

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Single-atom Co-N-C catalyst for efficient HgO oxidation at low temperature. <i>Chemical Engineering Journal</i> , 2022, 428, 132660.	6.6	18
2	Micro-phase separation promoted by electrostatic field in electrospinning of alkaline polymer electrolytes: DFT and MD simulations. <i>Chemical Engineering Science</i> , 2022, 248, 117171.	1.9	9
3	Oxidized black phosphorus nanosheets/sulfonated poly (ether ether ketone) composite membrane for vanadium redox flow battery. <i>Journal of Membrane Science</i> , 2022, 644, 120084.	4.1	10
4	Integrated Sn/CNT@N C hierarchical porous gas diffusion electrode by phase inversion for electrocatalytic reduction of CO ₂ . <i>Electrochimica Acta</i> , 2022, 403, 139584.	2.6	6
5	Complementary side chain promotes microphase separation in the membranes for alkali fuel cells. <i>Polymer</i> , 2022, 238, 124403.	1.8	5
6	A Covalent Organic Framework Membrane with Homo Hierarchical Pores for Confined Reactive Crystallization. <i>ACS Applied Materials & Interfaces</i> , 2022, , .	4.0	4
7	Low boiling point solvent-soluble, highly conductive and stable poly (ether phenylene piperidinium) anion exchange membrane. <i>Journal of Membrane Science</i> , 2022, 644, 120185.	4.1	20
8	Stable alkoxy chain enhanced anion exchange membrane and its fuel cell. <i>Journal of Membrane Science</i> , 2022, 644, 120179.	4.1	13
9	Membrane crystallization: Engineering the crystallization via microscale interfacial technology. <i>Chemical Engineering Research and Design</i> , 2022, 178, 454-465.	2.7	10
10	Position difference between Mo clusters and N sites induced highly synergistic electrocatalysis in integrated electrode-separator membranes with crosslinked hierarchically porous interface. <i>Energy Storage Materials</i> , 2022, 45, 370-379.	9.5	13
11	Constructing continuous and fast transport pathway by highly permeable polymer electrospun fibers in composite membrane to improve CO ₂ capture. <i>Separation and Purification Technology</i> , 2022, 285, 120332.	3.9	7
12	Ion conductive mechanisms and redox flow battery applications of polybenzimidazole-based membranes. <i>Energy Storage Materials</i> , 2022, 45, 595-617.	9.5	25
13	Inorganic Pillar Center-Facilitated Counterdiffusion Synthesis for Highly H ₂ Perm-Selective KAUST-7 Membranes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4297-4306.	4.0	14
14	PAN electrospun nanofiber skeleton induced MOFs continuous distribution in MMMs to boost CO ₂ capture. <i>Journal of Membrane Science</i> , 2022, 650, 120330.	4.1	22
15	Hierarchically porous membranes with synergistic Co clusters and N active sites enabled High-Efficient Li-ion transporting and redox reaction activity in Li-S batteries. <i>Chemical Engineering Journal</i> , 2022, 434, 134797.	6.6	22
16	Low-Cost Biomass-Gel-Induced Conductive Polymer Networks for High-Efficiency Polysulfide Immobilization and Catalytic Conversion in Li-S Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 2308-2317.	2.5	11
17	Hollow COF Selective Layer Based Flexible Composite Membranes Constructed by an Integrated "Casting-Precipitation-Evaporation" Strategy. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	20
18	Interfacial induction and regulation for microscale crystallization process: a critical review. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 838-853.	2.3	3

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19	3D hollow CoNi-LDH nanocages based MMMs with low resistance and CO ₂ -philic transport channel to boost CO ₂ capture. <i>Journal of Membrane Science</i> , 2022, 653, 120542.	4.1	23
20	Novel and versatile PEI modified ZIF-8 hollow nanotubes to construct CO ₂ facilitated transport pathway in MMMs. <i>Separation and Purification Technology</i> , 2022, 289, 120768.	3.9	19
