

Ayhan Bozkurt

List of Publications by Year in descending order

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147
papers

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docs citations

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times ranked

2660
citing authors

#	ARTICLE	IF	CITATIONS
1	Alternatives toward proton conductive anhydrous membranes for fuel cells: Heterocyclic protogenic solvents comprising polymer electrolytes. <i>Progress in Polymer Science</i> , 2012, 37, 1265-1291.	11.8	155
2	l-lysine coated iron oxide nanoparticles: Synthesis, structural and conductivity characterization. <i>Journal of Alloys and Compounds</i> , 2009, 484, 371-376.	2.8	129
3	Jute Sticks Derived and Commercially Available Activated Carbons for Symmetric Supercapacitors with Bioelectrolyte: A Comparative Study. <i>Synthetic Metals</i> , 2021, 277, 116765.	2.1	100
4	Phosphoric acid-doped poly(1-vinyl-1,2,4-triazole) as water-free proton conducting polymer electrolytes. <i>Solid State Ionics</i> , 2008, 179, 683-688.	1.3	87
5	Anhydrous proton conducting membranes for PEM fuel cells based on Nafion/Azole composites. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 2808-2815.	3.8	83
6	Anhydrous proton-conducting properties of triazole-phosphonic acid copolymers: a combined study with MAS NMR. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 6058.	1.3	81
7	Preparation and proton conductivity of acid-doped 5-aminotetrazole functional poly(glycidyl methacrylate-co-1,2,4-triazole) blends. <i>Journal of Membrane Science</i> , 2009, 342, 107-114.	2.8	78
8	Proton conducting membranes based on Poly(2,5-benzimidazole) (ABPBI)-Poly(vinylphosphonic acid) blends for fuel cells. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 2724-2730.	3.8	75
9	Preparation and the proton conductivity of chitosan/poly(vinyl phosphonic acid) complex polymer electrolytes. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 3637-3642.	1.5	70
10	Development and characterization of polymer electrolyte membranes based on ionic cross-linked poly(1-vinyl-1,2,4 triazole) and poly(vinylphosphonic acid). <i>Journal of Power Sources</i> , 2009, 191, 442-447.	4.0	63
11	Nafion/poly(1-vinyl-1,2,4-triazole) blends as proton conducting membranes for polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 7720-7726.	4.0	61
12	The synthesis and characterization of anhydrous proton conducting membranes based on sulfonated poly(vinyl alcohol) and imidazole. <i>Journal of Membrane Science</i> , 2011, 375, 157-164.	4.1	54
13	Redox active polymer metal chelates for use in flexible symmetrical supercapacitors: Cobalt-containing poly(acrylic acid) polymer electrolytes. <i>Journal of Energy Chemistry</i> , 2021, 55, 145-153.	7.1	54
14	Intrinsically proton-conducting poly(1-vinyl-1,2,4-triazole)/triflic acid blends. <i>Electrochimica Acta</i> , 2009, 54, 2957-2961.	2.6	50
15	Bio-inspired redox mediated electrolyte for high performance flexible supercapacitor applications over broad temperature domain. <i>Journal of Power Sources</i> , 2020, 474, 228544.	4.0	47
16	Proton-Conducting Properties of Acid-Doped Poly(glycidyl methacrylate-co-1,2,4-Triazole) Systems. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 593-603.	1.1	46
17	Nanocomposites composed of sulfonated polysulfone/hexagonal boron nitride/ionic liquid for supercapacitor applications. <i>Journal of Energy Storage</i> , 2019, 21, 672-679.	3.9	45
18	Novel Conducting Polymer Electrolyte Biosensor Based on Poly(1-vinyl imidazole) and Poly(acrylic acid) blends. <i>Journal of Membrane Science</i> , 2010, 342, 107-114.	1.6	42

