Tom C Arnot

List of Publications by Year
in descending order

31 papers	4,099 citations	361413 20 h-index	454955 30 g-index
33 all docs	33 docs citations	33 times ranked	5358 citing authors

#	Article	IF	Citations
1	A review of reverse osmosis membrane materials for desalinationâ€"Development to date and future potential. Journal of Membrane Science, 2011, 370, 1-22.	8.2	1,730
2	Biofuel cells and their development. Biosensors and Bioelectronics, 2006, 21, 2015-2045.	10.1	882
3	Cross-flow and dead-end microfiltration of oily-water emulsion. Part I: Experimental study and analysis of flux decline. Journal of Membrane Science, 1995, 102, 193-207.	8.2	173
4	Separation of concentrated organic/inorganic salt mixtures by nanofiltration. Journal of Membrane Science, 2000, 178, 185-193.	8.2	172
5	Combined Use of Bacteriophage K and a Novel Bacteriophage To Reduce Staphylococcus aureus Biofilm Formation. Applied and Environmental Microbiology, 2014, 80, 6694-6703.	3.1	134
6	Cross-flow and dead-end microfiltration of oily-water emulsions. Journal of Membrane Science, 2000, 169, 1-15.	8.2	128
7	Medium Chain Carboxylic Acids from Complex Organic Feedstocks by Mixed Culture Fermentation. Molecules, 2019, 24, 398.	3.8	105
8	In situ manipulation of critical flux in a submerged membrane bioreactor using variable aeration rates, and effects of membrane history. Journal of Membrane Science, 2004, 242, 13-19.	8.2	96
9	Organic waste as a sustainable feedstock for platform chemicals. Faraday Discussions, 2017, 202, 175-195.	3.2	92
10	A novel bacteriophage cocktail reduces and disperses <scp>P</scp>seudomonas aeruginosa biofilms under static and flow conditions. Microbial Biotechnology, 2016, 9, 61-74.	4.2	91
11	Controlling fouling in membrane bioreactors operated with a variable throughput. Desalination, 2002, 149, 225-229.	8.2	81
12	Elucidation of the mechanisms of action of Bacteriophage K/nano-emulsion formulations against S. aureus via measurement of particle size and zeta potential. Colloids and Surfaces B: Biointerfaces, 2016, 139, 87-94.	5.0	60
13	Enhancement of the antimicrobial properties of bacteriophageâ€K via stabilization using oilâ€inâ€water nanoâ€emulsions. Biotechnology Progress, 2014, 30, 932-944.	2.6	40
14	New aminocyclitols with quaternary stereocentres via acylnitroso cycloaddition with an ipso,ortho arene dihydrodiol. Tetrahedron, 2013, 69, 5989-5997.	1.9	38
15	The influence of surfactant on water flux through microfiltration membranes. Journal of Membrane Science, 1994, 86, 291-304.	8.2	37
16	A novel extractive membrane bioreactor for treating biorefractory organic pollutants in the presence of high concentrations of inorganics: application to a synthetic acidic effluent containing high concentrations of chlorophenol and salt. Journal of Membrane Science, 2001, 181, 127-140.	8.2	37
17	Selecting fermentation products for food waste valorisation with HRT and OLR as the key operational parameters. Waste Management, 2021, 127, 80-89.	7.4	34
18	Multi-residue ultra-performance liquid chromatography coupled with tandem mass spectrometry method for comprehensive multi-class anthropogenic compounds of emerging concern analysis in a catchment-based exposure-driven study. Analytical and Bioanalytical Chemistry, 2019, 411, 7061-7086.	3.7	31

#	Article	IF	Citations
19	Micropollutant fluxes in urban environment â€“ A catchment perspective. Journal of Hazardous Materials, 2021, 401, 123745.	12.4	26
20	Developing a stochastic sewer model to support sewer design under water conservation measures. Journal of Hydrology, 2019, 573, 908-917.	5.4	22
21	Membrane Bioreactors for Treating Waste Streams. Annals of the New York Academy of Sciences, 2003, 984, 411-419.	3.8	15
22	Adjusting Organic Load as a Strategy to Direct Single-Stage Food Waste Fermentation from Anaerobic Digestion to Chain Elongation. Processes, 2020, 8, 1487.	2.8	15
23	A Stochastic Model to Predict Flow, Nutrient and Temperature Changes in a Sewer under Water Conservation Scenarios. Water (Switzerland), 2020, 12, 1187.	2.7	15
24	Modeling Energy Consumption in Membrane Bioreactors for Wastewater Treatment in North Africa. Water Environment Research, 2014, 86, 232-244.	2.7	12
25	Enhanced system kLa and permeate flux with a ceramic membrane bioreactor. Biotechnology Letters, 1996, 10, 287.	0.5	11
26	Predicting impacts of water conservation with a stochastic sewer model. Water Science and Technology, 2019, 80, 2148-2157.	2.5	8
27	Controlled flux behaviour of membrane processes. Macromolecular Symposia, 2002, 188, 23-36.	0.7	7
28	Extraction-membrane bio-reactor for treating priority pollutants in the presence of inorganics. Membrane Technology, 2001, 2001, 4-7.	0.1	3
29	Hydroinformatics education â€“ the Water Informatics in Science and Engineering (WISE) Centre for Doctoral Training. Hydrology and Earth System Sciences, 2021, 25, 2721-2738.	4.9	3
30	Operation of a submerged aerobic membrane bioreactor for decentralised municipal wastewater treatment in North Africa. Water Practice and Technology, 2012, 7, .	2.0	1
31	Turnup Turndown of Membrane Operation of Membrane Bioreactors. Annals of the New York Academy of Sciences, 2003, 984, 492-501.	3.8	0