

# Joanna Kujawa

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Inkjet printed polyelectrolyte multilayer membrane using a polyketone support for organic solvent nanofiltration. <i>Journal of Membrane Science</i> , <b>2022</b> , 642, 119943   | 9.6  | 2         |
| 794 | Tunable hydrophobicity and roughness on PVDF surface by grafting to mode I Approach to enhance membrane performance in membrane distillation process. <i>Separation and Purification Technology</i> , <b>2022</b> , 291, 120935      | 8.3  | 0         |
| 793 | Green Chemistry and Molecularly Imprinted Membranes. <i>Membranes</i> , <b>2022</b> , 12, 472  | 3.8  | 0         |
| 792 | High Purity of $\beta$ -Lactalbumin from Binary Protein Mixture by Charged UF Membrane Far from the Isoelectric Point to Limit Fouling. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 9167                               | 2.6  | 0         |
| 791 | Modeling of Nanofiltration Process Using DSPM-DE Model for Purification of Amine Solution. <i>Membranes</i> , <b>2021</b> , 11,  | 3.8  | 5         |
| 790 | How Can the Desert Beetle and Biowaste Inspire Hybrid Separation Materials for Water Desalination?. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 11268-11283  | 9.5  | 4         |
| 789 | Performance of PVDF Based Membranes with 2D Materials for Membrane Assisted-Crystallization Process. <i>Membranes</i> , <b>2021</b> , 11,  | 3.8  | 5         |
| 788 | Molecular activation of fluoropolymer membranes via base piranha treatment to enhance transport and mitigate fouling I new materials for water purification. <i>Journal of Membrane Science</i> , <b>2021</b> , 624, 119105          | 9.6  | 2         |
| 787 | Innovative hydrophobic/hydrophilic perfluoropolyether (PFPE)/polyvinylidene fluoride (PVDF) composite membrane for vacuum membrane distillation. <i>Chinese Journal of Chemical Engineering</i> , <b>2021</b> ,                      | 3.2  | 3         |
| 786 | Nano- and Micro-Porous Chitosan Membranes for Human Epidermal Stratification and Differentiation. <i>Membranes</i> , <b>2021</b> , 11,   | 3.8  | 1         |
| 785 | Membrane technologies for space engineering. <i>Journal of Membrane Science</i> , <b>2021</b> , 626, 119177  | 9.6  | 6         |
| 784 | Fluorinated MOF-808 with various modulators to fabricate high-performance hybrid membranes with enhanced hydrophobicity for organic-organic pervaporation. <i>Separation and Purification Technology</i> , <b>2021</b> , 264, 118315 | 8.3  | 12        |
| 783 | Metals Recovery from Seawater Desalination Brines: Technologies, Opportunities, and Challenges. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 7704-7712  | 8.3  | 11        |
| 782 | A review of membrane crystallization, forward osmosis and membrane capacitive deionization for liquid mining. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 168, 105273   | 11.9 | 21        |
| 781 | Toward the Next Generation of Sustainable Membranes from Green Chemistry Principles. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 50-75   | 8.3  | 40        |
| 780 | PLGA Multiplex Membrane Platform for Disease Modelling and Testing of Therapeutic Compounds. <i>Membranes</i> , <b>2021</b> , 11,  | 3.8  | 1         |
| 779 | Fabrication of Polydimethylsiloxane (PDMS) Dense Layer on Polyetherimide (PEI) Hollow Fiber Support for the Efficient CO <sub>2</sub> /N <sub>2</sub> Separation Membranes. <i>Polymers</i> , <b>2021</b> , 13,                      | 4.5  | 5         |

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|-----|---|------|----|
| 778 | Water and salts recovery from desalination brines: An exergy evaluation. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105884   | 6.8  | 2  |
| 777 | Highly effective enzymes immobilization on ceramics: Requirements for supports and enzymes. <i>Science of the Total Environment</i> , <b>2021</b> , 801, 149647   | 10.2 | 8  |
| 776 | The Effects of PEI Hollow Fiber Substrate Characteristics on PDMS/PEI Hollow Fiber Membranes for CO <sub>2</sub> /N <sub>2</sub> Separation. <i>Membranes</i> , <b>2021</b> , 11,   | 3.8  | 6  |
| 775 | Anti-neuroinflammatory effect of daidzein in human hypothalamic GnRH neurons in an in vitro membrane-based model. <i>BioFactors</i> , <b>2021</b> , 47, 93-111  | 6.1  | 7  |
| 774 | The stability of a graphene oxide (GO) nanofiltration (NF) membrane in an aqueous environment: progress and challenges. <i>Materials Advances</i> , <b>2020</b> , 1, 554-568  | 3.3  | 20 |
| 773 | Graphene stimulates the nucleation and growth rate of NaCl crystals from hypersaline solution via membrane crystallization. <i>Environmental Science: Water Research and Technology</i> , <b>2020</b> , 6, 1723-1736  | 4.2  | 11 |
| 772 | Multi-hydrophilic functional network enables porous membranes excellent anti-fouling performance for highly efficient water remediation. <i>Journal of Membrane Science</i> , <b>2020</b> , 608, 118191   | 9.6  | 26 |
| 771 | Poly( $\epsilon$ -Caprolactone) Hollow Fiber Membranes for the Biofabrication of a Vascularized Human Liver Tissue. <i>Membranes</i> , <b>2020</b> , 10,  | 3.8  | 7  |
| 770 | Biomimetic hybrid membranes with covalently anchored chitosan [Material design, transport and separation. <i>Desalination</i> , <b>2020</b> , 491, 114550   | 10.3 | 13 |
| 769 | Photocatalytic properties of PVDF membranes modified with g-C <sub>3</sub> N <sub>4</sub> in the process of Rhodamines decomposition. <i>Separation and Purification Technology</i> , <b>2020</b> , 250, 117231   | 8.3  | 23 |
| 768 | Novel chemical modification of polyvinyl chloride membrane by free radical graft copolymerization for direct contact membrane distillation (DCMD) application. <i>Journal of Membrane Science</i> , <b>2020</b> , 611, 118266   | 9.6  | 14 |
| 767 | Roughness-enhanced hydrophobic graphene oxide membrane for water desalination via membrane distillation. <i>Journal of Membrane Science</i> , <b>2020</b> , 611, 118364   | 9.6  | 45 |
| 766 | Molecular insights on NaCl crystal formation approaching PVDF membranes functionalized with graphene. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 7817-7827  | 3.6  | 7  |
| 765 | Preparation and Characterization of Polyphenylsulfone (PPSU) Membranes for Biogas Upgrading. <i>Materials</i> , <b>2020</b> , 13,   | 3.5  | 4  |
| 764 | Biologically Active Compounds from Goji (L.) Leaves Aqueous Extracts: Purification and Concentration by Membrane Processes. <i>Biomolecules</i> , <b>2020</b> , 10,   | 5.9  | 6  |
| 763 | Design and Efficient Construction of Bilayer Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> Mesoporous Membranes for Effective Treatment of Suspension Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 4721-4731 <sup>3.9</sup> | 3.9  | 9  |
| 762 | Effect of Green Solvents in the Production of PVDF-Specific Polymorphs. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 5267-5275  | 3.9  | 13 |
| 761 | Transport Membrane Condenser Heat Exchangers to Break the Water-Energy Nexus-A Critical Review. <i>Membranes</i> , <b>2020</b> , 11,  | 3.8  | 4  |

