

# Dukjoon Kim

## List of Publications by Year in descending order

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212  
papers

5,165  
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101543

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216  
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216  
docs citations

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times ranked

5459  
citing authors

#	ARTICLE	IF	CITATIONS
1	Swelling and mechanical properties of superporous hydrogels of poly(acrylamide-co-acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TTS	8.8	144
2	Crystallinity, morphology, mechanical properties and conductivity study of in situ formed PVdF/LiClO <sub>4</sub> /TiO <sub>2</sub> nanocomposite polymer electrolytes. <i>Electrochimica Acta</i> , 2007, 52, 3181-3189.	5.2	140
3	Conductivity studies on ceramic Li <sub>1.3</sub> Al <sub>0.3</sub> Ti <sub>1.7</sub> (PO <sub>4</sub> ) <sub>3</sub> -filled PEO-based solid composite polymer electrolytes. <i>Journal of Power Sources</i> , 2006, 159, 690-701.	7.8	139
4	Superstrong, superstiff, and conductive alginate hydrogels. <i>Nature Communications</i> , 2022, 13, .	12.8	112
5	Batch and column separation characteristics of copper-imprinted porous polymer micro-beads synthesized by a direct imprinting method. <i>Journal of Hazardous Materials</i> , 2010, 173, 462-467.	12.4	106
6	Morphology evolution of single-crystalline hematite nanocrystals: magnetically recoverable nanocatalysts for enhanced facet-driven photoredox activity. <i>Nanoscale</i> , 2016, 8, 365-377.	5.6	99
7	Sulfonated polystyrene grafted polypropylene composite electrolyte membranes for direct methanol fuel cells. <i>Journal of Membrane Science</i> , 2003, 220, 75-87.	8.2	93
8	Synthesis of lactide from oligomeric PLA: Effects of temperature, pressure, and catalyst. <i>Macromolecular Research</i> , 2006, 14, 510-516.	2.4	83
9	Preparation and swelling behavior of chitosan-based superporous hydrogels for gastric retention application. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 76A, 144-150.	4.0	82
10	Drug releasing characteristics of thermo- and pH-sensitive interpenetrating polymer networks based on poly (N-isopropylacrylamide). <i>Journal of Applied Polymer Science</i> , 1997, 64, 2647-2655.	2.6	77
11	Poly(arylene ether ketone) proton exchange membranes grafted with long aliphatic pendant sulfonated groups for vanadium redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2261-2270.	10.3	75
12	Comparison of homogeneously and heterogeneously sulfonated polyetheretherketone membranes in preparation, properties and cell performance. <i>Journal of Power Sources</i> , 2008, 185, 63-69.	7.8	71
13	SAXS and NMR Analysis for the Cast Solvent Effect on SPEEK Membrane Properties. <i>Journal of Physical Chemistry B</i> , 2009, 113, 10072-10076.	2.6	65
14	Thermal, mechanical, and diffusional properties of nylon 6/ABS polymer blends: Compatibilizer effect. <i>Polymer Engineering and Science</i> , 2000, 40, 1635-1642.	3.1	58
15	Nafion®-graft-polystyrene sulfonic acid membranes for direct methanol fuel cells. <i>Journal of Membrane Science</i> , 2006, 276, 51-58.	8.2	58
16	Pendant dual sulfonated poly(arylene ether ketone) proton exchange membranes for fuel cell application. <i>Journal of Power Sources</i> , 2016, 328, 355-363.	7.8	58
17	C2 and N3 substituted imidazolium functionalized poly(arylene ether ketone) anion exchange membrane for water electrolysis with improved chemical stability. <i>Journal of Membrane Science</i> , 2019, 581, 139-149.	8.2	57
18	Swelling and mechanical properties of glycol chitosan/poly(vinyl alcohol) IPN-type superporous hydrogels. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 78A, 662-667.	4.0	51

