

# List of Publications by Year in descending order

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227  
papers

9,039  
citations

34105

52  
h-index

71685

76  
g-index

227  
all docs

227  
docs citations

227  
times ranked

6274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-atom Co-N-C catalyst for efficient HgO oxidation at low temperature. Chemical Engineering Journal, 2022, 428, 132660.	12.7	18
2	Micro-phase separation promoted by electrostatic field in electrospinning of alkaline polymer electrolytes: DFT and MD simulations. Chemical Engineering Science, 2022, 248, 117171.	3.8	9
3	Oxidized black phosphorus nanosheets/sulfonated poly (ether ether ketone) composite membrane for vanadium redox flow battery. Journal of Membrane Science, 2022, 644, 120084.	8.2	10
4	Integrated Sn/CNT@N C hierarchical porous gas diffusion electrode by phase inversion for electrocatalytic reduction of CO <sub>2</sub> . Electrochimica Acta, 2022, 403, 139584.	5.2	6
5	Complementary side chain promotes microphase separation in the membranes for alkali fuel cells. Polymer, 2022, 238, 124403.	3.8	5
6	A Covalent Organic Framework Membrane with Homo Hierarchical Pores for Confined Reactive Crystallization. ACS Applied Materials & Interfaces, 2022, , .	8.0	4
7	Low boiling point solvent-soluble, highly conductive and stable poly (ether phenylene piperidinium) anion exchange membrane. Journal of Membrane Science, 2022, 644, 120185.	8.2	20
8	Stable alkoxy chain enhanced anion exchange membrane and its fuel cell. Journal of Membrane Science, 2022, 644, 120179.	8.2	13
9	Membrane crystallization: Engineering the crystallization via microscale interfacial technology. Chemical Engineering Research and Design, 2022, 178, 454-465.	5.6	10
10	Position difference between Mo clusters and N sites induced highly synergistic electrocatalysis in integrated electrode-separator membranes with crosslinked hierarchically porous interface. Energy Storage Materials, 2022, 45, 370-379.	18.0	13
11	Constructing continuous and fast transport pathway by highly permeable polymer electrospun fibers in composite membrane to improve CO <sub>2</sub> capture. Separation and Purification Technology, 2022, 285, 120332.	7.9	7
12	Ion conductive mechanisms and redox flow battery applications of polybenzimidazole-based membranes. Energy Storage Materials, 2022, 45, 595-617.	18.0	25
13	Inorganic Pillar Center-Facilitated Counterdiffusion Synthesis for Highly H <sub>2</sub> Perm-Selective KAUST-7 Membranes. ACS Applied Materials & Interfaces, 2022, 14, 4297-4306.	8.0	14
14	PAN electrospun nanofiber skeleton induced MOFs continuous distribution in MMMs to boost CO <sub>2</sub> capture. Journal of Membrane Science, 2022, 650, 120330.	8.2	22
15	Hierarchically porous membranes with synergistic Co clusters and N active sites enabled High-Efficient Li-ion transporting and redox reaction activity in Liâ€“S batteries. Chemical Engineering Journal, 2022, 434, 134797.	12.7	22
16	Low-Cost Biomass-Gel-Induced Conductive Polymer Networks for High-Efficiency Polysulfide Immobilization and Catalytic Conversion in Liâ€“S Batteries. ACS Applied Energy Materials, 2022, 5, 2308-2317.	5.1	11
17	Hollow COF Selective Layer Based Flexible Composite Membranes Constructed by an Integrated â€œCastingâ€“Precipitationâ€“Evaporationâ€“Strategy. Advanced Functional Materials, 2022, 32, .	14.9	20
18	Interfacial induction and regulation for microscale crystallization process: a critical review. Frontiers of Chemical Science and Engineering, 2022, 16, 838-853.	4.4	3