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|-----|---|-----|----|
| 760 | Recovery of water and contaminants from cooling tower plume. <i>Environmental Engineering Research</i> , <b>2020</b> , 25, 222-229  | 3.6 | 6  |
| 759 | Membrane engineering: Latest advancements in gas separation and pre-treatment processes, petrochemical industry and refinery, and future perspectives in emerging applications. <i>Fuel Processing Technology</i> , <b>2020</b> , 206, 106464 | 7.2 | 55 |
| 758 | Mutual influence in permeation of CO <sub>2</sub> -containing mixtures through a SAPO-34 membrane. <i>Journal of Membrane Science</i> , <b>2020</b> , 595, 117534   | 9.6 | 5  |
| 757 | Zirconium dioxide membranes decorated by silanes based-modifiers for membrane distillation □ Material chemistry approach. <i>Journal of Membrane Science</i> , <b>2020</b> , 596, 117597  | 9.6 | 13 |
| 756 | Investigating the potential of membranes formed by the vapor induced phase separation process. <i>Journal of Membrane Science</i> , <b>2020</b> , 597, 117601   | 9.6 | 52 |
| 755 | A multi-layered view of chemical and biochemical engineering. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 155, A133-A145  | 5.5 | 43 |
| 754 | Novel heterogeneous membranes for enhanced separation in organic-organic pervaporation. <i>Journal of Membrane Science</i> , <b>2020</b> , 599, 117814  | 9.6 | 12 |
| 753 | Optimal Membrane-Process Design (OMPD): A software product for optimal design of membrane gas separation processes. <i>Computers and Chemical Engineering</i> , <b>2020</b> , 135, 106724   | 4   | 5  |
| 752 | Experimental and theoretical investigation of a new air gap membrane distillation module with a corrugated feed channel. <i>Journal of Membrane Science</i> , <b>2020</b> , 594, 117461   | 9.6 | 21 |
| 751 | Lithium recovery from artificial brine using energy-efficient membrane distillation and nanofiltration. <i>Journal of Membrane Science</i> , <b>2020</b> , 598, 117683  | 9.6 | 32 |
| 750 | A Systematic Framework for Optimizing a Sweeping Gas Membrane Distillation (SGMD). <i>Membranes</i> , <b>2020</b> , 10,   | 3.8 | 4  |
| 749 | Silica Filled Polyphenylsulfone/Polydimethylsiloxane Composite Membranes for Pervaporation Separation of Biobutanol from ABE Mixtures. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2020</b> , 156, 108099        | 3.7 | 6  |
| 748 | Perspective of Membrane Technology in Pomegranate Juice Processing: A Review. <i>Foods</i> , <b>2020</b> , 9,   | 4.9 | 12 |
| 747 | A few-layer graphene for advanced composite PVDF membranes dedicated to water desalination: a comparative study. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 4728-4739   | 5.1 | 12 |
| 746 | Low-Temperature Direct Contact Membrane Distillation for the Treatment of Aqueous Solutions Containing Urea. <i>Membranes</i> , <b>2020</b> , 10,   | 3.8 | 3  |
| 745 | A New Type of Composite Membrane PVA-NaY/PA-6 for Separation of Industrially Valuable Mixture Ethanol/Ethyl -Butyl Ether by Pervaporation. <i>Materials</i> , <b>2020</b> , 13,   | 3.5 | 3  |
| 744 | Coupling Ultrafiltration-Based Processes to Concentrate Phenolic Compounds from Aqueous Goji Berry Extracts. <i>Molecules</i> , <b>2020</b> , 25,   | 4.8 | 3  |
| 743 | Fabrication of PDMS based membranes with improved separation efficiency in hydrophobic pervaporation. <i>Separation and Purification Technology</i> , <b>2020</b> , 234, 116092   | 8.3 | 16 |

