

Christopher Davey

List of Publications by Year in descending order

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15
papers

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citations

1163117

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1125743

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docs citations

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229
citing authors

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