Jianxin Li

List of Publications by Year in descending order

139 papers	5,366 citations	71004 43 h-index	120465 65 g-index
141 all docs	141 docs citations	141 times ranked	4830 citing authors

#	Article	IF	Citations
1	Optimized CeO₂ Nanowires with Rich Surface Oxygen Vacancies Enable Fast Liâ€ion Conduction in Composite Polymer Electrolytes. Energy and Environmental Materials, 2023, 6, .	7.3	19
2	Design of microstructure for hollow fiber loose nanofiltration separation layer and its compactness-tailoring mechanism. Journal of Hazardous Materials, 2022, 421, 126800.	6.5	16
3	Ultrahigh-efficient separation of Mg2+/Li+ using an in-situ reconstructed positively charged nanofiltration membrane under an electric field. Journal of Membrane Science, 2022, 641, 119880.	4.1	44
4	A review on hollow fiber membrane module towards high separation efficiency: Process modeling in fouling perspective. Chinese Chemical Letters, 2022, 33, 3594-3602.	4.8	20
5	Zwitterionic copolymer modified polyethersulphone/sulfonated polysulphone membranes for enhancing dye/salt selective separation. Journal of Polymer Science, 2022, 60, 3009-3021.	2.0	2
6	Controllable oxidation of cyclohexanone to produce sodium adipate in an electrochemical reactor with a Pt NPs/Ti membrane electrode. International Journal of Chemical Reactor Engineering, 2022, 20, 343-355.	0.6	0
7	Simultaneously enhanced CO2 permeability and CO2/N2 selectivity at sub-ambient temperature from two novel functionalized intrinsic microporous polymers. Journal of Membrane Science, 2022, 644, 120086.	4.1	8
8	Enhanced UVâ€“vis photoinduced hydrogen evolution of metalloporphyrin sensitized PSf/TiO2 MMMs by varying center metal ion complexed in porphyrin. Fuel, 2022, 312, 122810.	3.4	7
9	Preparation of Small-Pore Ultrafiltration Membranes with High Surface Porosity by In Situ CO₂ Nanobubble-Assisted NIPS. ACS Applied Materials & Interfaces, 2022, 14, 8633-8643.	4.0	17
10	Enhancing compatibility and hydrophilicity of polysulfone/poly (ethylene-co-vinyl alcohol) copolymer blend ultrafiltration membranes using polyethylene glycol as hydrophilic additive and compatibilizer. Separation and Purification Technology, 2022, 287, 120523.	3.9	20
11	Oxygen vacancies activated porous MnO/graphene submicron needle arrays for high-capacity lithium-ion batteries. Carbon, 2022, 190, 402-411.	5.4	15
12	Zwitterion-modified membranes for water reclamation. , 2022, , 349-389.		1
13	Tailoring the micro-structure of PVC/SMA-g-PEG blend ultrafiltration membrane with simultaneously enhanced hydrophilicity and toughness by in situ reaction-controlled phase inversion. Journal of Membrane Science, 2022, 653, 120545.	4.1	17
14	Fabrication of hollow fiber nanofiltration separation layer with highly positively charged surface for heavy metal ion removal. Journal of Membrane Science, 2022, 653, 120534.	4.1	18
15	High-Efficiency Separation of Mg2+/Sr2+ through a NF Membrane under Electric Field. Membranes, 2022, 12, 57.	1.4	2
16	Enhanced flow electrochemistry for cyclohexane Conversion: From simulation to application. Journal of Catalysis, 2022, 410, 84-92.	3.1	8
17	Efficiently rejecting and concentrating Li+ by nanofiltration membrane under a reversed electric field. Desalination, 2022, 535, 115825.	4.0	10
18	A critical review on classifications, characteristics, and applications of electrically conductive membranes for toxic pollutant removal from water: Comparison between composite and inorganic electrically conductive membranes. Journal of Hazardous Materials, 2022, 436, 129162.	6.5	17

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19	Double Polyamide Layers with CaCO₃ Nanoparticles as Scaffolds for High Performance Nanofiltration Membranes. ACS Applied Nano Materials, 2022, 5, 8279-8287.	2.4	0