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19	Synthesis and proton conductivity of poly(styrene sulfonic acid)/heterocycle-based membranes. <i>Polymer International</i> , 2008, 57, 133-138.	1.6	42
20	Ultrasonic Phased Array Device for Acoustic Imaging in Air. <i>IEEE Sensors Journal</i> , 2008, 8, 1755-1762.	2.4	41
21	Nanocomposite polymer electrolyte membranes based on poly (vinylphosphonic acid)/sulfated nano-titania. <i>Journal of Power Sources</i> , 2012, 217, 158-163.	4.0	40
22	Electrolyte loaded hexagonal boron nitride/polyacrylonitrile nanofibers for lithium ion battery application. <i>Solid State Ionics</i> , 2017, 309, 71-76.	1.3	38
23	Redox-Mediated Poly(2-acrylamido-2-methyl-1-propanesulfonic acid)/Ammonium Molybdate Hydrogels for Highly Effective Flexible Supercapacitors. <i>ChemElectroChem</i> , 2019, 6, 2876-2882.	1.7	38
24	Proton-conducting properties of the membranes based on poly(vinyl phosphonic acid) grafted poly(glycidyl methacrylate). <i>Solid State Ionics</i> , 2009, 180, 1240-1245.	1.3	35
25	Nanocomposite membranes based on sulfonated polysulfone and sulfated nano-titania/NMPA for proton exchange membrane fuel cells. <i>Solid State Ionics</i> , 2014, 255, 89-95.	1.3	34
26	Synthesis and characterization of polymer electrolyte membranes based on PVDF and styrene via photoinduced grafting. <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	33
27	Novel flexible Li-doped PEO/copolymer electrolytes for supercapacitor application. <i>Ionics</i> , 2019, 25, 1773-1781.	1.2	33
28	A comparative study of various polyelectrolyte/nanocomposite electrode combinations in symmetric supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16099-16109.	3.8	33
29	Synthesis of hierarchical multilayer N-doped Mo ₂ C@MoO ₃ nanostructure for high-performance supercapacitor application. <i>Journal of Energy Storage</i> , 2022, 46, 103824.	3.9	33
30	Nano hexagonal boron nitride-Nafion composite membranes for proton exchange membrane fuel cells. <i>Polymer Composites</i> , 2016, 37, 422-428.	2.3	32
31	Sulfonated Hollow Silica Spheres as Electrolyte Store/Release Agents: High-Performance Supercapacitor Applications. <i>Energy Technology</i> , 2019, 7, 1900511.	1.8	32
32	Molybdate incorporated poly(acrylic acid) electrolytes for use in quasi-solid state carbon based supercapacitors: Redox-active polychelates. <i>Electrochimica Acta</i> , 2020, 354, 136770.	2.6	32
33	Synthesis and proton conductivity studies of doped azole functional polymer electrolyte membranes. <i>Electrochimica Acta</i> , 2010, 55, 8498-8503.	2.6	31
34	Enhanced ionic conductivity in borate ester plasticized Polyacrylonitrile electrolytes for lithium battery application. <i>Electrochimica Acta</i> , 2015, 164, 108-113.	2.6	31
35	Inorganic-organic polymer electrolytes based on poly(vinyl alcohol) and borane/poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1	4.0	29
36	Synthesis and proton conductivity of azole-substituted cyclic and polymeric phosphazenes. <i>Polymer</i> , 2013, 54, 2250-2256.	1.8	29

