Susilo Japip

List of Publications by Year
in descending order

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37 papers	2,459 citations	236833 25 h-index	330025 37 g-index
37 all docs	37 docs citations	37 times ranked	2431 citing authors

#	Article	IF	Citations
1	Polyamide-based membranes with structural homogeneity for ultrafast molecular sieving. Nature Communications, 2022, 13, 500.	5.8	84
2	Breaking through permeabilityâ€“selectivity tradeâ€off of thinâ€film composite membranes assisted with crown ethers. AICHE Journal, 2021, 67, e17173.	1.8	17
3	Novel Cellulose Triacetate (CTA)/Cellulose Diacetate (CDA) Blend Membranes Enhanced by Amine Functionalized ZIF-8 for CO2 Separation. Polymers, 2021, 13, 2946.	2.0	14
4	Revitalize integrally skinned hollow fiber membranes with spatially impregnated 3D-macrocycles for organic solvent nanofiltration. Chemical Engineering Journal, 2021, 422, 130015.	6.6	13
5	Fabrication of thin-film composite membranes for organic solvent nanofiltration by mixed monomeric polymerization on ionic liquid/water interfaces. Journal of Membrane Science, 2021, 636, 119551.	4.1	32
6	The Role of Fluorinated Aryl Ether Moiety in Polyimide-co-etherimide on Gas Transport Properties. Industrial & Engineering Chemistry Research, 2020, 59, 5315-5323.	1.8	18
7	UiO-66-NH2 incorporated dual-layer hollow fibers made by immiscibility induced phase separation (I2PS) process for ethanol dehydration via pervaporation. Journal of Membrane Science, 2020, 595, 117571.	4.1	21
8	The encouraging improvement of polyamide nanofiltration membrane by cucurbiturilâ€based hostâ€“guest chemistry. AICHE Journal, 2020, 66, e16879.	1.8	64
9	Can Composite Janus Membranes with an Ultrathin Dense Hydrophilic Layer Resist Wetting in Membrane Distillation?. Environmental Science & Technology, 2020, 54, 12713-12722.	4.6	71
10	Double Cross-Linked POSS-Containing Thin Film Nanocomposite Hollow Fiber Membranes for Brackish Water Desalination via Reverse Osmosis. Industrial & Engineering Chemistry Research, 2020, 59, 22272-22280.	1.8	8
11	Molecularly tunable thin-film nanocomposite membranes with enhanced molecular sieving for organic solvent forward osmosis. Nature Communications, 2020, 11, 1198.	5.8	77
12	Preparation of glycine mediated graphene oxide/g-C3N4 lamellar membranes for nanofiltration. Journal of Membrane Science, 2020, 601, 117948.	4.1	51
13	Emerging thin-film nanocomposite (TFN) membranes for reverse osmosis: A review. Water Research, 2020, 173, 115557.	5.3	230
14	A solution-processable and ultra-permeable conjugated microporous thermoset for selective hydrogen separation. Nature Communications, 2020, 11, 1633.	5.8	40
15	Infiltrating molecular gatekeepers with coexisting molecular solubility and 3D-intrinsic porosity into a microporous polymer scaffold for gas separation. Journal of Materials Chemistry A, 2020, 8, 6196-6209.	5.2	47
16	One-step enhancement of solvent transport, stability and photocatalytic properties of graphene oxide/polyimide membranes with multifunctional cross-linkers. Journal of Materials Chemistry A, 2019, 7, 3170-3178.	5.2	102
17	WS2 deposition on cross-linked polyacrylonitrile with synergistic transformation to yield organic solvent nanofiltration membranes. Journal of Membrane Science, 2019, 588, 117219.	4.1	27
18	Hydroxyl-terminated poly(ethyleneimine) polymer enhanced ultrafiltration for boron removal. Separation and Purification Technology, 2019, 222, 214-220.	3.9	22