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19	Synthesis and selective adsorption behavior of Pd(II)-imprinted porous polymer particles. <i>Chemical Engineering Journal</i> , 2013, 232, 503-509.	12.7	51
20	Highly robust magnetically recoverable Ag/Fe <sub>2</sub> O <sub>3</sub> nanocatalyst for chemoselective hydrogenation of nitroarenes in water. <i>Applied Catalysis A: General</i> , 2017, 538, 148-156.	4.3	51
21	pH-Sensitive Micelles with Cross-Linked Cores Formed from Polyaspartamide Derivatives for Drug Delivery. <i>Langmuir</i> , 2011, 27, 12090-12097.	3.5	49
22	Anion-exchange membranes based on poly(arylene ether ketone) with pendant quaternary ammonium groups for alkaline fuel cell application. <i>Journal of Membrane Science</i> , 2016, 511, 143-150.	8.2	48
23	Metal ion-imprinted polymer microspheres derived from copper methacrylate for selective separation of heavy metal ions. <i>Journal of Applied Polymer Science</i> , 2008, 108, 14-24.	2.6	47
24	Synthesis and characterization of homogeneously sulfonated poly(ether ether ketone) membranes: Effect of casting solvent. <i>Journal of Applied Polymer Science</i> , 2008, 110, 1763-1770.	2.6	47
25	Periodic Mesoporous Organosilicas with Multiple Bridging Groups and Spherical Morphology. <i>Langmuir</i> , 2007, 23, 11844-11849.	3.5	46
26	Preparation and characterization of water-swallowable natural rubbers. <i>Journal of Applied Polymer Science</i> , 2001, 80, 115-121.	2.6	43
27	Three-dimensional cubic (Im3m) periodic mesoporous organosilicas with benzene- and thiophene-bridging groups. <i>Journal of Materials Chemistry</i> , 2009, 19, 2076.	6.7	43
28	SAXS cluster structure and properties of sPEEK/PEI composite membranes for DMFC applications. <i>Solid State Ionics</i> , 2010, 180, 1690-1693.	2.7	43
29	Effect of cerium/18-crown-6-ether coordination complex OH quencher on the properties of sulfonated poly(ether ether ketone) fuel cell electrolyte membranes. <i>Journal of Membrane Science</i> , 2014, 469, 238-244.	8.2	43
30	Proton exchange membranes based on sulfonated poly(arylene ether ketone) containing triazole group for enhanced proton conductivity. <i>Journal of Membrane Science</i> , 2015, 496, 13-20.	8.2	43
31	Chemical stability enhancement of Nafion membrane by impregnation of a novel organic ·OH radical scavenger, 3,4-dihydroxy-cinnamic acid. <i>Journal of Membrane Science</i> , 2018, 566, 1-7.	8.2	43
32	Preparation and Characterization of Nafion/Poly(1-vinylimidazole) Composite Membrane for Direct Methanol Fuel Cell Application. <i>Journal of the Electrochemical Society</i> , 2005, 152, A1366.	2.9	41
33	Cross-linked poly(ether ether ketone) membranes with pendant sulfonic acid groups for fuel cell applications. <i>Journal of Membrane Science</i> , 2010, 348, 319-325.	8.2	41
34	Synthesis of ordered mesoporous silica/ceria-silica composites and their high catalytic performance for solvent-free oxidation of benzyl alcohol at room temperature. <i>RSC Advances</i> , 2014, 4, 9213-9222.	3.6	41
35	pH-dependent hemolysis of biocompatible imidazole-grafted polyaspartamide derivatives. <i>Acta Biomaterialia</i> , 2010, 6, 2157-2164.	8.3	39
36	Cyclic ammonium grafted poly(arylene ether ketone) hydroxide ion exchange membranes for alkaline water electrolysis with high chemical stability and cell efficiency. <i>Electrochimica Acta</i> , 2018, 271, 150-157.	5.2	39

