

Laura Chekli

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.

28

papers

1,281

citations

20

h-index

28

g-index

28

ext. papers

1,452

ext. citations

8.6

avg, IF

4.37

L-index

#	Paper	IF	Citations
28	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
27	A review of draw solutes in forward osmosis process and their use in modern applications. <i>Desalination and Water Treatment</i> , 2012 , 43, 167-184		205
26	Evaluation of fertilizer-drawn forward osmosis for sustainable agriculture and water reuse in arid regions. <i>Journal of Environmental Management</i> , 2017 , 187, 137-145	7.9	71
25	Analytical characterisation of nanoscale zero-valent iron: A methodological review. <i>Analytica Chimica Acta</i> , 2016 , 903, 13-35	6.6	63
24	Simultaneous phosphorous and nitrogen recovery from source-separated urine: A novel application for fertiliser drawn forward osmosis. <i>Chemosphere</i> , 2018 , 203, 482-489	8.4	60
23	Selection of suitable fertilizer draw solute for a novel fertilizer-drawn forward osmosis-anaerobic membrane bioreactor hybrid system. <i>Bioresource Technology</i> , 2016 , 210, 26-34	11	59
22	Characterisation of Fe-oxide nanoparticles coated with humic acid and Suwannee River natural organic matter. <i>Science of the Total Environment</i> , 2013 , 461-462, 19-27	10.2	54
21	Environmental and economic impacts of fertilizer drawn forward osmosis and nanofiltration hybrid system. <i>Desalination</i> , 2017 , 416, 76-85	10.3	52
20	Aggregation behaviour of engineered nanoparticles in natural waters: characterising aggregate structure using on-line laser light scattering. <i>Journal of Hazardous Materials</i> , 2015 , 284, 190-200	12.8	52
19	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
18	Assessing the removal of organic micro-pollutants from anaerobic membrane bioreactor effluent by fertilizer-drawn forward osmosis. <i>Journal of Membrane Science</i> , 2017 , 533, 84-95	9.6	42
17	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
16	Assessing the aggregation behaviour of iron oxide nanoparticles under relevant environmental conditions using a multi-method approach. <i>Water Research</i> , 2013 , 47, 4585-99	12.5	37
15	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
14	Assessing the removal of organic micropollutants by a novel baffled osmotic membrane bioreactor-microfiltration hybrid system. <i>Bioresource Technology</i> , 2018 , 262, 98-106	11	34
13	Understanding the possible underlying mechanisms for low fouling tendency of the forward osmosis and pressure assisted osmosis processes. <i>Desalination</i> , 2017 , 421, 89-98	10.3	31
12	Methane production in an anaerobic osmotic membrane bioreactor using forward osmosis: Effect of reverse salt flux. <i>Bioresource Technology</i> , 2017 , 239, 285-293	11	26

11	Influence of fertilizer draw solution properties on the process performance and microbial community structure in a side-stream anaerobic fertilizer-drawn forward osmosis - ultrafiltration bioreactor. <i>Bioresource Technology</i> , 2017 , 240, 149-156	11	25
10	Performance of a novel baffled osmotic membrane bioreactor-microfiltration hybrid system under continuous operation for simultaneous nutrient removal and mitigation of brine discharge. <i>Bioresource Technology</i> , 2017 , 240, 50-58	11	25
9	Impact of reverse nutrient diffusion on membrane biofouling in fertilizer-drawn forward osmosis. <i>Journal of Membrane Science</i> , 2017 , 539, 108-115	9.6	22
8	Evaluating the effect of different draw solutes in a baffled osmotic membrane bioreactor-microfiltration using optical coherence tomography with real wastewater. <i>Bioresource Technology</i> , 2018 , 263, 306-316	11	15
7	NO removal of mortar mixed with titania produced from Ti-salt flocculated sludge. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 3851-3856	6.3	15
6	Performance of a Novel Fertilizer-Drawn Forward Osmosis Aerobic Membrane Bioreactor (FDFO-MBR): Mitigating Salinity Build-Up by Integrating Microfiltration. <i>Water (Switzerland)</i> , 2017 , 9, 21	3	14
5	Combining high performance fertiliser with surfactants to reduce the reverse solute flux in the fertiliser drawn forward osmosis process. <i>Journal of Environmental Management</i> , 2018 , 226, 217-225	7.9	12
4	Role of various physical and chemical techniques for hollow fibre forward osmosis membrane cleaning. <i>Desalination and Water Treatment</i> , 2016 , 57, 7742-7752		5
3	Draw Solutes in Forward Osmosis Processes 2015 , 85-113		3
2	Adsorption and Photocatalytic Degradation of Methylene Blue Using Potassium Polytitanate and Solar Simulator. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 4342-9	1.3	2
1	TiO ₂ Coated Optical Fibres for Groundwater Remediation. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 1086-1089	1.3	1