Ayhan Bozkurt

List of Publications by Year
in descending order

173	3,275	147801	223800
papers	citations	31 h-index	46 g-index

174	174	174	2880
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Alternatives toward proton conductive anhydrous membranes for fuel cells: Heterocyclic protogenic solvents comprising polymer electrolytes. Progress in Polymer Science, 2012, 37, 1265-1291.	24.7	155
2	l-lysine coated iron oxide nanoparticles: Synthesis, structural and conductivity characterization. Journal of Alloys and Compounds, 2009, 484, 371-376.	5.5	129
3	Phosphoric acid-doped poly(1-vinyl-1,2,4-triazole) as water-free proton conducting polymer electrolytes. Solid State Ionics, 2008, 179, 683-688.	2.7	87
4	Anhydrous proton conducting membranes for PEM fuel cells based on Nafion/Azole composites. International Journal of Hydrogen Energy, 2008, 33, 2808-2815.	7.1	83
5	Anhydrous proton-conducting properties of triazoleâ€“phosphonic acid copolymers: a combined study with MAS NMR. Physical Chemistry Chemical Physics, 2008, 10, 6058.	2.8	81
6	Preparation and proton conductivity of acid-doped 5-aminotetrazole functional poly(glycidyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	5.4	78
7	Proton conducting membranes based on Poly(2,5-benzimidazole) (ABPBI)â€“Poly(vinylphosphonic acid) blends for fuel cells. International Journal of Hydrogen Energy, 2009, 34, 2724-2730.	7.1	75
8	Preparation and the proton conductivity of chitosan/poly(vinyl phosphonic acid) complex polymer electrolytes. Journal of Non-Crystalline Solids, 2008, 354, 3637-3642.	3.1	70
9	Development and characterization of polymer electrolyte membranes based on ionical cross-linked poly(1-vinyl-1,2,4 triazole) and poly(vinylphosphonic acid). Journal of Power Sources, 2009, 191, 442-447.	7.8	63
10	Nafion/poly(1-vinyl-1,2,4-triazole) blends as proton conducting membranes for polymer electrolyte membrane fuel cells. Journal of Power Sources, 2010, 195, 7720-7726.	7.8	61
11	The synthesis and characterization of anhydrous proton conducting membranes based on sulfonated poly(vinyl alcohol) and imidazole. Journal of Membrane Science, 2011, 375, 157-164.	8.2	54
12	Redox active polymer metal chelates for use in flexible symmetrical supercapacitors: Cobalt-containing poly(acrylic acid) polymer electrolytes. Journal of Energy Chemistry, 2021, 55, 145-153.	12.9	54
13	Intrinsically proton-conducting poly(1-vinyl-1,2,4-triazole)/triflic acid blends. Electrochimica Acta, 2009, 54, 2957-2961.	5.2	50
14	Bio-inspired redox mediated electrolyte for high performance flexible supercapacitor applications over broad temperature domain. Journal of Power Sources, 2020, 474, 228544.	7.8	47
15	Protonâ€Conducting Properties of Acidâ€Doped Poly(glycidyl methacrylate)â€1,2,4â€Triazole Systems. Macromolecular Chemistry and Physics, 2008, 209, 593-603.	2.2	46
16	Nanocomposites composed of sulfonated polysulfone/hexagonal boron nitride/ionic liquid for supercapacitor applications. Journal of Energy Storage, 2019, 21, 672-679.	8.1	45
17	Design of a front-end integrated circuit for 3D acoustic imaging using 2D CMUT arrays. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 2235-2241.	3.0	44
18	Novel Conducting Polymer Electrolyte Biosensor Based on Poly(1-vinyl imidazole) and Poly(acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.5	42

#	Article	IF	Citations
19	Synthesis and proton conductivity of poly(styrene sulfonic acid)/heterocycle-based membranes. Polymer International, 2008, 57, 133-138.	3.1	42
20	Ultrasonic Phased Array Device for Acoustic Imaging in Air. IEEE Sensors Journal, 2008, 8, 1755-1762.	4.7	41
21	Nanocomposite polymer electrolyte membranes based on poly (vinylphosphonic acid)/sulfated nano-titania. Journal of Power Sources, 2012, 217, 158-163.	7.8	40