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37	Tailor-made pore controlled poly (arylene ether ketone) membranes as a lithium-ion battery separator. <i>Journal of Power Sources</i> , 2016, 304, 301-310.	7.8	38
38	Intracellular Uptake and pH-Dependent Release of Doxorubicin from the Self-Assembled Micelles Based on Amphiphilic Polyaspartamide Graft Copolymers. <i>Biomacromolecules</i> , 2015, 16, 136-144.	5.4	37
39	Enhancement of oxidative stability of PEM fuel cell by introduction of HO $\cdot$ radical scavenger in Nafion ionomer. <i>Journal of Membrane Science</i> , 2020, 613, 118517.	8.2	37
40	Tough and Flexible, Super Ion-Conductive Electrolyte Membranes for Lithium-Based Secondary Battery Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2008586.	14.9	37
41	Monodisperse Particles of Bifunctional Periodic Mesoporous Organosilica. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4897-4902.	3.1	36
42	Controlled Synthesis of a Hexagonal-Shaped NiO Nanocatalyst with Highly Reactive Facets {100} and Its Catalytic Activity. <i>ChemCatChem</i> , 2015, 7, 791-798.	3.7	36
43	Effect of Morphology and Pore Size of Sulfonated Mesoporous Benzene-silicas in the Preparation of Poly(vinyl alcohol)-Based Hybrid Nanocomposite Membranes for Direct Methanol Fuel Cell Application. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9770-9778.	2.6	35
44	Enhanced transport performance of sulfonated mesoporous benzene-silica incorporated poly(ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 58-64.	8.2	34
45	Effect of solvent/monomer feed ratio on the structure and adsorption properties of Cu <sup>2+</sup> -imprinted microporous polymer particles. <i>Chemical Engineering Journal</i> , 2011, 166, 435-444.	12.7	34
46	Poly(arylene ether ketone) with pendant pyridinium groups for alkaline fuel cell membranes. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 12496-12506.	7.1	34
47	Smart Design of Self-Assembled Mesoporous $\gamma$ -FeOOH Nanoparticles: High-Surface-Area Sorbent for Hg <sup>2+</sup> from Wastewater. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1272-1279.	6.7	34
48	Ultra-low vanadium ion permeable electrolyte membrane for vanadium redox flow battery by pore filling of PTFE substrate. <i>Energy Storage Materials</i> , 2020, 31, 105-114.	18.0	34
49	PEGDA/PVdF/F127 gel type polymer electrolyte membranes for lithium secondary batteries. <i>Journal of Power Sources</i> , 2007, 166, 202-210.	7.8	33
50	In vitro Release and in vivo Anti-tumor Efficacy of Doxorubicin from Biodegradable Temperature-sensitive Star-shaped PLGA-PEG Block Copolymer Hydrogel. <i>Polymer Journal</i> , 2008, 40, 171-176.	2.7	33
51	High-performance liquid chromatography separation characteristics of molecular-imprinted poly(methacrylic acid) microparticles prepared by suspension polymerization. <i>Journal of Applied Polymer Science</i> , 2005, 96, 200-212.	2.6	32
52	Fluorescent Dye Labeled Iron Oxide/Silica Core/Shell Nanoparticle as a Multimodal Imaging Probe. <i>Pharmaceutical Research</i> , 2014, 31, 3371-3378.	3.5	32
53	Simultaneous improvement of proton conductivity and chemical stability of Nafion membranes via embedment of surface-modified ceria nanoparticles in membrane surface. <i>Journal of Membrane Science</i> , 2022, 642, 119990.	8.2	32
54	Theoretical and experimental investigation of the swelling behavior of sodium polyacrylate superabsorbent particles. <i>Journal of Applied Polymer Science</i> , 2003, 87, 252-257.	2.6	31