20	Prediction on the compatibility of chitosan/polyvinyl alcohol blend based on Schneier mixing enthalpy. Thermochimica Acta, 2022, 714, 179251.	1.2	1
21	Highly-Efficient adsorptive separation of Cs+ from aqueous solutions by porous polyimide membrane containing Dibenzo-18-Crown-6. Separation and Purification Technology, 2022, 299, 121757.	3.9	6
22	Persulfate promoted flow electrochemistry: Direct conversion of cyclohexane into adipic acid. Electrochimica Acta, 2022, 426, 140796.	2.6	2
23	Hydrophilic polyethyleneimine-TiO2 hybrid layer on polyethersulfone/sulfonated polysulfone blend membrane with antifouling characteristics for the effective separation of oil-in-water emulsions. Journal of Water Process Engineering, 2022, 49, 102982.	2.6	13
24	Tailoring the morphology of polyethersulfone/sulfonated polysulfone ultrafiltration membranes for highly efficient separation of oil-in-water emulsions using TiO2 nanoparticles. Journal of Membrane Science, 2021, 620, 118868.	4.1	48
25	Simultaneously enhancing degradation of refractory organics and achieving nitrogen removal by coupling denitrifying biocathode with MnOx/Ti anode. Journal of Hazardous Materials, 2021, 402, 123467.	6.5	8
26	Compactness-tailored hollow fiber loose nanofiltration separation layers based on â€œchemical crosslinking and metal ion coordinationâ€•for selective dye separation. Journal of Membrane Science, 2021, 620, 118948.	4.1	59
27	Unprecedented gas separation performance of a difluoro-functionalized triptycene-based ladder PIM membrane at low temperature. Journal of Materials Chemistry A, 2021, 9, 5404-5414.	5.2	50
28	Pregelation of sulfonated polysulfone and water for tailoring the morphology and properties of polyethersulfone ultrafiltration membranes for dye/salt selective separation. Journal of Membrane Science, 2021, 618, 118746.	4.1	37
29	Characterization of dissolved organic matter for understanding the adsorption on nanomaterials in aquatic environment: A review. Chemosphere, 2021, 269, 128690.	4.2	25
30	Preparation of PVDF membrane based on â€œIn-situ Template-TIPSâ€•technology and the investigation on membrane formation mechanism, microstructure regulation and permeability. Journal of Membrane Science, 2021, 620, 118839.	4.1	3
31	High-performance polymer molecular sieve membranes prepared by direct fluorination for efficient helium enrichment. Journal of Materials Chemistry A, 2021, 9, 18313-18322.	5.2	28
32	Remarkably enhanced gas separation properties of PIM-1 at sub-ambient temperatures. Journal of Membrane Science, 2021, 623, 119091.	4.1	36
33	Polyaniline/polysulfone ultrafiltration membranes with improved permeability and anti-fouling behavior. Journal of Water Process Engineering, 2021, 40, 101903.	2.6	18
34	Rich Surface Oxygen Vacancies of MnO₂ for Enhancing Electrocatalytic Oxygen Reduction and Oxygen Evolution Reactions. Advanced Energy and Sustainability Research, 2021, 2, 2100030.	2.8	35
35	One-step synthesis of hydroxyl-functionalized fully carbon main chain PIMs via a Friedel-Crafts reaction for efficient gas separation. Separation and Purification Technology, 2021, 262, 118313.	3.9	16
36	Selective separation of dye and salt by PES/SPSf tight ultrafiltration membrane: Roles of size sieving and charge effect. Separation and Purification Technology, 2021, 266, 118587.	3.9	50

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37	pH-responsive nanofiltration membrane containing chitosan for dye separation. Journal of Membrane Science, 2021, 635, 119445.	4.1	47
38	Bottom up approach to study the gas separation properties of PIM-PIs and its derived CMSMs by isomer monomers. Journal of Membrane Science, 2021, 635, 119519.	4.1	27
39	The effect of chain rigidity and microporosity on the sub-ambient temperature gas separation properties of intrinsic microporous polyimides. Journal of Membrane Science, 2021, 635, 119439.	4.1	29