21	Hierarchically porous membranes for lithium rechargeable batteries: Recent progress and opportunities. <i>EcoMat</i> , 2022, 4, .	6.8	24
22	Regulating Cutoff Size of Metal-Organic Frameworks by In Situ Anchoring of Poly(ethylene glycol) to Boost CO ₂ Capture. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 6650-6661.	1.8	5
23	In-situ synthesis of KAUST-7 membranes from fluorinated molecular building block for H ₂ /CO ₂ separation. <i>Journal of Membrane Science</i> , 2022, 658, 120585.	4.1	6
24	Hydrophilic-Hydrophobic Bulky Units Modified Anion Exchange Membranes for Fuel Cell Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5748-5757.	3.2	19
25	Thiophilic-Lithiophilic Hierarchically Porous Membrane-Enabled Full Lithium-Sulfur Battery with a Low N/P Ratio. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 23408-23419.	4.0	10
26	Self-template synthesis of Co ₃ O ₄ nanotube for efficient Hg ⁰ removal from flue gas. <i>Separation and Purification Technology</i> , 2022, 295, 121240.	3.9	14
27	PNIPAm hydrogel composite membrane for high-throughput adsorption of biological macromolecules. <i>Separation and Purification Technology</i> , 2022, 294, 121224.	3.9	6
28	Soft template promoted microphase separation in anion exchange membrane of electro dialysis. <i>Journal of Membrane Science</i> , 2022, 658, 120758.	4.1	10
29	Integration of a well-designed biomass pair in electrochemical hydrogen pump reactor: ethylene glycol dehydrogenation and levulinic acid hydrogenation. <i>International Journal of Hydrogen Energy</i> , 2022, , .	3.8	0
30	Co ₃ O ₄ with ordered pore structure derived from wood vessels for efficient Hg ⁰ oxidation. <i>Chinese Journal of Chemical Engineering</i> , 2022, , .	1.7	3
31	Boosting the CO ₂ /N ₂ selectivity of MMMs by vesicle shaped ZIF-8 with high amino content. <i>Separation and Purification Technology</i> , 2022, 298, 121594.	3.9	11
32	Prestructured MXene fillers with uniform channels to enhance CO ₂ selective permeation in mixed matrix membranes. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49895.	1.3	31
33	Construction of atomically dispersed Cu-N ₄ sites via engineered coordination environment for high-efficient CO ₂ electroreduction. <i>Chemical Engineering Journal</i> , 2021, 407, 126842.	6.6	91
34	Membrane Crystallization for Process Intensification and Control: A Review. <i>Engineering</i> , 2021, 7, 50-62.	3.2	45
35	Ion/Molecule-selective transport nanochannels of membranes for redox flow batteries. <i>Energy Storage Materials</i> , 2021, 34, 648-668.	9.5	37
36	Improving CO ₂ Electroreduction Activity by Creating an Oxygen Vacancy-Rich Surface with One-Dimensional In-SnO ₂ Hollow Nanofiber Architecture. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 1164-1174.	1.8	9

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37	Ultra-thin quaternized polybenzimidazole anion exchange membranes with throughout OH ⁺ conductive highway networks for high-performance fuel cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7522-7530.	5.2	47
38	Block copolymer anion exchange membrane containing polymer of intrinsic microporosity for fuel cell application. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 2269-2281.	3.8	28
39	Electron-Donating C-NH ₂ Link Backbone for Highly Alkaline and Mechanical Stable Anion Exchange Membranes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 10490-10499.	4.0	22
40	Pulverizing Fe ₂ O ₃ Nanoparticles for Developing Fe ₃ C/N ⁻ Codoped Carbon Nanoboxes with Multiple Polysulfide Anchoring and Converting Activity in Li ⁻ Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2011249.	7.8	79
