Liang Ge

List of Publications by Year
in descending order

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72	4,287	94381 37	110317 64
papers	citations	h-index	g-index

72	72	72	3705
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cationic covalent organic framework membranes for efficient dye/salt separation. Journal of Membrane Science, 2022, 644, 120118.	4.1	50
2	Inâ€šsitu interfacial polymerization endows surface enrichment of ï£¿COOH groups on anion exchange membranes for efficient Cl^{â^'}/SO₄²^{â^'} separation. Journal of Polymer Science, 2022, 60, 3022-3034.	2.0	8
3	Novel Poly(ester amide) Membranes with Tunable Crosslinked Structures for Nanofiltration. ACS Applied Materials & Interfaces, 2022, 14, 10782-10792.	4.0	30
4	Ionâ€â€œdistillationâ€•for isolating lithium from lake brine. AICHE Journal, 2022, 68, .	1.8	26
5	Highly Ion-Permselective Porous Organic Cage Membranes with Hierarchical Channels. Journal of the American Chemical Society, 2022, 144, 10220-10229.	6.6	67
6	Polyamide-Based Electronanofiltration Membranes for Efficient Anion Separation. Industrial & Engineering Chemistry Research, 2022, 61, 9869-9878.	1.8	6
7	Zwitterion membranes for selective cation separation via electrodialysis. Separation and Purification Technology, 2021, 254, 117619.	3.9	27
8	Ion Exchange Membrane â€œ<scp>ABC</scp>â€•â€“ A Key Material for Upgrading Process Industries. Chinese Journal of Chemistry, 2021, 39, 825-837.	2.6	8
9	Efficient Ion Sieving in Covalent Organic Framework Membranes with Subâ€2â€Nanometer Channels. Advanced Materials, 2021, 33, e2104404.	11.1	131
10	Spray-deposited thin-film composite MOFs membranes for dyes removal. Journal of Membrane Science, 2021, 635, 119475.	4.1	30
11	Exploring H-bonding interaction to enhance proton permeability of an acid-selective membrane. Journal of Membrane Science, 2021, 637, 119650.	4.1	13
12	Soluble polymeric metal-organic frameworks toward crystalline membranes for efficient cation separation. Journal of Membrane Science, 2021, 639, 119757.	4.1	8
13	Preparation of click-driven cross-linked anion exchange membranes with low water uptake. Particuology, 2020, 48, 65-73.	2.0	13
14	Electro-nanofiltration membranes with positively charged polyamide layer for cations separation. Journal of Membrane Science, 2020, 594, 117453.	4.1	57
15	Self-organized nanostructured anion exchange membranes for acid recovery. Chemical Engineering Journal, 2020, 382, 122838.	6.6	48
16	Ti-exchanged UiO-66-NH2â€“containing polyamide membranes with remarkable cation permselectivity. Journal of Membrane Science, 2020, 615, 118608.	4.1	57
17	Bipolar membrane electrodialysis for cleaner production of <scp>Nâ€methylated</scp> glycine derivative amino acids. AICHE Journal, 2020, 66, e17023.	1.8	26
18	Beneficial Use of a Coordination Complex As the Junction Catalyst in a Bipolar Membrane. ACS Applied Energy Materials, 2020, 3, 5765-5773.	2.5	25