22	Electrolyte loaded hexagonal boron nitride/polyacrylonitrile nanofibers for lithium ion battery application. Solid State Ionics, 2017, 309, 71-76.	2.7	38
23	Redoxâ€Mediated Poly(2â€acrylamidoâ€2â€methylâ€1â€propanesulfonic acid)/Ammonium Molybdate Hydrogels for Highly Effective Flexible Supercapacitors. ChemElectroChem, 2019, 6, 2876-2882.	3.4	38
24	Deep-collapse operation of capacitive micromachined ultrasonic transducers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 2475-2483.	3.0	36
25	Proton-conducting properties of the membranes based on poly(vinyl phosphonic acid) grafted poly(glycidyl methacrylate). Solid State Ionics, 2009, 180, 1240-1245.	2.7	35
26	Nanocomposite membranes based on sulfonated polysulfone and sulfated nano-titania/NMPA for proton exchange membrane fuel cells. Solid State Ionics, 2014, 255, 89-95.	2.7	34
27	Synthesis and characterization of polymer electrolyte membranes based on PVDF and styrene via photoinduced grafting. Journal of Polymer Research, 2013, 20, 1.	2.4	33
28	Novel flexible Li-doped PEO/copolymer electrolytes for supercapacitor application. Ionics, 2019, 25, 1773-1781.	2.4	33
29	A comparative study of various polyelectrolyte/nanocomposite electrode combinations in symmetric supercapacitors. International Journal of Hydrogen Energy, 2019, 44, 16099-16109.	7.1	33
30	Nano hexagonal boron nitrideâ€“Nafion composite membranes for proton exchange membrane fuel cells. Polymer Composites, 2016, 37, 422-428.	4.6	32
31	Sulfonated Hollow Silica Spheres as Electrolyte Store/Release Agents: Highâ€Performance Supercapacitor Applications. Energy Technology, 2019, 7, 1900511.	3.8	32
32	Molybdate incorporated poly(acrylic acid) electrolytes for use in quasi-solid state carbon based supercapacitors: Redox-active polychelates. Electrochimica Acta, 2020, 354, 136770.	5.2	32
33	Synthesis and proton conductivity studies of doped azole functional polymer electrolyte membranes. Electrochimica Acta, 2010, 55, 8498-8503.	5.2	31
34	Enhanced ionic conductivity in borate ester plasticized Polyacrylonitrile electrolytes for lithium battery application. Electrochimica Acta, 2015, 164, 108-113.	5.2	31
35	High-power CMUTs: design and experimental verification. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 1276-1284.	3.0	30
36	Inorganicâ€“organic polymer electrolytes based on poly(vinyl alcohol) and borane/poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	7.8	29

#	Article	IF	Citations
37	Synthesis and proton conductivity of azole-substituted cyclic and polymeric phosphazenes. Polymer, 2013, 54, 2250-2256.	3.8	29
38	Investigation of nanocomposite membranes based on crosslinked poly(vinyl alcohol)â€“sulfosuccinic acid ester and hexagonal boron nitride. Journal of Polymer Research, 2015, 22, 1.	2.4	28
39	Indoor positioning based on global positioning system signals. Microwave and Optical Technology Letters, 2013, 55, 1091-1097.	1.4	27
40	The effects of polyelectrolytes on the inhibition and aggregation of calcium oxalate crystallization. Polymers for Advanced Technologies, 2006, 17, 58-65.	3.2	26
41	Synthesis and NMR studies of the polymer membranes based on poly(4-vinylbenzylboronic acid) and phosphoric acid. Polymer, 2008, 49, 3859-3864.	3.8	26
42	Synthesis of chitosan nanoparticles, chitosan-bulk, chitosan nanoparticles conjugated with glutaraldehyde with strong anti-cancer proliferative capabilities. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1152-1161.	2.8	26
43	Preparation, Properties, and Characterization of Polymer Electrolyte Membranes Based on Poly(1-vinyl-1,2,4 triazole) and Poly(styrene sulfonic acid). Journal of the Electrochemical Society, 2009, 156, B1112.	2.9	24