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|-----|--|------|-----|
| 742 | On the use of ultrasonic dental scaler tips as cleaning technique of microfiltration ceramic membranes. <i>Ultrasonics</i> , <b>2020</b> , 101, 106035   | 3.5  | 4   |
| 741 | CO2 Separation via a DDR Membrane: Mutual Influence of Mixed Gas Permeation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 7054-7060  | 3.9  | 6   |
| 740 | Facile co-sintering process to fabricate sustainable antifouling silver nanoparticles (AgNPs)-enhanced tight ceramic ultrafiltration membranes for protein separation. <i>Journal of Membrane Science</i> , <b>2020</b> , 593, 117402  | 9.6  | 28  |
| 739 | Improving efficiency of PVDF membranes for recovering water from humidified gas streams through membrane condenser. <i>Chemical Engineering Science</i> , <b>2019</b> , 210, 115234  | 4.4  | 14  |
| 738 | Process Intensification via Continuous and Simultaneous Isolation of Antioxidants: An Upcycling Approach for Olive Leaf Waste. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 18444-18452   | 8.3  | 38  |
| 737 | A comparative analysis of flat sheet and capillary membranes for membrane distillation applications. <i>Desalination</i> , <b>2019</b> , 456, 1-12   | 10.3 | 14  |
| 736 | Water vapor permeation and its influence on gases through a zeolite-4A membrane. <i>Journal of Membrane Science</i> , <b>2019</b> , 574, 154-163   | 9.6  | 3   |
| 735 | ECTFE membrane fabrication via TIPS method using ATBC diluent for vacuum membrane distillation. <i>Desalination</i> , <b>2019</b> , 456, 13-22   | 10.3 | 39  |
| 734 | Adsorption-assisted transport of water vapour in super-hydrophobic membranes filled with multilayer graphene platelets. <i>Nanoscale</i> , <b>2019</b> , 11, 11521-11529   | 7.7  | 29  |
| 733 | Using the Green Solvent Dimethyl Sulfoxide To Replace Traditional Solvents Partly and Fabricating PVC/PVC-g-PEGMA Blended Ultrafiltration Membranes with High Permeability and Rejection. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 6413-6423 | 3.9  | 41  |
| 732 | From nanoscale modification to separation - The role of substrate and modifiers in the transport properties of ceramic membranes in membrane distillation. <i>Journal of Membrane Science</i> , <b>2019</b> , 580, 296-306   | 9.6  | 15  |
| 731 | Mutual influence of mixed-gas permeation in thermally rearranged poly(benzoxazole-co-imide) polymer membranes. <i>Journal of Membrane Science</i> , <b>2019</b> , 580, 202-213   | 9.6  | 17  |
| 730 | Ceramic nanofiltration and membrane distillation hybrid membrane processes for the purification and recycling of boric acid from simulative radioactive waste water. <i>Journal of Membrane Science</i> , <b>2019</b> , 579, 294-301   | 9.6  | 26  |
| 729 | A review of polymeric nanocomposite membranes for water purification. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 73, 19-46   | 6.3  | 151 |
| 728 | Membrane bioreactors and electrochemical processes for treatment of wastewaters containing heavy metal ions, organics, micropollutants and dyes: Recent developments. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 370, 172-195                                       | 12.8 | 69  |
| 727 | Seawater desalination using PVDF-HFP membrane in DCMMD process: assessment of operating condition by response surface method. <i>Chemical Engineering Communications</i> , <b>2019</b> , 206, 237-246  | 2.2  | 11  |
| 726 | Mixed matrix membranes (MMMs) for ethanol purification through pervaporation: current state of the art. <i>Reviews in Chemical Engineering</i> , <b>2019</b> , 35, 565-590   | 5    | 42  |
| 725 | One step co-sintering process for low-cost fly ash based ceramic microfiltration membrane in oil-in-water emulsion treatment. <i>Separation and Purification Technology</i> , <b>2019</b> , 210, 511-520   | 8.3  | 68  |

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| 724 | Integrated membrane distillation-reverse electro dialysis system for energy-efficient seawater desalination. <i>Applied Energy</i> , <b>2019</b> , 253, 113551  | 10.7 | 45  |
| 723 | 110th Anniversary: Selective Recognition of 5-Fluorouracil with Molecular Imprinting Membranes: Molecular Details. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 15497-15505   | 3.9  | 2   |
| 722 | Chromium(VI) Removal by Polyvinyl Chloride (PVC)/Aliquat-336 Polymeric Inclusion Membranes in a Multiframe Flat Sheet Membrane Module. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 2994  | 2.6  | 1   |
| 721 | A Membrane-Based Process for the Recovery of Glycyrrhizin and Phenolic Compounds from Licorice Wastewaters. <i>Molecules</i> , <b>2019</b> , 24,  | 4.8  | 7   |
| 720 | A novel thermal spraying technique to fabricate fly ash/alumina composite membranes for oily emulsion and spent tin wastewater treatment. <i>Separation and Purification Technology</i> , <b>2019</b> , 219, 127-136                                | 8.3  | 22  |
| 719 | Experimental Evaluation of the Thermal Polarization in Direct Contact Membrane Distillation Using Electrospun Nanofiber Membranes Doped With Molecular Probes. <i>Molecules</i> , <b>2019</b> , 24,   | 4.8  | 14  |
| 718 | A novel green solvent alternative for polymeric membrane preparation via nonsolvent-induced phase separation (NIPS). <i>Journal of Membrane Science</i> , <b>2019</b> , 574, 44-54  | 9.6  | 121 |
| 717 | Flux-enhanced alumina tight ultrafiltration membranes for effective treatment of dye/salt wastewater at high temperatures. <i>Separation and Purification Technology</i> , <b>2019</b> , 215, 143-154   | 8.3  | 37  |
| 716 | Membrane contactors for measuring the alcohol content of wines: A preliminary investigation. <i>Separation and Purification Technology</i> , <b>2019</b> , 215, 384-389   | 8.3  | 1   |
| 715 | Improved antifouling properties of polyethersulfone membranes modified with amylose entrapped in Tetronic micelles. <i>Journal of Membrane Science</i> , <b>2019</b> , 570-571, 436-444   | 9.6  | 16  |
| 714 | Vacuum membrane distillation for the treatment of coffee products. <i>Separation and Purification Technology</i> , <b>2019</b> , 209, 990-996   | 8.3  | 11  |
| 713 | Enhanced fouling and wetting resistance of composite Hyflon AD/poly(vinylidene fluoride) membrane in vacuum membrane distillation. <i>Separation and Purification Technology</i> , <b>2019</b> , 211, 135-140                                       | 8.3  | 20  |
| 712 | Continuous production of bioethanol from sugarcane bagasse and downstream purification using membrane integrated bioreactor. <i>Catalysis Today</i> , <b>2019</b> , 331, 68-77  | 5.3  | 21  |
| 711 | Perspectives on mining from sea and other alternative strategies for minerals and water recovery □ The development of novel membrane operations. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 94, 129-134           | 5.3  | 17  |
| 710 | Implementation of osmotic membrane distillation with various hydrophobic porous membranes for concentration of sugars solutions and preservation of the quality of cactus pear juice. <i>Journal of Food Engineering</i> , <b>2018</b> , 230, 28-38 | 6    | 22  |
| 709 | Enhancing membrane performance in removal of hazardous VOCs from water by modified fluorinated PVDF porous material. <i>Journal of Membrane Science</i> , <b>2018</b> , 556, 214-226  | 9.6  | 20  |
| 708 | Performance of ceramic membrane in vacuum membrane distillation and in vacuum membrane crystallization. <i>Desalination</i> , <b>2018</b> , 440, 48-58  | 10.3 | 40  |
| 707 | Evaluation of integrated microfiltration and membrane distillation/crystallization processes for produced water treatment. <i>Desalination</i> , <b>2018</b> , 434, 161-168   | 10.3 | 48  |