40	Unprecedented gas separation performance of ITTB/CNT nanocomposite membranes at low temperature by strong interfacial interaction enhanced rigidity. Journal of Membrane Science, 2021, 636, 119590.	4.1	14
41	Significantly improved gas separation properties of sulfonated PIM-1 by direct sulfonation using SO3 solution. Journal of Membrane Science, 2021, 635, 119440.	4.1	26
42	Construction of THPP-sg-PSf/TiO2 membrane as photocatalyst for enhanced photoinduced hydrogen evolution. Applied Surface Science, 2021, 566, 150667.	3.1	11
43	Facile synthesis of Bi-functionalized intrinsic microporous polymer with fully carbon backbone for gas separation application. Separation and Purification Technology, 2021, 279, 119681.	3.9	7
44	Fabrication of hollow fiber loose nanofiltration separation layers based on nucleophilic addition and Schiff base reactions and the investigation on separation performance of low molecular weight dye/salt systems. Journal of Membrane Science, 2021, 640, 119761.	4.1	16
45	Performance deterioration of Sb-SnO2/C membrane anode treating phenolic wastewater and anode regeneration: Adsorption and physicochemical change of catalysts. Separation and Purification Technology, 2021, 277, 119555.	3.9	5
46	The high-strength and ultra-thin composite electrolyte using one-step electrospinning/electrostatic spraying process for interface control in all-solid-state lithium metal battery. Journal of Power Sources, 2021, 515, 230622.	4.0	19
47	Environmentally-friendly halloysite nanotubes@chitosan/polyvinyl alcohol/non-woven fabric hybrid membranes with a uniform hierarchical porous structure for air filtration. Journal of Membrane Science, 2020, 594, 117445.	4.1	61
48	Ultrahigh areal capacity of self-combusted nanoporous NiCuMn/Cu flexible anode for Li-ion battery. Chemical Engineering Journal, 2020, 383, 123097.	6.6	17
49	Multifunctional PVDF/CNT/GO mixed matrix membranes for ultrafiltration and fouling detection. Journal of Hazardous Materials, 2020, 384, 120978.	6.5	76
50	Improved water permeability and structural stability in a polysulfone-grafted graphene oxide composite membrane used for dye separation. Journal of Membrane Science, 2020, 595, 117547.	4.1	48
51	Application of polyamide 6 microfiber non-woven fabrics in the large-scale production of all-solid-state lithium metal batteries. Journal of Power Sources, 2020, 475, 228663.	4.0	16
52	Highly enhanced electrocatalytic activity of nano-TiO2/Ti membrane electrode for phenol wastewater treatment. Journal of Materials Science: Materials in Electronics, 2020, 31, 13511-13520.	1.1	5
53	Applying a new pomelo peel derived biochar in microbial fell cell for enhancing sulfonamide antibiotics removal in swine wastewater. Bioresource Technology, 2020, 318, 123886.	4.8	36
54	A critical review of selected membrane- and powder-based adsorbents for water treatment: Sustainability and effectiveness. Journal of Cleaner Production, 2020, 277, 123497.	4.6	36

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55	Performance of an Integrated Membrane Process with Electrochemical Pre-Treatment on Poultry Slaughterhouse Wastewater Purification. Membranes, 2020, 10, 256.	1.4	21
56	Enhanced treatment performance ofÂphenolÂwastewaterÂby electrochemical reactor with MnOx/Ti membrane electrode modified with Sb-SnO2 interlayer People's Republic of China. Journal of Materials Science: Materials in Electronics, 2020, 31, 19044-19055.	1.1	1
57	Biodiesel Production through Heterogeneous Catalysis Using a Novel Poly(phenylene sulfide) Catalytic Membrane. Energy & Fuels, 2020, 34, 7422-7429.	2.5	20
58	A highly-efficient lithium adsorptive separation membrane derived from a polyimide-containing dibenzo-14-crown-4 moiety. Separation and Purification Technology, 2020, 247, 116940.	3.9	26
