# Joanna Kujawa

## List of Publications by Citations



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|---|---|---|---|
| 795 papers | 36,044 citations | 90 h-index | 145 g-index |
| 830 ext. papers | 40,794 ext. citations | 7.1 avg, IF | 7.75 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 795 | Membrane Gas Separation: A Review/State of the Art. *Industrial & Engineering Chemistry Research*, **2009**, 48, 4638-4663 | 3.9 | 1516 |
| 794 | Membrane technologies for CO2 separation. *Journal of Membrane Science*, **2010**, 359, 115-125 | 9.6 | 630 |
| 793 | Membrane distillation: Recent developments and perspectives. *Desalination*, **2015**, 356, 56-84 | 10.3 | 626 |
| 792 | Potential of membrane distillation in seawater desalination: Thermal efficiency, sensitivity study and cost estimation. *Journal of Membrane Science*, **2008**, 323, 85-98 | 9.6 | 589 |
| 791 | Membrane Distillation and Related Operations□A Review. *Separation and Purification Reviews*, **2005**, 34, 35-86 | 7.3 | 509 |
| 790 | Recent advances on membrane processes for the concentration of fruit juices: a review. *Journal of Food Engineering*, **2004**, 63, 303-324 | 6 | 379 |
| 789 | Zeolite Membranes. *Advanced Materials*, **1999**, 11, 975-996 | 24 | 355 |
| 788 | Recent progress in fluoropolymers for membranes. *Progress in Polymer Science*, **2014**, 39, 164-198 | 29.6 | 313 |
| 787 | Remediation of textile effluents by membrane based treatment techniques: a state of the art review. *Journal of Environmental Management*, **2015**, 147, 55-72 | 7.9 | 293 |
| 786 | Biocatalytic membrane reactors: applications and perspectives. *Trends in Biotechnology*, **2000**, 18, 339-49 | 15.1 | 277 |
| 785 | Membrane engineering in process intensification□An overview. *Journal of Membrane Science*, **2011**, 380, 1-8 | 9.6 | 269 |
| 784 | Direct contact membrane distillation: modelling and concentration experiments. *Journal of Membrane Science*, **2000**, 166, 1-11 | 9.6 | 268 |
| 783 | Effect of additives in the casting solution on the formation of PVDF membranes. *Desalination*, **2006**, 192, 190-197 | 10.3 | 250 |
| 782 | Membrane distillation-crystallization of seawater reverse osmosis brines. *Separation and Purification Technology*, **2010**, 71, 76-82 | 8.3 | 242 |
| 781 | Studies on various reactor configurations for coupling photocatalysis and membrane processes in water purification. *Journal of Membrane Science*, **2002**, 206, 399-415 | 9.6 | 237 |
| 780 | Towards non-toxic solvents for membrane preparation: a review. *Green Chemistry*, **2014**, 16, 4034 | 10 | 233 |
| 779 | Treatment of aqueous effluents of the leather industry by membrane processes. *Journal of Membrane Science*, **2001**, 181, 111-126 | 9.6 | 233 |

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| 778 | Poly(vinylidene fluoride) membranes by phase inversion: the role the casting and coagulation conditions play in their morphology, crystalline structure and properties. *European Polymer Journal*, **2007**, 43, 1557-1572 | 5.2 | 230 |
| 777 | Understanding the non-solvent induced phase separation (NIPS) effect during the fabrication of microporous PVDF membranes via thermally induced phase separation (TIPS). *Journal of Membrane Science*, **2016**, 514, 250-263 | 9.6 | 230 |
| 776 | Recovery and concentration of polyphenols from olive mill wastewaters by integrated membrane system. *Water Research*, **2010**, 44, 3883-92 | 12.5 | 218 |
| 775 | Progress and New Perspectives on Integrated Membrane Operations for Sustainable Industrial Growth. *Industrial & Engineering Chemistry Research*, **2001**, 40, 1277-1300 | 3.9 | 215 |
| 774 | Study on a photocatalytic membrane reactor for water purification. *Catalysis Today*, **2000**, 55, 71-78 | 5.3 | 197 |