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| 706 | Testing of three different PVDF membranes in membrane assisted-crystallization process: Influence of membrane structural-properties on process performance. <i>Desalination</i> , <b>2018</b> , 440, 68-77                | 10.3 | 21  |
| 705 | Tailoring nonsolvent-thermally induced phase separation (N-TIPS) effect using triple spinneret to fabricate high performance PVDF hollow fiber membranes. <i>Journal of Membrane Science</i> , <b>2018</b> , 559, 117-126 | 9.6  | 58  |
| 704 | Matrimid <sup>®</sup> 5218 dense membrane for the separation of azeotropic MeOH-MTBE mixtures by pervaporation. <i>Separation and Purification Technology</i> , <b>2018</b> , 199, 27-36                                  | 8.3  | 53  |
| 703 | Membrane reactors for low temperature applications: An overview. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2018</b> , 124, 282-307   | 3.7  | 36  |
| 702 | Membrane technology in renewable-energy-driven desalination. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 81, 1-21   | 16.2 | 187 |
| 701 | Membrane-based agro-food production processes for polyphenol separation, purification and concentration. <i>Current Opinion in Food Science</i> , <b>2018</b> , 23, 149-164   | 9.8  | 50  |
| 700 | Development of novel hybrid imprinted membranes for selective recovery of theophylline. <i>Separation and Purification Technology</i> , <b>2018</b> , 192, 513-519  | 8.3  | 10  |
| 699 | Multiwalled carbon nanotube membranes for water purification. <i>Separation and Purification Technology</i> , <b>2018</b> , 193, 378-385  | 8.3  | 37  |
| 698 | Fabrication of blend polyvinylidene fluoride/chitosan membranes for enhanced flux and fouling resistance. <i>Separation and Purification Technology</i> , <b>2018</b> , 190, 68-76  | 8.3  | 38  |
| 697 | Gas permeable membrane bioreactor for the co-culture of human skin derived mesenchymal stem cells with hepatocytes and endothelial cells. <i>Journal of Membrane Science</i> , <b>2018</b> , 563, 694-707                 | 9.6  | 13  |
| 696 | CO <sub>2</sub> /H <sub>2</sub> Selectivity Prediction of NaY, DD3R, and Silicalite Zeolite Membranes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 11431-11438                             | 3.9  | 9   |
| 695 | Membrane bioreactor to guide hepatic differentiation of human mesenchymal stem cells. <i>Journal of Membrane Science</i> , <b>2018</b> , 564, 832-841   | 9.6  | 5   |
| 694 | Assessment of Blend PVDF Membranes, and the Effect of Polymer Concentration and Blend Composition. <i>Membranes</i> , <b>2018</b> , 8,  | 3.8  | 21  |
| 693 | Bi <sub>2</sub> Se <sub>3</sub> -assisted membrane crystallization. <i>Materials Horizons</i> , <b>2018</b> , 5, 912-919  | 14.4 | 26  |
| 692 | Membrane-Assisted Condenser. <i>Clean Technologies</i> , <b>2018</b> , 1, 2-8   | 3.4  | 0   |
| 691 | Performance of Reverse Osmosis Membranes in the Treatment of Flue-Gas Desulfurization (FGD) Wastewaters. <i>Environments - MDPI</i> , <b>2018</b> , 5, 71   | 3.2  | 7   |
| 690 | Advanced Material-Ordered Nanotubular Ceramic Membranes Covalently Capped with Single-Wall Carbon Nanotubes. <i>Materials</i> , <b>2018</b> , 11,   | 3.5  | 5   |
| 689 | Progress of Nanocomposite Membranes for Water Treatment. <i>Membranes</i> , <b>2018</b> , 8,  | 3.8  | 116 |