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37	Investigation of nanocomposite membranes based on crosslinked poly(vinyl alcohol)-sulfosuccinic acid ester and hexagonal boron nitride. <i>Journal of Polymer Research</i> , 2015, 22, 1.	1.2	28
38	Indoor positioning based on global positioning system signals. <i>Microwave and Optical Technology Letters</i> , 2013, 55, 1091-1097.	0.9	27
39	The effects of polyelectrolytes on the inhibition and aggregation of calcium oxalate crystallization. <i>Polymers for Advanced Technologies</i> , 2006, 17, 58-65.	1.6	26
40	Synthesis and NMR studies of the polymer membranes based on poly(4-vinylbenzylboronic acid) and phosphoric acid. <i>Polymer</i> , 2008, 49, 3859-3864.	1.8	26
41	Synthesis of chitosan nanoparticles, chitosan-bulk, chitosan nanoparticles conjugated with glutaraldehyde with strong anti-cancer proliferative capabilities. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1152-1161.	1.9	26
42	Preparation, Properties, and Characterization of Polymer Electrolyte Membranes Based on Poly(1-vinyl-1,2,4 triazole) and Poly(styrene sulfonic acid). <i>Journal of the Electrochemical Society</i> , 2009, 156, B1112.	1.3	24
43	Controlling phosphonic acid substitution degree on proton conducting polyphosphazenes. <i>Polymer</i> , 2012, 53, 3659-3668.	1.8	24
44	Coronavirus diseases 2019: Current biological situation and potential therapeutic perspective. <i>European Journal of Pharmacology</i> , 2020, 886, 173447.	1.7	24
45	Blend membranes from poly(2,5-benzimidazole) and poly(styrene sulfonic acid) as proton-conducting polymer electrolytes for fuel cells. <i>Journal of Materials Science</i> , 2010, 45, 993-998.	1.7	23
46	Proton-conducting blend membranes of Nafion/poly(vinylphosphonic acid) for proton exchange membrane fuel cells. <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	23
47	Azole substituted polyphosphazenes as nonhumidified proton conducting membranes. <i>Journal of Materials Chemistry</i> , 2011, 21, 1020-1027.	6.7	22
48	5-(methacrylamido)tetrazole and vinyl triazole based copolymers as novel anhydrous proton conducting membranes. <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	22
49	Investigation of proton conductivity of anhydrous proton exchange membranes prepared via grafting vinyltriazole onto alkaline-treated PVDF. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1885-1897.	2.5	22
50	Synthesis and proton conductivity studies of polystyrene-based triazole functional polymer membranes. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4974-4980.	2.5	21
51	Vorinostat-loaded titanium oxide nanoparticles (anatase) induce G2/M cell cycle arrest in breast cancer cells via PALB2 upregulation. <i>3 Biotech</i> , 2020, 10, 407.	1.1	21
52	Design of Crosslinked Hydrogels Comprising Poly(Vinylphosphonic Acid) and Bis[2-(Methacryloyloxy)Ethyl] Phosphate as an Efficient Adsorbent for Wastewater Dye Removal. <i>Nanomaterials</i> , 2020, 10, 131.	1.9	21
53	Proton conducting polymer blends from poly(2,5-benzimidazole) and poly(2-acrylamido-2-methyl-1-propanesulfonic acid). <i>Journal of Applied Polymer Science</i> , 2011, 120, 1193-1198.	1.3	20
54	Novel composite polymer electrolyte membranes based on poly(vinyl phosphonic acid) and poly(5-(methacrylamido)tetrazole). <i>Polymer Engineering and Science</i> , 2015, 55, 260-269.	1.5	19

