

Chiu-Yue Lin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

117
papers

5,472
citations

44
h-index

70
g-index

125
ext. papers

6,054
ext. citations

6.6
avg, IF

6.08
L-index

#	Paper	IF	Citations
117	Effect of pH shock on single-stage biohythane production using gel-entrapped anaerobic microorganisms. <i>International Journal of Hydrogen Energy</i> , 2021 , 47, 3679-3679	6.7	1
116	Comparison of Potential Environmental Impacts and Waste-to-Energy Efficiency for Kitchen Waste Treatment Scenarios in Central Taiwan. <i>Processes</i> , 2021 , 9, 696	2.9	1
115	Converting waste molasses liquor into biohydrogen via dark fermentation using a continuous bioreactor. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 16546-16554	6.7	5
114	Optimization of Hydrolysis-Acidogenesis Phase of Swine Manure for Biogas Production Using Two-Stage Anaerobic Fermentation. <i>Processes</i> , 2021 , 9, 1324	2.9	25
113	Effect of food to microorganisms (F/M) ratio on biohythane production via single-stage dark fermentation. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 11313-11324	6.7	14
112	Biogas production from beverage factory wastewater in a mobile bioenergy station. <i>Chemosphere</i> , 2021 , 264, 128564	8.4	9
111	Biohythane production via single-stage anaerobic fermentation using entrapped hydrogenic and methanogenic bacteria. <i>Bioresource Technology</i> , 2020 , 300, 122702	11	20
110	Biohythane production via single-stage fermentation using gel-entrapped anaerobic microorganisms: Effect of hydraulic retention time. <i>Bioresource Technology</i> , 2020 , 317, 123986	11	7
109	Anaerobic Biohydrogen Production Using Rice Husk-Based Biologics. <i>Waste and Biomass Valorization</i> , 2020 , 11, 1059-1068	3.2	3
108	Biohydrogen Production From Beverage Wastewater Using Selectively Enriched Mixed Culture. <i>Waste and Biomass Valorization</i> , 2020 , 11, 1049-1058	3.2	12
107	Thermophilic Biohydrogen Fermentation of Kitchen Waste. <i>Waste and Biomass Valorization</i> , 2020 , 11, 1041-1047	3.2	3
106	Recent trends and prospects in biohythane research: An overview. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 5864-5873	6.7	16
105	Biohydrogen Production Perspectives from Organic Waste with Focus on Asia 2019 , 413-435		1
104	Anaerobic hydrogen and methane production from low-strength beverage wastewater. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 14351-14361	6.7	31
103	Microalgae cultivation using biogas and digestate carbon sources. <i>Biomass and Bioenergy</i> , 2019 , 122, 426-432	5.3	23
102	Effects of hydraulic retention time on biohythane production via single-stage anaerobic fermentation in a two-compartment bioreactor. <i>Bioresource Technology</i> , 2019 , 292, 121869	11	19
101	Exploitation of de-oiled jatropha waste for gold nanoparticles synthesis: A green approach. <i>Arabian Journal of Chemistry</i> , 2018 , 11, 247-255	5.9	42