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|-----|--|------|-----|
| 688 | Discrimination among gas translation, surface and Knudsen diffusion in permeation through zeolite membranes. <i>Journal of Membrane Science</i> , <b>2018</b> , 564, 166-173   | 9.6  | 20  |
| 687 | Pervaporative efficiency of organic solvents separation employing hydrophilic and hydrophobic commercial polymeric membranes. <i>Journal of Membrane Science</i> , <b>2018</b> , 564, 444-455  | 9.6  | 8   |
| 686 | Tubular hydrophobic ceramic membrane with asymmetric structure for water desalination via vacuum membrane distillation process. <i>Desalination</i> , <b>2018</b> , 443, 212-220   | 10.3 | 47  |
| 685 | Insight into fouling behavior of poly(vinylidene fluoride) (PVDF) hollow fiber membranes caused by dextran with different pore size distributions. <i>Chinese Journal of Chemical Engineering</i> , <b>2018</b> , 26, 268-277 <sup>2</sup>                               | 7.2  | 31  |
| 684 | Progress and perspectives in PTFE membrane: Preparation, modification, and applications. <i>Journal of Membrane Science</i> , <b>2018</b> , 549, 332-349   | 9.6  | 135 |
| 683 | Lithium dedicated adsorbent for the preparation of electrodes useful in the ion pumping method. <i>Separation and Purification Technology</i> , <b>2018</b> , 194, 231-238   | 8.3  | 22  |
| 682 | Optimization of novel composite membranes for water and mineral recovery by vacuum membrane distillation. <i>Desalination</i> , <b>2018</b> , 440, 39-47   | 10.3 | 24  |
| 681 | Enhanced, hydrophobic, fluorine-containing, thermally rearranged (TR) nanofiber membranes for desalination via membrane distillation. <i>Journal of Membrane Science</i> , <b>2018</b> , 550, 545-553  | 9.6  | 38  |
| 680 | Designing and optimization of continuous direct contact membrane distillation process. <i>Desalination</i> , <b>2018</b> , 426, 97-107   | 10.3 | 39  |
| 679 | Membrane-Assisted Crystallization: A Molecular View of NaCl Nucleation and Growth. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 2145   | 2.6  | 5   |
| 678 | Treatment of Flue Gas Desulfurization Wastewater by an Integrated Membrane-Based Process for Approaching Zero Liquid Discharge. <i>Membranes</i> , <b>2018</b> , 8,  | 3.8  | 20  |
| 677 | Photocatalytic Membranes in Photocatalytic Membrane Reactors. <i>Processes</i> , <b>2018</b> , 6, 162  | 2.9  | 55  |
| 676 | Novel Photocatalytic PVDF/Nano-TiO <sub>2</sub> Hollow Fibers for Environmental Remediation. <i>Polymers</i> , <b>2018</b> , 10,   | 4.5  | 24  |
| 675 | Extraction Kinetics of As(V) by Aliquat-336 Using Asymmetric PVDF Hollow-Fiber Membrane Contactors. <i>Membranes</i> , <b>2018</b> , 8,  | 3.8  | 5   |
| 674 | Reclamation of sodium sulfate from industrial wastewater by using membrane distillation and membrane crystallization. <i>Desalination</i> , <b>2017</b> , 401, 112-119   | 10.3 | 71  |
| 673 | Self-assembly of tissue spheroids on polymeric membranes. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2017</b> , 11, 2090-2103   | 4.4  | 5   |
| 672 | Sorption and Diffusion of CO <sub>2</sub> /N <sub>2</sub> in gas mixture in thermally-rearranged polymeric membranes: A molecular investigation. <i>Journal of Membrane Science</i> , <b>2017</b> , 528, 135-146   | 9.6  | 36  |
| 671 | Molecular Grafting of Fluorinated and Nonfluorinated Alkylsiloxanes on Various Ceramic Membrane Surfaces for the Removal of Volatile Organic Compounds Applying Vacuum Membrane Distillation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 6571-6590 | 9.5  | 48  |



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| 670 | Membrane condenser configurations for water recovery from waste gases. <i>Separation and Purification Technology</i> , <b>2017</b> , 181, 60-68  | 8.3  | 28 |
| 669 | Light gases saturation loading dependence on temperature in LTA 4A zeolite. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 249, 67-77   | 5.3  | 5  |
| 668 | Enhancing wetting resistance of poly(vinylidene fluoride) membranes for vacuum membrane distillation. <i>Desalination</i> , <b>2017</b> , 415, 58-66   | 10.3 | 49 |
| 667 | The advent of graphene and other two-dimensional materials in membrane science and technology. <i>Current Opinion in Chemical Engineering</i> , <b>2017</b> , 16, 78-85                          | 5.4  | 70 |
| 666 | Evaluation the potential and energy efficiency of dual stage pressure retarded osmosis process. <i>Applied Energy</i> , <b>2017</b> , 199, 359-369   | 10.7 | 22 |
| 665 | A non-invasive optical method for mapping temperature polarization in direct contact membrane distillation. <i>Journal of Membrane Science</i> , <b>2017</b> , 536, 156-166                      | 9.6  | 25 |
| 664 | An ultrathin suspended hydrophobic porous membrane for high-efficiency water desalination. <i>Applied Materials Today</i> , <b>2017</b> , 9, 1-9   | 6.6  | 24 |
| 663 | Effect of solution concentration and composition on the electrochemical properties of ion exchange membranes for energy conversion. <i>Journal of Power Sources</i> , <b>2017</b> , 340, 282-293 | 8.9  | 41 |
| 662 | Assessment of air-gap membrane distillation with hydrophobic porous membranes utilized for damaged paintings humidification. <i>Journal of Membrane Science</i> , <b>2017</b> , 538, 1-8         | 9.6  | 22 |
| 661 | Microtube array membrane bioreactor promotes neuronal differentiation and orientation. <i>Biofabrication</i> , <b>2017</b> , 9, 025018   | 10.5 | 16 |
| 660 | Thermally rearranged mixed matrix membranes for CO <sub>2</sub> separation: An aging study. <i>International Journal of Greenhouse Gas Control</i> , <b>2017</b> , 61, 16-26                     | 4.2  | 37 |
| 659 | Exploring and Exploiting the Effect of Solvent Treatment in Membrane Separations. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 11279-11289                                   | 9.5  | 51 |
| 658 | Sorption of organic liquids in poly(ethylene chlorotrifluoroethylene) Halar <sup>®</sup> 901: Experimental and theoretical analysis. <i>Polymer Testing</i> , <b>2017</b> , 58, 199-207          | 4.5  | 2  |
| 657 | Functional groups docking on PVDF membranes: Novel Piranha approach. <i>European Polymer Journal</i> , <b>2017</b> , 96, 414-428   | 5.2  | 18 |
| 656 | Photocatalytic hollow fiber membranes for the degradation of pharmaceutical compounds in wastewater. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 5014-5024           | 6.8  | 63 |
| 655 | Neuronal Differentiation Modulated by Polymeric Membrane Properties. <i>Cells Tissues Organs</i> , <b>2017</b> , 204, 164-178  | 2.1  | 4  |
| 654 | Membrane Engineering for Green Process Engineering. <i>Engineering</i> , <b>2017</b> , 3, 290-298  | 9.7  | 50 |
| 653 | Tunable separation via chemical functionalization of polyvinylidene fluoride membranes using piranha reagent. <i>Journal of Membrane Science</i> , <b>2017</b> , 541, 567-579                    | 9.6  | 11 |

