

Lingkan Ding

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,109
citations

236833

25
h-index

330025

37
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39
docs citations

39
times ranked

1811
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved efficiency of anaerobic digestion through direct interspecies electron transfer at mesophilic and thermophilic temperature ranges. <i>Chemical Engineering Journal</i> , 2018, 350, 681-691.	6.6	168
2	Enhanced dark hydrogen fermentation by addition of ferric oxide nanoparticles using <i>Enterobacter aerogenes</i> . <i>Bioresource Technology</i> , 2016, 207, 213-219.	4.8	162
3	Investigating hydrothermal pretreatment of food waste for two-stage fermentative hydrogen and methane co-production. <i>Bioresource Technology</i> , 2017, 241, 491-499.	4.8	144
4	Improving hydrogen and methane co-generation in cascading dark fermentation and anaerobic digestion: The effect of magnetite nanoparticles on microbial electron transfer and syntrophism. <i>Chemical Engineering Journal</i> , 2020, 397, 125394.	6.6	123
5	Fermentative hydrogen production using algal biomass as feedstock. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 51, 209-230.	8.2	115
6	Characterisation of water hyacinth with microwave-heated alkali pretreatment for enhanced enzymatic digestibility and hydrogen/methane fermentation. <i>Bioresource Technology</i> , 2015, 182, 1-7.	4.8	103
7	Enhancement of energy production efficiency from mixed biomass of <i>Chlorella pyrenoidosa</i> and cassava starch through combined hydrogen fermentation and methanogenesis. <i>Applied Energy</i> , 2014, 120, 23-30.	5.1	91
8	Inhibitory effects of furan derivatives and phenolic compounds on dark hydrogen fermentation. <i>Bioresource Technology</i> , 2015, 196, 250-255.	4.8	89
9	Co-generation of biohydrogen and biomethane through two-stage batch co-fermentation of macro- and micro-algal biomass. <i>Bioresource Technology</i> , 2016, 218, 224-231.	4.8	88
10	Fermentative biohydrogen and biomethane co-production from mixture of food waste and sewage sludge: Effects of physiochemical properties and mix ratios on fermentation performance. <i>Applied Energy</i> , 2016, 184, 1-8.	5.1	87
11	Improving gaseous biofuel production from seaweed <i>Saccharina latissima</i> : The effect of hydrothermal pretreatment on energy efficiency. <i>Energy Conversion and Management</i> , 2019, 196, 1385-1394.	4.4	78
12	Improvement of the energy conversion efficiency of <i>Chlorella pyrenoidosa</i> biomass by a three-stage process comprising dark fermentation, photofermentation, and methanogenesis. <i>Bioresource Technology</i> , 2013, 146, 436-443.	4.8	73
13	Substrate consumption and hydrogen production via co-fermentation of monomers derived from carbohydrates and proteins in biomass wastes. <i>Applied Energy</i> , 2015, 139, 9-16.	5.1	68
14	Improving fermentative hydrogen and methane production from an algal bloom through hydrothermal/steam acid pretreatment. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 5812-5820.	3.8	60
15	Hydrogen production using amino acids obtained by protein degradation in waste biomass by combined dark- and photo-fermentation. <i>Bioresource Technology</i> , 2015, 179, 13-19.	4.8	59
16	Fermentative hydrogen and methane cogeneration from cassava residues: Effect of pretreatment on structural characterization and fermentation performance. <i>Bioresource Technology</i> , 2015, 179, 407-413.	4.8	57
17	Improving biohydrogen and biomethane co-production via two-stage dark fermentation and anaerobic digestion of the pretreated seaweed <i>Laminaria digitata</i> . <i>Journal of Cleaner Production</i> , 2020, 251, 119666.	4.6	56
18	Subcritical water hydrolysis of rice straw for reducing sugar production with focus on degradation by-products and kinetic analysis. <i>Bioresource Technology</i> , 2015, 186, 8-14.	4.8	52