100	Biomass based hydrogen production by dark fermentation-recent trends and opportunities for greener processes. <i>Current Opinion in Biotechnology</i> , 2018 , 50, 136-145	11.4	76
99	Fermentative biohydrogen production and its byproducts: A mini review of current technology developments. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 4215-4220	16.2	47
98	Enhancement of fermentative biohydrogen production from textile desizing wastewater via coagulation-pretreatment. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 12153-12158	6.7	26
97	Research perspectives on constraints, prospects and opportunities in biohydrogen production. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 27471-27481	6.7	61
96	Anaerobic hydrogen production from unhydrolyzed mushroom farm waste by indigenous microbiota. <i>Journal of Bioscience and Bioengineering</i> , 2017 , 124, 425-429	3.3	9
95	Industrialization roadmap model for fermentative hydrogen production from biomass in Taiwan. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 27460-27470	6.7	3
94	Electrochemical Treatment of Heavy Metal-containing Wastewater with the Removal of COD and Heavy Metal Ions. <i>Journal of the Chinese Chemical Society</i> , 2017 , 64, 493-502	1.5	58
93	Mesophilic continuous fermentative hydrogen production from acid pretreated de-oiled jatropha waste hydrolysate using immobilized microorganisms. <i>Bioresource Technology</i> , 2017 , 240, 137-143	11	32
92	Starch-containing textile wastewater treatment for biogas and microalgae biomass production. <i>Journal of Cleaner Production</i> , 2017 , 168, 331-337	10.3	38
91	Continuous biohydrogen production from coagulation-pretreated textile desizing wastewater. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 29159-29165	6.7	14
90	Hydrogen production from beverage wastewater via dark fermentation and room-temperature methane reforming. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 21736-21746	6.7	13
89	Recent insights into the cell immobilization technology applied for dark fermentative hydrogen production. <i>Bioresource Technology</i> , 2016 , 219, 725-737	11	123
88	Effect of concentration on biohydrogen production in a continuous stirred bioreactor using biofilm induced packed-carrier. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 21649-21656	6.7	9
87	Electricity generation comparison of food waste-based bioenergy with wind and solar powers: A mini review. <i>Sustainable Environment Research</i> , 2016 , 26, 197-202	3.8	25
86	Batch and continuous biogenic hydrogen fermentation of acid pretreated de-oiled jatropha waste (DJW) hydrolysate. <i>RSC Advances</i> , 2016 , 6, 45482-45491	3.7	6
85	Biohydrogen production in an anaerobic baffled stacking reactor: Recirculation strategy and substrate concentration effects. <i>Biochemical Engineering Journal</i> , 2016 , 109, 59-64	4.2	16
84	Waste-to-wealth for valorization of food waste to hydrogen and methane towards creating a sustainable ideal source of bioenergy. <i>Journal of Cleaner Production</i> , 2016 , 122, 29-41	10.3	57
83	Enhanced biohydrogen production from beverage wastewater: process performance during various hydraulic retention times and their microbial insights. <i>RSC Advances</i> , 2016 , 6, 4160-4169	3.7	29

82	Commercialization model of hydrogen production technology in Taiwan: Dark fermentation technology applications. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 4489-4497	6.7	18
81	Biohydrogen Production from Mushroom Cultivation Waste by Anaerobic Solid-state Fermentation. <i>Journal of the Chinese Chemical Society</i> , 2016 , 63, 199-204	1.5	9
80	Continuous anaerobic hydrogen and methane production using water hyacinth feedstock. <i>Arabian Journal for Science and Engineering</i> , 2016 , 41, 2563-2571		8
79	High rate hydrogen fermentation of cello-lignin fraction in de-oiled jatropha waste using hybrid immobilized cell system. <i>Fuel</i> , 2016 , 182, 131-140	7.1	29
78	Fe ₃ O ₄ -modified carbon cloth electrode for microbial fuel cells from organic wastewaters. <i>Desalination and Water Treatment</i> , 2016 , 57, 29371-29376		5
77	An overview of food waste management in developing countries: Current status and future perspective. <i>Journal of Environmental Management</i> , 2015 , 157, 220-9	7.9	23 ^o
76	High-rate fermentative hydrogen production from beverage wastewater. <i>Applied Energy</i> , 2015 , 147, 1-9	10.7	73
75	Enhanced biohydrogen production from beverage industrial wastewater using external nitrogen sources and bioaugmentation with facultative anaerobic strains. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 120, 155-60	3.3	55
74	Biohydrogen production by dark fermentation: scaling-up and technologies integration for a sustainable system. <i>Reviews in Environmental Science and Biotechnology</i> , 2015 , 14, 761-785	13.9	77
73	Modeling and Optimization of Biohydrogen Production from De-oiled Jatropha Using the Response Surface Method. <i>Arabian Journal for Science and Engineering</i> , 2015 , 40, 15-22		22
72	Fermentative Hydrogen and Methane Productions from Organic Wastes: a Review. <i>Current Biochemical Engineering</i> , 2015 , 3, 16-23	2	7
71	Comparative evaluation of hydrogen fermentation of de-oiled Jatropha waste hydrolyzates. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 10766-10774	6.7	21
70	Batch fermentative hydrogen production by enriched mixed culture: Combination strategy and their microbial composition. <i>Journal of Bioscience and Bioengineering</i> , 2014 , 117, 222-228	3.3	66
69	Development of Green Energy Waste Activated Carbon for Removal of Trivalent Chromium: Equilibrium and Kinetic Modeling. <i>Separation Science and Technology</i> , 2014 , 49, 513-522	2.5	11
68	Hydrogen and ethanol fermentation of various carbon sources by immobilized Escherichia coli (XL1-Blue). <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 6881-6888	6.7	32
67	Overcoming propionic acid inhibition of hydrogen fermentation by temperature shift strategy. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 19232-19241	6.7	66
66	Biogenic hydrogen conversion of de-oiled jatropha waste via anaerobic sequencing batch reactor operation: process performance, microbial insights, and CO ₂ reduction efficiency. <i>Scientific World Journal, The</i> , 2014 , 2014, 946503	2.2	16
65	Enhancement of Fermentative Hydrogen Production from Beverage Wastewater via Bioaugmentation and Statistical Optimization. <i>Current Biochemical Engineering</i> , 2014 , 1, 92-98	2	23