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| 652 | Effect of polyphenols-membrane interactions on the performance of membrane-based processes. A review. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 351, 45-75                                | 23.2 | 38  |
| 651 | Membrane-based zero liquid discharge: Myth or reality?. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 80, 192-202  | 5.3  | 66  |
| 650 | Effect of functional groups on the properties of multiwalled carbon nanotubes/polyvinylidene fluoride composite membranes. <i>Journal of Membrane Science</i> , <b>2017</b> , 541, 198-204            | 9.6  | 27  |
| 649 | Dermal-epidermal membrane systems by using human keratinocytes and mesenchymal stem cells isolated from dermis. <i>Materials Science and Engineering C</i> , <b>2017</b> , 71, 943-953                | 8.3  | 6   |
| 648 | Dewatering of 2,2,3,3-tetrafluoropropan-1-ol by hydrophilic pervaporation with poly(vinyl alcohol) based Pervap membranes. <i>Separation and Purification Technology</i> , <b>2017</b> , 174, 520-528 | 8.3  | 21  |
| 647 | Knudsen and surface diffusion competing for gas permeation inside silicalite membranes. <i>Journal of Membrane Science</i> , <b>2017</b> , 523, 456-469   | 9.6  | 37  |
| 646 | Open-source predictive simulators for scale-up of direct contact membrane distillation modules for seawater desalination. <i>Desalination</i> , <b>2017</b> , 402, 72-87                              | 10.3 | 28  |
| 645 | Tailoring PES membrane morphology and properties via selected preparation parameters. <i>Journal of Polymer Engineering</i> , <b>2017</b> , 37, 69-81   | 1.4  | 12  |
| 644 | Separation and purification of phenolic compounds from pomegranate juice by ultrafiltration and nanofiltration membranes. <i>Journal of Food Engineering</i> , <b>2017</b> , 195, 1-13                | 6    | 114 |
| 643 | Membrane Operations for Process Intensification in Desalination. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 100   | 2.6  | 24  |
| 642 | Hydrophobic Ceramic Membranes for Water Desalination. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 402  | 2.6  | 37  |
| 641 | Membrane Engineering for Sustainable Development: A Perspective. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 1026  | 2.6  | 8   |
| 640 | Preparation and Characterization of Polymeric-Hybrid PES/TiO <sub>2</sub> Hollow Fiber Membranes for Potential Applications in Water Treatment. <i>Fibers</i> , <b>2017</b> , 5, 14                   | 3.7  | 21  |
| 639 | Biohybrid Membrane Systems for Testing Molecules and Stem Cell Therapy in Neuronal Tissue Engineering. <i>Current Pharmaceutical Design</i> , <b>2017</b> , 23, 3858-3870                             | 3.3  | 2   |
| 638 | Membrane operations for produced water treatment. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 14317-14335   | 5.0  | 50  |
| 637 | Membrane crystallization for salts recovery from brine—experimental and theoretical analysis. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 7593-7603                                   |      | 49  |
| 636 | Immobilized biocatalytic process development and potential application in membrane separation: a review. <i>Critical Reviews in Biotechnology</i> , <b>2016</b> , 36, 43-58                           | 9.4  | 51  |
| 635 | Water desalination using graphene-enhanced electrospun nanofiber membrane via air gap membrane distillation. <i>Journal of Membrane Science</i> , <b>2016</b> , 520, 99-110                           | 9.6  | 144 |

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| 634 | Enhanced starch hydrolysis using $\alpha$ -amylase immobilized on cellulose ultrafiltration affinity membrane. <i>Carbohydrate Polymers</i> , <b>2016</b> , 152, 710-717  | 10.3 | 27  |
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| 632 | ECTFE membranes produced by non-toxic diluents for organic solvent filtration separation. <i>RSC Advances</i> , <b>2016</b> , 6, 81001-81012  | 3.7  | 18  |
| 631 | Optimization of module length for continuous direct contact membrane distillation process. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2016</b> , 110, 188-200   | 3.7  | 35  |
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| 629 | Organic/organic mixture separation by using novel ECTFE polymeric pervaporation membranes. <i>Polymer</i> , <b>2016</b> , 98, 110-117   | 3.9  | 26  |
| 628 | Thermally rearranged polymer membranes for desalination. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 878-884   | 35.4 | 45  |
| 627 | Concentration polarization distribution along Pd-based membrane reactors: A modelling approach applied to Water-Gas Shift. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 2660-2670                                  | 6.7  | 22  |
| 626 | Novel low-fouling membrane bioreactor (MBR) for industrial wastewater treatment. <i>Journal of Membrane Science</i> , <b>2016</b> , 510, 524-532  | 9.6  | 49  |
| 625 | Relationships between Structure and Electrical Sensing of Breathable Membranes. <i>Materials Today: Proceedings</i> , <b>2016</b> , 3, 308-312  | 1.4  | 4   |
| 624 | Novel PVDF-HFP flat sheet membranes prepared by triethyl phosphate (TEP) solvent for direct contact membrane distillation. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2016</b> , 102, 16-26                 | 3.7  | 57  |
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| 622 | A density functional theory study of hydrogen occupation in VN $\square$ Ti alloys used for dense metal membranes. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 665, 225-230  | 5.7  | 1   |
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| 619 | Hybrid imprinted membranes for selective recognition of quercetin. <i>Separation and Purification Technology</i> , <b>2016</b> , 163, 331-340   | 8.3  | 20  |
| 618 | Influence of hydrophobization conditions and ceramic membranes pore size on their properties in vacuum membrane distillation of water $\square$ organic solvent mixtures. <i>Journal of Membrane Science</i> , <b>2016</b> , 499, 442-451 | 9.6  | 94  |
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| 616 | Synthesis and Characterization of Silver Nanoparticles-Filled Polyethersulfone Membranes for Antibacterial and Anti-Biofouling Application. <i>Recent Patents on Nanotechnology</i> , <b>2016</b> , 10, 231-251                          | 1.2  | 24  |
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| 612 | An Integrated Membrane Process for Butenes Production. <i>Processes</i> , <b>2016</b> , 4, 42  | 2.9  | 3   |
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| 606 | Thermally induced phase separation and electrospinning methods for emerging membrane applications: A review. <i>AIChE Journal</i> , <b>2016</b> , 62, 461-490  | 3.6  | 191 |
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| 600 | Mixed matrix membranes containing functionalized multiwalled carbon nanotubes: Mesoscale simulation and experimental approach for optimizing dispersion. <i>Journal of Membrane Science</i> , <b>2016</b> , 514, 195-209                 | 9.6  | 55  |
| 599 | CO <sub>2</sub> /CH <sub>4</sub> separation by means of Matrimid hollow fibre membranes. <i>Applied Petrochemical Research</i> , <b>2016</b> , 6, 439-450  | 1.9  | 16  |