59	Tailoring polyethersulfone/quaternary ammonium polysulfone ultrafiltration membrane with positive charge for dye and salt selective separation. Journal of Polymer Science, 2020, 58, 2603-2618.	2.0	22
60	Exploring the novel PES/malachite mixed matrix membrane to remove organic matter for water purification. Chemical Engineering Research and Design, 2020, 160, 63-73.	2.7	11
61	A 3D polyacrylonitrile nanofiber and flexible polydimethylsiloxane macromolecule combined all-solid-state composite electrolyte for efficient lithium metal batteries. Nanoscale, 2020, 12, 14279-14289.	2.8	49
62	Tailoring the Morphology of Nano-Î³-MnO₂ Loaded Porous Ti Membrane Electrode for the High Efficiency Oxidation of Cyclohexane Using Double-Cathodic Electrodeposition. Journal of the Electrochemical Society, 2020, 167, 090553.	1.3	3
63	Preparation of Crownâ€Etherâ€Functionalized Polysulfone Membrane by In Situ Surface Grafting for Selective Adsorption and Separation of Li⁺. ChemistrySelect, 2020, 5, 3321-3329.	0.7	14
64	Monolayer porphyrin assembled SPSf/PES membrane reactor for degradation of dyes under visible light irradiation coupling with continuous filtrationâœ°. Journal of the Taiwan Institute of Chemical Engineers, 2020, 109, 62-70.	2.7	15
65	Electro-catalytic membrane anode for dye removal from wastewater. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125270.	2.3	21
66	An ultrahighly permeable-selective nanofiltration membrane mediated by anin situformed interlayer. Journal of Materials Chemistry A, 2020, 8, 5275-5283.	5.2	116
67	Designing of root-soil-like polyethylene oxide-based composite electrolyte for dendrite-free and long-cycling all-solid-state lithium metal batteries. Chemical Engineering Journal, 2020, 389, 124478.	6.6	62
68	Microstructure evolution of bonded water layer and morphology of grafting membrane with different polyethylene glycol length and their influence on permeability and anti-fouling capacity. Journal of Membrane Science, 2020, 601, 117949.	4.1	57
69	Fabrication of hyperbranched polyether demulsifier modified PVDF membrane for demulsification and separation of oil-in-water emulsion. Journal of Membrane Science, 2020, 602, 117974.	4.1	70
70	Enhanced Gas Separation Properties of TrÃ¶gerâ€™s Base Polymer Membranes Derived from Pure Triptycene Diamine Regioisomers. Macromolecules, 2020, 53, 1573-1584.	2.2	51
71	The microstructure regulation, strengthening, toughening and hydrophilicity of polyamide6 in fabricating poly (vinylidene fluoride)-based flat membrane via the thermally induced phase separation technique. European Polymer Journal, 2020, 126, 109568.	2.6	23
72	Enhanced anodic oxidation and energy saving for dye removal by integrating O2-reducing biocathode into electrocatalytic reactor. Chemosphere, 2020, 252, 126460.	4.2	13

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73	Constructing defect-rich V2O5 nanorods in catalytic membrane electrode for highly efficient oxidation of cyclohexane. Journal of Catalysis, 2020, 387, 154-162.	3.1	27
74	Understanding the multiple functions of styrene-co-maleic anhydride in fabricating polyvinylidene fluoride hollow fiber membrane via coupled phase inversion process and its effect on surface infiltration behavior and membrane permeability. Journal of Membrane Science, 2019, 590, 117269.	4.1	36
75	Membrane-based technologies for lithium recovery from water lithium resources: A review. Journal of Membrane Science, 2019, 591, 117317.	4.1	326
76	Membrane technology coupled with electrochemical advanced oxidation processes for organic wastewater treatment: Recent advances and future prospects. Chemical Engineering Journal, 2019, 376, 120909.	6.6	156
77	Characteristics and influencing factors of organic fouling in forward osmosis operation for wastewater applications: A comprehensive review. Environment International, 2019, 129, 164-184.	4.8	67