64	Food Waste to Bioenergy via Anaerobic Processes. <i>Energy Procedia</i> , 2014 , 61, 307-312	2.3	55
63	Development of a Novel Hybrid Immobilization Material (HY-IM) for Fermentative Biohydrogen Production from Beverage Wastewater. <i>Journal of the Chinese Chemical Society</i> , 2014 , 61, 827-830	1.5	32
62	Biohydrogen Production from Textile Wastewater by Mixed Microflora in an Intermittent-flow, Stirred Tank Reactor: Effect of Feeding Frequency. <i>Journal of the Chinese Chemical Society</i> , 2014 , 61, 791-796	1.5	8
61	Scale-up and Commercial Applications of Biohydrogen Production Processes 2013 , 339-352		
60	Effect of substrate concentration and pH on biohydrogen production kinetics from food industry wastewater by mixed culture. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 15849-15855	6.7	39
59	Co-fermentation of water hyacinth and beverage wastewater in powder and pellet form for hydrogen production. <i>Bioresource Technology</i> , 2013 , 135, 610-5	11	45
58	Roles of organic acids during exectrooxidation reaction over Pt-supported carbon electrodes in direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 12984-12990	6.7	5
57	Sustainable bioenergy production from tofu-processing wastewater by anaerobic hydrogen fermentation for onsite energy recovery. <i>Renewable Energy</i> , 2013 , 58, 60-67	8.1	31
56	Pretreatment and hydrolysis methods for recovery of fermentable sugars from de-oiled Jatropha waste. <i>Bioresource Technology</i> , 2013 , 145, 275-9	11	49
55	Bioconversion of de-oiled Jatropha Waste (DJW) to hydrogen and methane gas by anaerobic fermentation: Influence of substrate concentration, temperature and pH. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 63-72	6.7	50
54	Simultaneous hydrogen and ethanol production from sweet potato via dark fermentation. <i>Journal of Cleaner Production</i> , 2012 , 27, 155-164	10.3	44
53	Fermentative bioenergy production from distillers grains using mixed microflora. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 15547-15555	6.7	21
52	Fermentative hydrogen production from wastewaters: A review and prognosis. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 15632-15642	6.7	211
51	Optimizing biohydrogen production from mushroom cultivation waste using anaerobic mixed cultures. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 16473-16478	6.7	30
50	Seed inocula for biohydrogen production from biodiesel solid residues. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 15489-15495	6.7	29
49	Hydrogenic and methanogenic fermentation of birch and conifer pulps. <i>Applied Energy</i> , 2012 , 100, 58-65	10.7	33
48	Direct fermentation of sweet potato to produce maximal hydrogen and ethanol. <i>Applied Energy</i> , 2012 , 100, 10-18	10.7	42
47	Fermentative biohydrogen production from starch-containing textile wastewater. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 2050-2057	6.7	38

