

CITATION REPORT

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In Situ Visualization of Concentration Polarization during Membrane Ultrafiltration Using Microscopic Laser-Induced Fluorescence

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Environmental Science & Technology, 2019, 53, 2660-26

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| # | Paper | IF | Citations |
|----|--|------|-----------|
| 17 | Impact of Operating Conditions on Measured and Predicted Concentration Polarization in Membrane Distillation. <i>Environmental Science & Technology</i> , 2019 , 53, 11869-11876 | 10.3 | 7 |
| 16 | Light sheet fluorescence microscopy applied for in situ membrane fouling characterization: The microscopic events of hydrophilic membrane in resisting DEX fouling. <i>Water Research</i> , 2020 , 185, 116240 | 12.5 | 3 |
| 15 | Realtime and in-situ monitoring of membrane fouling with fiber-optic reflectance UV-vis spectrophotometry (FORUS). <i>Chemical Engineering Journal Advances</i> , 2020 , 4, 100058 | 3.6 | 0 |
| 14 | Excitation-emission matrix (EEM) fluorescence spectroscopy for characterization of organic matter in membrane bioreactors: Principles, methods and applications. <i>Frontiers of Environmental Science and Engineering</i> , 2020 , 14, 1 | 5.8 | 42 |
| 13 | High-performance nanofiltration membrane structured with enhanced stripe nano-morphology. <i>Journal of Membrane Science</i> , 2020 , 600, 117852 | 9.6 | 28 |
| 12 | Effective suppression of concentration polarization by nanofiltration membrane surface pattern manipulation: Numerical modeling based on LIF visualization. <i>Journal of Membrane Science</i> , 2021 , 622, 119021 | 9.6 | 5 |
| 11 | Frontiers of Membrane Desalination Processes for Brackish Water Treatment: A Review. <i>Membranes</i> , 2021 , 11, | 3.8 | 13 |
| 10 | Mathematical modelling of reaction-separation in an enzymatic membrane reactor during oligodextran production. <i>Journal of Membrane Science</i> , 2021 , 623, 119082 | 9.6 | 3 |
| 9 | Hierarchically Designed Salt-Resistant Solar Evaporator Based on Donnan Effect for Stable and High-Performance Brine Treatment. <i>Advanced Functional Materials</i> , 2021 , 31, 2100025 | 15.6 | 13 |
| 8 | Exploring formation rationale of skin-core heterogeneity during PVA solutions evaporation by laser-induced fluorescence analysis. <i>Polymer</i> , 2021 , 224, 123759 | 3.9 | 1 |
| 7 | Concentration polarization control in stand-alone and hybrid forward osmosis systems: Recent technological advancements and future directions. <i>Chemical Engineering Research and Design</i> , 2022 , 178, 199-223 | 5.5 | 0 |
| 6 | Effects of crossflow filtration cell configuration on membrane separation performance and fouling behaviour. <i>Desalination</i> , 2022 , 525, 115505 | 10.3 | 0 |
| 5 | Geometrical Influence on Particle Transport in Cross-Flow Ultrafiltration: Cylindrical and Flat Sheet Membranes.. <i>Membranes</i> , 2021 , 11, | 3.8 | 0 |
| 4 | Effects of varying flux and transmembrane pressure conditions during ceramic ultrafiltration on the infectivity and retention of MS2 bacteriophages. <i>Separation and Purification Technology</i> , 2022 , 299, 121709 | 8.3 | 0 |
| 3 | Interplay of organic components in membrane fouling evolution: Statistical evidence from multiple spectroscopic analyses. 2022 , 661, 120913 | | 0 |
| 2 | Quantifying and reducing concentration polarization in reverse osmosis systems. 2023 , 554, 116480 | | 0 |
| 1 | A polyelectrolyte hydrogel coated loofah sponge evaporator based on Donnan effect for highly efficient solar-driven desalination. 2023 , 462, 142265 | | 0 |