| 773 | Crystalline polymorphism in poly(vinylidenefluoride) membranes. *Progress in Polymer Science*, **2015**, 51, 94-126 | 29.6 | 195 |
| 772 | Thermally induced phase separation and electrospinning methods for emerging membrane applications: A review. *AICHE Journal*, **2016**, 62, 461-490 | 3.6 | 191 |
| 771 | Membrane technology in renewable-energy-driven desalination. *Renewable and Sustainable Energy Reviews*, **2018**, 81, 1-21 | 16.2 | 187 |
| 770 | Permeation through a heterogeneous membrane: the effect of the dispersed phase. *Journal of Membrane Science*, **1997**, 128, 141-149 | 9.6 | 187 |
| 769 | Mass transfer and metabolic reactions in hepatocyte spheroids cultured in rotating wall gas-permeable membrane system. *Biomaterials*, **2007**, 28, 5487-97 | 15.6 | 187 |
| 768 | Sustainable wastewater treatment and recycling in membrane manufacturing. *Green Chemistry*, **2015**, 17, 5196-5205 | 10 | 178 |
| 767 | Influence of operating parameters on the arsenic removal by nanofiltration. *Water Research*, **2010**, 44, 97-104 | 12.5 | 177 |
| 766 | A review on membrane engineering for innovation in wearable fabrics and protective textiles. *Journal of Membrane Science*, **2013**, 446, 350-375 | 9.6 | 170 |
| 765 | Integrated membrane systems for seawater desalination: energetic and exergetic analysis, economic evaluation, experimental study. *Desalination*, **2007**, 203, 260-276 | 10.3 | 168 |
| 764 | Clarification and concentration of citrus and carrot juices by integrated membrane processes. *Journal of Food Engineering*, **2003**, 57, 153-163 | 6 | 164 |
| 763 | Preparation of hollow fibre membranes from PVDF/PVP blends and their application in VMD. *Journal of Membrane Science*, **2010**, 364, 219-232 | 9.6 | 159 |
| 762 | Poly(vinylidene fluoride) membrane preparation with an environmental diluent via thermally induced phase separation. *Journal of Membrane Science*, **2013**, 444, 223-236 | 9.6 | 157 |
| 761 | Theoretical and Experimental Study on Membrane Distillation in the Concentration of Orange Juice. *Industrial & Engineering Chemistry Research*, **1994**, 33, 1803-1808 | 3.9 | 156 |

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| 760 | A review of polymeric nanocomposite membranes for water purification. *Journal of Industrial and Engineering Chemistry*, **2019**, 73, 19-46 | 6.3 | 151 |
| 759 | Fractionation of olive mill wastewaters by membrane separation techniques. *Journal of Hazardous Materials*, **2013**, 248-249, 185-93 | 12.8 | 148 |
| 758 | Membrane distillation operated at high seawater concentration factors: Role of the membrane on CaCO3 scaling in presence of humic acid. *Journal of Membrane Science*, **2010**, 346, 263-269 | 9.6 | 147 |
| 757 | Treatment of dye solutions by vacuum membrane distillation. *Water Research*, **2008**, 42, 5031-7 | 12.5 | 146 |
| 756 | Integrated system for recovery of CaCO3, NaCl and MgSO4□7H2O from nanofiltration retentate. *Journal of Membrane Science*, **2004**, 239, 27-38 | 9.6 | 146 |
| 755 | Water desalination using graphene-enhanced electrospun nanofiber membrane via air gap membrane distillation. *Journal of Membrane Science*, **2016**, 520, 99-110 | 9.6 | 144 |
| 754 | Membrane technology for water production in agriculture: Desalination and wastewater reuse. *Desalination*, **2015**, 364, 17-32 | 10.3 | 141 |
| 753 | Evaluation of energy requirements in membrane distillation. *Chemical Engineering and Processing: Process Intensification*, **2008**, 47, 1098-1105 | 3.7 | 138 |
| 752 | Filler-polymer combination: a route to modify gas transport properties of a polymeric membrane. *Polymer*, **2004**, 45, 5671-5681 | 3.9 | 136 |
