

Tom C Arnot

List of Publications by Year in descending order

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Version: 2024-02-01

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	Micropollutant fluxes in urban environment – A catchment perspective. <i>Journal of Hazardous Materials</i> , 2021, 401, 123745.	12.4	26
2	Selecting fermentation products for food waste valorisation with HRT and OLR as the key operational parameters. <i>Waste Management</i> , 2021, 127, 80-89.	7.4	34
3	Hydroinformatics education – the Water Informatics in Science and Engineering (WISE) Centre for Doctoral Training. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 2721-2738.	4.9	3
4	Adjusting Organic Load as a Strategy to Direct Single-Stage Food Waste Fermentation from Anaerobic Digestion to Chain Elongation. <i>Processes</i> , 2020, 8, 1487.	2.8	15
5	A Stochastic Model to Predict Flow, Nutrient and Temperature Changes in a Sewer under Water Conservation Scenarios. <i>Water (Switzerland)</i> , 2020, 12, 1187.	2.7	15
6	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. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7061-7086.	3.7	31
7	Medium Chain Carboxylic Acids from Complex Organic Feedstocks by Mixed Culture Fermentation. <i>Molecules</i> , 2019, 24, 398.	3.8	105
8	Developing a stochastic sewer model to support sewer design under water conservation measures. <i>Journal of Hydrology</i> , 2019, 573, 908-917.	5.4	22
9	Predicting impacts of water conservation with a stochastic sewer model. <i>Water Science and Technology</i> , 2019, 80, 2148-2157.	2.5	8
10	Organic waste as a sustainable feedstock for platform chemicals. <i>Faraday Discussions</i> , 2017, 202, 175-195.	3.2	92
11	A novel bacteriophage cocktail reduces and disperses <i>Pseudomonas aeruginosa</i> biofilms under static and flow conditions. <i>Microbial Biotechnology</i> , 2016, 9, 61-74.	4.2	91
12	Elucidation of the mechanisms of action of Bacteriophage K/nano-emulsion formulations against <i>S. aureus</i> via measurement of particle size and zeta potential. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 139, 87-94.	5.0	60
13	Modeling Energy Consumption in Membrane Bioreactors for Wastewater Treatment in North Africa. <i>Water Environment Research</i> , 2014, 86, 232-244.	2.7	12
14	Enhancement of the antimicrobial properties of bacteriophage K via stabilization using oil-in-water nano-emulsions. <i>Biotechnology Progress</i> , 2014, 30, 932-944.	2.6	40
15	Combined Use of Bacteriophage K and a Novel Bacteriophage To Reduce <i>Staphylococcus aureus</i> Biofilm Formation. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6694-6703.	3.1	134
16	New aminocyclitols with quaternary stereocentres via acylnitroso cycloaddition with an ipso,ortho arene dihydrodiol. <i>Tetrahedron</i> , 2013, 69, 5989-5997.	1.9	38
17	Operation of a submerged aerobic membrane bioreactor for decentralised municipal wastewater treatment in North Africa. <i>Water Practice and Technology</i> , 2012, 7, .	2.0	1
18	A review of reverse osmosis membrane materials for desalination – Development to date and future potential. <i>Journal of Membrane Science</i> , 2011, 370, 1-22.	8.2	1,730

#	ARTICLE	IF	CITATIONS
19	Biofuel cells and their development. <i>Biosensors and Bioelectronics</i> , 2006, 21, 2015-2045.	10.1	882
20	In situ manipulation of critical flux in a submerged membrane bioreactor using variable aeration rates, and effects of membrane history. <i>Journal of Membrane Science</i> , 2004, 242, 13-19.	8.2	96
21	Membrane Bioreactors for Treating Waste Streams. <i>Annals of the New York Academy of Sciences</i> , 2003, 984, 411-419.	3.8	15
22	Turnup Turndown of Membrane Operation of Membrane Bioreactors. <i>Annals of the New York Academy of Sciences</i> , 2003, 984, 492-501.	3.8	0
23	Controlled flux behaviour of membrane processes. <i>Macromolecular Symposia</i> , 2002, 188, 23-36.	0.7	7
24	Controlling fouling in membrane bioreactors operated with a variable throughput. <i>Desalination</i> , 2002, 149, 225-229.	8.2	81
25	Extraction-membrane bio-reactor for treating priority pollutants in the presence of inorganics. <i>Membrane Technology</i> , 2001, 2001, 4-7.	0.1	3
26	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. <i>Journal of Membrane Science</i> , 2001, 181, 127-140.	8.2	37
27	Separation of concentrated organic/inorganic salt mixtures by nanofiltration. <i>Journal of Membrane Science</i> , 2000, 178, 185-193.	8.2	172
28	Cross-flow and dead-end microfiltration of oily-water emulsions. <i>Journal of Membrane Science</i> , 2000, 169, 1-15.	8.2	128
29	Enhanced system k_La and permeate flux with a ceramic membrane bioreactor. <i>Biotechnology Letters</i> , 1996, 10, 287.	0.5	11
30	Cross-flow and dead-end microfiltration of oily-water emulsion. Part I: Experimental study and analysis of flux decline. <i>Journal of Membrane Science</i> , 1995, 102, 193-207.	8.2	173
31	The influence of surfactant on water flux through microfiltration membranes. <i>Journal of Membrane Science</i> , 1994, 86, 291-304.	8.2	37