

# Jung Eun Kim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11215645/publications.pdf>

Version: 2024-02-01

20  
papers

1,160  
citations

516710

16  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1033  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | A comprehensive review of hybrid forward osmosis systems: Performance, applications and future prospects. <i>Journal of Membrane Science</i> , 2016, 497, 430-449.  | 8.2  | 277       |
| 2  | Assessing the major factors affecting the performances of forward osmosis and its implications on the desalination process. <i>Chemical Engineering Journal</i> , 2013, 231, 484-496.                                     | 12.7 | 155       |
| 3  | Fertiliser drawn forward osmosis process: Pilot-scale desalination of mine impaired water for fertigation. <i>Journal of Membrane Science</i> , 2016, 508, 22-31.   | 8.2  | 85        |
| 4  | Pressure assisted fertiliser drawn osmosis process to enhance final dilution of the fertiliser draw solution beyond osmotic equilibrium. <i>Journal of Membrane Science</i> , 2015, 481, 63-72.                           | 8.2  | 74        |
| 5  | Environmental and economic impacts of fertilizer drawn forward osmosis and nanofiltration hybrid system. <i>Desalination</i> , 2017, 416, 76-85.  | 8.2  | 70        |
| 6  | Fertilizer drawn forward osmosis process for sustainable water reuse to grow hydroponic lettuce using commercial nutrient solution. <i>Separation and Purification Technology</i> , 2017, 181, 18-28.                     | 7.9  | 70        |
| 7  | Forward osmosis membrane modular configurations for osmotic dilution of seawater by forward osmosis and reverse osmosis hybrid system. <i>Water Research</i> , 2018, 128, 183-192.  | 11.3 | 61        |
| 8  | Hybrid forward osmosis-reverse osmosis for wastewater reuse and seawater desalination: Understanding the optimal feed solution to minimise fouling. <i>Chemical Engineering Research and Design</i> , 2018, 117, 523-532. | 5.6  | 58        |
| 9  | Environmental and economic assessment of hybrid FO-RO/NF system with selected inorganic draw solutes for the treatment of mine impaired water. <i>Desalination</i> , 2018, 429, 96-104.                                   | 8.2  | 56        |
| 10 | Forward osmosis system analysis for optimum design and operating conditions. <i>Water Research</i> , 2018, 145, 429-441.  | 11.3 | 47        |
| 11 | Investigation of pilot-scale 8040 FO membrane module under different operating conditions for brackish water desalination. <i>Desalination and Water Treatment</i> , 2015, 53, 2782-2791.                                 | 1.0  | 46        |
| 12 | Techno-economic assessment of fertiliser drawn forward osmosis process for greenwall plants from urban wastewater. <i>Chemical Engineering Research and Design</i> , 2019, 127, 180-188.                                  | 5.6  | 29        |
| 13 | Influence of the process parameters on hollow fiber-forward osmosis membrane performances. <i>Desalination and Water Treatment</i> , 2015, 54, 817-828.   | 1.0  | 28        |
| 14 | Fertilizer-drawn forward osmosis for irrigation of tomatoes. <i>Desalination and Water Treatment</i> , 2015, 53, 2746-2759.   | 1.0  | 28        |
| 15 | Pilot-scale nanofiltration system as post-treatment for fertilizer-drawn forward osmosis desalination for direct fertigation. <i>Desalination and Water Treatment</i> , 2013, 51, 6265-6273.                              | 1.0  | 27        |
| 16 | A closed-loop forward osmosis-nanofiltration hybrid system: Understanding process implications through full-scale simulation. <i>Desalination</i> , 2017, 421, 169-178.   | 8.2  | 18        |
| 17 | Free-standing, thin-film, symmetric membranes: Next-generation membranes for engineered osmosis. <i>Journal of Membrane Science</i> , 2020, 607, 118145.  | 8.2  | 14        |
| 18 | Optimal storage sizing for indoor arena rainwater harvesting: Hydraulic simulation and economic assessment. <i>Journal of Environmental Management</i> , 2021, 280, 111847.   | 7.8  | 11        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Low energy resonance vibration submerged membrane system for microalgae harvesting: Performance and feasibility. <i>Desalination</i> , 2022, 539, 115895.  | 8.2 | 4         |
| 20 | Emerging investigator series: onsite recycling of saline-alkaline soil washing water by forward osmosis: techno-economic evaluation and implication. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2881-2890. | 2.4 | 2         |