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55	Nanocomposite polymer electrolytes membranes based on Poly(vinylphosphonic acid)/SiO ₂ . Journal of Polymer Research, 2012, 19, 1.	1.2	18
56	Proton Conducting Copolymer Electrolytes Based on Vinyl Phosphonic Acid and 5-(Methacrylamido)tetrazole. Macromolecular Chemistry and Physics, 2014, 215, 269-279.	1.1	18
57	Enhancement of Anhydrous Proton Conductivity of Poly(vinylphosphonic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (acid Physics, 2015, 216, 106-112.	1.1	18
58	Synthesis, characterization and supercapacitor application of ionic liquid incorporated nanocomposites based on SPSU/Silicon dioxide. Journal of Physics and Chemistry of Solids, 2020, 137, 109209.	1.9	18
59	High-temperature symmetric supercapacitor applications of anhydrous gel electrolytes including doped triazole terminated flexible spacers. Journal of Molecular Liquids, 2020, 301, 112400.	2.3	18
60	Proton conduction promoted by 1H-1,2,3-benzotriazole in non-humidified polymer membranes. Electrochimica Acta, 2011, 56, 5961-5965.	2.6	17
61	PEG crosslinked poly(vinylbenzene boronic acid) polymer electrolytes for Li-ion batteries. Current Applied Physics, 2013, 13, 1668-1673.	1.1	17
62	Immobilization of urease in poly(1-vinyl imidazole)/poly(acrylic acid) network. Chemical Papers, 2010, 64, 1-7.	1.0	16
63	Polymer electrolyte membranes based on <i>p</i> -toluenesulfonic acid doped poly(1-vinyl-1,2,4-triazole): Synthesis, thermal and proton conductivity properties. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1016-1021.	2.4	16
64	Nanocomposite polymer electrolytes comprising PVA-graft-PEGME/TiO ₂ for Li-ion batteries. Journal of Materials Research, 2014, 29, 625-632.	1.2	16
65	Preparation of Thin Films from New Azolic Copolymers and Investigation of Their Membrane Properties. Journal of Macromolecular Science - Pure and Applied Chemistry, 2014, 51, 420-434.	1.2	16
66	Immobilization of Invertase in a Novel Proton Conducting Poly(vinylphosphonic acid) - poly(1-vinylimidazole) Network. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 639-646.	1.2	15
67	An investigation of proton conductivity of PVDF based 5-aminotetrazole functional polymer electrolyte membranes (PEMs) prepared via direct surface-initiated AGET ATRP of glycidyl methacrylate (GMA). Journal of Polymer Research, 2014, 21, 1.	1.2	15
68	Enhancing the Anhydrous Proton Conductivity of Sulfonated Polysulfone/Polyvinyl Phosphonic Acid Composite Membranes With Hexagonal Boron Nitride. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 683-689.	1.8	15
69	Investigation of perfluorinated proton exchange membranes prepared via a facile strategy of chemically combining poly(vinylphosphonic acid) with PVDF by means of poly(glycidyl methacrylate) grafts. Journal of Polymer Research, 2015, 22, 1.	1.2	15
70	Preparation and Proton Conductivity of Polymer Electrolytes Based on Alginate Acid and 1,2,4-Triazole. Polymer Journal, 2008, 40, 104-108.	1.3	14
71	Proton-conducting blend membranes of crosslinked poly(vinyl alcohol)-sulfosuccinic acid ester and poly(1-vinyl-1,2,4-triazole) for high temperature fuel cells. Polymer Engineering and Science, 2013, 53, 153-158.	1.5	14
72	Boron-incorporated Sulfonated polysulfone/polyposphoric acid electrolytes for supercapacitor application. Soft Materials, 2019, 17, 203-211.	0.8	14