41	High-efficient crystal particle manufacture by microscale process intensification technology. <i>Green Chemical Engineering</i> , 2021, 2, 57-69.	3.3	9
42	Zeolitic imidazole framework-derived FeN ₅ -doped carbon as superior CO ₂ electrocatalysts. <i>Journal of Catalysis</i> , 2021, 395, 63-69.	3.1	27
43	Constructing low-resistance and high-selectivity transport multi-channels in mixed matrix membranes for efficient CO ₂ separation. <i>Journal of Membrane Science</i> , 2021, 624, 119046.	4.1	53
44	Two-dimensional MoS ₂ nanosheets constructing highly ion-selective composite membrane for vanadium redox flow battery. <i>Journal of Membrane Science</i> , 2021, 623, 119051.	4.1	25
45	The hollow core-shell ferric oxide entrapped chitosan microcapsules as phosphate binders for phosphorus removal in vitro. <i>Carbohydrate Polymers</i> , 2021, 257, 117621.	5.1	4
46	Highly stable electron-withdrawing C O link-free backbone with branched cationic side chain as anion exchange membrane. <i>Journal of Membrane Science</i> , 2021, 624, 119052.	4.1	25
47	Side-chain manipulation of poly (phenylene oxide) based anion exchange membrane: Alkoxy extender integrated with flexible spacer. <i>Journal of Membrane Science</i> , 2021, 624, 119088.	4.1	47
48	Redistributing Li-ion flux and homogenizing Li-metal growth by N-doped hierarchically porous membranes for dendrite-free Lithium metal batteries. <i>Energy Storage Materials</i> , 2021, 37, 233-242.	9.5	41
49	Branched, Side-Chain Grafted Polyarylpiperidine Anion Exchange Membranes for Fuel Cell Application. <i>ACS Applied Energy Materials</i> , 2021, 4, 6957-6967.	2.5	50
50	Dual-Side-Chain-Grafted Poly(phenylene oxide) Anion Exchange Membranes for Fuel-Cell and Electrodialysis Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8611-8622.	3.2	23
51	Facilitating ionic conduction for anion exchange membrane via employing star-shaped block copolymer. <i>Journal of Membrane Science</i> , 2021, 630, 119290.	4.1	31
52	Constructing ionic channels in anion exchange membrane via a Zn ²⁺ soft template: Experiment and molecular dynamics simulation. <i>Journal of Membrane Science</i> , 2021, 629, 119293.	4.1	10
53	ZIF-8 hollow nanotubes based mixed matrix membranes with high-speed gas transmission channel to promote CO ₂ /N ₂ separation. <i>Journal of Membrane Science</i> , 2021, 630, 119323.	4.1	53
54	Facile synthesis of hierarchical micro-mesoporous HKUST-1 by a mixed-linker defect strategy for enhanced adsorptive removal of benzothiophene from fuel. <i>Fuel</i> , 2021, 300, 120955.	3.4	21

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55	Hierarchical porous HKUST-1 fabricated by microwave-assisted synthesis with CTAB for enhanced adsorptive removal of benzothiophene from fuel. <i>Separation and Purification Technology</i> , 2021, 271, 118868.	3.9	33
56	Defective graphene coating-induced exposed interfaces on CoS nanosheets for high redox electrocatalysis in lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2021, 40, 358-367.	9.5	63
57	A multi-objective optimization strategy of steam power system to achieve standard emission and optimal economic by NSGA-â...j. <i>Energy</i> , 2021, 232, 120953.	4.5	27
58	Atomically Dispersed Ni/Cu Dual Sites for Boosting the CO ₂ Reduction Reaction. <i>ACS Catalysis</i> , 2021, 11, 12673-12681.	5.5	120
59	Octopus-like side chain grafted poly(arylene piperidinium) membranes for fuel cell application. <i>Journal of Membrane Science</i> , 2021, 636, 119529.	4.1	34
60	In-situ grown Co ₃ O ₄ nanoparticles on wood-derived carbon with natural ordered pore structure for efficient removal of Hg ⁰ from flue gas. <i>Journal of the Energy Institute</i> , 2021, 98, 206-215.	2.7	15
61	Pebax-based mixed matrix membranes derived from microporous carbon nanospheres for permeable and selective CO ₂ separation. <i>Separation and Purification Technology</i> , 2021, 274, 119015.	3.9	27
