

Christopher Davey

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4164124/publications.pdf>

Version: 2024-02-01

15
papers

216
citations

1163117

8
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

229
citing authors

#	ARTICLE	IF	CITATIONS
1	Transforming wastewater ammonia to carbon free energy: Integrating fuel cell technology with ammonia stripping for direct power production. Separation and Purification Technology, 2022, 289, 120755.	7.9	6
2	Reconciliation of gas to liquid mass transfer in parallel and transverse flow (cross-flow) hollow fiber membrane contactors (HFMC) for CO ₂ absorption. Separation Science and Technology, 2021, 56, 129-140.	2.5	8
3	Membrane distillation for concentrated blackwater: Influence of configuration (air gap, direct) Tj ETQq1 1 0.784314 rgBT /Overlock 10 263, 118390.	7.9	24
4	Scale-up of reverse electrodialysis for energy generation from high concentration salinity gradients. Journal of Membrane Science, 2021, 627, 119245.	8.2	10
5	Transitioning from electrodialysis to reverse electrodialysis stack design for energy generation from high concentration salinity gradients. Energy Conversion and Management, 2021, 244, 114493.	9.2	22
6	Managing power dissipation in closed-loop reverse electrodialysis to maximise energy recovery during thermal-to-electric conversion. Desalination, 2020, 496, 114711.	8.2	8
7	Integrating crystallisation into transmembrane chemical absorption: Process intensification for ammonia separation from anaerobic digestate. Journal of Membrane Science, 2020, 611, 118236.	8.2	19
8	Ultrafiltration pretreatment enhances membrane distillation flux, resilience and permeate quality during water recovery from concentrated blackwater (urine/faeces). Separation and Purification Technology, 2020, 253, 117547.	7.9	18
9	Quantification of liquid phase faecal odourants to evaluate membrane technology for wastewater reuse from decentralised sanitation facilities. Environmental Science: Water Research and Technology, 2019, 5, 161-171.	2.4	2
10	Hybrid membrane distillation reverse electrodialysis configuration for water and energy recovery from human urine: An opportunity for off-grid decentralised sanitation. Journal of Membrane Science, 2019, 584, 343-352.	8.2	37
11	Impact of fouling, cleaning and faecal contamination on the separation of water from urine using thermally driven membrane separation. Separation Science and Technology, 2018, 53, 1372-1382.	2.5	18
12	Improving energy efficiency of electrochemical blackwater disinfection through sequential reduction of suspended solids and chemical oxygen demand. Gates Open Research, 2018, 2, 50.	1.1	7
13	Hybrid and Mixed Matrix Membranes for Separations from Fermentations. Membranes, 2016, 6, 17.	3.0	30
14	Improving energy efficiency of electrochemical blackwater disinfection through sequential reduction of suspended solids and chemical oxygen demand. Gates Open Research, 0, 2, 50.	1.1	3
15	Downscaling reverse osmosis for single-household wastewater reuse: towards low-cost decentralised sanitation through a batch open-loop configuration. Journal of Water Reuse and Desalination, 0, , .	2.3	4