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55	Strontium cross-linked sPEEK proton exchange membranes for fuel cell. <i>Solid State Ionics</i> , 2011, 192, 627-631.	2.7	31
56	Pendant-sulfonated poly(arylene ether ketone) (PAEK) membranes cross-linked with a proton conducting reagent for fuel cells. <i>Journal of Membrane Science</i> , 2012, 405-406, 176-184.	8.2	31
57	Cross-linked poly(arylene ether ketone) membranes sulfonated on both backbone and pendant position for high proton conduction and low water uptake. <i>Journal of Power Sources</i> , 2013, 222, 103-111.	7.8	31
58	Folate-PEG/Hyd-curcumin/C18-g-PSI micelles for site specific delivery of curcumin to colon cancer cells via Wnt/ $\beta$ -catenin signaling pathway. <i>Materials Science and Engineering C</i> , 2019, 101, 464-471.	7.3	31
59	Pore-filling polymer electrolyte membrane based on poly (arylene ether ketone) for enhanced dimensional stability and reduced methanol permeability. <i>Journal of Membrane Science</i> , 2017, 543, 133-142.	8.2	30
60	Advantageous of Hybrid Fuel Cell Operation under Self-Humidification for Energy Efficient Bipolar Membrane. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16493-16500.	6.7	30
61	Preparation and Properties of PHEA/Chitosan Composite Hydrogel. <i>Polymer Journal</i> , 2004, 36, 943-948.	2.7	28
62	Surface Characterization of Argon-Plasma-Modified Perfluorosulfonic Acid Membranes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4240-4246.	2.6	28
63	Synthesis and self-assembly behavior of novel polyaspartamide derivatives for anti-tumor drug delivery. <i>Colloid and Polymer Science</i> , 2011, 289, 63-71.	2.1	28
64	Cross-linked aryl-sulfonated poly(arylene ether ketone) proton exchange membranes for fuel cell. <i>Electrochimica Acta</i> , 2012, 63, 238-244.	5.2	28
65	Pore size and concentration effect of mesoporous silica nanoparticles on the coefficient of thermal expansion and optical transparency of poly(ether sulfone) films. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1937-1944.	2.8	28
66	Chemically sustainable fuel cells via layer-by-layer fabrication of sulfonated poly(arylene ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 119430.	8.2	28
67	Sulfonated mesoporous benzene-silica-embedded sulfonated poly(ether ether ketone) membranes for enhanced proton conduction and anti-dehydration. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 1063-1070.	7.1	27
68	Anion exchange membrane prepared from imidazolium grafted poly(arylene ether ketone) with enhanced durability for vanadium redox flow battery. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 71, 361-368.	5.8	27
69	Bifunctional Periodic Mesoporous Organosilicas with Thiophene and Isocyanurate Bridging Groups. <i>Langmuir</i> , 2009, 25, 13258-13263.	3.5	26
70	Selective Copper(II) Sorption Behavior of Surface-Imprinted Core-Shell-Type Polymethacrylate Microspheres. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 5679-5685.	3.7	26
71	Ceria-Containing Ordered Mesoporous Silica: Synthesis, Properties, and Applications. <i>ChemCatChem</i> , 2016, 8, 285-303.	3.7	26
72	A flexible, robust, and high ion-conducting solid electrolyte membranes enabled by interpenetrated network structure for all-solid-state lithium metal battery. <i>Journal of Energy Chemistry</i> , 2022, 68, 603-611.	12.9	26