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19	3D hollow CoNi-LDH nanocages based MMMs with low resistance and CO <sub>2</sub> -philic transport channel to boost CO <sub>2</sub> capture. Journal of Membrane Science, 2022, 653, 120542.	8.2	23
20	Novel and versatile PEI modified ZIF-8 hollow nanotubes to construct CO <sub>2</sub> facilitated transport pathway in MMMs. Separation and Purification Technology, 2022, 289, 120768.	7.9	19
21	Hierarchically porous membranes for lithium rechargeable batteries: Recent progress and opportunities. EcoMat, 2022, 4, .	11.9	24
22	Regulating Cutoff Size of Metal-Organic Frameworks by In Situ Anchoring of Poly(ethylene glycol) to Boost CO <sub>2</sub> Capture. Industrial & Engineering Chemistry Research, 2022, 61, 6650-6661.	3.7	5
23	In-situ synthesis of KAUST-7 membranes from fluorinated molecular building block for H <sub>2</sub> /CO <sub>2</sub> separation. Journal of Membrane Science, 2022, 658, 120585.	8.2	6
24	Hydrophilic-Hydrophobic Bulky Units Modified Anion Exchange Membranes for Fuel Cell Application. ACS Sustainable Chemistry and Engineering, 2022, 10, 5748-5757.	6.7	19
25	Thiophilic-Lithiophilic Hierarchically Porous Membrane-Enabled Full Lithium-Sulfur Battery with a Low N/P Ratio. ACS Applied Materials & Interfaces, 2022, 14, 23408-23419.	8.0	10
26	Self-template synthesis of Co <sub>3</sub> O <sub>4</sub> nanotube for efficient Hg <sup>0</sup> removal from flue gas. Separation and Purification Technology, 2022, 295, 121240.	7.9	14
27	PNIPAm hydrogel composite membrane for high-throughput adsorption of biological macromolecules. Separation and Purification Technology, 2022, 294, 121224.	7.9	6
28	Soft template promoted microphase separation in anion exchange membrane of electrodialysis. Journal of Membrane Science, 2022, 658, 120758.	8.2	10
29	Integration of a well-designed biomass pair in electrochemical hydrogen pump reactor: ethylene glycol dehydrogenation and levulinic acid hydrogenation. International Journal of Hydrogen Energy, 2022, , .	7.1	0
30	Co <sub>3</sub> O <sub>4</sub> with ordered pore structure derived from wood vessels for efficient Hg <sup>0</sup> oxidation. Chinese Journal of Chemical Engineering, 2022, , .	3.5	3
31	Boosting the CO <sub>2</sub> /N <sub>2</sub> selectivity of MMMs by vesicle shaped ZIF-8 with high amino content. Separation and Purification Technology, 2022, 298, 121594.	7.9	11
32	Prestructured MXene fillers with uniform channels to enhance CO <sub>2</sub> selective permeation in mixed matrix membranes. Journal of Applied Polymer Science, 2021, 138, 49895.	2.6	31
33	Construction of atomically dispersed Cu-N <sub>4</sub> sites via engineered coordination environment for high-efficient CO <sub>2</sub> electroreduction. Chemical Engineering Journal, 2021, 407, 126842.	12.7	91
34	Membrane Crystallization for Process Intensification and Control: A Review. Engineering, 2021, 7, 50-62.	6.7	45
35	Ion/Molecule-selective transport nanochannels of membranes for redox flow batteries. Energy Storage Materials, 2021, 34, 648-668.	18.0	37
36	Improving CO <sub>2</sub> Electroreduction Activity by Creating an Oxygen Vacancy-Rich Surface with One-Dimensional In-SnO <sub>2</sub> Hollow Nanofiber Architecture. Industrial & Engineering Chemistry Research, 2021, 60, 1164-1174.	3.7	9