46	Biohydrogen production from immobilized cells and suspended sludge systems with condensed molasses fermentation solubles. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 14078-14085	6.7	39
45	Hydrogen production by the anaerobic fermentation from acid hydrolyzed rice straw hydrolysate. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 14280-14288	6.7	62
44	Enhancing the performance of pilot-scale fermentative hydrogen production by proper combinations of HRT and substrate concentration. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 14289-14294	6.7	28
43	Biohydrogen and biomethane from water hyacinth (<i>Eichhornia crassipes</i>) fermentation: Effects of substrate concentration and incubation temperature. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 14195-14203	6.7	87
42	Quantitative analysis of microorganism composition in a pilot-scale fermentative biohydrogen production system. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 14153-14161	6.7	27
41	Performance and population analysis of hydrogen production from sugarcane juice by non-sterile continuous stirred tank reactor augmented with <i>Clostridium butyricum</i> . <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 8697-8703	6.7	45
40	A pilot-scale high-rate biohydrogen production system with mixed microflora. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 8758-8764	6.7	77
39	Phase holdups and microbial community in high-rate fermentative hydrogen bioreactors. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 364-373	6.7	21
38	Research and Development of Biohydrogen Production in Taiwan 2010 , 331-344		1
37	Biohydrogen production from soluble condensed molasses fermentation using anaerobic fermentation. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 13445-13451	6.7	90
36	<i>Clostridium</i> strain co-cultures for biohydrogen production enhancement from condensed molasses fermentation solubles. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 7173-7181	6.7	51
35	Bioprospecting Thermophilic Microorganisms from Icelandic Hot Springs for Hydrogen and Ethanol Production <i>Energy & Fuels</i> , 2008 , 22, 134-140	4.1	44
34	Application of the Clustering Hybrid Regression Approach to Model Xylose-Based Fermentative Hydrogen Production <i>Energy & Fuels</i> , 2008 , 22, 128-133	4.1	1
33	Dark Fermentative Hydrogen Production from Xylose in Different Bioreactors Using Sewage Sludge Microflora. <i>Energy & Fuels</i> , 2008 , 22, 113-119	4.1	44
32	Heavy metal effects on fermentative hydrogen production using natural mixed microflora. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 587-593	6.7	75
31	Application of <i>Clostridium</i> -specific PCR primers on the analysis of dark fermentation hydrogen-producing bacterial community. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 1586-1592	6.7	47
30	Exploring optimal environmental factors for fermentative hydrogen production from starch using mixed anaerobic microflora. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 1565-1572	6.7	131
29	High-efficiency hydrogen production by an anaerobic, thermophilic enrichment culture from an Icelandic hot spring. <i>Biotechnology and Bioengineering</i> , 2008 , 101, 665-78	4.9	51