| 751 | Membrane Crystallizers. *Industrial & Engineering Chemistry Research*, **2001**, 40, 2679-2684 | 3.9 | 136 |
| 750 | Progress and perspectives in PTFE membrane: Preparation, modification, and applications. *Journal of Membrane Science*, **2018**, 549, 332-349 | 9.6 | 135 |
| 749 | Ultrafiltration of kiwifruit juice: Operating parameters, juice quality and membrane fouling. *Journal of Food Engineering*, **2007**, 79, 613-621 | 6 | 129 |
| 748 | Process intensification in the textile industry: the role of membrane technology. *Journal of Environmental Management*, **2004**, 73, 267-74 | 7.9 | 127 |
| 747 | A membrane-based process for the clarification and the concentration of the cactus pear juice. *Journal of Food Engineering*, **2007**, 80, 914-921 | 6 | 125 |
| 746 | Hybrid processes coupling photocatalysis and membranes for degradation of organic pollutants in water. *Catalysis Today*, **2002**, 75, 77-85 | 5.3 | 125 |
| 745 | Effect of thermal history on water sorption, elastic properties and the glass transition of epoxy resins. *Polymer*, **1979**, 20, 1143-1148 | 3.9 | 125 |
| 744 | Catalytic polymeric membranes: Preparation and application. *Applied Catalysis A: General*, **2006**, 307, 167-183 | 5.1 | 124 |
| 743 | Evaluation of cell behaviour related to physico-chemical properties of polymeric membranes to be used in bioartificial organs. *Biomaterials*, **2002**, 23, 2485-97 | 15.6 | 124 |

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| 742 | A novel green solvent alternative for polymeric membrane preparation via nonsolvent-induced phase separation (NIPS). *Journal of Membrane Science*, **2019**, 574, 44-54 | 9.6 | 121 |
| 741 | Direct contact membrane distillation for treatment of oilfield produced water. *Separation and Purification Technology*, **2014**, 126, 69-81 | 8.3 | 119 |
| 740 | Clarification and concentration of pomegranate juice (Punica granatum L.) using membrane processes. *Journal of Food Engineering*, **2011**, 107, 366-373 | 6 | 119 |
| 739 | An analysis of the performance of membrane reactors for the water gas shift reaction using gas feed mixtures. *Catalysis Today*, **2000**, 56, 53-64 | 5.3 | 118 |
| 738 | Progress of Nanocomposite Membranes for Water Treatment. *Membranes*, **2018**, 8, | 3.8 | 116 |
| 737 | Separation and purification of phenolic compounds from pomegranate juice by ultrafiltration and nanofiltration membranes. *Journal of Food Engineering*, **2017**, 195, 1-13 | 6 | 114 |
| 736 | An economic feasibility study for water gas shift membrane reactor. *Journal of Membrane Science*, **2001**, 181, 21-27 | 9.6 | 113 |
| 735 | Progress in membrane crystallization. *Current Opinion in Chemical Engineering*, **2012**, 1, 178-182 | 5.4 | 111 |
| 734 | Clarification of blood orange juice by ultrafiltration: analyses of operating parameters, membrane fouling and juice quality. *Desalination*, **2007**, 212, 15-27 | 10.3 | 110 |
| 733 | Integrating Membrane Contactors Technology and Pressure-Driven Membrane Operations for Seawater Desalination. *Chemical Engineering Research and Design*, **2006**, 84, 209-220 | 5.5 | 110 |
| 732 | State of the Art and Recent Progresses in Membrane Contactors. *Chemical Engineering Research and Design*, **2005**, 83, 223-233 | 5.5 | 110 |
| 731 | Photocatalytic membrane reactors for degradation of organic pollutants in water. *Catalysis Today*, **2001**, 67, 273-279 | 5.3 | 109 |
| 730 | A study of membrane distillation and crystallization for lithium recovery from high-concentrated aqueous solutions. *Journal of Membrane Science*, **2016**, 505, 167-173 | 9.6 | 106 |
| 729 | A new integrated membrane process for producing clarified apple juice and apple juice aroma concentrate. *Journal of Food Engineering*, **2000**, 46, 109-125 | 6 | 106 |