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73	Preparation and characterization of hexagonal boron nitride and PAMPS-NMPA-based thin composite films and investigation of their membrane properties. <i>Ionics</i> , 2015, 21, 2871-2878.	1.2	13
74	Chitosan/hollow silica sphere nanocomposites for wound healing application. <i>Journal of Materials Research</i> , 2019, 34, 231-239.	1.2	13
75	Polymer electrolytes based on the doped comb-branched copolymers for Li-ion batteries. <i>Solid State Ionics</i> , 2010, 181, 987-993.	1.3	12
76	Proton conducting properties of ionically cross-linked poly(1-vinyl-1,2,4 triazole) and poly(2-acrylamido-2-methyl-1-propanesulfonic acid) electrolytes. <i>Polymer Bulletin</i> , 2011, 66, 1099-1110.	1.7	12
77	Synthesis, characterization, and ionic conductivity of novel crosslinked polymer electrolytes for Li-ion batteries. <i>Journal of Applied Polymer Science</i> , 2012, 124, 1193-1199.	1.3	12
78	Investigation of proton conductivity of inorganic-organic hybrid membranes based on boronic acid and tetrazole. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	12
79	Design of high-performance flexible symmetric supercapacitors energized by redox-mediated hydrogels including metal-doped acidic polyelectrolyte. <i>International Journal of Energy Research</i> , 2020, 44, 4309-4320.	2.2	12
80	Proton conductivity survey of the acid doped copolymers based on 4-vinylbenzylboronic acid and 4(5)-vinylimidazole. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 1267-1274.	2.4	11
81	Bioinspired Blend Membranes Based on Adenine and Guanine Functional Poly(glycidyl methacrylate). <i>Langmuir</i> , 2010, 26, 13655-13661.	1.6	11
82	Proton conducting composite membranes based on poly(1-vinyl-1,2,4-triazole) and nitrilotri (methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	11
83	Novel triazole functional sol-gel derived inorganic-organic hybrid networks as anhydrous proton conducting membranes. <i>Polymer</i> , 2011, 52, 4670-4675.	1.8	11
84	Novel proton conductive hybrid membranes based on sulfonated polysulfone and benzotriazole. <i>Journal of Materials Research</i> , 2012, 27, 2650-2656.	1.2	11
85	Novel membranes based on poly(5-methacrylamido)tetrazole) and sulfonated polysulfone for proton exchange membrane fuel cells. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	11
86	Delivery of Conjugated Silicon Dioxide Nanoparticles Show Strong Anti-Proliferative Activities. <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 760-773.	1.4	11
87	Alginate-guided size and morphology-controlled synthesis of MnO ₂ nanoflakes. <i>Soft Materials</i> , 2020, 18, 46-54.	0.8	11
88	The synthesis and proton-conducting properties of the copolymers based on 1-vinyl-1,2,4-triazole and 2-acrylamido-2-methyl-1-propanesulfonic acid. <i>Solid State Ionics</i> , 2010, 181, 525-530.	1.3	10
89	Dielectric and dynamic mechanical relaxations in polymer-heterocycle hybrid materials. <i>Chemical Physics Letters</i> , 2006, 422, 496-499.	1.2	9
90	Synthesis and proton conductivity studies of 5-aminotetrazole-doped sulfonated polymer electrolyte membranes. <i>Polymer Composites</i> , 2011, 32, 1625-1632.	2.3	9

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91	A novel power efficient asynchronous time difference of arrival indoor localization system using CC1101 radio transceivers. <i>Microwave and Optical Technology Letters</i> , 2017, 59, 550-555.	0.9	9
92	Novel Polymer Nanocomposites Comprising Triazole Functional Silica for Dental Application. <i>Silicon</i> , 2020, 12, 109-116.	1.8	9
93	Synthesis of manganese (IV) oxide at activated carbon on reduced graphene oxide sheets via laser irradiation technique for organic binder-free electrodes in flexible supercapacitors. <i>Ceramics International</i> , 2021, 47, 7416-7424.	2.3	9
94	Fabrication of high mechanical stability electrodes and bio-electrolytes for high-performance supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2022, 913, 165230.	2.8	9
95	Synthesis of a Molybdate-Chelated Biodegradable Gel Electrolyte for High Energy Density Supercapacitors. <i>ACS Applied Energy Materials</i> , 2022, 5, 6833-6846.	2.5	9
96	Proton conductivity properties of acid doped fluoroalkylated 1,2,3-triazole. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 776-779.	0.9	8
97	New type of anhydrous organic electrolyte based on carboxylic acid functional triazole as model system. <i>Synthetic Metals</i> , 2011, 161, 665-669.	2.1	8
98	Nanocomposite polymer electrolyte membranes based on poly(vinylphosphonic acid)/TiO ₂ nanoparticles. <i>Journal of Materials Research</i> , 2012, 27, 3090-3095.	1.2	8
99	Synthesis and proton conductivity studies of azole functional organic electrolytes. <i>Ionics</i> , 2012, 18, 101-107.	1.2	8
100	Synthesis and characterization of 1H-1,2,4-triazole functional polymer electrolyte membranes (PEMs) based on PVDF and 4-(chloromethyl)styrene via photoinduced grafting. <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	8
101	Sulfonated poly(vinyl alcohol)/triazole blends as anhydrous proton conducting membranes for polymer electrolyte membrane fuel cells. <i>Journal of Materials Research</i> , 2013, 28, 1458-1465.	1.2	8
102	Synthesis and anhydrous proton conductivity of doped azole functional PGMA-hBN nano-flakes. <i>Synthetic Metals</i> , 2018, 241, 1-6.	2.1	8
103	Synthesis, Characterization, and Swelling Behaviors of Poly(acrylic acid-co-acrylamide)/Pozzolan Superabsorbent Polymers. <i>Journal of Polymers and the Environment</i> , 2019, 27, 1086-1095.	2.4	8
104	Ultrasonic phased array device for real-time acoustic imaging in air. , 2008, , .		7
105	The Synthesis of Complex Polymer Electrolytes Based on Alginic Acid and Poly(1-vinylimidazole) and Application in Tyrosinase Immobilization. <i>Polymer Journal</i> , 2009, 41, 46-50.	1.3	7
106	Sol-gel synthesis of proton conductive tetrazole functional silane networks. <i>Solid State Ionics</i> , 2011, 199-200, 1-5.	1.3	7
107	An investigation of proton conductivity of nanocomposite membranes based on sulfated nano-titania and polymer. <i>Solid State Ionics</i> , 2013, 239, 21-27.	1.3	7
108	Novel Inorganic Proton-Conducting Graft Copolymers Based on 4-Vinyl Benzene Boronic Acid and Vinyl Phosphonic Acid. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 486-491.	1.1	7

