

Jilin Wang

List of Publications by Year in descending order

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29
papers

497
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times ranked

514
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Anion exchange membranes based on semi-interpenetrating polymer network of quaternized chitosan and polystyrene. <i>Journal of Colloid and Interface Science</i> , 2011, 361, 219-225. | 5.0 | 92 |
| 2 | Fabrication and characterization of phosphoric acid doped imidazolium ionic liquid polymer composite membranes. <i>Journal of Molecular Liquids</i> , 2015, 206, 10-18. | 2.3 | 49 |
| 3 | Preparation and properties of organic-inorganic alkaline hybrid membranes for direct methanol fuel cell application. <i>Solid State Ionics</i> , 2014, 255, 96-103. | 1.3 | 34 |
| 4 | 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. | 2.6 | 32 |
| 5 | 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. | 1.3 | 26 |
| 6 | 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. | 1.3 | 22 |
| 7 | 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. | 1.9 | 22 |
| 8 | Synthesis of gemini basic ionic liquids and their application in anion exchange membranes. <i>RSC Advances</i> , 2018, 8, 10185-10196. | 1.7 | 21 |
| 9 | 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. | 1.8 | 20 |
| 10 | 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. | 1.3 | 17 |
| 11 | 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. | 3.8 | 17 |
| 12 | 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. | 1.3 | 16 |
| 13 | Preparation and Characterization of A Semi-interpenetrating Network Alkaline Anion Exchange Membrane. <i>Fibers and Polymers</i> , 2018, 19, 11-21. | 1.1 | 16 |
| 14 | Research on methanol permeation of proton exchange membranes with incorporating ionic liquids. <i>Journal of Polymer Research</i> , 2017, 24, 1. | 1.2 | 15 |
| 15 | Schiff base functionalized chitosan anion exchange membranes with 1,4-dichlorobutane as the crosslinker. <i>Journal of Molecular Structure</i> , 2019, 1195, 807-814. | 1.8 | 14 |
| 16 | Preparation and characterization of chitosan-crown ether membranes for alkaline fuel cells. <i>Synthetic Metals</i> , 2019, 247, 109-115. | 2.1 | 14 |
| 17 | Preparation and characterization of high conductivity comb polymer anion exchange membranes. <i>European Polymer Journal</i> , 2020, 122, 109379. | 2.6 | 11 |
| 18 | Esterification modification and characterization of polyvinyl alcohol anion exchange membrane for direct methanol fuel cell. <i>Journal of Polymer Research</i> , 2022, 29, 1. | 1.2 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 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. | 2.2 | 9 |
| 20 | 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. | 1.8 | 8 |
| 21 | 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. | 3.8 | 7 |
| 22 | 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. | 1.2 | 5 |
| 23 | Photocatalytic degradation of rhodamine B based on membrane catalyst of $\text{H}_3\text{O}^+\text{PW}_{12}$ /quaternized chitosan. <i>Water and Environment Journal</i> , 2018, 32, 585-596. | 1.0 | 5 |
| 24 | 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. | 1.2 | 3 |
| 25 | Preparation of Polysulfone anion exchange membranes incorporated with Gemini cationic molecules. <i>Journal of Polymer Research</i> , 2019, 26, 1. | 1.2 | 3 |
| 26 | Preparation of anion exchange membrane by incorporating IRMOF-3 in quaternized chitosan. <i>Polymer Bulletin</i> , 2021, 78, 3785-3801. | 1.7 | 3 |
| 27 | 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. | 1.3 | 3 |
| 28 | 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. | 1.5 | 2 |
| 29 | Preparation of Polymeric Pour Point Depressants for Shale Oil. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2006, 28, 757-762. | 1.2 | 1 |