

Craig Frear

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,937
citations

361413

20
h-index

501196

28
g-index

28
all docs

28
docs citations

28
times ranked

2777
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomethane production from whole and extracted algae biomass: Long-term performance evaluation and microbial community dynamics. <i>Renewable Energy</i> , 2021, 170, 38-48.	8.9	15
2	Effects of different antibiotic operation modes on anaerobic digestion of dairy manure: Focus on microbial population dynamics. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105521.	6.7	7
3	Accumulation of long-chain fatty acids from <i>Nannochloropsis salina</i> enhanced by breaking microalgae cell wall under alkaline digestion. <i>Renewable Energy</i> , 2020, 149, 691-700.	8.9	28
4	Biomethane Production from Pyrolytic Aqueous Phase: Biomass Acid Washing and Condensation Temperature Effect on the Bio-oil and Aqueous Phase Composition. <i>Bioenergy Research</i> , 2020, 13, 878-886.	3.9	11
5	pH shaped kinetic characteristics and microbial community of food waste hydrolysis and acidification. <i>Biochemical Engineering Journal</i> , 2019, 146, 52-59.	3.6	33
6	Kinetic and microbial analysis of methane production from dairy wastewater anaerobic digester under ammonia and salinity stresses. <i>Journal of Cleaner Production</i> , 2019, 219, 797-808.	9.3	44
7	Production and characterization of H ₂ S and PO ₄ ³⁻ carbonaceous adsorbents from anaerobic digested fibers. <i>Biomass and Bioenergy</i> , 2019, 120, 339-349.	5.7	27
8	Charcoal from anaerobically digested dairy fiber for removal of hydrogen sulfide within biogas. <i>Waste Management</i> , 2018, 76, 374-382.	7.4	23
9	Approaches for adding value to anaerobically digested dairy fiber. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 72, 254-268.	16.4	15
10	Recycling separated liquid-effluent to dilute feedstock in anaerobic digestion of dairy manure. <i>Energy</i> , 2017, 119, 1144-1151.	8.8	10
11	Consolidated bioprocessing of microalgal biomass to carboxylates by a mixed culture of cow rumen bacteria using anaerobic sequencing batch reactor (ASBR). <i>Bioresource Technology</i> , 2016, 222, 517-522.	9.6	12
12	Synthesis of Fe ₃ O ₄ /Polyacrylonitrile Composite Electrospun Nanofiber Mat for Effective Adsorption of Tetracycline. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14573-14583.	8.0	256
13	Ammonia recovery from anaerobic digester effluent through direct aeration. <i>Chemical Engineering Journal</i> , 2015, 279, 31-37.	12.7	75
14	Anaerobic digestion of C ₁ -C ₄ light oxygenated organic compounds derived from the torrefaction of lignocellulosic materials. <i>Fuel Processing Technology</i> , 2015, 131, 150-158.	7.2	20
15	Efficient anaerobic digestion of whole microalgae and lipid-extracted microalgae residues for methane energy production. <i>Bioresource Technology</i> , 2014, 161, 423-430.	9.6	136
16	Enhancing volatile fatty acid (VFA) and bio-methane production from lawn grass with pretreatment. <i>Bioresource Technology</i> , 2014, 162, 243-249.	9.6	60
17	Kinetics of psychrophilic anaerobic sequencing batch reactor treating flushed dairy manure. <i>Bioresource Technology</i> , 2013, 131, 6-12.	9.6	48
18	The effects of the antibiotics ampicillin, florfenicol, sulfamethazine, and tylosin on biogas production and their degradation efficiency during anaerobic digestion. <i>Bioresource Technology</i> , 2013, 149, 244-252.	9.6	160

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19	Multiphase modeling of settling and suspension in anaerobic digester. <i>Applied Energy</i> , 2013, 111, 28-39.	10.1	29
20	Methanosarcina domination in anaerobic sequencing batch reactor at short hydraulic retention time. <i>Bioresource Technology</i> , 2013, 137, 41-50.	9.6	44
21	A simple methodology for rate-limiting step determination for anaerobic digestion of complex substrates and effect of microbial community ratio. <i>Bioresource Technology</i> , 2013, 134, 391-395.	9.6	143
22	Effect of pyrolysis temperature on the yield and properties of bio-oils obtained from the auger pyrolysis of Douglas Fir wood. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012, 93, 52-62.	5.5	94
23	Biogas potential and microbial population distributions in flushed dairy manure and implications on anaerobic digestion technology. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 145-152.	3.2	21
24	Study of a two-stage growth of DHA-producing marine algae <i>Schizochytrium limacinum</i> SR21 with shifting dissolved oxygen level. <i>Applied Microbiology and Biotechnology</i> , 2009, 81, 1141-1148.	3.6	131
25	Kinetic modeling of enzymatic hydrolysis of cellulose in differently pretreated fibers from dairy manure. <i>Biotechnology and Bioengineering</i> , 2008, 101, 441-451.	3.3	56
26	Co-production of fumaric acid and chitin from a nitrogen-rich lignocellulosic material "dairy manure" using a pelletized filamentous fungus <i>Rhizopus oryzae</i> ATCC 20344. <i>Bioresource Technology</i> , 2008, 99, 5859-5866.	9.6	75
27	Anaerobic digestion of liquid dairy manure using a sequential continuous stirred tank reactor system. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 758-766.	3.2	32
28	A laboratory study of producing docosahexaenoic acid from biodiesel-waste glycerol by microalgal fermentation. <i>Process Biochemistry</i> , 2007, 42, 1537-1545.	3.7	332