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19	Reduced thermal rearrangement temperature via formation of zeolitic imidazolate framework (ZIF)-8-based nanocomposites for hydrogen purification. Separation and Purification Technology, 2019, 212, 965-973.	3.9	28
20	Precise Molecular Sieving Architectures with Janus Pathways for Both Polar and Nonpolar Molecules. Advanced Materials, 2018, 30, 1705933.	11.1	190
21	Graphene oxide (GO) laminar membranes for concentrating pharmaceuticals and food additives in organic solvents. Carbon, 2018, 130, 503-514.	5.4	84
22	Mixed matrix membranes with nano-sized functional UiO-66-type MOFs embedded in 6FDA-HAB/DABA polyimide for dehydration of C1-C3 alcohols via pervaporation. Journal of Membrane Science, 2018, 549, 217-226.	4.1	57
23	Membrane Technology: Advanced Porous Materials in Mixed Matrix Membranes (Adv. Mater. 47/2018). Advanced Materials, 2018, 30, 1870355.	11.1	6
24	Hydrogen storage in molecular clathrate cages under conditions of moderate pressure and ambient temperature. International Journal of Hydrogen Energy, 2018, 43, 19998-20003.	3.8	8
25	Advanced Porous Materials in Mixed Matrix Membranes. Advanced Materials, 2018, 30, e1802401.	11.1	229
26	Organic solvent resistant membranes made from a cross-linked functionalized polymer with intrinsic microporosity (PIM) containing thioamide groups. Chemical Engineering Journal, 2018, 353, 689-698.	6.6	61
27	Green Layerâ€byâ€Layer Method for the Preparation of Polyacrylonitrileâ€Supported Zinc Benzeneâ€1,4â€dicarboxylic Acid Membranes. ChemSusChem, 2018, 11, 2612-2619.	3.6	25
28	Green Design of Poly(m-Phenylene Isophthalamide)-Based Thin-Film Composite Membranes for Organic Solvent Nanofiltration and Concentrating Lecithin in Hexane. ACS Sustainable Chemistry and Engineering, 2018, 6, 10696-10705.	3.2	46
29	Boron-embedded hydrolyzed PIM-1 carbon membranes for synergistic ethylene/ethane purification. Journal of Membrane Science, 2017, 534, 92-99.	4.1	40
30	Molecularly Tuned Free Volume of Vapor Crossâ€Linked 6FDAâ€Durene/ZIFâ€71 MMMs for H₂/CO₂ Separation at 150 Â°C. Advanced Materials, 2017, 29, 1603833.	11.1	98
31	From ultrafiltration to nanofiltration: Hydrazine cross-linked polyacrylonitrile hollow fiber membranes for organic solvent nanofiltration. Journal of Membrane Science, 2017, 542, 289-299.	4.1	102
32	Thermally evolved and boron bridged graphene oxide (GO) frameworks constructed on microporous hollow fiber substrates for water and organic matters separation. Carbon, 2017, 123, 193-204.	5.4	19
33	Particle-Size Effects on Gas Transport Properties of 6FDA-Durene/ZIF-71 Mixed Matrix Membranes. Industrial & Engineering Chemistry Research, 2016, 55, 9507-9517.	1.8	96
34	Enhancement of molecular-sieving properties by constructing surface nano-metric layer via vapor cross-linking. Journal of Membrane Science, 2016, 497, 248-258.	4.1	44
35	Highly permeable zeolitic imidazolate framework (ZIF)-71 nano-particles enhanced polyimide membranes for gas separation. Journal of Membrane Science, 2014, 467, 162-174.	4.1	238
36	Mixed matrix membranes containing MOFs for ethylene/ethane separationâ€”Part B: Effect of Cu3BTC2 on membrane transport properties. Journal of Membrane Science, 2013, 428, 331-340.	4.1	61

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37	Mixed matrix membranes containing MOFs for ethylene/ethane separation Part A: Membrane preparation and characterization. Journal of Membrane Science, 2013, 428, 445-453.	4.1	89