

Laura Chekli

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,631
citations

361413
20
h-index

526287
27
g-index

28
all docs

28
docs citations

28
times ranked

1832
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	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.	1.0	240
3	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.	7.8	99
4	Simultaneous phosphorous and nitrogen recovery from source-separated urine: A novel application for fertiliser drawn forward osmosis. <i>Chemosphere</i> , 2018, 203, 482-489.	8.2	91
5	Analytical characterisation of nanoscale zero-valent iron: A methodological review. <i>Analytica Chimica Acta</i> , 2016, 903, 13-35.	5.4	87
6	Environmental and economic impacts of fertilizer drawn forward osmosis and nanofiltration hybrid system. <i>Desalination</i> , 2017, 416, 76-85.	8.2	70
7	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
8	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.	8.0	67
9	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.	9.6	66
10	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.	12.4	59
11	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
12	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
13	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.	8.2	53
14	Assessing the aggregation behaviour of iron oxide nanoparticles under relevant environmental conditions using a multi-method approach. <i>Water Research</i> , 2013, 47, 4585-4599.	11.3	47
15	Assessing the removal of organic micropollutants by a novel baffled osmotic membrane bioreactor-microfiltration hybrid system. <i>Bioresource Technology</i> , 2018, 262, 98-106.	9.6	47
16	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.	9.6	36
17	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.	8.2	36
18	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.	9.6	32

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19	Methane production in an anaerobic osmotic membrane bioreactor using forward osmosis: Effect of reverse salt flux. <i>Bioresource Technology</i> , 2017, 239, 285-293.	9.6	30
20	Impact of reverse nutrient diffusion on membrane biofouling in fertilizer-drawn forward osmosis. <i>Journal of Membrane Science</i> , 2017, 539, 108-115.	8.2	28
21	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.	5.8	17
22	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.	2.7	17
23	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.	7.8	16
24	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.	9.6	15
25	Role of various physical and chemical techniques for hollow fibre forward osmosis membrane cleaning. <i>Desalination and Water Treatment</i> , 2016, 57, 7742-7752.	1.0	8
26	Draw Solutes in Forward Osmosis Processes. , 2015, , 85-113.		5
27	Adsorption and Photocatalytic Degradation of Methylene Blue Using Potassium Polytitanate and Solar Simulator. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 4342-4349.	0.9	3
28	TiO ₂ -Coated Optical Fibres for Groundwater Remediation. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1086-1089.	0.9	1