44	Controlling phosphonic acid substitution degree on proton conducting polyphosphazenes. Polymer, 2012, 53, 3659-3668.	3.8	24
45	Coronavirus diseases 2019: Current biological situation and potential therapeutic perspective. European Journal of Pharmacology, 2020, 886, 173447.	3.5	24
46	Immobilizing cholesterol oxidase in chitosanâ€“alginic acid network. Carbohydrate Polymers, 2009, 76, 430-436.	10.2	23
47	Blend membranes from poly(2,5-benzimidazole) and poly(styrene sulfonic acid) as proton-conducting polymer electrolytes for fuel cells. Journal of Materials Science, 2010, 45, 993-998.	3.7	23
48	Proton-conducting blend membranes of Nafion/poly(vinylphosphonic acid) for proton exchange membrane fuel cells. Journal of Polymer Research, 2013, 20, 1.	2.4	23
49	Azole substituted polyphosphazenes as nonhumidified proton conducting membranes. Journal of Materials Chemistry, 2011, 21, 1020-1027.	6.7	22
50	5-(methacrylamido)tetrazole and vinyl triazole based copolymers as novel anhydrous proton conducting membranes. Journal of Polymer Research, 2013, 20, 1.	2.4	22
51	Investigation of proton conductivity of anhydrous proton exchange membranes prepared via grafting vinyltriazole onto alkaline-treated PVDF. Journal of Polymer Science Part A, 2014, 52, 1885-1897.	2.3	22
52	Integrated HIFU Drive System on a Chip for CMUT-Based Catheter Ablation System. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 534-546.	4.0	22
53	Synthesis and proton conductivity studies of polystyreneâ€based triazole functional polymer membranes. Journal of Polymer Science Part A, 2010, 48, 4974-4980.	2.3	21
54	Vorinostat-loaded titanium oxide nanoparticles (anatase) induce G2/M cell cycle arrest in breast cancer cells via PALB2 upregulation. 3 Biotech, 2020, 10, 407.	2.2	21

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55	Design of Crosslinked Hydrogels Comprising Poly(Vinylphosphonic Acid) and Bis[2-(Methacryloyloxy)Ethyl] Phosphate as an Efficient Adsorbent for Wastewater Dye Removal. Nanomaterials, 2020, 10, 131.	4.1	21
56	Proton conducting polymer blends from poly(2,5â€benzimidazole) and poly(2â€acrylamidoâ€2â€methylâ€1â€propanesulfonic acid). Journal of Applied Polymer Science, 2011, 120, 1193-1198.	2.6	20
57	Performance comparison of state-of-the-art heterojunction bipolar devices (HBT) based on AlGaAs/GaAs, Si/SiGe and InGaAs/InP. Microelectronics Journal, 2004, 35, 901-908.	2.0	19
58	Novel composite polymer electrolyte membranes based on poly(vinyl phosphonic acid) and poly (5-(methacrylamido)tetrazole). Polymer Engineering and Science, 2015, 55, 260-269.	3.1	19
59	Nanocomposite polymer electrolytes membranes based on Poly(vinylphosphonic acid)/SiO2. Journal of Polymer Research, 2012, 19, 1.	2.4	18
60	Proton Conducting Copolymer Electrolytes Based on Vinyl Phosphonic Acid and 5â€(Methacrylamido)tetrazole. Macromolecular Chemistry and Physics, 2014, 215, 269-279.	2.2	18
61	Enhancement of Anhydrous Proton Conductivity of Poly(vinylphosphonic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (acid) Physics, 2015, 216, 106-112.	2.2	18
62	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.	4.0	18
63	High-temperature symmetric supercapacitor applications of anhydrous gel electrolytes including doped triazole terminated flexible spacers. Journal of Molecular Liquids, 2020, 301, 112400.	4.9	18
64	A lumped-circuit model for the radiation impedance of a circular piston in a rigid baffle. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 2046-2052.	3.0	17
65	Proton conduction promoted by 1H-1,2,3-benzotriazole in non-humidified polymer membranes. Electrochimica Acta, 2011, 56, 5961-5965.	5.2	17
66	PEG crosslinked poly(vinylbenzene boronic acid) polymer electrolytes for Li-ion batteries. Current Applied Physics, 2013, 13, 1668-1673.	2.4	17
