

# Sureewan Sittijunda

## List of Publications by Citations

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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.

80  
papers

2,032  
citations

26  
h-index

41  
g-index

86  
ext. papers

2,392  
ext. citations

5.5  
avg, IF

5.64  
L-index

#	Paper	IF	Citations
80	Bio-hydrogen production from the fermentation of sugarcane bagasse hydrolysate by <i>Clostridium butyricum</i> . <i>International Journal of Hydrogen Energy</i> , <b>2008</b> , 33, 5256-5265	6.7	251
79	Biohydrogen production from sugarcane bagasse hydrolysate by elephant dung: Effects of initial pH and substrate concentration. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 8687-8696	6.7	93
78	Optimization of key factors affecting hydrogen production from food waste by anaerobic mixed cultures. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 14120-14133	6.7	77
77	Co-digestion of food waste and sludge for hydrogen production by anaerobic mixed cultures: Statistical key factors optimization. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 14227-14237	6.7	75
76	Biochemical hydrogen and methane potential of sugarcane syrup using a two-stage anaerobic fermentation process. <i>Industrial Crops and Products</i> , <b>2016</b> , 82, 88-99	5.9	62
75	Optimization of biohydrogen production from sweet sorghum syrup using statistical methods. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 13435-13444	6.7	62
74	Effect of acid, heat and combined acid-heat pretreatments of anaerobic sludge on hydrogen production by anaerobic mixed cultures. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 6146-6153	6.7	56
73	Direct integration of CSTR-UASB reactors for two-stage hydrogen and methane production from sugarcane syrup. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 17884-17895	6.7	52
72	Non-sterile bio-hydrogen fermentation from food waste in a continuous stirred tank reactor (CSTR): Performance and population analysis. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 15630-15637	6.7	50
71	Enhanced bio-hydrogen production from sugarcane juice by immobilized <i>Clostridium butyricum</i> on sugarcane bagasse. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 15525-15532	6.7	49
70	Biological hydrogen production from sweet sorghum syrup by mixed cultures using an anaerobic sequencing batch reactor (ASBR). <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 8765-8773	6.7	49
69	Biohydrogen production from xylose by <i>Thermoanaerobacterium thermosaccharolyticum</i> KKU19 isolated from hot spring sediment. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 12219-12228	6.7	46
68	Optimization of fermentative hydrogen production from hydrolysate of microwave assisted sulfuric acid pretreated oil palm trunk by hot spring enriched culture. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 14204-14216	6.7	45
67	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> , <b>2011</b> , 36, 8697-8703	6.7	45
66	Bio-hydrogen production from glycerol by immobilized <i>Enterobacter aerogenes</i> ATCC 13048 on heat-treated UASB granules as affected by organic loading rate. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 6970-6979	6.7	40
65	Photo-fermentational hydrogen production of <i>Rhodobacter</i> sp. KKU-PS1 isolated from an UASB reactor. <i>Electronic Journal of Biotechnology</i> , <b>2015</b> , 18, 221-230	3.1	39
64	Optimization of Key Factors Affecting Methane Production from Acidic Effluent Coming from the Sugarcane Juice Hydrogen Fermentation Process. <i>Energies</i> , <b>2012</b> , 5, 4746-4757	3.1	38

