

William P Clarke

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,033
citations

394421

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54
all docs

54
docs citations

54
times ranked

2563
citing authors

#	ARTICLE	IF	CITATIONS
1	Established full-scale applications for energy recovery from water: anaerobic digestion. , 2022, , 99-139.		2
2	Bottom ash from smouldered digestate and coconut coir as an alkalinity supplement for the anaerobic digestion of fruit waste. Chemosphere, 2022, 296, 134049.	8.2	12
3	Drivers of Anaerobic Methanogenesis in Sub-Tropical Reservoir Sediments. Frontiers in Environmental Science, 2022, 10, .	3.3	1
4	Transition of microbial communities and degradation pathways in anaerobic digestion at decreasing retention time. New Biotechnology, 2021, 60, 52-61.	4.4	22
5	Organic waste biorefineries: Looking towards implementation. Waste Management, 2020, 114, 274-286.	7.4	91
6	Influence of inoculum selection on the utilisation of volatile fatty acid and glucose in sulfate reducing reactors. Environmental Technology (United Kingdom), 2020, , 1-12.	2.2	1
7	Methodology to determine the extent of anaerobic digestion, composting and CH ₄ oxidation in a landfill environment. Waste Management, 2018, 76, 364-373.	7.4	14
8	The uptake of anaerobic digestion for the organic fraction of municipal solid waste “ Push versus pull factors. Bioresource Technology, 2018, 249, 1040-1043.	9.6	32
9	Pilot scale evaluation of a model to distinguish the rates of simultaneous anaerobic digestion, composting and methane oxidation in static waste beds. Waste Management, 2018, 71, 156-163.	7.4	9
10	Deterministic mechanisms define the long-term anaerobic digestion microbiome and its functionality regardless of the initial microbial community. Water Research, 2018, 141, 366-376.	11.3	82
11	A mass balance model to estimate the rate of composting, methane oxidation and anaerobic digestion in soil covers and shallow waste layers. Waste Management, 2017, 63, 196-202.	7.4	8
12	Methanotrophs: Methane Mitigation, Denitrification and Bioremediation. , 2017, , 19-40.		5
13	Critical analysis of hydrogen production from mixed culture fermentation under thermophilic condition (60°C). Applied Microbiology and Biotechnology, 2016, 100, 5165-5176.	3.6	4
14	Effect of biomass concentration on methane oxidation activity using mature compost and graphite granules as substrata. Waste Management, 2016, 56, 290-297.	7.4	6
15	Cycling of iodine by microalgae: Iodine uptake and release by a microalgae biofilm in a groundwater holding pond. Ecological Engineering, 2016, 94, 286-294.	3.6	18
16	Rapid digestion of shredded MSW by sequentially flooding and draining small landfill cells. Waste Management, 2016, 55, 12-21.	7.4	14
17	The use of food waste as a carbon source for on-site treatment of nutrient-rich blackwater from an office block. Environmental Technology (United Kingdom), 2016, 37, 2368-2378.	2.2	6
18	Changes in glucose fermentation pathways by an enriched bacterial culture in response to regulated dissolved H ₂ concentrations. Biotechnology and Bioengineering, 2015, 112, 1177-1186.	3.3	7

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19	Methane as a Resource: Can the Methanotrophs Add Value?. <i>Environmental Science & Technology</i> , 2015, 49, 4001-4018.	10.0	374
20	Fluctuation of dissolved heavy metal concentrations in the leachate from anaerobic digestion of municipal solid waste in commercial scale landfill bioreactors: The effect of pH and associated mechanisms. <i>Journal of Hazardous Materials</i> , 2015, 299, 577-583.	12.4	71
21	Stabilisation of microalgae: Iodine mobilisation under aerobic and anaerobic conditions. <i>Bioresource Technology</i> , 2015, 193, 219-226.	9.6	4
22	Soluble organic compounds in oil shale sour water are degradable only after being adsorbed to combusted oil shale. <i>Fuel</i> , 2014, 133, 270-275.	6.4	2
23	Composting of waste algae: A review. <i>Waste Management</i> , 2014, 34, 1148-1155.	7.4	89
24	Fate of pathogen indicators in a domestic blend of food waste and wastewater through a two-stage anaerobic digestion system. <i>Water Science and Technology</i> , 2013, 67, 366-373.	2.5	11
25	Experimental and theoretical investigation of diffusion processes in a membrane anaerobic reactor for bio-hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 5301-5311.	7.1	14
26	Anaerobic digestion of harvested aquatic weeds: water hyacinth (<i>Eichhornia crassipes</i>), cabomba (<i>Cabomba Caroliniana</i>) and salvinia (<i>Salvinia molesta</i>). <i>Ecological Engineering</i> , 2010, 36, 1459-1468.	3.6	98
27	Anaerobic digestion for the treatment of solid organic waste: what's hot and what's not. <i>Waste Management</i> , 2010, 30, 1761-1762.	7.4	17
28	The anaerobic degradability of thermoplastic starch: Polyvinyl alcohol blends: Potential biodegradable food packaging materials. <i>Bioresource Technology</i> , 2009, 100, 1705-1710.	9.6	115
29	The pursuit of fundamental research in waste management. <i>Waste Management</i> , 2009, 29, 1791-1792.	7.4	0
30	Cellulose hydrolysis by a methanogenic culture enriched from landfill waste in a semi-continuous reactor. <i>Bioresource Technology</i> , 2009, 100, 1268-1273.	9.6	18
31	Effect of biomass concentration and inoculum source on the rate of anaerobic cellulose solubilization. <i>Bioresource Technology</i> , 2009, 100, 5219-5225.	9.6	41
32	Removal of sulfate from high-strength wastewater by crystallisation. <i>Water Research</i> , 2009, 43, 762-772.	11.3	92
33	Effect of initial biomass on cellulose hydrolysis by leachate communities. <i>International Journal of Environment and Waste Management</i> , 2009, 3, 205.	0.3	0
34	Mathematical Modeling of Batch, Single Stage, Leach Bed Anaerobic Digestion of Organic Fraction of Municipal Solid Waste. <i>Energy Systems</i> , 2009, , 233-275.	0.5	3
35	Digestion of waste bananas to generate energy in Australia. <i>Waste Management</i> , 2008, 28, 527-533.	7.4	57
36	Measurement and quantification of sessile and planktonic microbial populations during the anaerobic digestion of cellulose. <i>Water Science and Technology</i> , 2008, 57, 465-469.	2.5	16