28	Effect of cultivation temperature on fermentative hydrogen production from xylose by a mixed culture. <i>Biomass and Bioenergy</i> , 2008 , 32, 1109-1115	5.3	35
27	Microbial community structure of a starch-feeding fermentative hydrogen production reactor operated under different incubation conditions. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 5242-5249	6.7	63
26	Mesophilic degradation of butyric acid in anaerobic digestion. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 56, 191-194	3.5	7
25	Integration of fermentative hydrogen process and fuel cell for on-line electricity generation. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 802-808	6.7	45
24	Sulfate effect on fermentative hydrogen production using anaerobic mixed microflora. <i>International Journal of Hydrogen Energy</i> , 2006 , 31, 953-960	6.7	50
23	Fermentative hydrogen production from xylose using anaerobic mixed microflora. <i>International Journal of Hydrogen Energy</i> , 2006 , 31, 832-840	6.7	142
22	Biohydrogen production from sucrose using base-enriched anaerobic mixed microflora. <i>Process Biochemistry</i> , 2006 , 41, 915-919	4.8	72
21	Effects of initial cultivation pH on fermentative hydrogen production from xylose using natural mixed cultures. <i>Process Biochemistry</i> , 2006 , 41, 1383-1390	4.8	86
20	A nutrient formulation for fermentative hydrogen production using anaerobic sewage sludge microflora. <i>International Journal of Hydrogen Energy</i> , 2005 , 30, 285-292	6.7	215
19	Carbon/nitrogen-ratio effect on fermentative hydrogen production by mixed microflora. <i>International Journal of Hydrogen Energy</i> , 2004 , 29, 41-45	6.7	275
18	Effects of carbonate and phosphate concentrations on hydrogen production using anaerobic sewage sludge microflora. <i>International Journal of Hydrogen Energy</i> , 2004 , 29, 275-281	6.7	179
17	Hydrogen production from sucrose using an anaerobic sequencing batch reactor process. <i>Journal of Chemical Technology and Biotechnology</i> , 2003 , 78, 678-684	3.5	68
16	Acid-base enrichment enhances anaerobic hydrogen production process. <i>Applied Microbiology and Biotechnology</i> , 2002 , 58, 224-8	5.7	255
15	Effect of thermal and chemical pretreatments on anaerobic ammonium removal in treating septage using the UASB system. <i>Bioresource Technology</i> , 2002 , 83, 259-61	11	17
14	Removal of pollutants from wastewater by coal bottom ash. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2002 , 37, 1509-22	2.3	31
13	Removal of hydrogen sulfide gas and landfill leachate treatment using coal bottom ash. <i>Journal of the Air and Waste Management Association</i> , 2001 , 51, 939-45	2.4	11
12	Toxic effect of sulfur compounds on anaerobic biogranule. <i>Journal of Hazardous Materials</i> , 2001 , 87, 11-21	12.8	8
11	Co-digestion of leachate with septage using a UASB reactor. <i>Bioresource Technology</i> , 2000 , 73, 175-178	11	48

10	Anaerobic co-digestion of septage and landfill leachate. <i>Bioresource Technology</i> , 1999 , 68, 275-282	11	13
9	Sensitivity of anaerobic sludge biogranule to sulfur compounds. <i>Biotechnology Letters</i> , 1999 , 21, 421-423		2
8	Hydrogen production during the anaerobic acidogenic conversion of glucose. <i>Journal of Chemical Technology and Biotechnology</i> , 1999 , 74, 498-500	3.5	149
7	Effect of heavy metals on the methanogenic UASB granule. <i>Water Research</i> , 1999 , 33, 409-416	12.5	78
6	Toxicity-resistance of sludge biogranules to heavy metals. <i>Biotechnology Letters</i> , 1997 , 19, 557-560	3	11
5	Effect of heavy metals on acidogenesis in anaerobic digestion. <i>Water Research</i> , 1993 , 27, 147-152	12.5	100
4	Effect of heavy metals on volatile fatty acid degradation in anaerobic digestion. <i>Water Research</i> , 1992 , 26, 177-183	12.5	90
3	Methanogenic digestion using mixed substrate of acetic, propionic and butyric acids. <i>Water Research</i> , 1986 , 20, 385-394	12.5	53
2	Improved microbial conversion of de-oiled <i>Jatropha</i> waste into biohydrogen via inoculum pretreatment: process optimization by experimental design approach. <i>Biofuel Research Journal</i> , 209-214	13.9	38
1	Exploring the environmental and economic potential for biogas production from swine manure wastewater by life cycle assessment. <i>Clean Technologies and Environmental Policy</i> , 1	4.3	2