78	Ultra-low graphene oxide loading for water permeability, antifouling and antibacterial improvement of polyethersulfone/sulfonated polysulfone ultrafiltration membranes. Journal of Colloid and Interface Science, 2019, 552, 319-331.	5.0	84
79	Polysulfone-graft-4â€²- aminobenzo-15-crown-5-ether based tandem membrane chromatography for efficient adsorptive separation of lithium isotopes. Journal of Chromatography A, 2019, 1602, 206-216.	1.8	22
80	Integrating biocathode into electrocatalytic reactor to reduce applied voltage to generate hydroxyl radicals for advanced oxidation. Journal of Chemical Technology and Biotechnology, 2019, 94, 2487-2496.	1.6	5
81	Formoxylbenzo-15-crown-5 ether functionalized PVA/NWF composite membrane for enhanced 7Li+ enrichment. Journal of the Taiwan Institute of Chemical Engineers, 2019, 97, 496-502.	2.7	16
82	EVOH in situ fibrillation and its effect of strengthening, toughening and hydrophilic modification on PVDF hollow fiber microfiltration membrane via TIPS process. Journal of Materials Science, 2019, 54, 5971-5987.	1.7	26
83	Adsorption for copper(II) ion with chitosan-SP/PET composite adsorbent enhanced by electric field. Adsorption Science and Technology, 2019, 37, 274-287.	1.5	10
84	A three-stage fixed-bed electrochemical reactor for biologically treated landfill leachate treatment. Chemical Engineering Journal, 2019, 376, 121026.	6.6	31
85	Fabricating PVDF hollow fiber microfiltration membrane with a tenon-connection structure via the thermally induced phase separation process to enhance strength and permeability. European Polymer Journal, 2019, 111, 49-62.	2.6	32
86	The role of nanoparticles in the performance of nano-enabled composite membranes â€“ A critical scientific perspective. Science of the Total Environment, 2019, 656, 723-731.	3.9	45
87	Enhanced performance of conductive polysulfone/MWCNT/PANI ultrafiltration membrane in an online fouling monitoring application. Journal of Membrane Science, 2019, 575, 160-169.	4.1	40
88	Optimal design and evaluation of electrocatalytic reactors with nano-MnOx/Ti membrane electrode for wastewater treatment. Chemical Engineering Journal, 2019, 376, 120190.	6.6	41
89	An integrated process of catalytic hydrolysis and membrane separation for fatty acids production from lard oil. Canadian Journal of Chemical Engineering, 2018, 96, 2014-2024.	0.9	7
90	Chitosan-graft-benzo-15-crown-5-ether/PVA Blend Membrane with Sponge-Like Pores for Lithium Isotope Adsorptive Separation. ACS Omega, 2018, 3, 554-561.	1.6	24

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91	MnO_x/Ti Composite Membrane Anode in the Electrocatalytic Membrane Reactor for Phenolic Wastewater Treatment. Journal of the Electrochemical Society, 2018, 165, E20-E27.	1.3	20
92	A novel green biosorbent from chitosan modified by sodium phytate for copper (II) ion removal. Polymers for Advanced Technologies, 2018, 29, 285-293.	1.6	18
93	In situ one-pot formation of crown ether functionalized polysulfone membranes for highly efficient lithium isotope adsorptive separation. European Polymer Journal, 2018, 109, 288-296.	2.6	25
94	Macrovoid-free PES/SPSf/O-MWCNT ultrafiltration membranes with improved mechanical strength, antifouling and antibacterial properties. Journal of Membrane Science, 2018, 566, 288-300.	4.1	76
95	Preparation of PSf-g-BN15C5/NWF composite membrane with sponge-like pore structure for lithium isotopes adsorptive separation. Journal of the Taiwan Institute of Chemical Engineers, 2018, 91, 507-516.	2.7	15
96	Antibacterial and environmentally friendly chitosan/polyvinyl alcohol blend membranes for air filtration. Carbohydrate Polymers, 2018, 198, 241-248.	5.1	115
97	Preparation of polysulfone-graft-monoazabenzo-15-crown-5 ether porous membrane for lithium isotope separation. Journal of Radioanalytical and Nuclear Chemistry, 2018, 317, 111-119.	0.7	15
