

Joseph G Usack

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

945
citations

932766

10
h-index

887659

17
g-index

18
all docs

18
docs citations

18
times ranked

1060
citing authors

#	ARTICLE	IF	CITATIONS
1	The Measurement, Application, and Effect of Oxygen in Microbial Fermentations: Focusing on Methane and Carboxylate Production. <i>Fermentation</i> , 2022, 8, 138.	1.4	9
2	Near-neutral pH increased n-caprylate production in a microbiome with product inhibition of methanogenesis. <i>Chemical Engineering Journal</i> , 2022, 446, 137170.	6.6	13
3	Eco-Mimicry Opens New Doors for Bioprocess Engineers. <i>Joule</i> , 2020, 4, 2074-2077.	11.7	3
4	Systematic Analysis of Factors That Affect Food-Waste Storage: Toward Maximizing Lactate Accumulation for Resource Recovery. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13934-13944.	3.2	21
5	Granular sludge is a preferable inoculum for the biochemical methane potential assay for two complex substrates. <i>Bioresource Technology</i> , 2020, 309, 123359.	4.8	9
6	Integrating electrochemical, biological, physical, and thermochemical process units to expand the applicability of anaerobic digestion. <i>Bioresource Technology</i> , 2018, 247, 1085-1094.	4.8	49
7	Advances and Challenges at the Waste-to-Bioenergy/Biorefinery Nexus. <i>BioMed Research International</i> , 2018, 2018, 1-2.	0.9	8
8	Controlled experiment contradicts the apparent benefits of the Fenton reaction during anaerobic digestion at a municipal wastewater treatment plant. <i>Water Science and Technology</i> , 2018, 78, 1861-1870.	1.2	7
9	Coupling hydrothermal liquefaction and anaerobic digestion for energy valorization from model biomass feedstocks. <i>Bioresource Technology</i> , 2017, 233, 134-143.	4.8	146
10	Upgrading syngas fermentation effluent using <i>Clostridium kluyveri</i> in a continuous fermentation. <i>Biotechnology for Biofuels</i> , 2017, 10, 83.	6.2	94
11	Comparison of semi-batch vs. continuously fed anaerobic bioreactors for the treatment of a high-strength, solids-rich pumpkin-processing wastewater. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 1147-1157.	0.7843	10
12	Comparing the inhibitory thresholds of dairy manure co-digesters after prolonged acclimation periods: Part 2 – correlations between microbiomes and environment. <i>Water Research</i> , 2015, 87, 458-466.	5.3	33
13	Production and physiological responses of heat-stressed lactating dairy cattle to conductive cooling. <i>Journal of Dairy Science</i> , 2015, 98, 5252-5261.	1.4	37
14	Long-Term n-Caproic Acid Production from Yeast-Fermentation Beer in an Anaerobic Bioreactor with Continuous Product Extraction. <i>Environmental Science & Technology</i> , 2015, 49, 8012-8021.	4.6	195
15	Improved Design of Anaerobic Digesters for Household Biogas Production in Indonesia: One Cow, One Digester, and One Hour of Cooking per Day. <i>Scientific World Journal</i> , 2014, 2014, 1-8.	0.8	15
16	Continuously-stirred Anaerobic Digester to Convert Organic Wastes into Biogas: System Setup and Basic Operation. <i>Journal of Visualized Experiments</i> , 2012, , e3978.	0.2	11
17	Chain elongation with reactor microbiomes: upgrading dilute ethanol to medium-chain carboxylates. <i>Energy and Environmental Science</i> , 2012, 5, 8189.	15.6	290