62	Structural contribution of cationic groups to water sorption in anion exchange membranes: A combined DFT and MD simulation study. <i>Chemical Engineering Science</i> , 2021, 244, 116791.	1.9	20
63	Nanofibers interpenetrating network mimicking "reinforced-concrete" to construct mechanically robust composite membrane for enhanced CO ₂ separation. <i>Journal of Membrane Science</i> , 2021, 639, 119749.	4.1	10
64	Amphiphilic cone-shaped cationic calix[4]arene composite anion exchange membranes with continuous ionic channels. <i>Journal of Membrane Science</i> , 2021, 640, 119815.	4.1	12
65	Well-defined Fe-Cu diatomic sites for efficient catalysis of CO ₂ electroreduction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23817-23827.	5.2	77
66	N-Doped Hierarchically Porous CNT@C Membranes for Accelerating Polysulfide Redox Conversion for High-Energy Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2521-2529.	4.0	20
67	Polybenzimidazole Ultrathin Anion Exchange Membrane with Comb-Shape Amphiphilic Microphase Networks for a High-Performance Fuel Cell. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49840-49849.	4.0	29
68	Promoting opposite diffusion and efficient conversion of polysulfides in "Trap" Fe C-Doped asymmetric porous membranes as integrated electrodes. <i>Chemical Engineering Journal</i> , 2020, 382, 122858.	6.6	8
69	Blend anion exchange membranes containing polymer of intrinsic microporosity for fuel cell application. <i>Journal of Membrane Science</i> , 2020, 595, 117541.	4.1	32
70	Lutetium and yttrium complexes supported by an anilido-oxazoline ligand for polymerization of 1,3-conjugated dienes and μ -caprolactone. <i>New Journal of Chemistry</i> , 2020, 44, 121-128.	1.4	13
71	Hydrophilic Flexible Ether Containing, Cross-Linked Anion-Exchange Membrane Quaternized with DABCO. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 3510-3521.	4.0	53
72	A highly proton-conductive and vanadium-rejected long-side-chain sulfonated polybenzimidazole membrane for redox flow battery. <i>Journal of Membrane Science</i> , 2020, 596, 117616.	4.1	68

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73	Ether spaced N-spirocyclic quaternary ammonium functionalized crosslinked polysulfone for high alkaline stable anion exchange membranes. <i>Journal of Membrane Science</i> , 2020, 598, 117650.	4.1	55
74	Allyl group-enabled side chain grafting for anion exchange membrane fabrication. <i>Ionics</i> , 2020, 26, 1939-1950.	1.2	4
75	Hierarchically Porous C/Fe ₃ C Membranes with Fast Ion-Transporting Channels and Polysulfide-Trapping Networks for High-Areal-Capacity Li-S Batteries. <i>Nano Letters</i> , 2020, 20, 701-708.	4.5	72
76	Comparative study of combined organic Rankine cycle and vapor compression cycle for refrigeration: Single fluid or dual fluid?. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 37, 100595.	1.7	20
77	Flexibly crosslinked and post-morpholinium-functionalized poly(2,6-dimethyl-1,4-phenylene oxide) anion exchange membranes. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 29681-29689.	3.8	18
78	Chitosan-hydrophobic alginate nanocomposites stabilized pH-triggered Pickering emulsion for drug controlled-release. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 1888-1896.	3.6	28
79	Tuning hydrogen bond and flexibility of N-spirocyclic cationic spacer for high performance anion exchange membranes. <i>Journal of Membrane Science</i> , 2020, 613, 118507.	4.1	39
80	Morphology Regulation of Monosodium Urate Monohydrate Crystals via Fabricated Uniform Hydrogel Slices. <i>Crystal Research and Technology</i> , 2020, 55, 2000039.	0.6	6