98	Nano-V₂O₅/Ti porous membrane electrode with enhanced electrochemical activity for the high-efficiency oxidation of cyclohexane. Green Chemistry, 2018, 20, 3944-3953.	4.6	48
99	The Effect of Diluent Mixture with Upper Critical Solution Temperature on Membrane Formation Process, Microstructure, and Performance of PVDF Hollow Fiber Membrane by TIPS Process. Polymers, 2018, 10, 719.	2.0	10
100	Effect of Solvent on Conversion and Selectivity during the Selective Oxidation of Cyclohexane by Nano-V₂O₅/Ti Membrane Electrode. Journal of the Electrochemical Society, 2018, 165, H460-H465.	1.3	6
101	Tubular electrocatalytic membrane reactor for alcohol oxidation: CFD simulation and experiment. Chinese Journal of Chemical Engineering, 2017, 25, 18-25.	1.7	23
102	Polyvinyl alcohol-graft-benzo-15-crown-5 ether for lithium isotopes separation by liquidâ€“solid extraction. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 2061-2068.	0.7	23
103	Fabrication of PVDF-based blend membrane with a thin hydrophilic deposition layer and a network structure supporting layer via the thermally induced phase separation followed by non-solvent induced phase separation process. Applied Surface Science, 2017, 419, 429-438.	3.1	52
104	Removal of antibiotics (sulfamethazine, tetracycline and chloramphenicol) from aqueous solution by raw and nitrogen plasma modified steel shavings. Science of the Total Environment, 2017, 601-602, 845-856.	3.9	24
105	New and practical mathematical model of membrane fouling in an aerobic submerged membrane bioreactor. Bioresource Technology, 2017, 238, 86-94.	4.8	44
106	Continuous transesterification to produce biodiesel under HTCC/Na2SiO3/NWF composite catalytic membrane in flow-through membrane reactor. Fuel, 2017, 197, 51-57.	3.4	30
107	Engineering Interface with One-Dimensional Co₃O₄ Nanostructure in Catalytic Membrane Electrode: Toward an Advanced Electrocatalyst for Alcohol Oxidation. ACS Nano, 2017, 11, 12365-12377.	7.3	103
108	Preparation of PES/SPSf blend ultrafiltration membranes with high performance via H2O-induced gelation phase separation. Journal of Membrane Science, 2017, 540, 136-145.	4.1	95

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109	Synthesis of Butyl Acetate in a Membrane Reactor in a Flow-Through Mode. International Journal of Chemical Reactor Engineering, 2016, 14, 579-585.	0.6	6
110	The effect of sulfonated polysulfone on the compatibility and structure of polyethersulfone-based blend membranes. Journal of Membrane Science, 2016, 513, 1-11.	4.1	128
111	Biofouling and control approaches in membrane bioreactors. Bioresource Technology, 2016, 221, 656-665.	4.8	111
112	Effects of hydraulic retention time and bioflocculant addition on membrane fouling in a sponge-submerged membrane bioreactor. Bioresource Technology, 2016, 210, 11-17.	4.8	53
113	A filtration model for prediction of local flux distribution and optimization of submerged hollow fiber membrane module. AICHE Journal, 2015, 61, 4377-4386.	1.8	16
114	Controllable oxidation of cyclohexane to cyclohexanol and cyclohexanone by a nano-MnOx/Ti electrocatalytic membrane reactor. Journal of Catalysis, 2015, 329, 187-194.	3.1	58
115	Preparation and Characterization of Polysulfone-graft-4â€²-aminobenzo-15-crown-5-ether for Lithium Isotope Separation. Industrial & Engineering Chemistry Research, 2015, 54, 3473-3479.	1.8	48
116	Preparation and characterization of positively charged polyamide composite nanofiltration hollow fiber membrane for lithium and magnesium separation. Desalination, 2015, 369, 26-36.	4.0	192
117	Phenolic wastewater treatment by an electrocatalytic membrane reactor. Catalysis Today, 2014, 236, 121-126.	2.2	78
118	An innovative auto-catalytic esterification for the production of phytosterol esters: experiment and kinetics. RSC Advances, 2014, 4, 64319-64327.	1.7	21
