# Dan Hua

List of Publications by Year
in descending order



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|---|---|---|---|
| 21 papers | 991 citations | 516710 16 h-index | 752698 20 g-index |
| 21 all docs | 21 docs citations | 21 times ranked | 1129 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Precise Molecular Sieving Architectures with Janus Pathways for Both Polar and Nonpolar Molecules. Advanced Materials, 2018, 30, 1705933. | 21.0 | 190 |
| 2 | ZIF-90/P84 mixed matrix membranes for pervaporation dehydration of isopropanol. Journal of Membrane Science, 2014, 453, 155-167. | 8.2 | 142 |
| 3 | Cross-linked mixed matrix membranes (MMMs) consisting of amine-functionalized multi-walled carbon nanotubes and P84 polyimide for organic solvent nanofiltration (OSN) with enhanced flux. Journal of Membrane Science, 2018, 548, 319-331. | 8.2 | 116 |
| 4 | Polyelectrolyte functionalized lamellar graphene oxide membranes on polypropylene support for organic solvent nanofiltration. Carbon, 2017, 122, 604-613. | 10.3 | 92 |
| 5 | Aldehyde functionalized graphene oxide frameworks as robust membrane materials for pervaporative alcohol dehydration. Chemical Engineering Science, 2017, 161, 341-349. | 3.8 | 73 |
| 6 | Cross-linked mixed matrix membranes consisting of carboxyl-functionalized multi-walled carbon nanotubes and P84 polyimide for organic solvent nanofiltration (OSN). Separation and Purification Technology, 2017, 186, 243-254. | 7.9 | 66 |
| 7 | 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. | 6.7 | 46 |
| 8 | Synthesis of Gold Nanoplates with Bioreducing Agent Using Syringe Pumps: A Kinetic Control. Industrial & Engineering Chemistry Research, 2012, 51, 15753-15762. | 3.7 | 37 |
| 9 | Thin-film composite tri-bore hollow fiber (TFC TbHF) membranes for isopropanol dehydration by pervaporation. Journal of Membrane Science, 2014, 471, 155-167. | 8.2 | 34 |
| 10 | Universal surface modification by aldehydes on polymeric membranes for isopropanol dehydration via pervaporation. Journal of Membrane Science, 2015, 492, 197-208. | 8.2 | 32 |
| 11 | Green Layerâ€byâ€Layer Method for the Preparation of Polyacrylonitrileâ€Supported Zinc Benzeneâ€1,4â€dicarboxylic Acid Membranes. ChemSusChem, 2018, 11, 2612-2619. | 6.8 | 25 |
| 12 | High-pressure gasâ€“solid carbonation route coupled with a solid ionic liquid for rapid synthesis of rhombohedral calcite. Journal of Supercritical Fluids, 2012, 72, 78-83. | 3.2 | 24 |
| 13 | Coenzyme Q10 nanoparticles prepared by a supercritical fluid-based method. Journal of Supercritical Fluids, 2011, 57, 66-72. | 3.2 | 22 |
| 14 | Solidâ^'Liquidâ^'Gas Equilibrium of the Ternaries Ibuprofen + Myristic Acid + CO<sub>2</sub> and Ibuprofen + Tripalmitin + CO<sub>2</sub>. Journal of Chemical & Engineering Data, 2010, 55, 297-302. | 1.9 | 21 |
| 15 | Teflon AF2400/Ultem composite hollow fiber membranes for alcohol dehydration by highâ€temperature vapor permeation. AICHE Journal, 2016, 62, 1747-1757. | 3.6 | 20 |
| 16 | Integration of P84 and porphyrinâ€“based 2D MOFs (Mâ^'TCPP, MÂ=ÂZn, Cu, Co, Ni) for mixed matrix membranes towards enhanced performance in organic solvent nanofiltration. Separation and Purification Technology, 2022, 282, 120022. | 7.9 | 20 |
| 17 | Dehydration of industrial isopropanol (IPA) waste by pervaporation and vapor permeation membranes. Journal of Applied Polymer Science, 2018, 135, 45086. | 2.6 | 15 |
| 18 | Solidâ€“liquidâ€“gas equilibrium for binary systems containing N2: Measurement and modeling. Fluid Phase Equilibria, 2011, 302, 190-194. | 2.5 | 8 |

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|---|---|---|---|
| 19 | A high-pressure polar light microscopy to study the melt crystallization of myristic acid and ibuprofen in CO2. Journal of Supercritical Fluids, 2014, 87, 22-27. | 3.2 | 5 |
| 20 | Solidâ€“liquidâ€“gas equilibrium of the naphthaleneâ€“biphenylâ€“CO2 system: Measurement and modeling. Fluid Phase Equilibria, 2010, 299, 109-115. | 2.5 | 3 |
| 21 | Pervaporation and Vapor Separation. , 2019, , 181-231. | | 0 |