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73	Zn <sup>2+</sup> -imprinted porous polymer beads: Synthesis, structure, and selective adsorption behavior for template ion. <i>Reactive and Functional Polymers</i> , 2013, 73, 821-827.	4.1	25
74	Surfactant-assisted synthesis of mesoporous silica/ceria-silica composites with high cerium content under basic conditions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12595.	10.3	25
75	Thermal, mechanical, and electrochemical stability enhancement of Al <sub>2</sub> O <sub>3</sub> coated polypropylene/polyethylene/polypropylene separator via poly(vinylidene fluoride)-poly(ethoxylated) Tj ETQq1 1 0.784314 rgBT /Overlo 2020, 612, 118481.	8.2	25
76	Phase Transition Behavior of Novel pH-Sensitive Polyaspartamide Derivatives Grafted with 1-(3-Aminopropyl)imidazole. <i>Macromolecular Bioscience</i> , 2006, 6, 758-766.	4.1	24
77	The effect of F127 addition on the properties of PEGDA/PVdF cross-linked gel polymer electrolytes. <i>Journal of Membrane Science</i> , 2008, 312, 76-83.	8.2	24
78	Effect of polymer solution concentration on the swelling and mechanical properties of glycol chitosan superporous hydrogels. <i>Journal of Applied Polymer Science</i> , 2010, 115, 3434-3441.	2.6	24
79	pH sensitive swelling and releasing behavior of nano-gels based on polyaspartamide graft copolymers. <i>Journal of Colloid and Interface Science</i> , 2011, 356, 100-106.	9.4	24
80	Properties and morphology study of proton exchange membranes fabricated from the pendant-sulfonated poly(arylene ether ketone) copolymers composed of hydrophobic and hydrophilic multi-blocks for fuel cell. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 16443-16456.	7.1	24
81	Pendant dual-sulfonated poly(arylene ether ketone) multi-block copolymer membranes for enhanced proton conductivity at reduced water swelling. <i>Journal of Membrane Science</i> , 2019, 578, 103-110.	8.2	24
82	Chemical stability enhancement of crown ether grafted sulfonated poly(arylene ether ketone) fuel cell membrane by cerium ion fixation. <i>Journal of Polymer Science Part A</i> , 2019, 57, 101-109.	2.3	24
83	Continuous separation of copper ions from a mixture of heavy metal ions using a three-zone carousel process packed with metal ion-imprinted polymer. <i>Journal of Chromatography A</i> , 2010, 1217, 7100-7108.	3.7	23
84	sPEEK/ZPMA composite proton exchange membrane for fuel cell application. <i>Journal of Membrane Science</i> , 2011, 371, 248-253.	8.2	23
85	Mn-Doped Ordered Mesoporous Ceria-silica Composites and Their Catalytic Properties toward Biofuel Production. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15892-15901.	3.1	23
86	Bioadhesive Nanoaggregates Based on Polyaspartamide-C18/DOPA for Wound Healing. <i>Biomacromolecules</i> , 2017, 18, 2402-2409.	5.4	23
87	Porous PTFE reinforced SPEEK proton exchange membranes for enhanced mechanical, dimensional, and electrochemical stability. <i>Polymer</i> , 2021, 218, 123506.	3.8	23
88	Flexible PVA/BMIMOTf/LLZTO composite electrolyte with liquid-comparable ionic conductivity for solid-state lithium metal battery. <i>Journal of Energy Chemistry</i> , 2022, 74, 128-139.	12.9	23
89	Gas permeation behavior of PS/PPO blends. <i>Journal of Membrane Science</i> , 1997, 127, 9-15.	8.2	22
90	Polymer composition and acidification effects on the swelling and mechanical properties of poly(acrylamide-co-acrylic acid) superporous hydrogels. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2004, 15, 189-199.	3.5	22