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109	Synthesis and characterization of novel multifunctional polymer grafted hollow silica spheres. <i>Journal of Materials Research</i> , 2015, 30, 2408-2416.	1.2	7
110	Highly Flexible and Tailorable Cobalt-Doped Cross-Linked Polyacrylamide-Based Electrolytes for Use in High-Performance Supercapacitors. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1438-1444.	1.7	7
111	Entrapment of urease in poly(1-vinyl imidazole)/poly(2-acrylamido-2-methyl-1-propanesulfonic acid) network. <i>Journal of Applied Polymer Science</i> , 2011, 119, 1931-1939.	1.3	6
112	PAMAM type dendritic electrolytes for lithium ion battery applications. <i>Solid State Ionics</i> , 2012, 226, 1-6.	1.3	6
113	An Investigation of Proton Conductivity of Vinyltriazole-Grafted PVDF Proton Exchange Membranes Prepared via Photoinduced Grafting. <i>Journal of Chemistry</i> , 2014, 2014, 1-11.	0.9	6
114	Synthesis and proton conductivity studies of methacrylate/methacrylamide-based azole functional novel polymer electrolytes. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	6
115	Novel anhydrous proton conducting copolymers of 1-vinyl-1,2,4-triazole and diisopropyl- <i>p</i> -vinylbenzyl phosphonate. <i>Polymers for Advanced Technologies</i> , 2014, 25, 191-195.	1.6	6
116	Single-ion conductivity enhancement for the composite polymer electrolytes based on Li(PVAOB)/PPEGMA for lithium-ion batteries. <i>Ionics</i> , 2018, 24, 1399-1405.	1.2	6
117	Aminotriazole functional silica incorporated BisGMA/TEGDMA resins as dental nanocomposites. <i>Polymers and Polymer Composites</i> , 2019, 27, 488-495.	1.0	6
118	Construction of symmetric supercapacitors using anhydrous electrolytes containing heterocyclic oligomeric structures. <i>International Journal of Energy Research</i> , 2020, 44, 3203-3214.	2.2	6
119	The development of novel cost-effective bio-electrolyte with glycerol host for carbon-based flexible supercapacitor applications. <i>International Journal of Energy Research</i> , 2022, 46, 5189-5199.	2.2	6
120	Highly robust multilayer nanosheets with ultra-efficient batch adsorption and gravity-driven filtration capability for dye removal. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 109, 287-295.	2.9	6
121	Synthesis and proton conductivity of anhydrous dendritic electrolytes. <i>Open Chemistry</i> , 2007, 5, 546-556.	1.0	5
122	Optimizing CMUT geometry for high power. , 2010, , .		5
123	Novel boron-containing triazole functional copolymers as anhydrous proton conductive membranes. <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	5
124	Enhancing the Anhydrous Proton Conductivity of Boronic and Phosphonic Acid Functional Copolymers by Grafting With Flexible Spacers. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 846-854.	1.9	5
125	Fabrication of Al ₂ O ₃ /IL-Based Nanocomposite Polymer Electrolytes for Supercapacitor Application. <i>ChemistrySelect</i> , 2019, 4, 5880-5887.	0.7	5
126	Synthesis and Physical Properties of Proton Conducting Polymer Electrolytes Comprising PAM Cross-Linked Flexible Spacers. <i>Macromolecular Research</i> , 2019, 27, 713-719.	1.0	5

