4.1	22
68	Nafion membranes with a porous surface. <i>Journal of Membrane Science</i> , 2014, 460, 199-205.	4.1	20
69	Reduced In-Plane Swelling of Nafion by a Biaxial Modification Process. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1235-1243.	1.1	20
70	Synthesis of carbohydrate-segmented polydimethylsiloxanes by hydrosilylation. <i>Journal of Polymer Science Part A</i> , 2005, 43, 3814-3822.	2.5	19
71	Nanocomposite Membranes for Polymer Electrolyte Fuel Cells. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 1031-1041.	1.7	19
72	Blue membranes: Sulfonated copper(II) phthalocyanine tetrasulfonic acid based composite membranes for DMFC and low relative humidity PEMFC. <i>Journal of Membrane Science</i> , 2016, 502, 1-10.	4.1	19

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73	Radel-based membranes with pyridine and imidazole side groups for high temperature polymer electrolyte fuel cells. <i>Solid State Ionics</i> , 2015, 275, 80-85.	1.3	18
74	Transition metal alloying effect on the phosphoric acid adsorption strength of Pt nanoparticles: an experimental and density functional theory study. <i>Scientific Reports</i> , 2017, 7, 7186.	1.6	17
75	Novel O-glycosyl amino acid mimetics as building blocks for O-glycopeptides act as inhibitors of galactosidases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 73-75.	1.0	16
76	Enhanced reaction kinetics of an aqueous Zn ²⁺ /Fe hybrid flow battery by optimizing the supporting electrolytes. <i>Journal of Energy Storage</i> , 2019, 25, 100883.	3.9	16
77	Highly active and CO ₂ tolerant Ir nanocatalysts for H ₂ /CO ₂ separation in electrochemical hydrogen pumps. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 348-354.	10.8	15
78	Design Strategy for Zinc Anodes with Enhanced Utilization and Retention: Electrodeposited Zinc Oxide on Carbon Mesh Protected by Ionomeric Layers. <i>ACS Applied Energy Materials</i> , 0, , .	2.5	15
79	High temperature polymer electrolyte membrane fuel cells with Polybenzimidazole-Ce _{0.9} Gd _{0.1} P ₂ O ₇ and polybenzimidazole-Ce _{0.9} Gd _{0.1} P ₂ O ₇ -graphite oxide composite electrolytes. <i>Journal of Power Sources</i> , 2018, 401, 149-157.	4.0	15
80	Polystyrene-Based Hydroxide-Ion-Conducting Ionomer: Binder Characteristics and Performance in Anion-Exchange Membrane Fuel Cells. <i>Polymers</i> , 2021, 13, 690.	2.0	14
81	Locally confined membrane modification of sulfonated membranes for fuel cell application. <i>Journal of Membrane Science</i> , 2014, 454, 174-183.	4.1	13
82	Phase Separated Methylated Polybenzimidazole (O ⁺ PBI) Based Anion Exchange Membranes. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 497-509.	1.7	13
83	Phosphoric acid doped polysulfone membranes with aminopyridine pendant groups and imidazole cross-links. <i>European Polymer Journal</i> , 2015, 72, 102-113.	2.6	13
84	Facile preparation of a long-term durable nano- and micro-structured polymer blend membrane for a proton exchange membrane fuel cell. <i>RSC Advances</i> , 2016, 6, 46516-46522.	1.7	13
85	Ultrathin layered Pd/PBI ⁺ /HFA composite membranes for hydrogen separation. <i>Separation and Purification Technology</i> , 2017, 179, 486-493.	3.9	13
86	Imidazolium cation enabled reversibility of a hydroquinone derivative for designing aqueous redox electrolytes. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2998-3005.	2.5	13
87	Copolymer synergistic coupling for chemical stability and improved gas barrier properties of a polymer electrolyte membrane for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 7059-7068.	3.8	13
88	Characterizing Coverage of Phosphoric Acid on Carbon-Supported Platinum Nanoparticles Using In Situ Extended X-Ray Absorption Fine Structure Spectroscopy and Cyclic Voltammetry. <i>Journal of the Electrochemical Society</i> , 2016, 163, F210-F215.	1.3	12
89	Synthesis of high molecular weight polybenzimidazole using a highly pure monomer under mild conditions. <i>Polymer International</i> , 2017, 66, 1812-1818.	1.6	12
90	Polyethylenimine ⁺ -assisted Synthesis of Au Nanoparticles for Efficient Syngas Production. <i>Electroanalysis</i> , 2019, 31, 1401-1408.	1.5	12

