

# Susilo Japip

## List of Publications by Year in descending order

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37  
papers

2,459  
citations

236833

25  
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330025

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37  
docs citations

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times ranked

2431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly permeable zeolitic imidazolate framework (ZIF)-71 nano-particles enhanced polyimide membranes for gas separation. <i>Journal of Membrane Science</i> , 2014, 467, 162-174.	4.1	238
2	Emerging thin-film nanocomposite (TFN) membranes for reverse osmosis: A review. <i>Water Research</i> , 2020, 173, 115557.	5.3	230
3	Advanced Porous Materials in Mixed Matrix Membranes. <i>Advanced Materials</i> , 2018, 30, e1802401.	11.1	229
4	Precise Molecular Sieving Architectures with Janus Pathways for Both Polar and Nonpolar Molecules. <i>Advanced Materials</i> , 2018, 30, 1705933.	11.1	190
5	From ultrafiltration to nanofiltration: Hydrazine cross-linked polyacrylonitrile hollow fiber membranes for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2017, 542, 289-299.	4.1	102
6	One-step enhancement of solvent transport, stability and photocatalytic properties of graphene oxide/polyimide membranes with multifunctional cross-linkers. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3170-3178.	5.2	102
7	Molecularly Tuned Free Volume of Vapor Cross-Linked 6FDA-Durene/ZIF-71 MMMs for H <sub>2</sub> /CO <sub>2</sub> Separation at 150 Å°C. <i>Advanced Materials</i> , 2017, 29, 1603833.	11.1	98
8	Particle-Size Effects on Gas Transport Properties of 6FDA-Durene/ZIF-71 Mixed Matrix Membranes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 9507-9517.	1.8	96
9	Mixed matrix membranes containing MOFs for ethylene/ethane separation Part A: Membrane preparation and characterization. <i>Journal of Membrane Science</i> , 2013, 428, 445-453.	4.1	89
10	Graphene oxide (GO) laminar membranes for concentrating pharmaceuticals and food additives in organic solvents. <i>Carbon</i> , 2018, 130, 503-514.	5.4	84
11	Polyamide-based membranes with structural homogeneity for ultrafast molecular sieving. <i>Nature Communications</i> , 2022, 13, 500.	5.8	84
12	Molecularly tunable thin-film nanocomposite membranes with enhanced molecular sieving for organic solvent forward osmosis. <i>Nature Communications</i> , 2020, 11, 1198.	5.8	77
13	Can Composite Janus Membranes with an Ultrathin Dense Hydrophilic Layer Resist Wetting in Membrane Distillation?. <i>Environmental Science &amp; Technology</i> , 2020, 54, 12713-12722.	4.6	71
14	The encouraging improvement of polyamide nanofiltration membrane by cucurbituril-based host-guest chemistry. <i>AIChE Journal</i> , 2020, 66, e16879.	1.8	64
15	Mixed matrix membranes containing MOFs for ethylene/ethane separation Part B: Effect of Cu3BTC2 on membrane transport properties. <i>Journal of Membrane Science</i> , 2013, 428, 331-340.	4.1	61
16	Organic solvent resistant membranes made from a cross-linked functionalized polymer with intrinsic microporosity (PIM) containing thioamide groups. <i>Chemical Engineering Journal</i> , 2018, 353, 689-698.	6.6	61
17	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. <i>Journal of Membrane Science</i> , 2018, 549, 217-226.	4.1	57
18	Preparation of glycine mediated graphene oxide/g-C <sub>3</sub> N <sub>4</sub> lamellar membranes for nanofiltration. <i>Journal of Membrane Science</i> , 2020, 601, 117948.	4.1	51

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19	Infiltrating molecular gatekeepers with coexisting molecular solubility and 3D-intrinsic porosity into a microporous polymer scaffold for gas separation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6196-6209.	5.2	47
20	Green Design of Poly( <i>m</i> -Phenylene Isophthalamide)-Based Thin-Film Composite Membranes for Organic Solvent Nanofiltration and Concentrating Lecithin in Hexane. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10696-10705.	3.2	46
21	Enhancement of molecular-sieving properties by constructing surface nano-metric layer via vapor cross-linking. <i>Journal of Membrane Science</i> , 2016, 497, 248-258.	4.1	44
22	Boron-embedded hydrolyzed PIM-1 carbon membranes for synergistic ethylene/ethane purification. <i>Journal of Membrane Science</i> , 2017, 534, 92-99.	4.1	40
23	A solution-processable and ultra-permeable conjugated microporous thermoset for selective hydrogen separation. <i>Nature Communications</i> , 2020, 11, 1633.	5.8	40
24	Fabrication of thin-film composite membranes for organic solvent nanofiltration by mixed monomeric polymerization on ionic liquid/water interfaces. <i>Journal of Membrane Science</i> , 2021, 636, 119551.	4.1	32
25	Reduced thermal rearrangement temperature via formation of zeolitic imidazolate framework (ZIF)-8-based nanocomposites for hydrogen purification. <i>Separation and Purification Technology</i> , 2019, 212, 965-973.	3.9	28
26	WS2 deposition on cross-linked polyacrylonitrile with synergistic transformation to yield organic solvent nanofiltration membranes. <i>Journal of Membrane Science</i> , 2019, 588, 117219.	4.1	27
27	Green Layer-by-Layer Method for the Preparation of Polyacrylonitrile-Supported Zinc Benzene-1,4-dicarboxylic Acid Membranes. <i>ChemSusChem</i> , 2018, 11, 2612-2619.	3.6	25
28	Hydroxyl-terminated poly(ethyleneimine) polymer enhanced ultrafiltration for boron removal. <i>Separation and Purification Technology</i> , 2019, 222, 214-220.	3.9	22
29	UiO-66-NH <sub>2</sub> incorporated dual-layer hollow fibers made by immiscibility induced phase separation (I2PS) process for ethanol dehydration via pervaporation. <i>Journal of Membrane Science</i> , 2020, 595, 117571.	4.1	21
30	Thermally evolved and boron bridged graphene oxide (GO) frameworks constructed on microporous hollow fiber substrates for water and organic matters separation. <i>Carbon</i> , 2017, 123, 193-204.	5.4	19
31	The Role of Fluorinated Aryl Ether Moiety in Polyimide-co-etherimide on Gas Transport Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 5315-5323.	1.8	18
32	Breaking through permeability-selectivity trade-off of thin-film composite membranes assisted with crown ethers. <i>AIChE Journal</i> , 2021, 67, e17173.	1.8	17
33	Novel Cellulose Triacetate (CTA)/Cellulose Diacetate (CDA) Blend Membranes Enhanced by Amine Functionalized ZIF-8 for CO <sub>2</sub> Separation. <i>Polymers</i> , 2021, 13, 2946.	2.0	14
34	Revitalize integrally skinned hollow fiber membranes with spatially impregnated 3D-macrocycles for organic solvent nanofiltration. <i>Chemical Engineering Journal</i> , 2021, 422, 130015.	6.6	13
35	Hydrogen storage in molecular clathrate cages under conditions of moderate pressure and ambient temperature. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 19998-20003.	3.8	8
36	Double Cross-Linked POSS-Containing Thin Film Nanocomposite Hollow Fiber Membranes for Brackish Water Desalination via Reverse Osmosis. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 22272-22280.	1.8	8

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37	Membrane Technology: Advanced Porous Materials in Mixed Matrix Membranes (Adv. Mater. 47/2018). Advanced Materials, 2018, 30, 1870355.	11.1	6