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19	Physicochemical characterization of typical municipal solid wastes for fermentative hydrogen and methane co-production. <i>Energy Conversion and Management</i> , 2016, 117, 297-304.	4.4	51
20	Three-stage gaseous biofuel production combining dark hydrogen, photo hydrogen, and methane fermentation using wet <i>Arthrospira platensis</i> cultivated under high CO ₂ and sodium stress. <i>Energy Conversion and Management</i> , 2017, 148, 394-404.	4.4	41
21	Enhanced energy recovery from cassava ethanol wastewater through sequential dark hydrogen, photo hydrogen and methane fermentation combined with ammonium removal. <i>Bioresource Technology</i> , 2016, 214, 686-691.	4.8	39
22	Improving biohydrogen production through dark fermentation of steam-heated acid pretreated <i>Alternanthera philoxeroides</i> by mutant <i>Enterobacter aerogenes</i> ZJU1. <i>Science of the Total Environment</i> , 2020, 716, 134695.	3.9	39
23	Assessment of continuous fermentative hydrogen and methane co-production using macro- and micro-algae with increasing organic loading rate. <i>Energy</i> , 2018, 151, 760-770.	4.5	32
24	Effects of changes in microbial community on the fermentative production of hydrogen and soluble metabolites from <i>Chlorella pyrenoidosa</i> biomass in semi-continuous operation. <i>Energy</i> , 2014, 68, 982-988.	4.5	30
25	Enhanced dark hydrogen fermentation of <i>Enterobacter aerogenes</i> /HoxEFUYH with carbon cloth. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 3560-3568.	3.8	28
26	Improving treatment capacity and process stability via a two-stage anaerobic digestion of food waste combining solid-state acidogenesis and leachate methanogenesis/recirculation. <i>Journal of Cleaner Production</i> , 2021, 279, 123644.	4.6	24
27	Sodium borohydride removes aldehyde inhibitors for enhancing biohydrogen fermentation. <i>Bioresource Technology</i> , 2015, 197, 323-328.	4.8	20
28	Fermentative hydrogen and methane co-production from pretreated <i>Spartina anglica</i> biomass with optimal saccharification effect under acid/alkali-assisted steam/microwave heating and enzymolysis. <i>Energy Conversion and Management</i> , 2016, 127, 554-560.	4.4	20
29	Enhanced hydrogen production of <i>Enterobacter aerogenes</i> mutated by nuclear irradiation. <i>Bioresource Technology</i> , 2017, 227, 50-55.	4.8	18
30	Electrochemical mitigation of hydrogen sulfide in deep-pit swine manure storage. <i>Science of the Total Environment</i> , 2021, 777, 146048.	3.9	18
31	Combination of hydrogen fermentation and methanogenesis to enhance energy conversion efficiency from trehalose. <i>Energy</i> , 2013, 55, 631-637.	4.5	16
32	Effects of harvest month on biochemical composition of alligator weed for biohydrogen and biomethane cogeneration ¹⁴ Identifying critical variations in microbial communities. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 4161-4173.	3.8	16
33	Simultaneous phosphorus recovery, sulfide removal, and biogas production improvement in electrochemically assisted anaerobic digestion of dairy manure. <i>Science of the Total Environment</i> , 2021, 777, 146226.	3.9	14
34	Inhibitory effects of furfural and vanillin on two-stage gaseous biofuel fermentation. <i>Fuel</i> , 2019, 252, 350-359.	3.4	10
35	Low-voltage electrochemical treatment to precipitate sulfide during anaerobic digestion of beet sugar wastewater. <i>Science of the Total Environment</i> , 2020, 747, 141243.	3.9	10
36	Improving fermentative hydrogen production from water hyacinth with genetically modified bacteria. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1296-1300.	1.3	8

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37	Facilitating solid-state anaerobic digestion of food waste via bio-electrochemical treatment. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 166, 112637.	8.2	2
38	Hybrid technologies for enhanced microbial fermentation process for production of bioenergy and biochemicals. , 2022, , 317-342.		0