# Jungeun Kim

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 23 papers | 977 citations | 17 h-index | 24 g-index |
| 24 ext. papers | 1,096 ext. citations | 9.3 avg, IF | 4.26 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 23 | Optimal storage sizing for indoor arena rainwater harvesting: Hydraulic simulation and economic assessment. *Journal of Environmental Management*, **2021**, 280, 111847 | 7.9 | 2 |
| 22 | Emerging investigator series: onsite recycling of saline/alkaline soil washing water by forward osmosis: techno-economic evaluation and implication. *Environmental Science: Water Research and Technology*, **2020**, 6, 2881-2890 | 4.2 | 0 |
| 21 | Free-standing, thin-film, symmetric membranes: Next-generation membranes for engineered osmosis. *Journal of Membrane Science*, **2020**, 607, 118145 | 9.6 | 7 |
| 20 | Techno-economic assessment of fertiliser drawn forward osmosis process for greenwall plants from urban wastewater. *Chemical Engineering Research and Design*, **2019**, 127, 180-188 | 5.5 | 18 |
| 19 | Environmental and economic assessment of hybrid FO-RO/NF system with selected inorganic draw solutes for the treatment of mine impaired water. *Desalination*, **2018**, 429, 96-104 | 10.3 | 36 |
| 18 | Forward osmosis membrane modular configurations for osmotic dilution of seawater by forward osmosis and reverse osmosis hybrid system. *Water Research*, **2018**, 128, 183-192 | 12.5 | 47 |
| 17 | Forward osmosis system analysis for optimum design and operating conditions. *Water Research*, **2018**, 145, 429-441 | 12.5 | 32 |
| 16 | Hybrid forward osmosis-reverse osmosis for wastewater reuse and seawater desalination: Understanding the optimal feed solution to minimise fouling. *Chemical Engineering Research and Design*, **2018**, 117, 523-532 | 5.5 | 41 |
| 15 | A closed-loop forward osmosis-nanofiltration hybrid system: Understanding process implications through full-scale simulation. *Desalination*, **2017**, 421, 169-178 | 10.3 | 17 |
| 14 | Environmental and economic impacts of fertilizer drawn forward osmosis and nanofiltration hybrid system. *Desalination*, **2017**, 416, 76-85 | 10.3 | 52 |
| 13 | Practical considerations for operability of an 8? spiral wound forward osmosis module: Hydrodynamics, fouling behaviour and cleaning strategy. *Desalination*, **2017**, 404, 249-258 | 10.3 | 55 |
| 12 | Fertilizer drawn forward osmosis process for sustainable water reuse to grow hydroponic lettuce using commercial nutrient solution. *Separation and Purification Technology*, **2017**, 181, 18-28 | 8.3 | 48 |
| 11 | Fertiliser drawn forward osmosis process: Pilot-scale desalination of mine impaired water for fertigation. *Journal of Membrane Science*, **2016**, 508, 22-31 | 9.6 | 71 |
| 10 | A comprehensive review of hybrid forward osmosis systems: Performance, applications and future prospects. *Journal of Membrane Science*, **2016**, 497, 430-449 | 9.6 | 231 |
| 9 | Pressure assisted fertiliser drawn osmosis process to enhance final dilution of the fertiliser draw solution beyond osmotic equilibrium. *Journal of Membrane Science*, **2015**, 481, 63-72 | 9.6 | 65 |
| 8 | Investigation of pilot-scale 8040 FO membrane module under different operating conditions for brackish water desalination. *Desalination and Water Treatment*, **2015**, 53, 2782-2791 | | 44 |
| 7 | Fertilizer-drawn forward osmosis for irrigation of tomatoes. *Desalination and Water Treatment*, **2015**, 53, 2746-2759 | | 25 |

# List of Publications

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|---|---|---|---|
| 6 | Fertiliser-Drawn Forward Osmosis Desalination for Fertigation **2015**, 395-426 | | 1 |
| 5 | Draw Solutes in Forward Osmosis Processes **2015**, 85-113 | | 3 |
| 4 | Influence of the process parameters on hollow fiber-forward osmosis membrane performances. *Desalination and Water Treatment*, **2015**, 54, 817-828 | | 25 |
| 3 | Assessing the major factors affecting the performances of forward osmosis and its implications on the desalination process. *Chemical Engineering Journal*, **2013**, 231, 484-496 | 14.7 | 128 |
| 2 | Pilot-scale nanofiltration system as post-treatment for fertilizer-drawn forward osmosis desalination for direct fertigation. *Desalination and Water Treatment*, **2013**, 51, 6265-6273 | | 25 |
| 1 | Effect of initial feed and draw flowrates on performance of an 8040 spiral-wound forward osmosis membrane element72, 1-12 | | 4 |