

Elise Cartmell

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83 papers	4,442 citations	33 h-index	65 g-index
86 ext. papers	4,997 ext. citations	7.1 avg, IF	5.46 L-index

#	Paper	IF	Citations
83	Nonylphenol in the environment: a critical review on occurrence, fate, toxicity and treatment in wastewaters. <i>Environment International</i> , 2008 , 34, 1033-49	12.9	836
82	The Characterization of Feces and Urine: A Review of the Literature to Inform Advanced Treatment Technology. <i>Critical Reviews in Environmental Science and Technology</i> , 2015 , 45, 1827-1879	11.1	601
81	Bromate Environmental Contamination: Review of Impact and Possible Treatment. <i>Critical Reviews in Environmental Science and Technology</i> , 2005 , 35, 193-217	11.1	156
80	Anaerobic digestion foaming causes--a review. <i>Bioresource Technology</i> , 2009 , 100, 5546-54	11	152
79	Bacteriophages--potential for application in wastewater treatment processes. <i>Science of the Total Environment</i> , 2005 , 339, 1-18	10.2	141
78	The significance of hazardous chemicals in wastewater treatment works effluents. <i>Science of the Total Environment</i> , 2012 , 437, 363-72	10.2	106
77	Treatment and removal strategies for estrogens from wastewater. <i>Environmental Technology (United Kingdom)</i> , 2008 , 29, 245-67	2.6	104
76	Mechanical sludge disintegration for the production of carbon source for biological nutrient removal. <i>Water Research</i> , 2007 , 41, 1734-42	12.5	103
75	Nitrous oxide emissions and dissolved oxygen profiling in a full-scale nitrifying activated sludge treatment plant. <i>Water Research</i> , 2013 , 47, 524-34	12.5	101
74	Determination of steroid estrogens in wastewater by high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2007 , 1173, 81-7	4.5	92
73	Performance of UK wastewater treatment works with respect to trace contaminants. <i>Science of the Total Environment</i> , 2013 , 456-457, 359-69	10.2	90
72	The fate and removal of triclosan during wastewater treatment. <i>Water Environment Research</i> , 2005 , 77, 63-7	2.8	86
71	Influence of operating parameters on the biodegradation of steroid estrogens and nonylphenolic compounds during biological wastewater treatment processes. <i>Environmental Science & Technology</i> , 2009 , 43, 6646-54	10.3	81
70	Recovery of methane from anaerobic process effluent using poly-di-methyl-siloxane membrane contactors. <i>Water Science and Technology</i> , 2012 , 65, 604-10	2.2	76
69	Rotating biological contactors for wastewater treatment [A review. <i>Chemical Engineering Research and Design</i> , 2015 , 94, 285-306	5.5	73
68	The effectiveness of anaerobic digestion in removing estrogens and nonylphenol ethoxylates. <i>Journal of Hazardous Materials</i> , 2012 , 199-200, 88-95	12.8	72
67	Biosolids--a fuel or a waste? An integrated appraisal of five co-combustion scenarios with policy analysis. <i>Environmental Science & Technology</i> , 2006 , 40, 649-58	10.3	66

66	Comparison between disintegrated and fermented sewage sludge for production of a carbon source suitable for biological nutrient removal. <i>Journal of Hazardous Materials</i> , 2010 , 175, 733-9	12.8	64
65	Fate of drugs during wastewater treatment. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 49, 145-159	14.6	56
64	Nitrous oxide emissions for early warning of biological nitrification failure in activated sludge. <i>Water Research</i> , 2009 , 43, 1265-72	12.5	51
63	Impacts of coagulation-flocculation treatment on the size distribution and bioavailability of trace metals (Cu, Pb, Ni, Zn) in municipal wastewater. <i>Water Research</i> , 2018 , 128, 120-128	12.5	47
62	Removal of steroid estrogens in carbonaceous and nitrifying activated sludge processes. <i>Chemosphere</i> , 2010 , 81, 1-6	8.4	46
61	Coagulation-flocculation process with metal salts, synthetic polymers and biopolymers for the removal of trace metals (Cu, Pb, Ni, Zn) from municipal wastewater. <i>Clean Technologies and Environmental Policy</i> , 2018 , 20, 393-402	4.3	43
60	Carbon capture and biogas enhancement by carbon dioxide enrichment of anaerobic digesters treating sewage sludge or food waste. <i>Bioresource Technology</i> , 2014 , 159, 1-7	11	41
59	Obtaining process mass balances of pharmaceuticals and triclosan to determine their fate during wastewater treatment. <i>Science of the Total Environment</i> , 2014 , 497-498, 553-560	10.2	40
58	Assessing potential modifications to the activated sludge process to improve simultaneous removal of a diverse range of micropollutants. <i>Water Research</i> , 2014 , 62, 180-92	12.5	40
57	An internal carbon source for improving biological nutrient removal. <i>Bioresource Technology</i> , 2009 , 100, 149-54	11	40
56	Energy recovery from human faeces via gasification: A thermodynamic equilibrium modelling approach. <i>Energy Conversion and Management</i> , 2016 , 118, 364-376	10.6	39
55	An experimental investigation of the combustion performance of human faeces. <i>Fuel</i> , 2016 , 184, 780-791	7.1	39
54	Remediation of bromate-contaminated groundwater in an ex situ fixed-film bioreactor. <i>Science of the Total Environment</i> , 2006 , 366, 12-20	10.2	38
53	The effect of organic loading rate on foam initiation during mesophilic anaerobic digestion of municipal wastewater sludge. <i>Bioresource Technology</i> , 2011 , 102, 6637-43	11	37
52	The application of microfiltration-reverse osmosis/nanofiltration to trace organics removal for municipal wastewater reuse. <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 3183-9	2.6	35
51	Fate and removal of metals in municipal wastewater treatment: a review. <i>Environmental Technology Reviews</i> , 2018 , 7, 1-18	7.7	33
50	A review of the impact and potential of intermittent aeration on continuous flow nitrifying activated sludge. <i>Environmental Technology (United Kingdom)</i> , 2011 , 33, 1685-97	2.6	33
49	Diagnostic investigation of steroid estrogen removal by activated sludge at varying solids retention time. <i>Chemosphere</i> , 2014 , 113, 101-8	8.4	32