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37	Ultra-thin quaternized polybenzimidazole anion exchange membranes with throughout OH <sup>+</sup> conductive highway networks for high-performance fuel cells. Journal of Materials Chemistry A, 2021, 9, 7522-7530.	10.3	47
38	Block copolymer anion exchange membrane containing polymer of intrinsic microporosity for fuel cell application. International Journal of Hydrogen Energy, 2021, 46, 2269-2281.	7.1	28
39	Electron-Donating C-NH <sub>2</sub> Link Backbone for Highly Alkaline and Mechanical Stable Anion Exchange Membranes. ACS Applied Materials & Interfaces, 2021, 13, 10490-10499.	8.0	22
40	Pulverizing Fe <sub>2</sub> O <sub>3</sub> Nanoparticles for Developing Fe <sub>3</sub> C/Nâ€Codoped Carbon Nanoboxes with Multiple Polysulfide Anchoring and Converting Activity in Liâ€S Batteries. Advanced Functional Materials, 2021, 31, 2011249.	14.9	79
41	High-efficient crystal particle manufacture by microscale process intensification technology. Green Chemical Engineering, 2021, 2, 57-69.	6.3	9
42	Zeolitic imidazole framework-derived FeN5-doped carbon as superior CO2 electrocatalysts. Journal of Catalysis, 2021, 395, 63-69.	6.2	27
43	Constructing low-resistance and high-selectivity transport multi-channels in mixed matrix membranes for efficient CO2 separation. Journal of Membrane Science, 2021, 624, 119046.	8.2	53
44	Two-dimensional MoS2 nanosheets constructing highly ion-selective composite membrane for vanadium redox flow battery. Journal of Membrane Science, 2021, 623, 119051.	8.2	25
45	The hollow core-shell ferric oxide entrapped chitosan microcapsules as phosphate binders for phosphorus removal in vitro. Carbohydrate Polymers, 2021, 257, 117621.	10.2	4
46	Highly stable electron-withdrawing C O link-free backbone with branched cationic side chain as anion exchange membrane. Journal of Membrane Science, 2021, 624, 119052.	8.2	25
47	Side-chain manipulation of poly (phenylene oxide) based anion exchange membrane: Alkoxy extender integrated with flexible spacer. Journal of Membrane Science, 2021, 624, 119088.	8.2	47
48	Redistributing Li-ion flux and homogenizing Li-metal growth by N-doped hierarchically porous membranes for dendrite-free Lithium metal batteries. Energy Storage Materials, 2021, 37, 233-242.	18.0	41
49	Branched, Side-Chain Grafted Polyarylpiperidine Anion Exchange Membranes for Fuel Cell Application. ACS Applied Energy Materials, 2021, 4, 6957-6967.	5.1	50
50	Dual-Side-Chain-Grafted Poly(phenylene oxide) Anion Exchange Membranes for Fuel-Cell and Electrodialysis Applications. ACS Sustainable Chemistry and Engineering, 2021, 9, 8611-8622.	6.7	23
51	Facilitating ionic conduction for anion exchange membrane via employing star-shaped block copolymer. Journal of Membrane Science, 2021, 630, 119290.	8.2	31
52	Constructing ionic channels in anion exchange membrane via a Zn <sup>2+</sup> soft template: Experiment and molecular dynamics simulation. Journal of Membrane Science, 2021, 629, 119293.	8.2	10
53	ZIF-8 hollow nanotubes based mixed matrix membranes with high-speed gas transmission channel to promote CO2/N2 separation. Journal of Membrane Science, 2021, 630, 119323.	8.2	53
54	Facile synthesis of hierarchical micro-mesoporous HKUST-1 by a mixed-linker defect strategy for enhanced adsorptive removal of benzothiophene from fuel. Fuel, 2021, 300, 120955.	6.4	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. Separation and Purification Technology, 2021, 271, 118868.	7.9	33
56	Defective graphene coating-induced exposed interfaces on CoS nanosheets for high redox electrocatalysis in lithium-sulfur batteries. Energy Storage Materials, 2021, 40, 358-367.	18.0	63
57	A multi-objective optimization strategy of steam power system to achieve standard emission and optimal economic by NSGA-II. Energy, 2021, 232, 120953.	8.8	27
58	Atomically Dispersed Ni/Cu Dual Sites for Boosting the CO <sub>2</sub> Reduction Reaction. ACS Catalysis, 2021, 11, 12673-12681.	11.2	120
59	Octopus-like side chain grafted poly(arylene piperidinium) membranes for fuel cell application. Journal of Membrane Science, 2021, 636, 119529.	8.2	34
60	In-situ grown Co <sub>3</sub> O <sub>4</sub> nanoparticles on wood-derived carbon with natural ordered pore structure for efficient removal of Hg <sup>0</sup> from flue gas. Journal of the Energy Institute, 2021, 98, 206-215.	5.3	15
61	Pebax-based mixed matrix membranes derived from microporous carbon nanospheres for permeable and selective CO <sub>2</sub> separation. Separation and Purification Technology, 2021, 274, 119015.	7.9	27
62	Structural contribution of cationic groups to water sorption in anion exchange membranes: A combined DFT and MD simulation study. Chemical Engineering Science, 2021, 244, 116791.	3.8	20
63	Nanofibers interpenetrating network mimicking "reinforced-concrete" to construct mechanically robust composite membrane for enhanced CO <sub>2</sub> separation. Journal of Membrane Science, 2021, 639, 119749.	8.2	10
64	Amphiphilic cone-shaped cationic calix[4]arene composite anion exchange membranes with continuous ionic channels. Journal of Membrane Science, 2021, 640, 119815.	8.2	12
65	Well-defined Fe-Cu diatomic sites for efficient catalysis of CO <sub>2</sub> electroreduction. Journal of Materials Chemistry A, 2021, 9, 23817-23827.	10.3	77
66	N-Doped Hierarchically Porous CNT@C Membranes for Accelerating Polysulfide Redox Conversion for High-Energy Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2021, 13, 2521-2529.	8.0	20
67	Polybenzimidazole Ultrathin Anion Exchange Membrane with Comb-Shape Amphiphilic Microphase Networks for a High-Performance Fuel Cell. ACS Applied Materials & Interfaces, 2021, 13, 49840-49849.	8.0	29
68	Promoting opposite diffusion and efficient conversion of polysulfides in "Trap"-Fe C-Doped asymmetric porous membranes as integrated electrodes. Chemical Engineering Journal, 2020, 382, 122858.	12.7	8
69	Blend anion exchange membranes containing polymer of intrinsic microporosity for fuel cell application. Journal of Membrane Science, 2020, 595, 117541.	8.2	32
70	Lutetium and yttrium complexes supported by an anilido-oxazoline ligand for polymerization of 1,3-conjugated dienes and $\mu$ -caprolactone. New Journal of Chemistry, 2020, 44, 121-128.	2.8	13
71	Hydrophilic Flexible Ether Containing, Cross-Linked Anion-Exchange Membrane Quaternized with DABCO. ACS Applied Materials & Interfaces, 2020, 12, 3510-3521.	8.0	53
72	A highly proton-conductive and vanadium-rejected long-side-chain sulfonated polybenzimidazole membrane for redox flow battery. Journal of Membrane Science, 2020, 596, 117616.	8.2	68