67	Immobilization of urease in poly(1-vinyl imidazole)/poly(acrylic acid) network. Chemical Papers, 2010, 64, 1-7.	2.2	16
68	Polymer electrolyte membranes based on pâ€toluenesulfonic acid doped poly(1â€vinylâ€1,2,4â€triazole): Synthesis, thermal and proton conductivity properties. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1016-1021.	2.1	16
69	Nanocomposite polymer electrolytes comprising PVA-graft-PEGME/TiO₂ for Li-ion batteries. Journal of Materials Research, 2014, 29, 625-632.	2.6	16
70	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.	2.2	16
71	Immobilization of Invertase in a Novel Proton Conducting Poly(vinylphosphonic acid) â€“ poly(1-vinylimidazole) Network. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 639-646.	2.2	15
72	An equivalent circuit model for transmitting capacitive micromachined ultrasonic transducers in collapse mode. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 1468-1477.	3.0	15

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73	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.	2.4	15
74	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.	3.4	15
75	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.	2.4	15
76	Preparation and Proton Conductivity of Polymer Electrolytes Based on Alginic Acid and 1,2,4-Triazole. Polymer Journal, 2008, 40, 104-108.	2.7	14
77	Protonâ€conducting blend membranes of crosslinked poly(vinyl alcohol)â€“sulfosuccinic acid ester and poly(1â€vinylâ€1,2,4â€triazole) for high temperature fuel cells. Polymer Engineering and Science, 2013, 53, 153-158.	3.1	14
78	Boron-incorporated Sulfonated polysulfone/polyphosphoric acid electrolytes for supercapacitor application. Soft Materials, 2019, 17, 203-211.	1.7	14
79	Preparation and characterization of hexagonal boron nitride and PAMPS-NMPA-based thin composite films and investigation of their membrane properties. Ionics, 2015, 21, 2871-2878.	2.4	13
80	Silicone-based composite materials simulate breast tissue to be used as ultrasonography training phantoms. Ultrasonics, 2018, 88, 9-15.	3.9	13
81	Chitosan/hollow silica sphere nanocomposites for wound healing application. Journal of Materials Research, 2019, 34, 231-239.	2.6	13
82	Wafer bonded capacitive micromachined underwater transducers. , 2009, , .		12
83	Polymer electrolytes based on the doped comb-branched copolymers for Li-ion batteries. Solid State Ionics, 2010, 181, 987-993.	2.7	12
84	Proton conducting properties of ionically cross-linked poly(1-vinyl-1,2,4 triazole) and poly(2-acrylamido-2-methyl-1-propanesulfonic acid) electrolytes. Polymer Bulletin, 2011, 66, 1099-1110.	3.3	12
85	Synthesis, characterization, and ionic conductivity of novel crosslinked polymer electrolytes for Liâ€ion batteries. Journal of Applied Polymer Science, 2012, 124, 1193-1199.	2.6	12
86	Investigation of proton conductivity of inorganicâ€“organic hybrid membranes based on boronic acid and tetrazole. Journal of Polymer Research, 2014, 21, 1.	2.4	12
87	Design of highâ€performance flexible symmetric supercapacitors energized by redoxâ€mediated hydrogels including metalâ€doped acidic polyelectrolyte. International Journal of Energy Research, 2020, 44, 4309-4320.	4.5	12
88	An analytical design methodology for microelectromechanical (MEM) filters. Sensors and Actuators A: Physical, 2005, 119, 38-47.	4.1	11
89	Proton conductivity survey of the acid doped copolymers based on 4â€vinylbenzylboronic acid and 4(5)â€vinylimidazole. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1267-1274.	2.1	11
90	Bioinspired Blend Membranes Based on Adenine and Guanine Functional Poly(glycidyl methacrylate). Langmuir, 2010, 26, 13655-13661.	3.5	11

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91	Proton conducting composite membranes based on poly(1-vinyl-1,2,4-triazole) and nitrilotri (methyl) Tj ETQq1 1 0.784314 rgBT /Over	4.0	11
