

Jungeun Kim

List of Publications by Citations

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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.

23
papers

977
citations

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h-index

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24
ext. papers

1,096
ext. citations

9.3
avg, IF

4.26
L-index

#	Paper	IF	Citations
23	A comprehensive review of hybrid forward osmosis systems: Performance, applications and future prospects. <i>Journal of Membrane Science</i> , 2016 , 497, 430-449	9.6	231
22	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	14.7	128
21	Fertiliser drawn forward osmosis process: Pilot-scale desalination of mine impaired water for fertigation. <i>Journal of Membrane Science</i> , 2016 , 508, 22-31	9.6	71
20	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	9.6	65
19	Practical considerations for operability of an 8? spiral wound forward osmosis module: Hydrodynamics, fouling behaviour and cleaning strategy. <i>Desalination</i> , 2017 , 404, 249-258	10.3	55
18	Environmental and economic impacts of fertilizer drawn forward osmosis and nanofiltration hybrid system. <i>Desalination</i> , 2017 , 416, 76-85	10.3	52
17	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	8.3	48
16	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	12.5	47
15	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		44
14	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	5.5	41
13	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	10.3	36
12	Forward osmosis system analysis for optimum design and operating conditions. <i>Water Research</i> , 2018 , 145, 429-441	12.5	32
11	Fertilizer-drawn forward osmosis for irrigation of tomatoes. <i>Desalination and Water Treatment</i> , 2015 , 53, 2746-2759		25
10	Influence of the process parameters on hollow fiber-forward osmosis membrane performances. <i>Desalination and Water Treatment</i> , 2015 , 54, 817-828		25
9	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		25
8	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	5.5	18
7	A closed-loop forward osmosis-nanofiltration hybrid system: Understanding process implications through full-scale simulation. <i>Desalination</i> , 2017 , 421, 169-178	10.3	17

6	Free-standing, thin-film, symmetric membranes: Next-generation membranes for engineered osmosis. <i>Journal of Membrane Science</i> , 2020 , 607, 118145	9.6	7
5	Effect of initial feed and draw flowrates on performance of an 8040 spiral-wound forward osmosis membrane element72, 1-12		4
4	Draw Solutes in Forward Osmosis Processes 2015 , 85-113		3
3	Optimal storage sizing for indoor arena rainwater harvesting: Hydraulic simulation and economic assessment. <i>Journal of Environmental Management</i> , 2021 , 280, 111847	7.9	2
2	Fertiliser-Drawn Forward Osmosis Desalination for Fertigation 2015 , 395-426		1
1	Emerging investigator series: onsite recycling of salinealkaline soil washing water by forward osmosis: techno-economic evaluation and implication. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 2881-2890	4.2	0