

Federico Volpin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5292960/publications.pdf>

Version: 2024-02-01

13
papers

437
citations

840585

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1125617

13
g-index

13
all docs

13
docs citations

13
times ranked

494
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous phosphorous and nitrogen recovery from source-separated urine: A novel application for fertiliser drawn forward osmosis. <i>Chemosphere</i> , 2018, 203, 482-489.	4.2	91
2	Techno-economic feasibility of recovering phosphorus, nitrogen and water from dilute human urine via forward osmosis. <i>Water Research</i> , 2019, 150, 47-55.	5.3	74
3	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
4	Human urine as a forward osmosis draw solution for the application of microalgae dewatering. <i>Journal of Hazardous Materials</i> , 2019, 378, 120724.	6.5	41
5	Urine Treatment on the International Space Station: Current Practice and Novel Approaches. <i>Membranes</i> , 2020, 10, 327.	1.4	33
6	Impact of source-separation of urine on effluent quality, energy consumption and greenhouse gas emissions of a decentralized wastewater treatment plant. <i>Chemical Engineering Research and Design</i> , 2021, 150, 298-304.	2.7	31
7	Sanitation and dewatering of human urine via membrane bioreactor and membrane distillation and its reuse for fertigation. <i>Journal of Cleaner Production</i> , 2020, 270, 122390.	4.6	30
8	GreenPRO: A novel fertiliser-driven osmotic power generation process for fertigation. <i>Desalination</i> , 2018, 447, 158-166.	4.0	19
9	Energy recovery through reverse electrodialysis: Harnessing the salinity gradient from the flushing of human urine. <i>Water Research</i> , 2020, 186, 116320.	5.3	17
10	Removal of pharmaceuticals from nitrified urine. <i>Chemosphere</i> , 2021, 280, 130870.	4.2	16
11	Exploring shredded waste PET bottles as a biofilter media for improved on-site sanitation. <i>Chemical Engineering Research and Design</i> , 2021, 148, 370-381.	2.7	13
12	Impact of source-separation of urine on treatment capacity, process design, and capital expenditure of a decentralised wastewater treatment plant. <i>Chemosphere</i> , 2022, 300, 134489.	4.2	9
13	Modeling of the Elk river spill 2014. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7980-7985.	2.7	5