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91	Partially methylated polybenzimidazoles as coating for alkaline zinc anodes. <i>Journal of Membrane Science</i> , 2020, 610, 118254.	4.1	12
92	Effect of membrane electrode assembly fabrication method on the single cell performances of polybenzimidazole-based high temperature polymer electrolyte membrane fuel cells. <i>Macromolecular Research</i> , 2014, 22, 1214-1220.	1.0	11
93	Synthesis and characterization of fluorene-based polybenzimidazole copolymer for gas separation. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	11
94	Base tolerant polybenzimidazolium hydroxide membranes for solid alkaline-exchange membrane fuel cells. <i>Journal of Membrane Science</i> , 2016, 514, 398-406.	4.1	11
95	Experimental Investigation of Operating Parameters in Power Generation by Lab-scale Reverse Electro-dialysis (<sc>RED</sc>). <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 1010-1019.	1.0	11
96	Anion conducting methylated aliphatic <sc>PBI</sc> and its calculated properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 256-265.	2.4	11
97	Shape memory effect in radiation grafted ion exchange membranes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9482.	5.2	10
98	Gel Electrolytes of Covalent Network Polybenzimidazole and Phosphoric Acid by Direct Casting. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700347.	1.7	10
99	ortho-Dichlorobenzene as a pore modifier for PEMFC catalyst electrodes and dense Nafion membranes with one porous surface. <i>Journal of Materials Chemistry</i> , 2012, 22, 14602.	6.7	9
100	Sulfonated Copper Phthalocyanine/Sulfonated Polysulfone Composite Membrane for Ionic Polymer Actuators with High Power Density and Fast Response Time. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29063-29070.	4.0	9
101	Fabrication of dense Ce _{0.9} Mg _{0.1} P ₂ O ₇ -PmOn composites by microwave heating for application as electrolyte in intermediate-temperature fuel cells. <i>Ceramics International</i> , 2018, 44, 6170-6175.	2.3	9
102	Synthesis and Characterization of H ₃ PO ₄ Doped Poly(benzimidazole-co-benzoxazole) Membranes for High Temperature Polymer Electrolyte Fuel Cells. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 3279-3284.	1.0	9
103	Nanostructure-property relationship of two perfluorinated sulfonic acid (<sc>PFSA</sc>) membranes. <i>International Journal of Energy Research</i> , 2022, 46, 11265-11277.	2.2	9
104	Aziridine ring opening as regio- and stereoselective access to O-glycosyl amino acids and their transformation into O-glycopeptide mimetics. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 902-909.	1.8	8
105	Effect of Se modification on RuSe _y /C electrocatalyst for oxygen reduction with phosphoric acid. <i>Electrochemistry Communications</i> , 2013, 27, 46-49.	2.3	8
106	Alkyl chain modified sulfonated poly(ether sulfone) for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 2889-2899.	3.8	8
107	Dual exchange membrane fuel cell with sequentially aligned cation and anion exchange membranes for non-humidified operation. <i>Journal of Membrane Science</i> , 2020, 596, 117745.	4.1	8
108	Spiroindane-Based Poly(arylene ether sulfone) Ionomers for Alkaline Anion Exchange Membrane Fuel Cells. <i>Macromolecular Research</i> , 2020, 28, 275-281.	1.0	8

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109	Effect of Molecular Structure and Coordinating Ions on the Solubility and Electrochemical Behavior of Quinone Derivatives for Aqueous Redox Flow Batteries. <i>Journal of the Electrochemical Society</i> , 2020, 167, 160502.	1.3	8
110	TGA-GC/MS -an Adjuvant Tool for Analysis of Polymer Membranes Designed for Fuel Cell Use. <i>Procedia Engineering</i> , 2012, 44, 1310-1314.	1.2	6
111	Synthesis of high molecular weight sulfonated poly(arylene ether sulfone) copolymer without azeotropic reaction. <i>Solid State Ionics</i> , 2015, 275, 92-96.	1.3	6
112	Sintering and electrical behavior of ZrP2O7â€“CeP2O7 solid solutions Zr1-xCexP2O7; xâ€‰%â€‰=â€‰%â€‰0â€‰“0.2 and (Zr0.92Y0.08)1-yCeyP2O7; yâ€‰%â€‰=â€‰%â€‰0â€‰“0.1 for application as electrolyte in intermediate temperature fuel cells. <i>Solid State Ionics</i> , 2019, 25, 155-162.	1.2	6
113	Alkaline naphthoquinoneâ€“based redox flow batteries with a crosslinked sulfonated polyphenylsulfone membrane. <i>International Journal of Energy Research</i> , 2022, 46, 12988-13002.	2.2	6
114	Crosslinked monosulfonated poly(arylene ether) using cyclodimerization of trifluorovinyl ether groups for fuel cell applications. <i>Polymer International</i> , 2011, 60, 685-691.	1.6	5
115	Effect of PBI-HFA surface treatments on Pd/PBI-HFA composite gas separation membranes. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22915-22924.	3.8	5
116	Synthesis of Sulfonated Poly(Arylene Ether Sulfone)s Containing Aliphatic Moieties for Effective Membrane Electrode Assembly Fabrication by Low-Temperature Decal Transfer Methods. <i>Polymers</i> , 2021, 13, 1713.	2.0	5
117	Analysis of the spatially distributed performance degradation of a polymer electrolyte membrane fuel cell stack. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 16548-16555.	3.8	2
118	Development of La0.8Sr0.2MnO3+Î´ electrocatalysts by Pechini's methods as cathode electrocatalysts in alkaline anion exchange membrane fuel cells. <i>Solid State Ionics</i> , 2016, 290, 124-129.	1.3	2
119	Effect of the fabrication condition of membrane electrode assemblies with carbon-supported ordered PtCo electrocatalyst on the durability of polymer electrolyte membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 32834-32843.	3.8	2
120	Special Section on Anion Exchange Membranes and AEM-Based Systems. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2017, 14, .	1.1	1
121	Novel O-Glycosyl Amino Acid Mimetics as Building Blocks for O-Glycopeptides Act as Inhibitors of Galactosidases.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
122	Extending operational range. <i>Nature Energy</i> , 0, , .	19.8	0