| 728 | Simulation study of water gas shift reaction in a membrane reactor. *Journal of Membrane Science*, **2007**, 306, 329-340 | 9.6 | 105 |
| 727 | Permeation properties of a thin silicalite-1 (MFI) membrane. *Journal of Membrane Science*, **2003**, 222, 181-190 | 9.6 | 105 |
| 726 | A new integrated membrane process for the production of concentrated blood orange juice: Effect on bioactive compounds and antioxidant activity. *Food Chemistry*, **2008**, 106, 1021-1030 | 8.5 | 104 |
| 725 | Integrated membrane operations for seawater desalination. *Desalination*, **2002**, 147, 77-81 | 10.3 | 103 |

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| 724 | Comparison of the performance of UF membranes in olive mill wastewaters treatment. *Water Research*, **2011**, 45, 3197-204 | 12.5 | 102 |
| 723 | Experimental analysis and simulation of the gas transport in dense Hyflon AD60X membranes: Influence of residual solvent. *Polymer*, **2007**, 48, 2619-2635 | 3.9 | 102 |
| 722 | Membrane distillation in the textile wastewater treatment.. *Desalination*, **1991**, 83, 209-224 | 10.3 | 101 |
| 721 | Energetic and exergetic analysis of an integrated membrane desalination system. *Desalination*, **1999**, 124, 243-249 | 10.3 | 100 |
| 720 | Microporous PVDF membranes via thermally induced phase separation (TIPS) and stretching methods. *Journal of Membrane Science*, **2016**, 509, 94-104 | 9.6 | 99 |
| 719 | A membrane-based study for the recovery of polyphenols from bergamot juice. *Journal of Membrane Science*, **2011**, 375, 182-190 | 9.6 | 98 |
| 718 | Human hepatocyte functions in a crossed hollow fiber membrane bioreactor. *Biomaterials*, **2009**, 30, 2531-43 | 15.6 | 97 |
| 717 | Modelling and simulation of hydrogen permeation through supported Pd-alloy membranes with a multicomponent approach. *Chemical Engineering Science*, **2008**, 63, 2149-2160 | 4.4 | 97 |
| 716 | Experimental and theoretical evaluation of temperature polarization phenomenon in direct contact membrane distillation. *Chemical Engineering Research and Design*, **2013**, 91, 1966-1977 | 5.5 | 96 |
| 715 | Efficient technologies for worldwide clean water supply. *Chemical Engineering and Processing: Process Intensification*, **2012**, 51, 2-17 | 3.7 | 95 |
| 714 | Preparation of solvent stable polyphenylsulfone hollow fiber nanofiltration membranes. *Journal of Membrane Science*, **2011**, 384, 89-96 | 9.6 | 95 |
| 713 | Influence of the structural properties of poly(vinylidene fluoride) membranes on the heterogeneous nucleation rate of protein crystals. *Journal of Physical Chemistry B*, **2006**, 110, 12438-45 | 3.4 | 95 |
| 712 | Influence of hydrophobization conditions and ceramic membranes pore size on their properties in vacuum membrane distillation of water–organic solvent mixtures. *Journal of Membrane Science*, **2016**, 499, 442-451 | 9.6 | 94 |
| 711 | An innovative configuration of a Pd-based membrane reactor for the production of pure hydrogen: Experimental analysis of water gas shift. *Journal of Power Sources*, **2008**, 182, 160-167 | 8.9 | 94 |
| 710 | Sulfonated PEEK-WC membranes for possible fuel cell applications. *Journal of Membrane Science*, **2004**, 228, 139-148 | 9.6 | 93 |
| 709 | Membrane distillataion in the treatment of aqueous solutions. *Journal of Membrane Science*, **1987**, 33, 277-284 | 9.6 | 93 |
| 708 | Membrane gas separation progresses for process intensification strategy in the petrochemical industry. *Petroleum Chemistry*, **2010**, 50, 271-282 | 1.1 | 91 |
| 707 | Performance of PDMS membranes in pervaporation: effect of silicalite fillers and comparison with SBS membranes. *Journal of Colloid and Interface Science*, **2010**, 346, 254-64 | 9.3 | 91 |