81	Bioinspired Hybrid Micro/Nanostructure Compositing Membrane with Intensified Mass Transfer and Antifouling for High Saline Water Membrane Distillation. <i>ACS Nano</i> , 2020, 14, 17376-17386.	7.3	64
82	SO ₄ ²⁻ /SnO ₂ Solid Superacid Granular Stacked One-Dimensional Hollow Nanofiber for a Highly Conductive Proton-Exchange Membrane. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40740-40748.	4.0	19
83	Covalent/ionic co-crosslinking constructing ultra-densely functionalized ether-free poly(biphenylene) Tj ETQq1 1 0.784314 rgBT /Over 359, 136879.	2.6	12
84	Nanoscale Solid Superacid-Coupled Polybenzimidazole Membrane with High Ion Selectivity for Flow Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16493-16502.	3.2	11
85	High-Performance Anion Exchange Membranes with Para-Type Cations on Electron-Withdrawing Câ•O Links Free Backbone. <i>Macromolecules</i> , 2020, 53, 10988-10997.	2.2	36
86	Scalable High-Areal-Capacity Li-S Batteries Enabled by Sandwich-Structured Hierarchically Porous Membranes with Intrinsic Polysulfide Adsorption. <i>Nano Letters</i> , 2020, 20, 6922-6929.	4.5	47
87	Membrane-Assisted Antisolvent Crystallization: Interfacial Mass-Transfer Simulation and Multistage Process Control. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 10160-10171.	1.8	13
88	Interfacial microdroplet evaporative crystallization on 3D printed regular matrix platform. <i>AICHE Journal</i> , 2020, 66, e16280.	1.8	6
89	A new long-side-chain sulfonated poly(2,6-dimethyl-1,4-phenylene oxide) (PPO) /polybenzimidazole (PBI) amphoteric membrane for vanadium redox flow battery. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 1918-1924.	1.7	11
90	Covalent organic framework (COF) constructed proton permselective membranes for acid supporting redox flow batteries. <i>Chemical Engineering Journal</i> , 2020, 399, 125833.	6.6	68

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91	Self-organization behavior tuning nanophase separation morphology of sulfonated nonfluorinated aromatic polymer membrane and its mechanism. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 17893-17901.	3.8	9
92	Co ₃ O ₄ Nanosheets Preferentially Growing (220) Facet with a Large Amount of Surface Chemisorbed Oxygen for Efficient Oxidation of Elemental Mercury from Flue Gas. <i>Environmental Science & Technology</i> , 2020, 54, 8601-8611.	4.6	72
93	The synergistic effect of protonated imidazole-hydroxyl-quaternary ammonium on improving performances of anion exchange membrane assembled flow batteries. <i>Journal of Membrane Science</i> , 2020, 603, 118011.	4.1	39
94	Cross-linked chitosan microspheres entrapping silver chloride via the improved emulsion technology for iodide ion adsorption. <i>Carbohydrate Polymers</i> , 2020, 234, 115926.	5.1	23
95	Stretched ZIF-8@GO flake-like fillers via pre-Zn(II)-doping strategy to enhance CO ₂ permeation in mixed matrix membranes. <i>Journal of Membrane Science</i> , 2020, 601, 117934.	4.1	35
96	Ultramicroporous Metal-Organic Framework Qc-5-Cu for Highly Selective Adsorption of CO ₂ from C ₂ H ₄ Stream. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 3153-3161.	1.8	13
97	Pre-removal of polybenzimidazole anion to improve flexibility of grafted quaternized side chains for high performance anion exchange membranes. <i>Journal of Power Sources</i> , 2020, 451, 227813.	4.0	45
98	Hydrophilic/hydrophobic-bi-comb-shaped amphoteric membrane for vanadium redox flow battery. <i>Journal of Membrane Science</i> , 2020, 608, 118179.	4.1	26
99	Cyclodextrin modified, multication cross-linked high performance anion exchange membranes for fuel cell application. <i>Journal of Membrane Science</i> , 2020, 607, 118190.	4.1	38