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127	Dielectric and proton conductivity studies in organic electrolytes based on 2-perfluoroalkyl-ethyl-azides. <i>Current Applied Physics</i> , 2010, 10, 133-137.	1.1	4
128	CMUT array element in deep-collapse mode. , 2011, , .		4
129	Signal to noise ratio optimization for a CMUT based medical ultrasound imaging system. , 2015, , .		4
130	An investigation of proton conductivity of binary matrices sulfonated polysulfone/polyvinyltriazole after doping with inorganic acids. <i>Bulletin of Materials Science</i> , 2015, 38, 573-578.	0.8	4
131	An investigation of lithium ion conductivity of copolymers based on P(AMPS–PEGMA). <i>Journal of Applied Polymer Science</i> , 2019, 136, 47798.	1.3	4
132	Symmetric Supercapacitor Application of Anhydrous Gel Electrolytes Comprising Doped Tetrazole Terminated Flexible Spacers. <i>Macromolecular Research</i> , 2020, 28, 1074-1081.	1.0	4
133	A novel approach to produce monodisperse hollow pure silica spheres. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 477-485.	2.4	3
134	Fabrication and characterization of anhydrous polymer electrolyte membranes based on sulfonated poly(vinyl alcohol) and benzimidazole. <i>Polymer Science - Series A</i> , 2012, 54, 231-239.	0.4	2
135	Preparation of proton conducting membranes containing bifunctional titania nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	2
136	Synthesis of Poly(1-vinyl-1,2,4-triazole) and Preparation of Proton Conducting Membrane for High Temperature Operation. <i>Advanced Materials Research</i> , 2013, 789, 294-299.	0.3	2
137	Single Ion Conducting Blend Polymer Electrolytes Based on LiPAAOB and PPEGMA. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1616-1623.	1.9	2
138	Proton conductivity and structural properties of nanocomposites based on boehmite incorporated poly(vinylphosphonic acid). <i>Ionics</i> , 2019, 25, 4831-4840.	1.2	2
139	Graft copolymer electrolytes for electrochemical double layer electrochemical capacitor applications. <i>Synthetic Metals</i> , 2021, 278, 116814.	2.1	2
140	Synthesis and Characterization of Novel Azole Functionalized Poly(glycidyl methacrylate)s for Antibacterial and Anticandidal Activity. <i>Current Organic Synthesis</i> , 2019, 16, 1002-1009.	0.7	2
141	Preparation of proton conducting membranes containing bifunctional titania nanoparticles. , 2012, , 235-243.		1
142	Design and evaluation of phased array transducers for deep brain stimulation in nucleus accumbens region of the rat brain. , 2017, , .		1
143	Natural pozzolan super-absorbent polymer: synthesis, characterization, and its application on plant growing under drought condition. <i>International Journal of Energy and Environmental Engineering</i> , 2021, 12, 751-760.	1.3	1
144	Template-free preparation of iron oxide loaded hollow silica spheres and their anticancer proliferation capabilities. <i>RSC Advances</i> , 2022, 12, 6791-6802.	1.7	1

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145	An equivalent circuit for collapse operation mode of CMUTs. , 2010, , .		0
146	Design and implementation of capacitive micromachined ultrasonic transducers for high power. , 2011, , .		0
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