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91	Reaction kinetics for the synthesis of oligomeric poly(lactic acid). <i>Macromolecular Research</i> , 2005, 13, 68-72.	2.4	22
92	Synthesis, structure, and selective separation behavior of copper-imprinted microporous polymethacrylate beads. <i>AIChE Journal</i> , 2009, 55, 3248-3254.	3.6	22
93	Sulfonated poly(ether ether ketone) electrolyte membranes cross-linked with 4,4'-diaminodiphenyl ether. <i>Solid State Ionics</i> , 2011, 187, 78-84.	2.7	22
94	Solid Electrolyte Membrane Prepared from Poly(arylene ether sulfone)-Poly(ethylene glycol) for Lithium Secondary Battery. <i>ACS Applied Energy Materials</i> , 2019, 2, 2585-2595.	5.1	22
95	Poly(arylene ether ketone)-based bipolar membranes for acid-alkaline water electrolysis applications. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5485-5496.	10.3	22
96	Desaminated glycolysis of water-blown rigid polyurethane foams. <i>Journal of Applied Polymer Science</i> , 2000, 77, 2646-2656.	2.6	21
97	Drug-releasing kinetics of MPEG/PLLA block copolymer micelles with different PLLA block lengths. <i>Journal of Applied Polymer Science</i> , 2001, 82, 2599-2605.	2.6	21
98	Preparation of mesoporous benzene-silica nanoparticles. <i>Microporous and Mesoporous Materials</i> , 2009, 120, 252-256.	4.4	21
99	Multifunctional periodic mesoporous organosilicas with bridging groups formed via dynamic covalent chemistry. <i>Chemical Communications</i> , 2010, 46, 4568.	4.1	21
100	Preparation and swelling properties of hydrogel from polyaspartamide derivatives using tri-arm PEG and PEG-co-poly(amino urethane) azides as crosslinking agents. <i>Polymer</i> , 2013, 54, 1341-1349.	3.8	21
101	Comparison of proton conducting polymer electrolyte membranes prepared from multi-block and random copolymers based on poly(arylene ether ketone). <i>Journal of Power Sources</i> , 2015, 281, 146-157.	7.8	21
102	Zirconium meta-sulfonphenyl phosphonic acid-incorporated Nafion® membranes for reduction of methanol permeability. <i>Journal of Membrane Science</i> , 2008, 325, 647-652.	8.2	20
103	Catalytic activity of CeVO <sub>2</sub> /Ce <sub>2</sub> III <sub>2</sub> O <sub>3</sub> -silica mesoporous composite materials for oxidation and esterification reactions. <i>Chemical Engineering Journal</i> , 2015, 262, 1116-1125.	12.7	20
104	Chemically modified poly(arylene ether ketone)s with pendant imidazolium groups: Anion exchange membranes for alkaline fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4517-4527.	7.1	20
105	Alkaline anion exchange membrane from poly(arylene ether ketone)-g-polyimidazolium copolymer for enhanced hydroxide ion conductivity and thermal, mechanical, and hydrolytic stability. <i>Electrochimica Acta</i> , 2018, 290, 544-555.	5.2	20
106	Semi-interpenetrating polymer network electrolyte membranes composed of sulfonated poly(ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 10584-10590.	7.8	19
107	Paclitaxel loaded nano-aggregates based on pH sensitive polyaspartamide amphiphilic graft copolymers. <i>International Journal of Pharmaceutics</i> , 2012, 424, 26-32.	5.2	19
108	Preparation and properties of PEG hydrogel from PEG macromonomer with sulfonate end group. <i>Journal of Applied Polymer Science</i> , 2005, 96, 56-61.	2.6	18

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109	Cross-linked poly(arylene ether ketone) proton exchange membranes sulfonated on polymer backbone, pendant, and cross-linked sites for enhanced proton conductivity. <i>Solid State Ionics</i> , 2015, 270, 66-72.	2.7	18
110	Self-assembled nanoaggregates based on polyaspartamide graft copolymers for pH-controlled release of doxorubicin. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2978-2985.	5.8	18
111	Antioxidant proton conductive toughening agent for the hydrocarbon based proton exchange polymer membrane for enhanced cell performance and durability in fuel cell. <i>Journal of Power Sources</i> , 2018, 393, 11-18.	7.8	18
112	Micelle formation and sol-gel transition behavior of comb-like amphiphilic poly((PLGA- <i>b</i> -PEG)MA) copolymers. <i>Journal of Polymer Science Part A</i> , 2008, 46, 1954-1963.	2.3	17
113	In Situ gelling and drug release behavior from novel temperature-sensitive polyaspartamides. <i>Macromolecular Research</i> , 2011, 19, 515-518.	2.4	17
114	Porous proton exchange membranes based on sulfonated poly(arylene ether ketone)/polylactide block copolymers for enhanced proton conductivity and dimensional stability. <i>Solid State Ionics</i> , 2016, 290, 62-70.	2.7	17
115	Release Behavior of Amoxicillin from Glycol Chitosan Superporous Hydrogels. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009, 20, 853-862.	3.5	16
116	Polyaspartamide-based graft copolymers encapsulating iron oxide nanoparticles for imaging and fluorescence labelling of immune cells. <i>Biomaterials Science</i> , 2017, 5, 305-312.	5.4	16
117	Solid electrolyte membranes prepared from poly(arylene ether ketone)- <i>g</i> -polyimidazolium copolymer intergrated with ionic liquid for lithium secondary battery. <i>Journal of Power Sources</i> , 2019, 422, 57-64.	7.8	16
118	Solid electrolyte membranes prepared from poly(arylene ether sulfone)- <i>g</i> -poly(ethylene glycol) with various functional end groups for lithium-ion battery. <i>Journal of Membrane Science</i> , 2021, 621, 119023.	8.2	16
119	Production of optically pure poly(lactic acid) from lactic acid. <i>Polymer Bulletin</i> , 2009, 63, 637-651.	3.3	15
120	Sulfonated PEEK/cubic (Im <sup>3</sup> m) mesoporous benzene-silica composite membranes operable at low humidity. <i>Solid State Ionics</i> , 2011, 203, 1-8.	2.7	15
121	Gold-installed biostable nanocomplexes for tumor-targeted siRNA delivery in vivo. <i>Chemical Communications</i> , 2015, 51, 16656-16659.	4.1	15
122	Synthesis of acryl phosphate antistatic agent and its effect on the antistatic, thermal and mechanical properties of PMMA. <i>Macromolecular Research</i> , 2007, 15, 617-622.	2.4	14
123	Cross-linked poly(arylene ether ketone) electrolyte membranes with enhanced proton conduction for fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 19007-19016.	7.1	14
124	Synthesis of Hollow Doughnut Shape Mesoporous Silica Nanoparticle: A Case of Self-Assembly Composite Templates. <i>Langmuir</i> , 2018, 34, 3901-3908.	3.5	14
125	Encapsulation of superparamagnetic iron oxide nanoparticles with polyaspartamide biopolymer for hyperthermia therapy. <i>European Polymer Journal</i> , 2020, 122, 109396.	5.4	14
126	High voltage stable solid-state lithium battery based on the nano-conductor imbedded flexible hybrid solid electrolyte with hyper-ion conductivity and thermal, mechanical, and adhesive stability. <i>Chemical Engineering Journal</i> , 2022, 435, 135092.	12.7	14