100	Ionic liquid tuning nanocage size of MOFs through a two-step adsorption/infiltration strategy for enhanced gas screening of mixed-matrix membranes. <i>Journal of Membrane Science</i> , 2020, 605, 118101.	4.1	59
101	Highly Efficient Polysulfide Trapping and Ion Transferring within a Hierarchical Porous Membrane Interlayer for High-Energy Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 5050-5057.	2.5	32
102	Enhanced Performance of Adsorptive Removal of Thiophene from Model Fuel over Micro-Mesoporous Binderless ZSM-5 Prepared by <i>In Situ</i> Crystallization. <i>Energy & Fuels</i> , 2020, 34, 5623-5633.	2.5	12
103	Sulfonated polybenzimidazole/amine functionalized titanium dioxide (sPBI/AFT) composite electrolyte membranes for high temperature proton exchange membrane fuel cells usage. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 2425-2437.	1.7	31
104	Minimizing power consumption of boil off gas (BOG) recondensation process by power generation using cold energy in liquefied natural gas (LNG) regasification process. <i>Journal of Cleaner Production</i> , 2019, 238, 117949.	4.6	32
105	“Fishnet-like” ion-selective nanochannels in advanced membranes for flow batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21112-21119.	5.2	50
106	Equilibrium and Diffusion of CO ₂ Adsorption on Micro-Mesoporous NaX/MCM-41 via Molecular Simulation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 14380-14388.	1.8	11
107	Patterned macroporous Fe ₃ C/C membrane-induced high ionic conductivity for integrated Li-sulfur battery cathodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20614-20623.	5.2	37
108	Branched poly(ether ether ketone) based anion exchange membrane for H ₂ /O ₂ fuel cell. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 23750-23761.	3.8	31

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109	An interface-strengthened cross-linked graphene oxide/Nafion212 composite membrane for vanadium flow batteries. <i>Journal of Membrane Science</i> , 2019, 587, 117189.	4.1	34
110	Hydrophobic-modified montmorillonite coating onto crosslinked chitosan as the core-shell micro-sorbent for iodide adsorptive removal via Pickering emulsion polymerization. <i>International Journal of Biological Macromolecules</i> , 2019, 141, 987-996.	3.6	15
111	Amphoteric-Side-Chain-Functionalized α -Ether-Free Poly(arylene piperidinium) Membrane for Advanced Redox Flow Battery. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44315-44324.	4.0	58
112	Cross-linked chitosan microspheres: An efficient and eco-friendly adsorbent for iodide removal from waste water. <i>Carbohydrate Polymers</i> , 2019, 209, 215-222.	5.1	60
113	Anion exchange membranes with "rigid-side-chain" symmetric piperazinium structures for fuel cell exceeding 1.2 W cm^{-2} at $60 \text{ }^\circ\text{C}$. <i>Journal of Power Sources</i> , 2019, 438, 227021.	4.0	29
114	Comparative study of liquefied natural gas (LNG) cold energy power generation systems in series and parallel. <i>Energy Conversion and Management</i> , 2019, 184, 107-126.	4.4	58
115	Anilido-oxazoline-ligated rare-earth metal complexes: synthesis, characterization and highly s -1,4-selective polymerization of isoprene. <i>Dalton Transactions</i> , 2019, 48, 3583-3592.	1.6	18
116	Proton delivery through a dynamic 3D H-bond network constructed from dense hydroxyls for advanced ion-selective membranes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15137-15144.	5.2	50
117	Simultaneous optimization strategies for heat exchanger network synthesis and detailed shell-and-tube heat-exchanger design involving phase changes using GA/SA. <i>Energy</i> , 2019, 183, 1166-1177.	4.5	30
118	Co_3O_4 Nanorods with a Great Amount of Oxygen Vacancies for Highly Efficient Hg^0 Oxidation from Coal Combustion Flue Gas. <i>Energy & Fuels</i> , 2019, 33, 6552-6561.	2.5	46