48	Fate of alkylphenolic compounds during activated sludge treatment: impact of loading and organic composition. <i>Environmental Science & Technology</i> , 2011 , 45, 248-54	10.3	32
47	Gas to liquid mass transfer in rheologically complex fluids. <i>Chemical Engineering Journal</i> , 2015 , 273, 656-667	11.7	28
46	Adsorption and Precipitation of Tetracycline with Struvite. <i>Water Environment Research</i> , 2007 , 79, 2551-2556	11.6	28
45	Conceptual energy and water recovery system for self-sustained nano membrane toilet. <i>Energy Conversion and Management</i> , 2016 , 126, 352-361	10.6	26
44	A Critical Review of the Formation of Mono- and Dicarboxylated Metabolic Intermediates of Alkylphenol Polyethoxylates during Wastewater Treatment and Their Environmental Significance. <i>Critical Reviews in Environmental Science and Technology</i> , 2010 , 40, 199-238	11.1	25
43	A sensitive and robust method for the determination of alkylphenol polyethoxylates and their carboxylic acids and their transformation in a trickling filter wastewater treatment plant. <i>Chemosphere</i> , 2008 , 73, 551-6	8.4	25
42	Distribution of trace metals (Cu, Pb, Ni, Zn) between particulate, colloidal and truly dissolved fractions in wastewater treatment. <i>Chemosphere</i> , 2017 , 175, 239-246	8.4	23
41	The cost and performance of an MF-RO/NF plant for trace metal removal. <i>Desalination</i> , 2013 , 309, 181-186	11.3	22
40	Mass Flow Balances of Triclosan in Small Rural Wastewater Treatment Plants and the Impact of Biomass Parameters on the Removal. <i>Engineering in Life Sciences</i> , 2007 , 7, 42-51	3.4	22
39	Performance and stability of sewage sludge digestion under CO enrichment: A pilot study. <i>Bioresource Technology</i> , 2017 , 245, 581-589	11	21
38	Resource dependent biodegradation of estrogens and the role of ammonia oxidising and heterotrophic bacteria. <i>Journal of Hazardous Materials</i> , 2012 , 239-240, 56-63	12.8	21
37	Biological carbon dioxide utilisation in food waste anaerobic digesters. <i>Water Research</i> , 2015 , 87, 467-475	12.5	20
36	Mercury and antimony in wastewater: fate and treatment. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 89	2.6	20
35	Tube-side mass transfer for hollow fibre membrane contactors operated in the low Graetz range. <i>Journal of Membrane Science</i> , 2017 , 523, 235-246	9.6	20
34	Fate and behaviour of copper and zinc in secondary biological wastewater treatment processes: I. Evaluation of biomass adsorption capacity. <i>Environmental Technology (United Kingdom)</i> , 2010 , 31, 705-723	2.6	20
33	Influence of substrate on fouling in anoxic immersed membrane bioreactors. <i>Water Research</i> , 2007 , 41, 3859-67	12.5	20
32	Removal of an endocrine disrupting chemical (17alpha-ethinyloestradiol) from wastewater effluent by activated carbon adsorption: effects of activated carbon type and competitive adsorption. <i>Environmental Technology (United Kingdom)</i> , 2006 , 27, 1343-9	2.6	20
31	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	9.6	19