92	Novel triazole functional solâ€“gel derived inorganicâ€“organic hybrid networks as anhydrous proton conducting membranes. Polymer, 2011, 52, 4670-4675.	3.8	11
93	Novel proton conductive hybrid membranes based on sulfonated polysulfone and benzotriazole. Journal of Materials Research, 2012, 27, 2650-2656.	2.6	11
94	Novel membranes based on poly(5â€(methacrylamido)tetrazole) and sulfonated polysulfone for proton exchange membrane fuel cells. Journal of Applied Polymer Science, 2014, 131, .	2.6	11
95	Delivery of Conjugated Silicon Dioxide Nanoparticles Show Strong Anti-Proliferative Activities. Applied Biochemistry and Biotechnology, 2019, 189, 760-773.	2.9	11
96	Alginate-guided size and morphology-controlled synthesis of MnO₂nanoflakes. Soft Materials, 2020, 18, 46-54.	1.7	11
97	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. Solid State Ionics, 2010, 181, 525-530.	2.7	10
98	Dielectric and dynamic mechanical relaxations in polymerâ€“heterocycle hybrid materials. Chemical Physics Letters, 2006, 422, 496-499.	2.6	9
99	Synthesis and proton conductivity studies of 5â€aminotetrazoleâ€doped sulfonated polymer electrolyte membranes. Polymer Composites, 2011, 32, 1625-1632.	4.6	9
100	A novel power efficient asynchronous time difference of arrival indoor localization system using CC1101 radio transceivers. Microwave and Optical Technology Letters, 2017, 59, 550-555.	1.4	9
101	Novel Polymer Nanocomposites Comprising Triazole Functional Silica for Dental Application. Silicon, 2020, 12, 109-116.	3.3	9
102	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. Ceramics International, 2021, 47, 7416-7424.	4.8	9
103	Proton conductivity properties of acid doped fluoroalkylated 1,2,3-triazole. Journal of Fluorine Chemistry, 2010, 131, 776-779.	1.7	8
104	New type of anhydrous organic electrolyte based on carboxylic acid functional triazole as model system. Synthetic Metals, 2011, 161, 665-669.	3.9	8
105	Nanocomposite polymer electrolyte membranes based on poly(vinylphosphonic acid)/TiO₂ nanoparticles. Journal of Materials Research, 2012, 27, 3090-3095.	2.6	8
106	Synthesis and proton conductivity studies of azole functional organic electrolytes. Ionics, 2012, 18, 101-107.	2.4	8
107	Synthesis and characterization of 1H-1,2,4-triazole functional polymer electrolyte membranes (PEMs) based on PVDF and 4-(chloromethyl)styrene via photoinduced grafting. Journal of Polymer Research, 2013, 20, 1.	2.4	8
108	Sulfonated poly(vinyl alcohol)/triazole blends as anhydrous proton conducting membranes for polymer electrolyte membrane fuel cells. Journal of Materials Research, 2013, 28, 1458-1465.	2.6	8

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109	Synthesis and anhydrous proton conductivity of doped azole functional PGMA-hBN nano-flakes. Synthetic Metals, 2018, 241, 1-6.	3.9	8
110	Synthesis, Characterization, and Swelling Behaviors of Poly(acrylic acid-co-acrylamide)/Pozzolan Superabsorbent Polymers. Journal of Polymers and the Environment, 2019, 27, 1086-1095.	5.0	8
111	Calibration-Free CMOS Capacitive Sensor for Life Science Applications. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	8
112	Ultrasonic phased array device for real-time acoustic imaging in air. , 2008, , .		7
113	The Synthesis of Complex Polymer Electrolytes Based on Alginic Acid and Poly(1-vinylimidazole) and Application in Tyrosinase Immobilization. Polymer Journal, 2009, 41, 46-50.	2.7	7
114	Solâ€“gel synthesis of proton conductive tetrazole functional silane networks. Solid State Ionics, 2011, 199-200, 1-5.	2.7	7
115	An investigation of proton conductivity of nanocomposite membranes based on sulfated nano-titania and polymer. Solid State Ionics, 2013, 239, 21-27.	2.7	7