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73	Ether spaced N-spirocyclic quaternary ammonium functionalized crosslinked polysulfone for high alkaline stable anion exchange membranes. Journal of Membrane Science, 2020, 598, 117650.	8.2	55
74	Allyl group-enabled side chain grafting for anion exchange membrane fabrication. Ionics, 2020, 26, 1939-1950.	2.4	4
75	Hierarchically Porous C/Fe <sub>3</sub> C Membranes with Fast Ion-Transporting Channels and Polysulfide-Trapping Networks for High-Areal-Capacity Li-S Batteries. Nano Letters, 2020, 20, 701-708.	9.1	72
76	Comparative study of combined organic Rankine cycle and vapor compression cycle for refrigeration: Single fluid or dual fluid?. Sustainable Energy Technologies and Assessments, 2020, 37, 100595.	2.7	20
77	Flexibly crosslinked and post-morpholinium-functionalized poly(2,6-dimethyl-1,4-phenylene oxide) anion exchange membranes. International Journal of Hydrogen Energy, 2020, 45, 29681-29689.	7.1	18
78	Chitosan-hydrophobic alginate nanocomposites stabilized pH-triggered Pickering emulsion for drug controlled-release. International Journal of Biological Macromolecules, 2020, 162, 1888-1896.	7.5	28
79	Tuning hydrogen bond and flexibility of N-spirocyclic cationic spacer for high performance anion exchange membranes. Journal of Membrane Science, 2020, 613, 118507.	8.2	39
80	Morphology Regulation of Monosodium Urate Monohydrate Crystals via Fabricated Uniform Hydrogel Slices. Crystal Research and Technology, 2020, 55, 2000039.	1.3	6
81	Bioinspired Hybrid Micro/Nanostructure Compositized Membrane with Intensified Mass Transfer and Antifouling for High Saline Water Membrane Distillation. ACS Nano, 2020, 14, 17376-17386.	14.6	64
82	SO <sub>4</sub> <sup>2-</sup> /SnO <sub>2</sub> Solid Superacid Granular Stacked One-Dimensional Hollow Nanofiber for a Highly Conductive Proton-Exchange Membrane. ACS Applied Materials & Interfaces, 2020, 12, 40740-40748.	8.0	19
83	Covalent/ionic co-crosslinking constructing ultra-densely functionalized ether-free poly(biphenylene) Tj ETQq1 1 0.784314 rgBT /Overl... 359, 136879.	5.2	12
84	Nanoscale Solid Superacid-Coupled Polybenzimidazole Membrane with High Ion Selectivity for Flow Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 16493-16502.	6.7	11
85	High-Performance Anion Exchange Membranes with Para-Type Cations on Electron-Withdrawing Câ•O Links Free Backbone. Macromolecules, 2020, 53, 10988-10997.	4.8	36
86	Scalable High-Areal-Capacity Li-S Batteries Enabled by Sandwich-Structured Hierarchically Porous Membranes with Intrinsic Polysulfide Adsorption. Nano Letters, 2020, 20, 6922-6929.	9.1	47
87	Membrane-Assisted Antisolvent Crystallization: Interfacial Mass-Transfer Simulation and Multistage Process Control. Industrial & Engineering Chemistry Research, 2020, 59, 10160-10171.	3.7	13
88	Interfacial microdroplet evaporative crystallization on 3D printed regular matrix platform. AIChE Journal, 2020, 66, e16280.	3.6	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. Chinese Journal of Chemical Engineering, 2020, 28, 1918-1924.	3.5	11
90	Covalent organic framework (COF) constructed proton permselective membranes for acid supporting redox flow batteries. Chemical Engineering Journal, 2020, 399, 125833.	12.7	68

