Xiaocheng Lin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4880465/publications.pdf

Version: 2024-02-01

50 papers	2,712 citations	159525 30 h-index	182361 51 g-index
51 all docs	51 docs citations	51 times ranked	3275 citing authors

#	Article	IF	Citations
1	Piperazine-functionalized porous anion exchange membranes for efficient acid recovery by diffusion dialysis. Journal of Membrane Science, 2022, 654, 120560.	4.1	20
2	Durable superhydrophobic polyvinylidene fluoride membranes via facile spray-coating for effective membrane distillation. Desalination, 2022, 538, 115925.	4.0	34
3	Novel multiâ€“SO3H functionalized ionic liquids as highly efficient catalyst for synthesis of biodiesel. Green Energy and Environment, 2021, 6, 271-282.	4.7	31
4	High-performance porous anion exchange membranes for efficient acid recovery from acidic wastewater by diffusion dialysis. Journal of Membrane Science, 2021, 624, 119116.	4.1	31
5	One-step fabrication of polymeric self-solidifying ionic liquids as the efficient catalysts for biodiesel production. Journal of Cleaner Production, 2021, 292, 125967.	4.6	17
6	Polymeric ionic liquids (PILs) with high acid density: Tunable catalytic performance for biodiesel production. Chinese Journal of Chemical Engineering, 2021, 38, 266-275.	1.7	3
7	Porous Anion Exchange Membrane for Effective Acid Recovery by Diffusion Dialysis. Processes, 2021, 9, 1049.	1.3	9
8	Integrated loose nanofiltration-electrodialysis process for sustainable resource extraction from high-salinity textile wastewater. Journal of Hazardous Materials, 2021, 419, 126505.	6.5	38
9	Reusable and efficient heterogeneous catalysts for biodiesel production from free fatty acids and oils: Self-solidifying hybrid ionic liquids. Energy, 2020, 211, 118631.	4.5	22
10	Ionic Liquid@Amphiphilic Silica Nanoparticles: Novel Catalysts for Converting Waste Cooking Oil to Biodiesel. ACS Sustainable Chemistry and Engineering, 2020, 8, 18054-18061.	3.2	22
11	Loose nanofiltration-based electrodialysis for highly efficient textile wastewater treatment. Journal of Membrane Science, 2020, 608, 118182.	4.1	68
12	Self-Solidifying Quaternary Phosphonium-Containing Ionic Liquids as Efficient and Reusable Catalysts for Biodiesel Production. ACS Sustainable Chemistry and Engineering, 2020, 8, 6956-6963.	3.2	25
13	Porous polymer microsphere functionalized with benzimidazolium based ionic liquids as effective solid catalysts for esterification. Chinese Journal of Chemical Engineering, 2019, 27, 2455-2466.	1.7	7
14	Acidic chitosan membrane as an efficient catalyst for biodiesel production from oleic acid. Renewable Energy, 2019, 143, 1488-1499.	4.3	16
15	Self-solidification ionic liquids as heterogeneous catalysts for biodiesel production. Green Chemistry, 2019, 21, 3182-3189.	4.6	35
16	The enhanced hydrogen separation performance of mixed matrix membranes by incorporation of two-dimensional ZIF-L into polyimide containing hydroxyl group. Journal of Membrane Science, 2018, 549, 260-266.	4.1	82
17	A low-pressure GO nanofiltration membrane crosslinked via ethylenediamine. Journal of Membrane Science, 2018, 548, 363-371.	4.1	88
18	Novel triazolium-based ionic liquids as effective catalysts for transesterification of palm oil to biodiesel. Journal of Molecular Liquids, 2018, 249, 732-738.	2.3	32

