Marjolein Vanoppen

List of Publications by Year
in descending order

16	295	933264	1058333
papers	citations	10 h-index	14 g-index

16	16	16	420
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Refinery and concentration of nutrients from urine with electrodialysis enabled by upstream precipitation and nitrification. Water Research, 2018, 144, 76-86.	5.3	51
2	Properties Governing the Transport of Trace Organic Contaminants through Ion-Exchange Membranes. Environmental Science & Technology, 2015, 49, 489-497.	4.6	44
3	Increasing RO efficiency by chemical-free ion-exchange and Donnan dialysis: Principles andÂpractical implications. Water Research, 2015, 80, 59-70.	5.3	39
4	Assisted reverse electrodialysisâ€"principles, mechanisms, and potential. Npj Clean Water, 2018, 1, .	3.1	30
5	Key physicochemical characteristics governing organic micropollutant adsorption and transport in ion-exchange membranes during reverse electrodialysis. Desalination, 2019, 468, 114084.	4.0	25
6	Effect of pH on the transport and adsorption of organic micropollutants in ion-exchange membranes in electrodialysis-based desalination. Separation and Purification Technology, 2020, 252, 117487.	3.9	22
7	A hybrid IEX-RO process with brine recycling for increased RO recovery without chemical addition: A pilot-scale study. Desalination, 2016, 394, 185-194.	4.0	20
8	Fate of organic micropollutants in reverse electrodialysis: Influence of membrane fouling and channel clogging. Desalination, 2021, 512, 115114.	4.0	16
9	Transport of uncharged organics in ion-exchange membranes: experimental validation of the solution-diffusion model. Journal of Membrane Science, 2018, 564, 773-781.	4.1	14
10	A generic reverse osmosis model for full-scale operation. Desalination, 2020, 490, 114509.	4.0	10
11	Organic Matter and Microbial Cell Density Behavior during Ion Exchange Demineralization of Surface Water for Boiler Feedwater. Industrial & Engineering Chemistry Research, 2019, 58, 14368-14379.	1.8	8
12	Organic Matter Composition More Important than Concentration in Ion Exchange Demineralization of Different Water Qualities for the Production of Steam. Industrial & Engineering Chemistry Research, 2018, 57, 3742-3752.	1.8	6
13	Non-steady diffusion and adsorption of organic micropollutants in ion-exchange membranes: effect of the membrane thickness. IScience, 2021, 24, 102095.	1.9	6
14	Liquid Chromatographyâ€"High-Resolution Mass Spectrometry-Based Target and Nontarget Screening Methods to Characterize Film-Forming Amine-Treated Steam-Water Systems. Industrial & Engineering Chemistry Research, 2020, 59, 22301-22309.	1.8	4
15	A New Mode of Reverse Electrodialysis Operation to Reduce Seawater RO Energy Demand. ECS Meeting Abstracts, 2016, , .	0.0	0
16	Selective Separation of Organics and Inorganics with Ion-Exchange Membranes: Influence of Solution Matrix and Organics Properties. ECS Meeting Abstracts, 2016, , .	0.0	0