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91	Self-organization behavior tuning nanophase separation morphology of sulfonated nonfluorinated aromatic polymer membrane and its mechanism. International Journal of Hydrogen Energy, 2020, 45, 17893-17901.	7.1	9
92	Co <sub>3</sub> O <sub>4</sub> Nanosheets Preferentially Growing (220) Facet with a Large Amount of Surface Chemisorbed Oxygen for Efficient Oxidation of Elemental Mercury from Flue Gas. Environmental Science & Technology, 2020, 54, 8601-8611.	10.0	72
93	The synergistic effect of protonated imidazole-hydroxyl-quaternary ammonium on improving performances of anion exchange membrane assembled flow batteries. Journal of Membrane Science, 2020, 603, 118011.	8.2	39
94	Cross-linked chitosan microspheres entrapping silver chloride via the improved emulsion technology for iodide ion adsorption. Carbohydrate Polymers, 2020, 234, 115926.	10.2	23
95	Stretched ZIF-8@GO flake-like fillers via pre-Zn(II)-doping strategy to enhance CO <sub>2</sub> permeation in mixed matrix membranes. Journal of Membrane Science, 2020, 601, 117934.	8.2	35
96	Ultramicroporous Metal-Organic Framework Qc-5-Cu for Highly Selective Adsorption of CO <sub>2</sub> from C <sub>2</sub> H <sub>4</sub> Stream. Industrial & Engineering Chemistry Research, 2020, 59, 3153-3161.	3.7	13
97	Pre-removal of polybenzimidazole anion to improve flexibility of grafted quaternized side chains for high performance anion exchange membranes. Journal of Power Sources, 2020, 451, 227813.	7.8	45
98	Hydrophilic/hydrophobic-bi-comb-shaped amphoteric membrane for vanadium redox flow battery. Journal of Membrane Science, 2020, 608, 118179.	8.2	26
99	Cyclodextrin modified, multication cross-linked high performance anion exchange membranes for fuel cell application. Journal of Membrane Science, 2020, 607, 118190.	8.2	38
100	Ionic liquid tuning nanocage size of MOFs through a two-step adsorption/infiltration strategy for enhanced gas screening of mixed-matrix membranes. Journal of Membrane Science, 2020, 605, 118101.	8.2	59
101	Highly Efficient Polysulfide Trapping and Ion Transferring within a Hierarchical Porous Membrane Interlayer for High-Energy Lithium-Sulfur Batteries. ACS Applied Energy Materials, 2020, 3, 5050-5057.	5.1	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. Energy & Fuels, 2020, 34, 5623-5633.	5.1	12
103	Sulfonated polybenzimidazole/amine functionalized titanium dioxide (sPBI/AFT) composite electrolyte membranes for high temperature proton exchange membrane fuel cells usage. Chinese Journal of Chemical Engineering, 2020, 28, 2425-2437.	3.5	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. Journal of Cleaner Production, 2019, 238, 117949.	9.3	32
105	“Fishnet-like” ion-selective nanochannels in advanced membranes for flow batteries. Journal of Materials Chemistry A, 2019, 7, 21112-21119.	10.3	50
106	Equilibrium and Diffusion of CO <sub>2</sub> Adsorption on Micro-Mesoporous NaX/MCM-41 via Molecular Simulation. Industrial & Engineering Chemistry Research, 2019, 58, 14380-14388.	3.7	11
107	Patterned macroporous Fe <sub>3</sub> C/C membrane-induced high ionic conductivity for integrated Li-sulfur battery cathodes. Journal of Materials Chemistry A, 2019, 7, 20614-20623.	10.3	37
108	Branched poly(ether ether ketone) based anion exchange membrane for H <sub>2</sub> /O <sub>2</sub> fuel cell. International Journal of Hydrogen Energy, 2019, 44, 23750-23761.	7.1	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.	8.2	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.	7.5	15
111	Amphoteric-Side-Chain-Functionalized $\alpha$ -Ether-Free $\alpha$ -Poly(arylene piperidinium) Membrane for Advanced Redox Flow Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 44315-44324.	8.0	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.	10.2	60
113	Anion exchange membranes with "rigid-side-chain" symmetric piperazinium structures for fuel cell exceeding $1.2 \text{ A cm}^{-2}$ at $60^\circ\text{C}$ . <i>Journal of Power Sources</i> , 2019, 438, 227021.	7.8	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.	9.2	58