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37	Kinetics and dynamic modelling of batch anaerobic digestion of municipal solid waste in a stirred reactor. <i>Waste Management</i> , 2007, 27, 595-603.	7.4	178
38	Evaluation by respirometry of the loading capacity of a high rate vermicompost bed for treating sewage sludge. <i>Bioresource Technology</i> , 2007, 98, 2611-2618.	9.6	11
39	A survey of the relative abundance of specific groups of cellulose degrading bacteria in anaerobic environments using fluorescence in situ hybridization. <i>Journal of Applied Microbiology</i> , 2007, 103, 1332-1343.	3.1	14
40	Quantification of cellulase activity using cellulose-azure. <i>Talanta</i> , 2006, 69, 68-72.	5.5	12
41	Comparison of cellulose solubilisation rates in rumen and landfill leachate inoculated reactors. <i>Bioresource Technology</i> , 2006, 97, 2356-2363.	9.6	26
42	Concurrent microscopic observations and activity measurements of cellulose hydrolyzing and methanogenic populations during the batch anaerobic digestion of crystalline cellulose. <i>Biotechnology and Bioengineering</i> , 2005, 91, 369-378.	3.3	70
43	Structure of a cellulose degrading bacterial community during anaerobic digestion. <i>Biotechnology and Bioengineering</i> , 2005, 92, 871-878.	3.3	75
44	Sources of Hydrogen Sulfide in Groundwater on Reclaimed Land. <i>Journal of Environmental Engineering, ASCE</i> , 2005, 131, 471-477.	1.4	7
45	Identification, Detection, and Spatial Resolution of Clostridium Populations Responsible for Cellulose Degradation in a Methanogenic Landfill Leachate Bioreactor. <i>Applied and Environmental Microbiology</i> , 2004, 70, 2414-2419.	3.1	113
46	Characterizing The Physical And Chemical Properties of a Vermicompost Filter Bed. <i>Compost Science and Utilization</i> , 2004, 12, 383-391.	1.2	2
47	A dynamic mathematical model for sequential leach bed anaerobic digestion of organic fraction of municipal solid waste. <i>Biochemical Engineering Journal</i> , 2003, 13, 21-33.	3.6	20
48	Cellulolytic activity in leachate during leach-bed anaerobic digestion of municipal solid waste. <i>Bioresource Technology</i> , 2001, 80, 205-210.	9.6	33
49	Cost-benefit analysis of introducing technology to rapidly degrade municipal solid waste. <i>Waste Management and Research</i> , 2000, 18, 510-524.	3.9	8
50	Cost-benefit analysis of introducing technology to rapidly degrade municipal solid waste. <i>Waste Management and Research</i> , 2000, 18, 510-524.	3.9	25
51	Preliminary Determination of Pollutants Plume in Groundwater at Hazardous Solid Waste Disposal Site by Employing CPT and Rig. <i>Environmental Technology (United Kingdom)</i> , 2000, 21, 17-30.	2.2	2
52	Effect of recirculated leachate volume on MSW degradation. <i>Waste Management and Research</i> , 1998, 16, 564-573.	3.9	80
53	Simulation of salt migration in an oil shale dump subject to natural rainfall. <i>Fuel</i> , 1994, 73, 1617-1623.	6.4	1
54	Simulation of leachate quality from Rundle spent shale. <i>Fuel</i> , 1990, 69, 1095-1098.	6.4	0