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19	In-situ crosslinked AEMs with self-assembled nanostructure for acid recovery. Separation and Purification Technology, 2020, 247, 116927.	3.9	20
20	PVA-Based Mixed Matrix Membranes Comprising ZSM-5 for Cations Separation. Membranes, 2020, 10, 114.	1.4	19
21	Sulfonated Microporous Polymer Membranes with Fast and Selective Ion Transport for Electrochemical Energy Conversion and Storage. Angewandte Chemie, 2020, 132, 9651-9660.	1.6	20
22	Sulfonated Microporous Polymer Membranes with Fast and Selective Ion Transport for Electrochemical Energy Conversion and Storage. Angewandte Chemie - International Edition, 2020, 59, 9564-9573.	7.2	145
23	Engineering Leaf-Like UiO-66-SO3H Membranes for Selective Transport of Cations. Nano-Micro Letters, 2020, 12, 51.	14.4	64
24	A solvent-assisted ligand exchange approach enables metal-organic frameworks with diverse and complex architectures. Nature Communications, 2020, 11, 927.	5.8	93
25	A novel mixed matrix membrane framework for ultrafast cation sieving. Chemical Communications, 2020, 56, 6543-6546.	2.2	7
26	Biomimetic Nanocones that Enable High Ion Permselectivity. Angewandte Chemie, 2019, 131, 12776-12784.	1.6	20
27	Biomimetic Nanocones that Enable High Ion Permselectivity. Angewandte Chemie - International Edition, 2019, 58, 12646-12654.	7.2	47
28	In-situ crosslinked SPPO/PVA composite membranes for alkali recovery via diffusion dialysis. Journal of Membrane Science, 2019, 590, 117267.	4.1	32
29	SPPO-based cation exchange membranes with a positively charged layer for cation fractionation. Desalination, 2019, 472, 114145.	4.0	26
30	Hydrophobic Side Chains Impart Anion Exchange Membranes with High Monovalentâ€“Divalent Anion Selectivity in Electrodialysis. ACS Sustainable Chemistry and Engineering, 2019, 7, 4429-4442.	3.2	65
31	Zwitterion structure membrane provides high monovalent/divalent cation electrodialysis selectivity: Investigating the effect of functional groups and operating parameters. Journal of Membrane Science, 2019, 588, 117211.	4.1	39
32	Highly Cation Permselective Metalâ€“Organic Framework Membranes with Leafâ€Like Morphology. ChemSusChem, 2019, 12, 2593-2597.	3.6	61
33	Cross-linked anion exchange membranes with hydrophobic side-chains for anion separation. Journal of Membrane Science, 2019, 581, 150-157.	4.1	39
34	Cation exchange membrane integrated with cationic and anionic layers for selective ion separation via electrodialysis. Desalination, 2019, 458, 25-33.	4.0	53
35	Layerâ€byâ€Layer Assembled gâ€C₃N₄ Nanosheets/Cellulose Nanofibers Oriented Membraneâ€Filler Leading to Enhanced Thermal Conductivity. Advanced Materials Interfaces, 2019, 6, 1801406.	1.9	31
36	Anion-immobilized polymer electrolyte achieved by cationic metal-organic framework filler for dendrite-free solid-state batteries. Energy Storage Materials, 2019, 18, 59-67.	9.5	237

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37	Asymmetric porous monovalent cation perm-selective membranes with an ultrathin polyamide selective layer for cations separation. Journal of Membrane Science, 2018, 557, 49-57.	4.1	53
38	High performance anion exchange membrane with proton transport pathways for diffusion dialysis. Separation and Purification Technology, 2018, 193, 11-20.	3.9	57
39	Monovalent cations permselective membranes with zwitterionic side chains. Journal of Membrane Science, 2018, 563, 320-325.	4.1	48
40	Nanofibrous composite membranes (NFCMs) for mono/divalent cations separation. Journal of Membrane Science, 2017, 528, 243-250.	4.1	47
41	Fabrication of cation exchange membrane from polyvinyl alcohol using lignin sulfonic acid: Applications in diffusion dialysis process for alkali recovery. Separation Science and Technology, 2017, 52, 1106-1113.	1.3	10
42	Advanced charged porous membranes with ultrahigh selectivity and permeability for acid recovery. Journal of Membrane Science, 2017, 536, 11-18.	4.1	36
43	Click mediated high-performance anion exchange membranes with improved water uptake. Journal of Materials Chemistry A, 2017, 5, 1022-1027.	5.2	39
44	Preparation and characterization of click-driven N-vinylcarbazole-based anion exchange membranes with improved water uptake for fuel cells. RSC Advances, 2017, 7, 29794-29805.	1.7	18
45	Novel synthetic route to prepare doubly quaternized anion exchange membranes for diffusion dialysis application. Separation and Purification Technology, 2017, 189, 204-212.	3.9	27
46	A general route to the synthesis of layer-by-layer structured metal organic framework/graphene oxide hybrid films for high-performance supercapacitor electrodes. Journal of Materials Chemistry A, 2017, 5, 16865-16872.	5.2	54
47	Monovalent cation perm-selective membranes (MCPMs): New developments and perspectives. Chinese Journal of Chemical Engineering, 2017, 25, 1606-1615.	1.7	88
48	Ion exchange membranes: New developments and applications. Journal of Membrane Science, 2017, 522, 267-291.	4.1	650
49	Improved acid recovery performance by novel Poly(DMAEM-co-Î³-MPS) anion exchange membrane via diffusion dialysis. Journal of Membrane Science, 2017, 525, 163-174.	4.1	49
50	Development of PVA/MIDA based hybrid cation exchange membranes for alkali recovery via Diffusion Dialysis. Separation and Purification Technology, 2016, 164, 63-69.	3.9	16
51	Enhancing acid recovery efficiency by implementing oligomer ionic bridge in the membrane matrix. Journal of Membrane Science, 2016, 518, 263-272.	4.1	12
52	An ordered ZIF-8-derived layered double hydroxide hollow nanoparticles-nanoflake array for high efficiency energy storage. Journal of Materials Chemistry A, 2016, 4, 16953-16960.	5.2	81
53	Cationic metalâ€“organic framework porous membranes with high hydroxide conductivity and alkaline resistance for fuel cells. Journal of Materials Chemistry A, 2016, 4, 14545-14549.	5.2	34
54	Facile synthesis of pyridinium functionalized anion exchange membranes for diffusion dialysis application. Separation and Purification Technology, 2016, 167, 108-116.	3.9	44