116	Novel Inorganic Protonâ€Conducting Graft Copolymers Based on 4â€Vinyl Benzene Boronic Acid and Vinyl Phosphonic Acid. Macromolecular Chemistry and Physics, 2013, 214, 486-491.	2.2	7
117	Synthesis and characterization of novel multifunctional polymer grafted hollow silica spheres. Journal of Materials Research, 2015, 30, 2408-2416.	2.6	7
118	Entrapment of urease in poly(1â€vinyl imidazole)/poly(2â€acrylamidoâ€2â€methylâ€1â€propanesulfonic acid) network. Journal of Applied Polymer Science, 2011, 119, 1931-1939.	2.6	6
119	PAMAM type dendritic electrolytes for lithium ion battery applications. Solid State Ionics, 2012, 226, 1-6.	2.7	6
120	Design of a driver IC for an ultrasound catheter ablation system. , 2014, , .		6
121	An Investigation of Proton Conductivity of Vinyltriazole-Grafted PVDF Proton Exchange Membranes Prepared via Photoinduced Grafting. Journal of Chemistry, 2014, 2014, 1-11.	1.9	6
122	Synthesis and proton conductivity studies of methacrylate/methacrylamideâ€based azole functional novel polymer electrolytes. Journal of Applied Polymer Science, 2014, 131, .	2.6	6
123	Novel anhydrous proton conducting copolymers of 1-vinyl-1,2,4-triazole and diisopropyl-p -vinylbenzyl phosphonate. Polymers for Advanced Technologies, 2014, 25, 191-195.	3.2	6
124	Fabrication of High-Efficiency CMUTs With Reduced Parasitics Using Embedded Metallic Layers. IEEE Sensors Journal, 2017, 17, 4013-4020.	4.7	6
125	Single-ion conductivity enhancement for the composite polymer electrolytes based on Li(PVAOB)/PPEGMA for lithium-ion batteries. Ionics, 2018, 24, 1399-1405.	2.4	6
126	Aminotriazole functional silica incorporated BisGMA/TEGDMA resins as dental nanocomposites. Polymers and Polymer Composites, 2019, 27, 488-495.	1.9	6

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127	Construction of symmetric supercapacitors using anhydrous electrolytes containing heterocyclic oligomeric structures. International Journal of Energy Research, 2020, 44, 3203-3214.	4.5	6
128	Synthesis and proton conductivity of anhydrous dendritic electrolytes. Open Chemistry, 2007, 5, 546-556.	1.9	5
129	Optimizing CMUT geometry for high power. , 2010, , .		5
130	Novel boron-containing triazole functional copolymers as anhydrous proton conductive membranes. Journal of Polymer Research, 2013, 20, 1.	2.4	5
131	Enhancing the Anhydrous Proton Conductivity of Boronic and Phosphonic Acid Functional Copolymers by Grafting With Flexible Spacers. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 846-854.	3.7	5
132	Receive-Noise Analysis of Capacitive Micromachined Ultrasonic Transducers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 1980-1987.	3.0	5
133	Ultrasonic transmittance of rat skull as a function of frequency. , 2016, , .		5
134	Fabrication of Al₂O₃/ILâ€Based Nanocomposite Polymer Electrolytes for Supercapacitor Application. ChemistrySelect, 2019, 4, 5880-5887.	1.5	5
135	Synthesis and Physical Properties of Proton Conducting Polymer Electrolytes Comprising PAM Cross-Linked Flexible Spacers. Macromolecular Research, 2019, 27, 713-719.	2.4	5
136	Synthesis of Polymer Electrolyte Membrane based on Acid-Base Complex Pair and Its Characteristics. Journal of Mathematical and Fundamental Sciences, 2014, 46, 50-61.	0.5	5
137	Low Noise Amplifier Design Using 0.35 μm SiGe BiCMOS Technology for WLAN/WiMax Applications. , 2006, , .		4
138	Dielectric and proton conductivity studies in organic electrolytes based on 2-perfluoroalkyl-ethyl-azides. Current Applied Physics, 2010, 10, 133-137.	2.4	4
139	CMUT array element in deep-collapse mode. , 2011, , .		4
140	PMMA-Based Wafer-Bonded Capacitive Micromachined Ultrasonic Transducer for Underwater Applications. Micromachines, 2019, 10, 319.	2.9	4
