

Chunhui Shen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

294
citations

9
h-index

16
g-index

33
ext. papers

369
ext. citations

4.2
avg, IF

3.61
L-index

#	Paper	IF	Citations
31	High performance electrospun bipolar membrane with a 3D junction. <i>Energy and Environmental Science</i> , 2017 , 10, 1435-1442	35.4	86
30	High temperature proton exchange membranes prepared from epoxycyclohexylethyltrimethoxysilane and amino trimethylene phosphonic acid as anhydrous proton conductors. <i>Materials Chemistry and Physics</i> , 2013 , 140, 24-30	4.4	30
29	Facile one-step fabrication of sulfonated polyhedral oligomeric silsesquioxane cross-linked poly(ether ether ketone) for proton exchange membranes. <i>Polymer Chemistry</i> , 2018 , 9, 3624-3632	4.9	25
28	Preparation of cationic konjac glucomannan in NaOH/urea aqueous solution. <i>Carbohydrate Polymers</i> , 2018 , 181, 736-743	10.3	19
27	Synthesis and characterization of cross-linked quaternized chitosan/poly(diallyldimethylammonium chloride) blend anion-exchange membranes. <i>Ionics</i> , 2018 , 24, 1173-1180	2.7	16
26	High-temperature proton exchange membrane with dual proton transfer channels by incorporating phosphonic acid functionalized siloxane into poly(2,6-dimethyl-1,4-phenyleneoxide) (PPO). <i>Solid State Ionics</i> , 2019 , 337, 193-204	3.3	15
25	Preparation and characterization of phosphonic acid functionalized siloxane/polyimide composite proton exchange membranes. <i>Solid State Ionics</i> , 2016 , 287, 1-7	3.3	15
24	Preparation of inorganic-organic hybrid proton exchange membrane with chemically bound hydroxyethane diphosphonic acid. <i>Journal of Applied Polymer Science</i> , 2012 , 126, 954-959	2.9	11
23	Phosphonic acid functionalized siloxane crosslinked with 3-glycidoxypropyltrimethoxysilane grafted polybenzimidazole high temperature proton exchange membranes. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	10
22	Synthesis and characterization of high temperature proton exchange membrane from isocyanatopropyltriethoxysilane and hydroxyethane diphosphonic acid. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 363-372	6.7	9
21	Synthesis of cyanoethyl konjac glucomannan and its liquid crystalline behavior in an ionic liquid. <i>Journal of Polymer Research</i> , 2012 , 19, 1	2.7	8
20	The flame retardant and thermal performances of polypropylene with a novel intumescent flame retardant. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49047	2.9	6
19	Dissolution of konjac glucomannan with room temperature ionic liquids. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011 , 26, 703-709	1	6
18	Proton Exchange Membrane with Enlarged Operating Temperature by Incorporating Phosphonic Acid Functionalized and Crosslinked Siloxane in Sulfonated Poly(ether ether ketone) (SPEEK) Matrix. <i>Macromolecular Research</i> , 2018 , 26, 173-181	1.9	6
17	Novel imidazole-grafted hybrid anion exchange membranes based on poly(2,6-dimethyl-1,4-phenylene oxide) for fuel cell applications. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46034	2.9	5
16	Preparation and Characterization of Non-N-Bonded Side-Chain Anion Exchange Membranes Based on Poly(2,6-dimethyl-1,4-phenylene oxide). <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 1715-1724	3.9	4
15	Preparation of polysiloxane phosphonic acid doped polybenzimidazole high-temperature proton-exchange membrane. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	4

14	Preparation and characterization of chitosan gel beads crosslinked by organic titanium. <i>Journal of Polymer Research</i> , 2015 , 22, 1	2.7	3
13	Preparation conditions of inorganic-organic hybrid membranes synthesized from Epoxycyclohexylethyltrimethoxysilane and 1-hydroxyethane-1, 1-diphosphonic acid. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 66, 84-90	2.3	3
12	Crosslinked Proton Exchange Membranes with a Wider Working Temperature Based on Phosphonic Acid Functionalized Siloxane and PPO. <i>Macromolecular Research</i> , 2021 , 29, 199-210	1.9	2
11	Multi-cation side-chain-type containing piperidinium group poly(2,6-dimethyl-1,4-phenylene oxide) alkaline anion exchange membranes. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50736	2.9	2
10	Crosslinked Anion Exchange Membranes Based on Styrene/Acrylonitrile/Vinylimidazole Copolymer and PPO. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 094506	3.9	2
9	Acid-base high temperature proton exchange membranes prepared from phosphonic acid functionalized siloxane. <i>Ionics</i> , 2017 , 23, 949-958	2.7	1
8	Synthesis and properties of novel crosslinking anion exchange membranes based on quaternary poly(fluorene-piperidine). <i>Colloids and Interface Science Communications</i> , 2022 , 46, 100584	5.4	1
7	Novel proton exchange membranes based on sulfonated poly (ether-ether-ketone)/phosphonic acid-functionalized siloxane. <i>Chemical Physics</i> , 2020 , 532, 110594	2.3	1
6	Gelation of Konjac glucomannan crosslinked by organotitanium chelated with different ligands. <i>Journal of Sol-Gel Science and Technology</i> , 2021 , 98, 401-410	2.3	1
5	Quaternized poly (2,6-dimethyl-1,4-phenylene oxide) crosslinked by tertiary amine and siloxane for anion exchange membranes. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50201	2.9	1
4	Preparation Process Orthogonal Optimization and Mechanical Properties of Microcellular Foam Polypropylene. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2100350	3.9	1
3	Study on synthesis and demolding performance of polyethylene glycol fatty acid mold release agents. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 4061-4069	3.2	0
2	Trimethyl-Ammonium Alkaline Anion Exchange Membranes with the Vinylbenzyl Chloride/Acrylonitrile Main Chain. <i>Macromolecular Research</i> , 2021 , 29, 494-504	1.9	0
1	Preparation and characterization of proton exchange membrane based on polyphosphoric acid modified by PVDF-HFP. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46737	2.9	