119	An electrocatalytic reactor for the high selectivity production of sodium 2,2,3,3-tetrafluoropropionate from 2,2,3,3-tetrafluoro-1-propanol. Electrochimica Acta, 2014, 123, 33-41.	2.6	24
120	Esterification of Acetic Acid and Ethanol in a Flowâ€Through Membrane Reactor Coupled with Pervaporation. Chemical Engineering and Technology, 2014, 37, 478-482.	0.9	16
121	A comparison study on membrane fouling in a sponge-submerged membrane bioreactor and a conventional membrane bioreactor. Bioresource Technology, 2014, 165, 69-74.	4.8	100
122	Controllable oxidation of glucose to gluconic acid and glucaric acid using an electrocatalytic reactor. Electrochimica Acta, 2014, 130, 170-178.	2.6	96
123	Properties of poly(vinylidene fluoride)-graft-poly(N-isopropylacrylamide) membranes prepared by alkali treatment. Journal of Polymer Research, 2013, 20, 1.	1.2	10
124	Electrocatalytic oxidation of n-propanol to produce propionic acid using an electrocatalytic membrane reactor. Chemical Communications, 2013, 49, 4501.	2.2	35
125	The surface modification of coal-based carbon membranes by different acids. Desalination and Water Treatment, 2013, 51, 5855-5862.	1.0	4
126	Continuous esterification to produce biodiesel by SPES/PES/NWF composite catalytic membrane in flow-through membrane reactor: Experimental and kinetic studies. Bioresource Technology, 2013, 129, 100-107.	4.8	52

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127	Novel Functionalized Nano-TiO₂ Loading Electrocatalytic Membrane for Oily Wastewater Treatment. Environmental Science & Technology, 2012, 46, 6815-6821.	4.6	194
128	Demulsification and Interfacial Properties of Crosslinking Phenol-Amine Resin Block Polyether Demulsifiers. Journal of Dispersion Science and Technology, 2012, 33, 1674-1681.	1.3	14
129	In-situ monitoring of polysulfone membrane formation via immersion precipitation using an ultrasonic through-transmission technique. Desalination and Water Treatment, 2011, 32, 214-225.	1.0	9
130	In-situ monitoring of asymmetric poly(ethylene-co-vinyl alcohol) membrane formation via a phase inversion process by an ultrasonic through-transmission technique. Desalination, 2011, 283, 25-30.	4.0	22
131	An Electrocatalytic Membrane Reactor with Selfâ€Cleaning Function for Industrial Wastewater Treatment. Angewandte Chemie - International Edition, 2011, 50, 2148-2150.	7.2	132
132	Formation and structural evolution of biphenyl polyamide thin film on hollow fiber membrane during interfacial polymerization. Journal of Membrane Science, 2011, 373, 98-106.	4.1	58
133	In situ monitoring of membrane fouling in spiral-wound RO modules by UTDR with a sound intensity modeling. Desalination and Water Treatment, 2011, 32, 226-233.	1.0	9
134	Preparation and characterization of PSSA/PVA catalytic membrane for biodiesel production. Fuel, 2010, 89, 2299-2304.	3.4	91
135	Preparation and characterization of the organicâ€“inorganic hybrid membrane for biodiesel production. Bioresource Technology, 2010, 101, 1501-1505.	4.8	71
136	Visualization of fouling and diffusion behaviors during hollow fiber microfiltration of oily wastewater by ultrasonic reflectometry and wavelet analysis. Journal of Membrane Science, 2009, 341, 195-202.	4.1	44
137	Used lubricating oil recycling using a membrane filtration: Analysis of efficiency, structural and composing. Desalination and Water Treatment, 2009, 11, 73-80.	1.0	22
138	In-situ monitoring of inorganic and microbial synergistic fouling during nanofi ltration by UTDR. Desalination and Water Treatment, 2009, 11, 15-22.	1.0	7
139	Development of an ultrasonic technique for in situ investigating the properties of deposited protein during crossflow ultrafiltration. Journal of Colloid and Interface Science, 2005, 284, 228-238.	5.0	44