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| 706 | Integrated membrane process for the production of highly nutritional kiwifruit juice. *Desalination*, **2006**, 189, 21-30 | 10.3 | 91 |
| 705 | Novel PVDF hollow fiber membranes for vacuum and direct contact membrane distillation applications. *Separation and Purification Technology*, **2013**, 115, 27-38 | 8.3 | 89 |
| 704 | Methanol and ethanol steam reforming in membrane reactors: An experimental study. *International Journal of Hydrogen Energy*, **2007**, 32, 1201-1210 | 6.7 | 89 |
| 703 | Metal ion separation and concentration with supported liquid membranes. *Journal of Membrane Science*, **1986**, 28, 123-138 | 9.6 | 89 |
| 702 | Pressure-driven membrane operations and membrane distillation technology integration for water purification. *Desalination*, **2008**, 223, 396-409 | 10.3 | 88 |
| 701 | PVDF and HYFLON AD membranes: Ideal interfaces for contactor applications. *Journal of Membrane Science*, **2007**, 300, 51-62 | 9.6 | 87 |
| 700 | Production of concentrated kiwifruit juice by integrated membrane process. *Food Research International*, **2004**, 37, 139-148 | 7 | 87 |
| 699 | Integrated membrane operations in desalination processes. *Desalination*, **1999**, 122, 141-145 | 10.3 | 87 |
| 698 | Novel polyphenylsulfone membrane for potential use in solvent nanofiltration. *Journal of Membrane Science*, **2011**, 379, 60-68 | 9.6 | 86 |
| 697 | Concentration polarization analysis in self-supported Pd-based membranes. *Separation and Purification Technology*, **2009**, 66, 613-624 | 8.3 | 85 |
| 696 | Process intensification strategies and membrane engineering. *Green Chemistry*, **2012**, 14, 1561 | 10 | 84 |
| 695 | Membrane distillation : An experimental study. *Desalination*, **1985**, 53, 339-346 | 10.3 | 82 |
| 694 | Physico-chemical parameters of cactus pear (Opuntia ficus-indica) juice clarified by microfiltration and ultrafiltration processes. *Desalination*, **2010**, 250, 1101-1104 | 10.3 | 81 |
| 693 | Methane Steam Reforming Analysis in a Palladium-Based Catalytic Membrane Reactor. *Industrial & Engineering Chemistry Research*, **1997**, 36, 3369-3374 | 3.9 | 81 |
| 692 | Membrane reactor for water gas shift reaction. *Separation and Purification Technology*, **1996**, 10, 243-254 | | 81 |
| 691 | Highly efficient hydrophobic titania ceramic membranes for water desalination. *ACS Applied Materials & Interfaces*, **2014**, 6, 14223-30 | 9.5 | 80 |
| 690 | Microporous poly(vinylidene fluoride) hollow fiber membranes fabricated with PolarClean as water-soluble green diluent and additives. *Journal of Membrane Science*, **2015**, 479, 204-212 | 9.6 | 80 |
| 689 | Recovery of bioactive compounds in kiwifruit juice by ultrafiltration. *Innovative Food Science and Emerging Technologies*, **2008**, 9, 556-562 | 6.8 | 80 |

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| 688 | New PVDF membranes: The effect of plasma surface modification on retention in nanofiltration of aqueous solution containing organic compounds. *Water Research*, **2007**, 41, 4309-16 | 12.5 | 79 |
| 687 | Bio-mimetic sensors based on molecularly imprinted membranes. *Sensors*, **2014**, 14, 13863-912 | 3.8 | 78 |
| 686 | Recovery of phenolic compounds from orange press liquor by nanofiltration. *Food and Bioproducts Processing*, **2012**, 90, 867-874 | 4.9 | 78 |
| 685 | The effect of mixture gas on hydrogen permeation through a palladium membrane: Experimental study and theoretical approach. *International Journal of Hydrogen Energy*, **2007**, 32, 1837-1845 | 6.7 | 78 |