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55	Proton exchange membrane from tetrazole-based poly (phthalazinone ether sulfone ketone) for high-temperature fuel cells. International Journal of Hydrogen Energy, 2016, 41, 12337-12346.	3.8	47
56	Decorating nanoporous ZIF-67-derived NiCo₂O₄ shells on a Co₃O₄ nanowire array core for battery-type electrodes with enhanced energy storage performance. Journal of Materials Chemistry A, 2016, 4, 10878-10884.	5.2	148
57	Novel silica-functionalized aminoisophthalic acid-based membranes for base recovery via diffusion dialysis. Journal of Membrane Science, 2016, 507, 90-98.	4.1	21
58	Mixed matrix proton exchange membranes for fuel cells: State of the art and perspectives. Progress in Polymer Science, 2016, 57, 103-152.	11.8	262
59	Electrodialysis with nanofiltration membrane (EDNF) for high-efficiency cations fractionation. Journal of Membrane Science, 2016, 498, 192-200.	4.1	100
60	Imidazolium functionalized anion exchange membrane blended with PVA for acid recovery via diffusion dialysis process. Journal of Membrane Science, 2016, 497, 209-215.	4.1	86
61	Adsorption of methyl orange from aqueous solution on anion exchange membranes: Adsorption kinetics and equilibrium. Membrane Water Treatment, 2016, 7, 23-38.	0.5	12
62	Facile preparation of 1,8-Diazabicyclo[5.4.0]undec-7-ene based high performance anion exchange membranes for diffusion dialysis applications. Journal of Membrane Science, 2015, 491, 45-52.	4.1	60
63	Anion exchange membranes from hot-pressed electrospun QPPOâ€“SiO2 hybrid nanofibers for acid recovery. Journal of Membrane Science, 2015, 480, 115-121.	4.1	42
64	Preparation of porous poly(vinylidene fluoride) membranes with acrylate particles for electrodialysis application. Separation and Purification Technology, 2015, 150, 102-111.	3.9	26
65	Precisely tailoring ZIF-67 nanostructures from cobalt carbonate hydroxide nanowire arrays: toward high-performance battery-type electrodes. Journal of Materials Chemistry A, 2015, 3, 16688-16694.	5.2	74
66	One-pot preparation of anion exchange membranes from bromomethylated poly(2,6-dimethyl-1,4-phenylene oxide) for electrodialysis. Chemical Engineering Science, 2015, 135, 526-531.	1.9	16
67	Preparation of proton selective membranes through constructing H+ transfer channels by acidâ€“base pairs. Journal of Membrane Science, 2015, 475, 273-280.	4.1	57
68	Sandwich structure SPPO/BPPO proton exchange membranes for fuel cells: Morphologyâ€“electrochemical properties relationship. Journal of Membrane Science, 2015, 475, 30-38.	4.1	32
69	Preparation of monovalent cation selective membranes through annealing treatment. Journal of Membrane Science, 2014, 459, 217-222.	4.1	55
70	Cation exchange membranes from hot-pressed electrospun sulfonated poly(phenylene oxide) nanofibers for alkali recovery. Journal of Membrane Science, 2014, 470, 479-485.	4.1	27
71	Oriented MOF-polymer Composite Nanofiber Membranes for High Proton Conductivity at High Temperature and Anhydrous Condition. Scientific Reports, 2014, 4, 4334.	1.6	81
72	A novel route for preparing highly proton conductive membrane materials with metal-organic frameworks. Chemical Communications, 2013, 49, 143-145.	2.2	130