119	Thermodynamic analysis of a new double-pressure condensation power generation system recovering LNG cold energy for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 17649-17661.	3.8	17
120	Cyclodextrin templated nanoporous anion exchange membrane for vanadium flow battery application. <i>Journal of Membrane Science</i> , 2019, 586, 98-105.	4.1	21
121	Fabrication and characterization of sulfonated polybenzimidazole/sulfonated imidized graphene oxide hybrid membranes for high temperature proton exchange membrane fuel cells. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47892.	1.3	29
122	Pendent piperidinium-functionalized blend anion exchange membrane for fuel cell application. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 15482-15493.	3.8	58
123	Triple-Layered Carbon-SiO ₂ Composite Membrane for High Energy Density and Long Cycling Li-S Batteries. <i>ACS Nano</i> , 2019, 13, 5900-5909.	7.3	93
124	Highly active rare-earth metal catalysts for heteroselective ring-opening polymerization of racemic lactide. <i>Dalton Transactions</i> , 2019, 48, 9079-9088.	1.6	14
125	Electrospinning fiberization of carbon nanotube hybrid sulfonated poly (ether ether ketone) ion conductive membranes for a vanadium redox flow battery. <i>Journal of Membrane Science</i> , 2019, 583, 93-102.	4.1	42
126	Membrane-based separation technologies: from polymeric materials to novel process: an outlook from China. <i>Reviews in Chemical Engineering</i> , 2019, 36, 67-105.	2.3	28

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127	Anion exchange membrane with a novel quaternized ammonium containing long ether substituent. <i>Journal of Membrane Science</i> , 2019, 581, 293-302.	4.1	45
128	Superhydrophobic polypropylene membrane with fabricated antifouling interface for vacuum membrane distillation treating high concentration sodium/magnesium saline water. <i>Journal of Membrane Science</i> , 2019, 579, 240-252.	4.1	66
129	Multishelled Transition Metal-Based Microspheres: Synthesis and Applications for Batteries and Supercapacitors. <i>Small</i> , 2019, 15, e1804737.	5.2	47
130	Highly Conducting Anion-Exchange Membranes Based on Cross-Linked Poly(norbornene): Ring Opening Metathesis Polymerization. <i>ACS Applied Energy Materials</i> , 2019, 2, 2458-2468.	2.5	109
131	Fe ₃ C-doped asymmetric porous carbon membrane binder-free integrated materials as high performance anodes of lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 368, 310-320.	6.6	37
132	Molecular dynamics simulation on the effect of water uptake on hydrogen bond network for OH ⁻ conduction in imidazolium-g-PPO membrane. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 3760-3770.	3.8	30
133	Novel Triple Tertiary Amine Polymer-Based Hydrogen Bond Network Inducing Highly Efficient Proton-Conducting Channels of Amphoteric Membranes for High-Performance Vanadium Redox Flow Battery. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5003-5014.	4.0	91
134	Interface-based crystal particle autoselection via membrane crystallization: From scaling to process control. <i>AIChE Journal</i> , 2019, 65, 723-733.	1.8	27
135	Hydration structures of vanadium/oxovanadium cations in the presence of sulfuric acid: A molecular dynamics simulation study. <i>Chemical Engineering Science</i> , 2019, 195, 683-692.	1.9	25
136	Friedel-Crafts alkylation route for preparation of pendent side chain imidazolium-functionalized polysulfone anion exchange membranes for fuel cells. <i>Journal of Membrane Science</i> , 2019, 573, 157-166.	4.1	29
137	A novel hollow fiber membrane-assisted antisolvent crystallization for enhanced mass transfer process control. <i>AIChE Journal</i> , 2019, 65, 734-744.	1.8	29
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