115	Anilido-oxazoline-ligated rare-earth metal complexes: synthesis, characterization and highly $\text{cis-1,4}$ -selective polymerization of isoprene. <i>Dalton Transactions</i> , 2019, 48, 3583-3592.	3.3	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.	10.3	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.	8.8	30
118	$\text{Co}_3\text{O}_4$ Nanorods with a Great Amount of Oxygen Vacancies for Highly Efficient $\text{Hg}^0$ Oxidation from Coal Combustion Flue Gas. <i>Energy &amp; Fuels</i> , 2019, 33, 6552-6561.	5.1	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.	7.1	17
120	Cyclodextrin templated nanoporous anion exchange membrane for vanadium flow battery application. <i>Journal of Membrane Science</i> , 2019, 586, 98-105.	8.2	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.	2.6	29
122	Pendent piperidinium-functionalized blend anion exchange membrane for fuel cell application. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 15482-15493.	7.1	58
123	Triple-Layered Carbon- $\text{SiO}_2$ Composite Membrane for High Energy Density and Long Cycling $\text{Li-S}$ Batteries. <i>ACS Nano</i> , 2019, 13, 5900-5909.	14.6	93
124	Highly active rare-earth metal catalysts for heteroselective ring-opening polymerization of racemic lactide. <i>Dalton Transactions</i> , 2019, 48, 9079-9088.	3.3	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.	8.2	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.	4.4	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.	8.2	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.	8.2	66
129	Multishelled Transition Metal-Based Microspheres: Synthesis and Applications for Batteries and Supercapacitors. <i>Small</i> , 2019, 15, e1804737.	10.0	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.	5.1	109
131	Fe <sub>3</sub> 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.	12.7	37
132	Molecular dynamics simulation on the effect of water uptake on hydrogen bond network for OH <sup>-</sup> conduction in imidazolium-g-PPO membrane. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 3760-3770.	7.1	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 &amp; Interfaces</i> , 2019, 11, 5003-5014.	8.0	91
134	Interface-based crystal particle autoselection via membrane crystallization: From scaling to process control. <i>AIChE Journal</i> , 2019, 65, 723-733.	3.6	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.	3.8	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.	8.2	29
137	A novel hollow fiber membrane-assisted antisolvent crystallization for enhanced mass transfer process control. <i>AIChE Journal</i> , 2019, 65, 734-744.	3.6	29
138	Enhanced performance of superhydrophobic polypropylene membrane with modified antifouling surface for high salinity water treatment. <i>Separation and Purification Technology</i> , 2019, 214, 11-20.	7.9	62
139	A simultaneous approach to optimize the component and composition of zeotropic mixture for power generation systems. <i>Energy Conversion and Management</i> , 2018, 165, 354-362.	9.2	31
140	Effect of Hydrogen-Bonding Interaction on the Arrangement and Dynamics of Water Confined in a Polyamide Membrane: A Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2018, 122, 4719-4728.	2.6	49
141	Novel Electron-Rich and Sterically Hindered Phosphonium as a Highly Efficient and Recyclable Heterogeneous Catalyst for CO <sub>2</sub> Cycloaddition. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 3195-3203.	3.7	14
142	Facile and green fabrication of polybenzoxazine-based composite anion-exchange membranes with a self-cross-linked structure. <i>Ionics</i> , 2018, 24, 3053-3063.	2.4	16
143	Hydrophilic side chain assisting continuous ion-conducting channels for anion exchange membranes. <i>Journal of Membrane Science</i> , 2018, 552, 286-294.	8.2	71
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