141	An investigation of lithium ion conductivity of copolymers based on P(AMPSâ€coâ€PEGMA). Journal of Applied Polymer Science, 2019, 136, 47798.	2.6	4
142	Evaluation of acoustic-based particle separation methods. World Journal of Engineering, 2019, 16, 823-838.	1.6	4
143	Symmetric Supercapacitor Application of Anhydrous Gel Electrolytes Comprising Doped Tetrazole Terminated Flexible Spacers. Macromolecular Research, 2020, 28, 1074-1081.	2.4	4
144	Realization of a ROIC for 72Ã—4 PV-IR detectors. , 2008, , .		3

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145	Optimization of operating frequency of acoustic transducers for obtaining maximum temperature in HIFU based therapeutic ablation. , 2012, , .		3
146	Frequency optimization in high intensity focused ultrasound. , 2014, , .		3
147	Multistimuli-responsive magnetic assemblies. , 2019, , 155-193.		3
148	A novel approach to produce monodisperse hollow pure silica spheres. Journal of Saudi Chemical Society, 2019, 23, 477-485.	5.2	3
149	Equivalent circuit for capacitive micromachined ultrasonic transducers to predict anti-resonances. Microsystem Technologies, 2020, 26, 3747-3752.	2.0	3
150	Fabrication and characterization of anhydrous polymer electrolyte membranes based on sulfonated poly(vinyl alcohol) and benzimidazole. Polymer Science - Series A, 2012, 54, 231-239.	1.0	2
151	Preparation of proton conducting membranes containing bifunctional titania nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	2
152	Synthesis of Poly(1-vinyl-1,2,4-triazole) and Preparation of Proton Conducting Membrane for High Temperature Operation. Advanced Materials Research, 2013, 789, 294-299.	0.3	2
153	Embedded sacrificial layers for CMUT fabrication. , 2015, , .		2
154	Single Ion Conducting Blend Polymer Electrolytes Based on LiPAAOB and PPEGMA. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 1616-1623.	3.7	2
155	Proton conductivity and structural properties of nanocomposites based on boehmite incorporated poly(vinlyphosphonic acid). Ionics, 2019, 25, 4831-4840.	2.4	2
156	The effects of focused ultrasound pulsation of nucleus accumbens in opioid-dependent rats. Journal of Theoretical Social Psychology, 2019, 29, 748-759.	1.9	2
157	Vertical cavity capacitive transducer. Journal of the Acoustical Society of America, 2021, 149, 2137-2144.	1.1	2
158	Synthesis and Characterization of Novel Azole Functionalized Poly(glycidyl methacrylate)s for Antibacterial and Anticandidal Activity. Current Organic Synthesis, 2019, 16, 1002-1009.	1.3	2
159	Titanium Oxide Nanoparticles Improve the Chemotherapeutic Action of Erlotinib in Liver Cancer Cells. Current Cancer Therapy Reviews, 2020, 16, 337-343.	0.3	2
160	Design of a 4.2â€“5.4 GHz differential LC VCO using 0.35 Î¼m SiGe BiCMOS technology for IEEE 802.11a applications. International Journal of RF and Microwave Computer-Aided Engineering, 2007, 17, 243-251.	1.2	1
161	Modeling the pulse-echo response of a 2D CMUT array element. , 2009, , .		1
162	Preparation of proton conducting membranes containing bifunctional titania nanoparticles. , 2012, , 235-243.		1

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163	Mutual radiation impedance of circular CMUTs on a cylinder. , 2016, , .		1
164	Design and evaluation of phased array transducers for deep brain stimulation in nucleus accumbens region of the rat brain. , 2017, , .		1
165	Design and evaluation of phased array transducers for deep brain stimulation in nucleus accumbens region of the rat brain. , 2017, , .		1
166	A Programmable Low-Power, Low-Noise Front-End Channel in 0.35- Âµm CMOS for CdZnTe Detectors. , 2021, , .		1
167	A Low Noise and Low Power, SiGe-BiCMOS LNA for IEEE 802.11a Applications. , 2006, , .		0
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