| 684 | High flux asymmetric gas separation membranes of modified poly(ether ether ketone) prepared by the dry phase inversion technique. *Journal of Membrane Science*, **2005**, 255, 167-180 | 9.6 | 78 |
| 683 | Membrane emulsification technology: Twenty-five years of inventions and research through patent survey. *Journal of Membrane Science*, **2014**, 468, 410-422 | 9.6 | 77 |
| 682 | The effects of thermally stable titanium silicon oxide nanoparticles on structure and performance of cellulose acetate ultrafiltration membranes. *Separation and Purification Technology*, **2014**, 133, 55-68 | 8.3 | 76 |
| 681 | Sulfonation of polyetheretherketone by chlorosulfuric acid. *Journal of Applied Polymer Science*, **1998**, 70, 477-482 | 2.9 | 76 |
| 680 | WGS reaction in a membrane reactor using a porous stainless steel supported silica membrane. *Chemical Engineering and Processing: Process Intensification*, **2007**, 46, 119-126 | 3.7 | 76 |
| 679 | Removal of silver and copper ions from acidic thiourea solutions with a supported liquid membrane containing D2EHPA as carrier. *Separation and Purification Technology*, **2002**, 28, 235-244 | 8.3 | 76 |
| 678 | Influence of the blend composition on the properties and separation performance of novel solvent resistant polyphenylsulfone/polyimide nanofiltration membranes. *Journal of Membrane Science*, **2013**, 447, 107-118 | 9.6 | 74 |
| 677 | Lipase-catalyzed optical resolution of racemic naproxen in biphasic enzyme membrane reactors. *Journal of Membrane Science*, **2001**, 184, 27-38 | 9.6 | 74 |
| 676 | Morphology and transport property control of modified poly(ether ether ketone) (PEEKWC) hollow fiber membranes prepared from PEEKWC/PVP blends: influence of the relative humidity in the air gap. *Journal of Membrane Science*, **2005**, 255, 13-22 | 9.6 | 73 |
| 675 | Membrane Bioreactor (MBR) Technology – Promising Approach for Industrial Water Reuse. *Procedia Engineering*, **2012**, 33, 234-241 | | 72 |
| 674 | Selective Glycine Polymorph Crystallization by Using Microporous Membranes. *Crystal Growth and Design*, **2007**, 7, 526-530 | 3.5 | 72 |
| 673 | Reclamation of sodium sulfate from industrial wastewater by using membrane distillation and membrane crystallization. *Desalination*, **2017**, 401, 112-119 | 10.3 | 71 |
| 672 | PVDF hollow fiber membranes prepared from green diluent via thermally induced phase separation: Effect of PVDF molecular weight. *Journal of Membrane Science*, **2014**, 471, 237-246 | 9.6 | 71 |
| 671 | Sieverts law empirical exponent for Pd-based membranes: critical analysis in pure H2 permeation. *Journal of Physical Chemistry B*, **2010**, 114, 6033-47 | 3.4 | 71 |

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| 670 | Quality improvement of recycled chromium in the tanning operation by membrane processes. *Desalination*, **1997**, 108, 193-203 | 10.3 | 71 |
| 669 | Biotransformation and liver-specific functions of human hepatocytes in culture on RGD-immobilized plasma-processed membranes. *Biomaterials*, **2005**, 26, 4432-41 | 15.6 | 71 |
| 668 | A molecular simulation study on gas diffusion in a dense poly(ether-ether-ketone) membrane. *Polymer*, **2001**, 42, 521-533 | 3.9 | 71 |
| 667 | The advent of graphene and other two-dimensional materials in membrane science and technology. *Current Opinion in Chemical Engineering*, **2017**, 16, 78-85 | 5.4 | 70 |
| 666 | Organic vapour transport in glassy perfluoropolymer membranes: A simple semi-quantitative approach to analyze clustering phenomena by time lag measurements. *Journal of Membrane Science*, **2011**, 367, 141-151 | 9.6 | 70 |
| 665 | Comparative Study of Different Probing Techniques for the Analysis of the Free Volume Distribution in Amorphous Glassy Perfluoropolymers. *Macromolecules*, **2009**, 42, 7589-7604 | 5.5 | 70 |
