

Jungeun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,230
citations

471371

17
h-index

752573

20
g-index

24
all docs

24
docs citations

24
times ranked

1054
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.	4.1	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.	6.6	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.	4.1	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.	4.1	74
5	Environmental and economic impacts of fertilizer drawn forward osmosis and nanofiltration hybrid system. <i>Desalination</i> , 2017, 416, 76-85.	4.0	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.	3.9	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.	5.3	61
8	Practical considerations for operability of an 8m ³ spiral wound forward osmosis module: Hydrodynamics, fouling behaviour and cleaning strategy. <i>Desalination</i> , 2017, 404, 249-258.	4.0	60
9	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.	2.7	58
10	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.	4.0	56
11	Forward osmosis system analysis for optimum design and operating conditions. <i>Water Research</i> , 2018, 145, 429-441.	5.3	47
12	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
13	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.	2.7	29
14	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
15	Fertilizer-drawn forward osmosis for irrigation of tomatoes. <i>Desalination and Water Treatment</i> , 2015, 53, 2746-2759.	1.0	28
16	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
17	A closed-loop forward osmosis-nanofiltration hybrid system: Understanding process implications through full-scale simulation. <i>Desalination</i> , 2017, 421, 169-178.	4.0	18
18	Free-standing, thin-film, symmetric membranes: Next-generation membranes for engineered osmosis. <i>Journal of Membrane Science</i> , 2020, 607, 118145.	4.1	14

#	ARTICLE	IF	CITATIONS
19	Optimal storage sizing for indoor arena rainwater harvesting: Hydraulic simulation and economic assessment. <i>Journal of Environmental Management</i> , 2021, 280, 111847.	3.8	11
20	Draw Solutes in Forward Osmosis Processes. , 2015, , 85-113.		5
21	Effect of initial feed and draw flowrates on performance of an 8040 spiral-wound forward osmosis membrane element. , 0, 72, 1-12.		4
22	Low energy resonance vibration submerged membrane system for microalgae harvesting: Performance and feasibility. <i>Desalination</i> , 2022, 539, 115895.	4.0	4
23	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.	1.2	2
24	Fertiliser-Drawn Forward Osmosis Desalination for Fertigation. , 2015, , 395-426.		1