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| 596 | Scale-up of MFI zeolite membranes for desalination by vacuum membrane distillation. <i>Desalination</i> , <b>2016</b> , 397, 205-212  | 10.3 | 33  |
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| 589 | Effect of citrate-based non-toxic solvents on poly(vinylidene fluoride) membrane preparation via thermally induced phase separation. <i>Journal of Membrane Science</i> , <b>2015</b> , 493, 232-242                | 9.6  | 47  |
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| 585 | Membrane technology for water production in agriculture: Desalination and wastewater reuse. <i>Desalination</i> , <b>2015</b> , 364, 17-32  | 10.3 | 141 |
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| 578 | Membrane distillation: Recent developments and perspectives. <i>Desalination</i> , <b>2015</b> , 356, 56-84  | 10.3 | 626 |
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| 574 | Evaluation of pure-component adsorption properties of silicalite based on the Langmuir and Sips models. <i>AIChE Journal</i> , <b>2015</b> , 61, 3911-3922   | 3.6  | 12  |
| 573 | Application of Membrane Crystallization for Minerals' Recovery from Produced Water. <i>Membranes</i> , <b>2015</b> , 5, 772-92   | 3.8  | 53  |
| 572 | Treatment of Olive Mill Wastewater by Forward Osmosis. <i>Separation and Purification Technology</i> , <b>2015</b> , 147, 292-302  | 8.3  | 38  |
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| 568 | Effect of module design and flow patterns on performance of membrane distillation process. <i>Chemical Engineering Journal</i> , <b>2015</b> , 277, 368-377  | 14.7 | 34  |
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| 566 | Process Intensification for greenhouse gas separation from biogas: More efficient process schemes based on membrane-integrated systems. <i>International Journal of Greenhouse Gas Control</i> , <b>2015</b> , 35, 18-24 | 4.2  | 38  |
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| 563 | Membrane engineering for environmental protection and sustainable industrial growth: Options for water and gas treatment. <i>Environmental Engineering Research</i> , <b>2015</b> , 20, 307-328                          | 3.6  | 28  |

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| 561 | Tailored Hydrogel Membranes for Efficient Protein Crystallization. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 1582-1590   | 15.6 | 42  |
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| 558 | Kinetic of lactic acid production from sugarcane juice using <i>Lactobacillus plantarum</i> NCIM 2912. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2014</b> , 9, 374-381   | 1.3  | 6   |
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| 556 | Waste Gaseous Streams: From Environmental Issue to Source of Water by Using Membrane Condensers. <i>Clean - Soil, Air, Water</i> , <b>2014</b> , 42, 1145-1153  | 1.6  | 33  |
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| 553 | Regulating Nucleation Kinetics through Molecular Interactions at the Polymer/Solute Interface. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 678-686   | 3.5  | 40  |
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| 547 | Polymeric and mixed matrix polyimide membranes. <i>Separation and Purification Technology</i> , <b>2014</b> , 132, 684-696  | 8.3  | 41  |
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| 545 | Vacuum Membrane Dryer (VMDr) for the recovery of solid microparticles from aqueous solutions. <i>Journal of Membrane Science</i> , <b>2014</b> , 472, 67-76   | 9.6  | 14  |

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| 543 | An alternative encapsulation approach for production of active chitosan-propolis beads. <i>International Journal of Food Science and Technology</i> , <b>2014</b> , 49, 1401-1407   | 3.8  | 22 |
| 542 | Coupled influence of non-ideal diffusion and multilayer asymmetric porous supports on Sieverts law pressure exponent for hydrogen permeation in composite Pd-based membranes. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 2201-2214 | 6.7  | 29 |
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| 538 | Membrane emulsification technology: Twenty-five years of inventions and research through patent survey. <i>Journal of Membrane Science</i> , <b>2014</b> , 468, 410-422   | 9.6  | 77 |
| 537 | Poly(ether sulfone) (PES) hollow-fiber membranes prepared from various spinning parameters. <i>Desalination</i> , <b>2014</b> , 345, 21-35  | 10.3 | 35 |
| 536 | Hollow fibers for seawater desalination from blends of PVDF with different molecular weights: Morphology, properties and VMD performance. <i>Polymer</i> , <b>2014</b> , 55, 1296-1306  | 3.9  | 51 |
| 535 | Polyimide hollow fiber membranes for CO <sub>2</sub> separation from wet gas mixtures. <i>Brazilian Journal of Chemical Engineering</i> , <b>2014</b> , 31, 1023-1034   | 1.7  | 30 |
| 534 | Mixed matrix membranes as potential transdermal devices for gemfibrozil release. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 132, n/a-n/a   | 2.9  | 1  |
| 533 | Bio-mimetic sensors based on molecularly imprinted membranes. <i>Sensors</i> , <b>2014</b> , 14, 13863-912  | 3.8  | 78 |
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| 530 | Water recovery from humidified waste gas streams: Quality control using membrane condenser technology. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2014</b> , 86, 196-203  | 3.7  | 33 |
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| 527 | Probing membrane and interface properties in concentrated electrolyte solutions. <i>Journal of Membrane Science</i> , <b>2014</b> , 459, 177-189  | 9.6  | 55 |