| 664 | Membrane treatment by nanofiltration of exhausted vegetable tannin liquors from the leather industry. *Water Research*, **2003**, 37, 2426-34 | 12.5 | 70 |
| 663 | Membrane bioreactors and electrochemical processes for treatment of wastewaters containing heavy metal ions, organics, micropollutants and dyes: Recent developments. *Journal of Hazardous Materials*, **2019**, 370, 172-195 | 12.8 | 69 |
| 662 | Molecular imprinted polymeric membrane for naringin recognition. *Journal of Membrane Science*, **2002**, 201, 77-84 | 9.6 | 69 |
| 661 | One step co-sintering process for low-cost fly ash based ceramic microfiltration membrane in oil-in-water emulsion treatment. *Separation and Purification Technology*, **2019**, 210, 511-520 | 8.3 | 68 |
| 660 | Membrane distillation of concentrated brines-Role of water activities in the evaluation of driving force. *Journal of Membrane Science*, **2006**, 280, 937-947 | 9.6 | 68 |
| 659 | A study on catalytic membrane reactors for water gas shift reaction. *Separation and Purification Technology*, **1996**, 10, 53-61 | | 68 |
| 658 | Fixed sites plasticized cellulose triacetate membranes containing crown ethers for silver(I), copper(II) and gold(III) ions transport. *Journal of Membrane Science*, **2004**, 228, 149-157 | 9.6 | 67 |
| 657 | Membrane-based zero liquid discharge: Myth or reality?. *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 80, 192-202 | 5.3 | 66 |
| 656 | Long-term maintenance of human hepatocytes in oxygen-permeable membrane bioreactor. *Biomaterials*, **2006**, 27, 4794-803 | 15.6 | 66 |
| 655 | Transport properties of a co-poly(amide-12-b-ethylene oxide) membrane: A comparative study between experimental and molecular modelling results. *Journal of Membrane Science*, **2008**, 323, 316-327 | 9.6 | 65 |
| 654 | Zeolite-based composite PEEK-WC membranes: Gas transport and surface properties. *Microporous and Mesoporous Materials*, **2008**, 115, 67-74 | 5.3 | 65 |
| 653 | Stability and Effect of Diluents in Supported Liquid Membranes for Cr(III), Cr(VI), and Cd(II) Recovery. *Separation Science and Technology*, **1989**, 24, 1015-1032 | 2.5 | 64 |

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| 652 | Experimental analysis, modeling and optimization of chromium (VI) removal from aqueous solutions by polymer-enhanced ultrafiltration. *Journal of Membrane Science*, **2014**, 456, 139-154 | 9.6 | 63 |
| 651 | Photocatalytic hollow fiber membranes for the degradation of pharmaceutical compounds in wastewater. *Journal of Environmental Chemical Engineering*, **2017**, 5, 5014-5024 | 6.8 | 63 |
| 650 | Purification of lactic acid from microfiltrate fermentation broth by cross-flow nanofiltration. *Biochemical Engineering Journal*, **2012**, 69, 130-137 | 4.2 | 63 |
| 649 | Upgrading of a syngas mixture for pure hydrogen production in a Pd□Ag membrane reactor. *Chemical Engineering Science*, **2009**, 64, 3448-3454 | 4.4 | 63 |
| 648 | Gas permeation properties of phenylene oxide polymers. *Journal of Membrane Science*, **1998**, 138, 99-107 | 9.6 | 63 |
| 647 | Simulation of CO2 hydrogenation with CH3OH removal in a zeolite membrane reactor. *Chemical Engineering Journal*, **2002**, 85, 53-59 | 14.7 | 63 |
| 646 | Recovery and reuse of chemicals in unhairing, degreasing and chromium tanning processes by membranes. *Desalination*, **1997**, 113, 251-261 | 10.3 | 62 |
| 645 | Membrane crystallization of lysozyme: kinetic aspects. *Journal of Crystal Growth*, **2003**, 257, 359-369 | 1.6 | 62 |
| 644 | Study of an enzyme membrane reactor with immobilized fumarase for production of L-malic acid. *Biotechnology and Bioengineering*, **2001**, 72, 77-84 | 4.9 | 62 |