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127	Accelerated ion conduction by co-grafting of poly(ethylene glycol) and nitrile-terminated ionic liquid on poly(arylene ether sulfone) for solid electrolyte membranes for lithium ion battery. <i>Journal of Power Sources</i> , 2022, 529, 231255.	7.8	14
128	Crystallinity, thermal properties, morphology and conductivity of quaternary plasticized PEO-based polymer electrolytes. <i>Polymer International</i> , 2007, 56, 381-388.	3.1	13
129	SO <sub>2</sub> permeability and proton conductivity of sPEEK membranes for SO <sub>2</sub> -depolarized electrolyzer. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 7919-7926.	7.1	13
130	All solid polymer electrolytes based on polar side group rotation for rechargeable lithium batteries. <i>Polymers for Advanced Technologies</i> , 2010, 21, 797-801.	3.2	13
131	Synthesis and Selective Sorption Behavior of Pt(IV) Ion-Imprinted Polymer Particles. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 13340-13347.	3.7	13
132	Dual sulfonated poly(arylene ether ketone) membrane grafted with 15-crown-5-ether for enhanced proton conductivity and anti-oxidation stability. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 901-911.	3.4	13
133	Anion Exchange Membranes Prepared from Quaternized Polyepichlorohydrin Cross-Linked with 1-(3-aminopropyl)imidazole Grafted Poly(arylene ether ketone) for Enhancement of Toughness and Conductivity. <i>Membranes</i> , 2020, 10, 138.	3.0	13
134	Direct synthesis of sulfonic acid-functionalized periodic mesoporous benzene-silicas with large pores. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1142-1146.	4.0	12
135	Multifunctional periodic mesoporous organosilicas prepared with block copolymer: Composition effect on morphology. <i>Microporous and Mesoporous Materials</i> , 2008, 113, 530-537.	4.4	12
136	Role of Aluminum Salts in the Synthesis of Polymer-Templated Periodic Mesoporous Organosilicas. <i>Chemistry of Materials</i> , 2008, 20, 2468-2475.	6.7	12
137	Periodic Mesoporous Benzene- and Thiophene-Silicas Prepared Using Aluminum Chloride as an Acid Catalyst: Effect of Aluminum Salt/Organosilane Ratio and Stirring Time. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5111-5119.	3.1	12
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