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| 525 | Effect of selected spinning parameters on PVDF hollow fiber morphology for potential application in desalination by VMD. <i>Desalination</i> , <b>2014</b> , 344, 28-35  | 10.3 | 28  |
| 524 | Pulsed back-and-forward cross-flow batch membrane emulsification with high productivity to obtain highly uniform and concentrate emulsions. <i>Journal of Membrane Science</i> , <b>2014</b> , 453, 119-125  | 9.6  | 28  |
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| 522 | Development of mixed matrix membranes for controlled release of ibuprofen. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 128, 754-760  | 2.9  | 16  |
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| 511 | Fractionation of olive mill wastewaters by membrane separation techniques. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 248-249, 185-93   | 12.8 | 148 |
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| 4 <sup>12</sup> | H <sub>2</sub> Separation From H <sub>2</sub> /N <sub>2</sub> and H <sub>2</sub> /CO Mixtures with Co-Polyimide Hollow Fiber Module. <i>Separation Science and Technology</i> , <b>2010</b> , 46, 1-13           | 2.5  | 28  |
| 4 <sup>11</sup> | A translational approach to micro-inflammation in end-stage renal disease: molecular effects of low levels of interleukin-6. <i>Clinical Science</i> , <b>2010</b> , 119, 163-74                                 | 6.5  | 15  |
| 4 <sup>10</sup> | Inhibition by CO and polarization in Pd-based membranes: a novel permeation reduction coefficient. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 12264-76  | 3.4  | 34  |
| 4 <sup>09</sup> | Sieverts law empirical exponent for Pd-based membranes: critical analysis in pure H <sub>2</sub> permeation. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 6033-47                                 | 3.4  | 71  |
| 4 <sup>08</sup> | Direct Oxidation of Cyclohexene with Inert Polymeric Membrane Reactor. <i>Organic Process Research and Development</i> , <b>2010</b> , 14, 252-258   | 3.9  | 17  |
| 4 <sup>07</sup> | Energetics of protein nucleation on rough polymeric surfaces. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 13650-5  | 3.4  | 23  |
| 4 <sup>06</sup> | Ferrous Ion Effects on the Stability and Properties of Oil-in-Water Emulsions Formulated by Membrane Emulsification. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 3818-3829        | 3.9  | 9   |
| 4 <sup>05</sup> | High-definition polymeric membranes: construction of 3D lithographed channel arrays through control of natural building blocks dynamics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 459-66 | 9.5  | 24  |
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| 4 <sup>02</sup> | Recovery and concentration of polyphenols from olive mill wastewaters by integrated membrane system. <i>Water Research</i> , <b>2010</b> , 44, 3883-92   | 12.5 | 218 |
| 4 <sup>01</sup> | Hydrophobic membranes for salts recovery from desalination plants. <i>Desalination and Water Treatment</i> , <b>2010</b> , 18, 224-234   |      | 39  |

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| 397 | Molecularly Imprinted Membranes with Affinity Properties for Folic Acid. <i>Separation Science and Technology</i> , <b>2010</b> , 45, 2273-2279   | 2.5  | 14  |
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| 10 | Relaxation controlled (case II) transport of lower alcohols in poly(methyl methacrylate). <i>Polymer</i> , <b>1976</b> , 17, 195-198   | 3.9  | 47  |
| 9  | Activity of acid phosphate as a gel layer on an ultrafiltration cellulose acetate membrane. <i>Biotechnology and Bioengineering</i> , <b>1975</b> , 17, 1365-1367                                  | 4.9  | 19  |
| 8  | Protein ultrafiltration: an experimental study. <i>Journal of Applied Polymer Science</i> , <b>1975</b> , 19, 1639-1647  | 2.9  | 22  |
| 7  | Determination of formation and relaxation of crazes by permeability measurements. <i>Journal of Applied Polymer Science</i> , <b>1975</b> , 19, 1999-2003  | 2.9  | 3   |
| 6  | Flow regimes in an unstirred discontinuous hyperfiltration process: comparison between theoretical and experimental results. <i>Desalination</i> , <b>1975</b> , 16, 287-301                       | 10.3 | 7   |
| 5  | Dynamically formed membranes prepared from aluminum ion. <i>Journal of Colloid and Interface Science</i> , <b>1975</b> , 51, 355-359   | 9.3  | 6   |

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| 4 | Rejection coefficient variation in reverse osmosis process: theory and experiments. <i>Chemical Engineering Science</i> , <b>1974</b> , 29, 2197-2204  | 4.4 | 8  |
| 3 | Mechanically induced permeability in glassy polymers. <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , <b>1973</b> , 11, 3327-3329       |     | 11 |
| 2 | Mechanical behaviour and permeability of ABS/glass bead composites. <i>Polymer</i> , <b>1973</b> , 14, 21-26   | 3.9 | 36 |
| 1 | Performance evaluation of blended PVDF membranes for desalination of seawater RO brine using direct contact membrane distillation <sup>63</sup> , 6-14 |     | 7  |