| 643 | Direct contact membrane distillation for the concentration of clarified orange juice. *Journal of Food Engineering*, **2016**, 187, 37-43 | 6 | 62 |
| 642 | Highly hydrophobic ceramic membranes applied to the removal of volatile organic compounds in pervaporation. *Chemical Engineering Journal*, **2015**, 260, 43-54 | 14.7 | 61 |
| 641 | Vacuum membrane distillation for purifying waters containing arsenic. *Desalination*, **2013**, 323, 17-21 | 10.3 | 61 |
| 640 | A novel model equation for the permeation of hydrogen in mixture with carbon monoxide through Pd□Ag membranes. *Separation and Purification Technology*, **2008**, 61, 217-224 | 8.3 | 61 |
| 639 | Pervaporation separation of MeOH/MTBE mixtures with modified PEEK membrane: Effect of operating conditions. *Journal of Membrane Science*, **2011**, 371, 1-9 | 9.6 | 60 |
| 638 | Membrane engineering for process intensification: a perspective. *Journal of Chemical Technology and Biotechnology*, **2007**, 82, 223-227 | 3.5 | 60 |
| 637 | A molecular imprinted membrane for molecular discrimination of tetracycline hydrochloride. *Journal of Membrane Science*, **2005**, 254, 13-19 | 9.6 | 60 |
| 636 | Engineering evaluation of CO2 separation by membrane gas separation systems. *Journal of Membrane Science*, **2014**, 454, 305-315 | 9.6 | 59 |
| 635 | Kinetic study of a biocatalytic membrane reactor containing immobilized □-glucosidase for the hydrolysis of oleuropein. *Journal of Membrane Science*, **2009**, 339, 215-223 | 9.6 | 59 |

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| 634 | New Metrics for Evaluating the Performance of Membrane Operations in the Logic of Process Intensification. *Industrial & Engineering Chemistry Research*, **2007**, 46, 2268-2271 | 3.9 | 59 |
| 633 | Co-current and counter-current modes for methanol steam reforming membrane reactor: Experimental study. *Catalysis Today*, **2006**, 118, 237-245 | 5.3 | 59 |
| 632 | Tailoring nonsolvent-thermally induced phase separation (N-TIPS) effect using triple spinneret to fabricate high performance PVDF hollow fiber membranes. *Journal of Membrane Science*, **2018**, 559, 117-126 | 9.6 | 58 |
| 631 | Effect of the preparation conditions on the formation of asymmetric poly(vinylidene fluoride) hollow fibre membranes with a dense skin. *European Polymer Journal*, **2010**, 46, 1713-1725 | 5.2 | 58 |
| 630 | New breathable and waterproof coatings for textiles: effect of an aliphatic polyurethane on the formation of PEEK-WC porous membranes. *European Polymer Journal*, **2002**, 38, 235-242 | 5.2 | 58 |
| 629 | Effect of energy transport on a palladium-based membrane reactor for methane steam reforming process. *Catalysis Today*, **2001**, 67, 85-99 | 5.3 | 58 |
| 628 | Novel PVDF-HFP flat sheet membranes prepared by triethyl phosphate (TEP) solvent for direct contact membrane distillation. *Chemical Engineering and Processing: Process Intensification*, **2016**, 102, 16-26 | 3.7 | 57 |
| 627 | Wind-Aided Intensified eVaporation (WAIV) and Membrane Crystallizer (MCr) integrated brackish water desalination process: Advantages and drawbacks. *Desalination*, **2011**, 273, 127-135 | 10.3 | 57 |
| 626 | Theoretical and experimental analysis of methane steam reforming in a membrane reactor. *Canadian Journal of Chemical Engineering*, **1999**, 77, 698-706 | 2.3 | 57 |
| 625 | Microporous membranes in membrane distillation. *Pure and Applied Chemistry*, **1986**, 58, 1657-1662 | 2.1 | 57 |
| 624 | ECTFE membrane preparation for recovery of humidified gas streams using membrane condenser. *Reactive and Functional Polymers*, **2014**, 79, 1-7 | 4.6 | 56 |
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