#	Article	IF	Citations
19	Bromomethylated poly(phenylene oxide) (BPPO)â€assisted fabrication of UiOâ€66â€NH₂/BPPO/polyethersulfone mixed matrix membrane for enhanced gas separation. Journal of Applied Polymer Science, 2018, 135, 46759.	1.3	19
20	Design and synthesis of novel BrÃ¸nsted-Lewis acidic ionic liquid and its application in biodiesel production from soapberry oil. Energy Conversion and Management, 2018, 166, 318-327.	4.4	44
21	Controllable fabrication of heterostructured Au/Bi₂O₃ with plasmon effect for efficient photodegradation of rhodamine 6G. Journal of Experimental Nanoscience, 2017, 12, 33-44.	1.3	8
22	Highly crosslinked, chlorine tolerant polymer network entwined graphene oxide membrane for water desalination. Journal of Materials Chemistry A, 2017, 5, 1533-1540.	5.2	96
23	Preparation of porous diffusion dialysis membranes by functionalization of polysulfone for acid recovery. Journal of Membrane Science, 2017, 524, 557-564.	4.1	59
24	Direct Superassemblies of Freestanding Metalâ€“Carbon Frameworks Featuring Reversible Crystalline-Phase Transformation for Electrochemical Sodium Storage. Journal of the American Chemical Society, 2016, 138, 16533-16541.	6.6	120
25	Asymmetrically porous anion exchange membranes with an ultrathin selective layer for rapid acid recovery. Journal of Membrane Science, 2016, 510, 437-446.	4.1	27
26	A one-dimensional material as a nano-scaffold and a pseudo-seed for facilitated growth of ultrathin, mechanically reinforced molecular sieving membranes. Chemical Communications, 2016, 52, 13764-13767.	2.2	38
27	Rapid Construction of ZnO@ZIF-8 Heterostructures with Size-Selective Photocatalysis Properties. ACS Applied Materials & Interfaces, 2016, 8, 9080-9087.	4.0	310
28	Aqueous Phase Synthesis of ZIF-8 Membrane with Controllable Location on an Asymmetrically Porous Polymer Substrate. ACS Applied Materials & Interfaces, 2016, 8, 6236-6244.	4.0	95
29	Porous diffusion dialysis membranes for rapid acid recovery. Journal of Membrane Science, 2016, 502, 76-83.	4.1	52
30	Rapid synthesis of ultrathin, defect-free ZIF-8 membranes via chemical vapour modification of a polymeric support. Chemical Communications, 2015, 51, 11474-11477.	2.2	103
31	Fabrication of asymmetrical diffusion dialysis membranes for rapid acid recovery with high purity. Journal of Materials Chemistry A, 2015, 3, 24000-24007.	5.2	49
32	Quaternized membranes bearing zwitterionic groups for vanadium redox flow battery through a green route. Journal of Membrane Science, 2015, 483, 60-69.	4.1	56
33	Composite ultrafiltration membranes from polymer and its quaternary phosphonium-functionalized derivative with enhanced water flux. Journal of Membrane Science, 2015, 482, 67-75.	4.1	44
34	Bipolar membrane electrodialysis in aquaâ€“ethanol medium: Production of salicylic acid. Journal of Membrane Science, 2015, 482, 76-82.	4.1	53
35	Polysulfone and Its Quaternary Phosphonium Derivative Composite Membranes with High Water Flux. Industrial & Engineering Chemistry Research, 2015, 54, 3333-3340.	1.8	11
36	Immobilization of N-(3-aminopropyl)-imidazole through MOFs in proton conductive membrane for elevated temperature anhydrous applications. Journal of Membrane Science, 2014, 458, 86-95.	4.1	34

#	Article	IF	Citations
37	Hydrophilic Nanowire Modified Polymer Ultrafiltration Membranes with High Water Flux. ACS Applied Materials & Interfaces, 2014, 6, 19161-19167.	4.0	22
38	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
39	Synthesis and Characterization of Chitosan-Grafted BPPO Ultrafiltration Composite Membranes with Enhanced Antifouling and Antibacterial Properties. Industrial & Engineering Chemistry Research, 2014, 53, 14974-14981.	1.8	27
40	Slow hydrophobic hydration induced polymer ultrafiltration membranes with high water flux. Journal of Membrane Science, 2014, 471, 27-34.	4.1	32
41	Alkaline polymer electrolytes containing pendant dimethylimidazolium groups for alkaline membrane fuel cells. Journal of Materials Chemistry A, 2013, 1, 7262.	5.2	135
42	Cross-linked anion exchange membranes for alkaline fuel cells synthesized using a solvent free strategy. Journal of Power Sources, 2013, 233, 259-268.	4.0	57
43	Novel alkaline anion exchange membranes containing pendant benzimidazolium groups for alkaline fuel cells. Journal of Membrane Science, 2013, 443, 193-200.	4.1	113
44	A convenient, efficient and green route for preparing anion exchange membranes for potential application in alkaline fuel cells. Journal of Membrane Science, 2013, 425-426, 190-199.	4.1	27
45	A novel route for preparing highly proton conductive membrane materials with metal-organic frameworks. Chemical Communications, 2013, 49, 143-145.	2.2	130
46	Synthesis of soluble copolymers bearing ionic graft for alkaline anion exchange membrane. RSC Advances, 2012, 2, 4250.	1.7	53
47	Alkali resistant and conductive guanidinium-based anion-exchange membranes for alkaline polymer electrolyte fuel cells. Journal of Power Sources, 2012, 217, 373-380.	4.0	148
48	Synthesis and Properties of Quaternary Phosphoniumâ€based Anion Exchange Membrane for Fuel Cells. Chinese Journal of Chemistry, 2012, 30, 2241-2246.	2.6	40
49	Freeâ€standing hybrid anionâ€exchange membranes for application in fuel cells. Journal of Applied Polymer Science, 2012, 123, 3644-3651.	1.3	13
50	Novel silica/poly(2,6-dimethyl-1,4-phenylene oxide) hybrid anion-exchange membranes for alkaline fuel cells: Effect of heat treatment. Journal of Membrane Science, 2009, 338, 51-60.	4.1	88