

Liang Yu

List of Publications by Year in descending order

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2,010
citations

236925

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docs citations

43
times ranked

2586
citing authors

#	ARTICLE	IF	CITATIONS
1	Biorefinery Processing of Waste to Supply Cost-Effective and Sustainable Inputs for Two-Stage Microalgal Cultivation. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1485.	2.5	1
2	A kinetic model of heterotrophic and mixotrophic cultivation of the potential biofuel organism microalgae <i>Chlorella sorokiniana</i> . <i>Algal Research</i> , 2022, 64, 102701.	4.6	14
3	Experimental investigation of hydrodynamic parameters and bubble characteristics in CO ₂ absorption column using pure ionic liquid and binary mixtures: Effect of porous sparger and operating conditions. <i>Chemical Engineering Science</i> , 2021, 229, 116041.	3.8	12
4	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
5	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
6	Rational design of pore structures for carbon aerogels to significantly increase adsorption of tetracycline from water using batch and fixed-bed operation. <i>Environmental Science: Nano</i> , 2021, 8, 3250-3261.	4.3	7
7	Effects of increasing organic loading rates on reactor performance and the methanogenic community in a new pilot upflow solid reactor for continuously processing food waste. <i>Renewable Energy</i> , 2020, 153, 420-429.	8.9	5
8	Effect on anaerobic digestion performance of corn stover by freezing-thawing with ammonia pretreatment. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 200-207.	3.5	26
9	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
10	Different effects of ozone and aqueous ammonia in a combined pretreatment method on rice straw and dairy manure fiber for enhancing biomethane production. <i>Bioresource Technology</i> , 2019, 282, 275-284.	9.6	43
11	Closing ammonia loop in efficient biogas production: Recycling ammonia pretreatment of wheat straw. <i>Biosystems Engineering</i> , 2019, 180, 182-190.	4.3	24
12	Numerical modeling for characterization of CO ₂ bubble formation through submerged orifice in ionic liquids. <i>Chemical Engineering Research and Design</i> , 2019, 146, 104-116.	5.6	8
13	Simultaneous ammonia stripping and anaerobic digestion for efficient thermophilic conversion of dairy manure at high solids concentration. <i>Energy</i> , 2017, 141, 179-188.	8.8	36
14	UP Finder: A COBRA toolbox extension for identifying gene overexpression strategies for targeted overproduction. <i>Metabolic Engineering Communications</i> , 2017, 5, 54-59.	3.6	5
15	Computational fluid dynamics study on mixing mode and power consumption in anaerobic mono- and co-digestion. <i>Bioresource Technology</i> , 2016, 203, 166-172.	9.6	61
16	Enhancing ethanol production from thermophilic and mesophilic solid digestate using ozone combined with aqueous ammonia pretreatment. <i>Bioresource Technology</i> , 2016, 207, 52-58.	9.6	33
17	Computer-Assisted Rational Modifications to Improve the Thermostability of β -Glucosidase from <i>Penicillium piceum</i> H16. <i>Bioenergy Research</i> , 2015, 8, 1384-1390.	3.9	29
18	Brønsted-Lewis Acidic Ionic Liquids and Application in Oxidative Desulfurization of Diesel Fuel. <i>Energy & Fuels</i> , 2015, 29, 2998-3003.	5.1	80

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19	Mesophilic anaerobic co-digestion of cattle manure and corn stover with biological and chemical pretreatment. <i>Bioresource Technology</i> , 2015, 198, 431-436.	9.6	95
20	Direct quantification of fatty acids in wet microalgal and yeast biomass via a rapid in situ fatty acid methyl ester derivatization approach. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 10237-10247.	3.6	28
21	Extractive Desulfurization of Fuel Oils with Dicyano(nitroso)methanide-based Ionic Liquids. <i>Separation Science and Technology</i> , 2015, 50, 1166-1174.	2.5	28
22	Characterization of the Interactions between Polyethylene Glycol and Cellulase during the Hydrolysis of Lignocellulose. <i>Bioenergy Research</i> , 2015, 8, 270-278.	3.9	17
23	Simulation Study for Pneumatic Conveying Drying of Sawdust for Pellet Production. <i>Drying Technology</i> , 2014, 32, 1142-1156.	3.1	24
24	Isolation, characterization, and validation of oleaginous, multi-trophic, and haloalkaline-tolerant microalgae for two-stage cultivation. <i>Algal Research</i> , 2014, 4, 2-11.	4.6	33
25	Enhancing Biogas Production from Anaerobically Digested Wheat Straw Through Ammonia Pretreatment. <i>Chinese Journal of Chemical Engineering</i> , 2014, 22, 576-582.	3.5	33
26	Mixotrophic cultivation of a <i>Chlorella sorokiniana</i> strain for enhanced biomass and lipid production. <i>Biomass and Bioenergy</i> , 2014, 66, 204-213.	5.7	196
27	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
28	Kinetics of psychrophilic anaerobic sequencing batch reactor treating flushed dairy manure. <i>Bioresource Technology</i> , 2013, 131, 6-12.	9.6	48
29	Desulfurization of Real Fuel Oils by Extraction with Ionic Liquids. <i>Separation Science and Technology</i> , 2013, 48, 2582-2588.	2.5	19
30	Multiphase modeling of settling and suspension in anaerobic digester. <i>Applied Energy</i> , 2013, 111, 28-39.	10.1	29
31	Performances of anaerobic co-digestion of fruit & vegetable waste (FVW) and food waste (FW): Single-phase vs. two-phase. <i>Bioresource Technology</i> , 2013, 144, 80-85.	9.6	290
32	High productivity cultivation of a heat-resistant microalga <i>Chlorella sorokiniana</i> for biofuel production. <i>Bioresource Technology</i> , 2013, 131, 60-67.	9.6	120
33	<i>Methanosarcina</i> domination in anaerobic sequencing batch reactor at short hydraulic retention time. <i>Bioresource Technology</i> , 2013, 137, 41-50.	9.6	44
34	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
35	Numerical Simulation of Effect of Internals on Slugging Fluidization and Analysis of Nonuniformity Index. <i>International Journal of Chemical Reactor Engineering</i> , 2012, 10, .	1.1	0
36	Experimental and modeling study of a two-stage pilot scale high solid anaerobic digester system. <i>Bioresource Technology</i> , 2012, 124, 8-17.	9.6	28

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37	Hydrodynamic and kinetic study of cellulase production by <i>Trichoderma reesei</i> with pellet morphology. <i>Biotechnology and Bioengineering</i> , 2012, 109, 1755-1768.	3.3	23
38	Numerical simulation of mechanical mixing in high solid anaerobic digester. <i>Bioresource Technology</i> , 2011, 102, 1012-1018.	9.6	72
39	Analysis and optimization of ammonia stripping using multi-fluid model. <i>Water Science and Technology</i> , 2011, 63, 1143-1152.	2.5	14
40	Numerical simulation of single bubble motion in ionic liquids. <i>Chemical Engineering Science</i> , 2010, 65, 6036-6047.	3.8	36
41	Two fluid model using kinetic theory for modeling of one-step hydrogen production gasifier. <i>AIChE Journal</i> , 2008, 54, 2833-2851.	3.6	7
42	Numerical simulation of the bubbling fluidized bed coal gasification by the kinetic theory of granular flow (KTGF). <i>Fuel</i> , 2007, 86, 722-734.	6.4	137
43	Mathematical Modeling in Anaerobic Digestion (AD). <i>Journal of Bioremediation & Biodegradation</i> , 0, s4, .	0.5	47