Zhe Sun

List of Publications by Year
in descending order

24 papers	1,405 citations	361296 20 h-index	610775 24 g-index
24 all docs	24 docs citations	24 times ranked	1338 citing authors

#	Article	IF	Citations
1	Moistureâ€Wicking, Breathable, and Intrinsically Antibacterial Electronic Skin Based on Dualâ€Gradient Poly(ionic liquid) Nanofiber Membranes. Advanced Materials, 2022, 34, e2106570.	11.1	110
2	Poly(ionic liquid)â€Based Energy and Electronic Devices. Chinese Journal of Chemistry, 2022, 40, 1099-1108.	2.6	15
3	High-density sulfonic acid-grafted covalent organic frameworks with efficient anhydrous proton conduction. Journal of Materials Chemistry A, 2022, 10, 6499-6507.	5.2	27
4	Recyclable, Healable, and Tough Ionogels Insensitive to Crack Propagation. Advanced Materials, 2022, 34, e2203049.	11.1	82
5	UV-crosslinkable anthracene-based ionomer derived gas â€œExpresswayâ€• for anion exchange membrane fuel cells. Journal of Materials Chemistry A, 2022, 10, 13355-13367.	5.2	15
6	Alkaline stable pyrrolidinium-type main-chain polymer: The synergetic effect between adjacent cations. Journal of Membrane Science, 2021, 618, 118689.	4.1	20
7	Flexible cationic side chains for enhancing the hydroxide ion conductivity of olefinic-type copolymer-based anion exchange membranes: An experimental and theoretical study. Journal of Membrane Science, 2021, 620, 118794.	4.1	26
8	Robust and High-Temperature-Resistant Nanofiber Membrane Separators for Liâ€“Metal, Liâ€“Sulfur, and Aqueous Li-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 16289-16299.	4.0	30
9	Highly Conductive and Dimensionally Stable Anion Exchange Membranes Based on Poly(dimethoxybenzene-co-methyl 4-formylbenzoate) Ionomers. Macromolecules, 2021, 54, 5557-5566.	2.2	24
10	Interaction Regulation Between Ionomer Binder and Catalyst: Active Tripleâ€Phase Boundary and High Performance Catalyst Layer for Anion Exchange Membrane Fuel Cells. Advanced Science, 2021, 8, e2101744.	5.6	34
11	Machine learning analysis and prediction models of alkaline anion exchange membranes for fuel cells. Energy and Environmental Science, 2021, 14, 3965-3975.	15.6	29
12	Imidazolium-based ionic polyurethanes with high toughness, tunable healing efficiency and antibacterial activities. Polymer Chemistry, 2020, 11, 867-875.	1.9	45
13	Poly(ionic liquid)-Based Conductive Interlayer as an Efficient Polysulfide Adsorbent for a Highly Stable Lithiumâ€“Sulfur Battery. ACS Sustainable Chemistry and Engineering, 2020, 8, 11396-11403.	3.2	25
14	Synthesis and characterization of main-chain type polyimidazolium-based alkaline anion exchange membranes. Journal of Membrane Science, 2020, 610, 118283.	4.1	33
15	Ionic liquidâ€“based click-ionogels. Science Advances, 2019, 5, eaax0648.	4.7	230
16	Antibacterial Amino Acid-Based Poly(ionic liquid) Membranes: Effects of Chirality, Chemical Bonding Type, and Application for MRSA Skin Infections. ACS Applied Bio Materials, 2019, 2, 4418-4426.	2.3	26
17	Integrated Endotoxin Adsorption and Antibacterial Properties of Cationic Polyurethane Foams for Wound Healing. ACS Applied Materials & Interfaces, 2019, 11, 2860-2869.	4.0	67
18	Anionâ€Exchange Membranes for Alkaline Fuelâ€Cell Applications: The Effects of Cations. ChemSusChem, 2018, 11, 58-70.	3.6	194

#	Article	IF	Citations
19	The Alkaline Stability of Anion Exchange Membrane for Fuel Cell Applications: The Effects of Alkaline Media. Advanced Science, 2018, 5, 1800065.	5.6	107
20	Recyclable and Intrinsically Antiâ€cyanobacterial Polyanionic Membranes. Chemistry - an Asian Journal, 2017, 12, 2950-2955.	1.7	2
21	Antimicrobial polyurethane foams having cationic ammonium groups. Journal of Applied Polymer Science, 2017, 134, 45473.	1.3	23
22	Spirocyclic quaternary ammonium cations for alkaline anion exchange membrane applications: an experimental and theoretical study. RSC Advances, 2016, 6, 94387-94398.	1.7	43
23	Alkaline stable imidazolium-based ionomers containing poly(arylene ether sulfone) side chains for alkaline anion exchange membranes. Journal of Materials Chemistry A, 2014, 2, 4413.	5.2	73
24	Base Stable Pyrrolidinium Cations for Alkaline Anion Exchange Membrane Applications. Macromolecules, 2014, 47, 6740-6747.	2.2	125