30	Bioconversion of carbon dioxide in anaerobic digesters for on-site carbon capture and biogas enhancement [A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2017 , 47, 1555-1580	11.1	19
29	Fate and behaviour of copper and zinc in secondary biological wastewater treatment processes: II. Removal at varying sludge age. <i>Environmental Technology (United Kingdom)</i> , 2010 , 31, 725-43	2.6	18
28	The significance of sample mass in the analysis of steroid estrogens in sewage sludges and the derivation of partition coefficients in wastewaters. <i>Journal of Chromatography A</i> , 2009 , 1216, 4923-6	4.5	18
27	The fate of steroid estrogens: partitioning during wastewater treatment and onto river sediments. <i>Environmental Monitoring and Assessment</i> , 2011 , 175, 431-41	3.1	17
26	Speciation and fate of copper in sewage treatment works with and without tertiary treatment: the effect of return flows. <i>Environmental Technology (United Kingdom)</i> , 2014 , 35, 1-9	2.6	16
25	The determination of nonylphenol and its precursors in a trickling filter wastewater treatment process. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 3243-53	4.4	15
24	Bromate analysis in groundwater and wastewater samples. <i>Journal of Environmental Monitoring</i> , 2005 , 7, 999-1006		15
23	Comparison of dead-end and continuous filtration conditions in a denitrification membrane bioreactor. <i>Journal of Membrane Science</i> , 2011 , 369, 167-173	9.6	14
22	Mesh rotating reactors for biofilm pre-treatment of wastewaters [Influence of media type on microbial activity, viability and performance. <i>Chemical Engineering Research and Design</i> , 2016 , 103, 69-75	5.5	14
21	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	13
20	A novel approach to the anaerobic treatment of municipal wastewater in temperate climates through primary sludge fortification. <i>Environmental Technology (United Kingdom)</i> , 2009 , 30, 985-94	2.6	13
19	Anaerobic treatment of fortified municipal wastewater in temperate climates. <i>Journal of Chemical Technology and Biotechnology</i> , 2013 , 88, 1280-1288	3.5	12
18	Application of ultra-performance liquid chromatography-tandem mass spectrometry for the determination of steroid oestrogens in wastewaters. <i>International Journal of Environmental Analytical Chemistry</i> , 2013 , 93, 1343-1355	1.8	11
17	Integrating anaerobic processes into wastewater treatment. <i>Water Science and Technology</i> , 2011 , 63, 1459-1466	2.2	11
16	Performance of permeable media rotating reactors used for pretreatment of wastewaters. <i>Water Science and Technology</i> , 2014 , 69, 1926-31	2.2	10
15	The pharmaceutical use of permethrin: sources and behavior during municipal sewage treatment. <i>Archives of Environmental Contamination and Toxicology</i> , 2011 , 61, 193-201	3.2	9
14	Investigating the in situ degradation of atrazine in groundwater. <i>Pest Management Science</i> , 2006 , 62, 299-306	4.6	9
13	Fate and occurrence of alkylphenolic compounds in sewage sludges determined by liquid chromatography tandem mass spectrometry. <i>Environmental Technology (United Kingdom)</i> , 2009 , 30, 1415-24	2.6	8

12	Selection of screw characteristics and operational boundary conditions to facilitate post-flush urine and faeces separation within single household sanitation systems. <i>Environmental Science: Water Research and Technology</i> , 2016 , 2, 953-964	4.2	8
11	Enhancing the anaerobic digestion process through carbon dioxide enrichment: initial insights into mechanisms of utilization. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 1744-1755	2.6	7
10	Methane Emissions from Aerated Zones in a Full-Scale Nitrifying Activated Sludge Treatment Plant. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	7
9	Mechanical sludge disintegration: providing an alternative carbon source for nutrient removal. <i>Environmental Technology (United Kingdom)</i> , 2007 , 28, 471-7	2.6	7
8	Removal Processes for Tributyltin During Municipal Wastewater Treatment. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	6
7	Biosolids recycling impact on biofilm extracellular enzyme activity and performance of hybrid rotating biological reactors. <i>Science of the Total Environment</i> , 2020 , 706, 135865	10.2	6
6	Biofilm Responses to Toxic Shocks in Closed Pipes: Using Nitrous Oxide Emissions as an Early Warning of Toxicity Ahead of a Wastewater Treatment Works. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	4
5	Diagnosis of an anaerobic pond treating temperate domestic wastewater: An alternative sludge strategy for small works. <i>Ecological Engineering</i> , 2014 , 63, 64-71	3.9	4
4	Removal of steroid estrogens from municipal wastewater in a pilot scale expanded granular sludge blanket reactor and anaerobic membrane bioreactor. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 415-21	2.6	2
3	The impact of hydraulic retention time on the performance of two configurations of anaerobic pond for municipal sewage treatment. <i>Environmental Technology (United Kingdom)</i> , 2021 , 1-14	2.6	2
2	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	4.2	1
1	Waste stabilisation ponds for anaerobic wastewater treatment. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2012 , 165, 201-213	0.9	1