

Joseph G Usack

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6156554/publications.pdf>

Version: 2024-02-01

17
papers

945
citations

933447

10
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

1060
citing authors

#	ARTICLE	IF	CITATIONS
1	Chain elongation with reactor microbiomes: upgrading dilute ethanol to medium-chain carboxylates. <i>Energy and Environmental Science</i> , 2012, 5, 8189.	30.8	290
2	Long-Term <i>n</i> -Caproic Acid Production from Yeast-Fermentation Beer in an Anaerobic Bioreactor with Continuous Product Extraction. <i>Environmental Science & Technology</i> , 2015, 49, 8012-8021.	10.0	195
3	Coupling hydrothermal liquefaction and anaerobic digestion for energy valorization from model biomass feedstocks. <i>Bioresource Technology</i> , 2017, 233, 134-143.	9.6	146
4	Upgrading syngas fermentation effluent using <i>Clostridium kluyveri</i> in a continuous fermentation. <i>Biotechnology for Biofuels</i> , 2017, 10, 83.	6.2	94
5	Integrating electrochemical, biological, physical, and thermochemical process units to expand the applicability of anaerobic digestion. <i>Bioresource Technology</i> , 2018, 247, 1085-1094.	9.6	49
6	Production and physiological responses of heat-stressed lactating dairy cattle to conductive cooling. <i>Journal of Dairy Science</i> , 2015, 98, 5252-5261.	3.4	37
7	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.	11.3	33
8	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.	6.7	21
9	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> , The, 2014, 2014, 1-8.	2.1	15
10	Near-neutral pH increased <i>n</i> -caprylate production in a microbiome with product inhibition of methanogenesis. <i>Chemical Engineering Journal</i> , 2022, 446, 137170.	12.7	13
11	Continuously-stirred Anaerobic Digester to Convert Organic Wastes into Biogas: System Setup and Basic Operation. <i>Journal of Visualized Experiments</i> , 2012, , e3978.	0.3	11
12	Granular sludge is a preferable inoculum for the biochemical methane potential assay for two complex substrates. <i>Bioresource Technology</i> , 2020, 309, 123359.	9.6	9
13	The Measurement, Application, and Effect of Oxygen in Microbial Fermentations: Focusing on Methane and Carboxylate Production. <i>Fermentation</i> , 2022, 8, 138.	3.0	9
14	Advances and Challenges at the Waste-to-Bioenergy/Biorefinery Nexus. <i>BioMed Research International</i> , 2018, 2018, 1-2.	1.9	8
15	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.	2.5	7
16	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> , 2022, 43(10), 1501-1513.	0.2	1
17	Eco-Mimicry Opens New Doors for Bioprocess Engineers. <i>Joule</i> , 2020, 4, 2074-2077.	24.0	3