

Jilin Wang

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29
papers

358
citations

11
h-index

18
g-index

29
ext. papers

420
ext. citations

3.6
avg, IF

4.01
L-index

#	Paper	IF	Citations
29	Anion exchange membranes based on semi-interpenetrating polymer network of quaternized chitosan and polystyrene. <i>Journal of Colloid and Interface Science</i> , 2011 , 361, 219-25	9.3	82
28	Fabrication and characterization of phosphoric acid doped imidazolium ionic liquid polymer composite membranes. <i>Journal of Molecular Liquids</i> , 2015 , 206, 10-18	6	40
27	Preparation and properties of organic/inorganic alkaline hybrid membranes for direct methanol fuel cell application. <i>Solid State Ionics</i> , 2014 , 255, 96-103	3.3	29
26	4-formyl dibenzo-18-crown-6 grafted polyvinyl alcohol as anion exchange membranes for fuel cell. <i>European Polymer Journal</i> , 2019 , 112, 581-590	5.2	20
25	Synthesis and characterization of novel anion exchange membranes containing bi-imidazolium-based ionic liquid for alkaline fuel cells. <i>Solid State Ionics</i> , 2015 , 278, 144-151	3.3	19
24	Preparation of anion exchange membranes based on pyridine functionalized poly(vinyl alcohol) crosslinked by 1,4-dichlorobutane. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47395	2.9	17
23	Hydroxide Ion Highway Constructed by Orderly Aligned Quaternary Ammonium Groups in Anion Exchange Membranes. <i>Journal of the Electrochemical Society</i> , 2017 , 164, F1051-F1062	3.9	16
22	Synthesis of gemini basic ionic liquids and their application in anion exchange membranes.. <i>RSC Advances</i> , 2018 , 8, 10185-10196	3.7	15
21	Preparation and Characterization of A Semi-interpenetrating Network Alkaline Anion Exchange Membrane. <i>Fibers and Polymers</i> , 2018 , 19, 11-21	2	14
20	Research on methanol permeation of proton exchange membranes with incorporating ionic liquids. <i>Journal of Polymer Research</i> , 2017 , 24, 1	2.7	13
19	Synthesized Geminal-imidazolium-type ionic liquids applying for PVA-FP/[DimL][OH] anion exchange membranes for fuel cells. <i>Polymer</i> , 2019 , 170, 31-42	3.9	13
18	Formation and evaluation of interpenetrating networks of anion exchange membranes based on quaternized chitosan and copolymer poly(acrylamide)/polystyrene. <i>Solid State Ionics</i> , 2015 , 278, 49-57	3.3	11
17	Preparation and characterization of chitosan-crown ether membranes for alkaline fuel cells. <i>Synthetic Metals</i> , 2019 , 247, 109-115	3.6	11
16	Preparation and characterization of a polyvinyl alcohol grafted bis-crown ether anion exchange membrane with high conductivity and strong alkali stability. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 16738-16750	6.7	9
15	Preparation and characterization of a sol-gel derived silica/PVA-Py hybrid anion exchange membranes for alkaline fuel cell application. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 873, 114342	4.1	9
14	Schiff base functionalized chitosan anion exchange membranes with 1,4-dichlorobutane as the crosslinker. <i>Journal of Molecular Structure</i> , 2019 , 1195, 807-814	3.4	8
13	Preparation and characterization of high conductivity comb polymer anion exchange membranes. <i>European Polymer Journal</i> , 2020 , 122, 109379	5.2	8

12	Study on adsorption properties of QCS/PS-G8-2-8 anion exchange membrane for Rhodamine B. <i>Journal of Molecular Structure</i> , 2015 , 1089, 116-123	3.4	6
11	Photocatalytic degradation of rhodamine B based on membrane catalyst of H3O40PW12/quaternized chitosan. <i>Water and Environment Journal</i> , 2018 , 32, 585-596	1.7	3
10	Preparation of Polysulfone anion exchange membranes incorporated with Gemini cationic molecules. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	2
9	Competitive Adsorption removal of Congo red and Rhodamine B over alkaline membrane from in situ polymerization of Gemini cationic molecule. <i>Journal of the Iranian Chemical Society</i> , 2018 , 15, 141-152	2	2
8	Study on QPVA/TEOS hybrid anion membrane functionalized with quaternary ammonium groups for adsorption of Rhodamine B from aqueous solutions. <i>Journal of the Iranian Chemical Society</i> , 2017 , 14, 9-18	2	2
7	Ordered channels for OH ⁻ migration formed by quaternized mesoporous silica and its application in anionic conductive membranes. <i>Materials Technology</i> , 2021 , 36, 26-35	2.1	2
6	Preparation of anion exchange membrane by incorporating IRMOF-3 in quaternized chitosan. <i>Polymer Bulletin</i> , 2021 , 78, 3785-3801	2.4	2
5	Preparation of composite anion exchange membranes based on in-situ copolymerization of N-vinyl formamide and divinylbenzene in porous PTFE. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 49872	2.9	2
4	Construction of ordered OH ⁻ migration channels in anion exchange membrane by synergizes of cationic metal-organic framework and quaternary ammonium groups. <i>International Journal of Energy Research</i> , 2021 , 45, 10895-10911	4.5	2
3	Preparation of Polymeric Pour Point Depressants for Shale Oil. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2006 , 28, 757-762	1.6	1
2	Esterification modification and characterization of polyvinyl alcohol anion exchange membrane for direct methanol fuel cell. <i>Journal of Polymer Research</i> , 2022 , 29, 1	2.7	0
1	Preparation and characterization of organic-inorganic hybrid anion exchange membrane based on crown ether functionalized mesoporous SBA-NH ₂ . <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 14141-14157	6.7	0