63	Simultaneous production of hydrogen and ethanol from waste glycerol by <i>Enterobacter aerogenes</i> KKU-S1. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 1813-1825	6.7	36
62	Biohydrogen production from mixed xylose/arabinose at thermophilic temperature by anaerobic mixed cultures in elephant dung. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 13928-13938	6.7	36
61	Isolation, characterization and optimization of photo-hydrogen production conditions by newly isolated <i>Rhodobacter sphaeroides</i> KKU-PS5. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 10870-10882	6.7	34
60	Hydrogen production from sludge of poultry slaughterhouse wastewater treatment plant pretreated with microwave. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 8751-8757	6.7	30
59	Biohydrogen production from dual digestion pretreatment of poultry slaughterhouse sludge by anaerobic self-fermentation. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 13427-13434	6.7	29
58	Optimization of biohydrogen production from sugarcane bagasse by mixed cultures using a statistical method. <i>Sustainable Environment Research</i> , <b>2016</b> , 26, 235-242	3.8	29
57	Improvement in energy recovery from <i>Chlorella</i> sp. biomass by integrated dark-photo biohydrogen production and dark fermentation-anaerobic digestion processes. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 23899-23911	6.7	28
56	Biohydrogen production from waste glycerol and sludge by anaerobic mixed cultures. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 13789-13796	6.7	27
55	Co-digestion of cassava starch wastewater with buffalo dung for bio-hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 14694-14706	6.7	26
54	Fermentation of hydrogen, 1,3-propanediol and ethanol from glycerol as affected by organic loading rate using up-flow anaerobic sludge blanket (UASB) reactor. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 27558-27569	6.7	24
53	Simultaneous saccharification and fermentation of cellulose for bio-hydrogen production by anaerobic mixed cultures in elephant dung. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 9028-9035	6.7	23
52	Ethanol production from glucose and xylose by immobilized <i>Thermoanaerobacter pentosaceus</i> at 70 °C in an up-flow anaerobic sludge blanket (UASB) reactor. <i>Bioresource Technology</i> , <b>2013</b> , 143, 598-607 <sup>11</sup>	6.7	23
51	Co-Digestion of Napier Grass and Its Silage with Cow Dung for Methane Production. <i>Energies</i> , <b>2017</b> , 10, 1654	3.1	23
50	Media optimization for biohydrogen production from waste glycerol by anaerobic thermophilic mixed cultures. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 15473-15482	6.7	23
49	Bio-Hydrogen Production from Pineapple Waste Extract by Anaerobic Mixed Cultures. <i>Energies</i> , <b>2013</b> , 6, 2175-2190	3.1	23
48	Two-stage thermophilic bio-hydrogen and methane production from oil palm trunk hydrolysate using <i>Thermoanaerobacterium thermosaccharolyticum</i> KKU19. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 28222-28232	6.7	22
47	Methane production from acidic effluent discharged after the hydrogen fermentation of sugarcane juice using batch fermentation and UASB reactor. <i>Renewable Energy</i> , <b>2016</b> , 86, 1224-1231	8.1	22
46	Anaerobic solid-state fermentation of bio-hydrogen from microalgal <i>Chlorella</i> sp. biomass. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 9650-9659	6.7	21

45	Repeated batch fermentation for photo-hydrogen and lipid production from wastewater of a sugar manufacturing plant. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 3605-3617	6.7	21
44	Two-stage thermophilic bio-hydrogen and methane production from lime-pretreated oil palm trunk by simultaneous saccharification and fermentation. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 4284-4293	6.7	21
43	Synthesis, Characterization, and Application of Carboxymethyl Cellulose from Asparagus Stalk End. <i>Polymers</i> , <b>2020</b> , 13,	4.5	21
42	Optimization of Factors Affecting Acid Hydrolysis of Water Hyacinth Stem ( <i>Eichhornia Crassipes</i> ) for Bio-Hydrogen Production. <i>Energy Procedia</i> , <b>2015</b> , 79, 833-837	2.3	20
41	Membrane bioreactor-assisted volatile fatty acids production and in situ recovery from cow manure. <i>Bioresource Technology</i> , <b>2021</b> , 321, 124456	11	18
40	Co-Digestion of Napier Grass and Its Silage with Cow Dung for Bio-Hydrogen and Methane Production by Two-Stage Anaerobic Digestion Process. <i>Energies</i> , <b>2018</b> , 11, 47	3.1	17
39	Rheological properties of microalgae slurry under subcritical conditions for hydrothermal hydrolysis systems. <i>Algal Research</i> , <b>2018</b> , 33, 78-83	5	17
38	Enhancing Hydrogen Production from <i>Chlorella</i> sp. Biomass by Pre-Hydrolysis with Simultaneous Saccharification and Fermentation (PSSF). <i>Energies</i> , <b>2019</b> , 12, 908	3.1	16
37	Sequential fermentation of hydrogen and methane from steam-exploded sugarcane bagasse hydrolysate. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 9924-9934	6.7	16
36	Hydrogen from Photo Fermentation. <i>Green Energy and Technology</i> , <b>2018</b> , 221-317	0.6	15
35	Optimization of Batch Dark Fermentation of <i>Chlorella</i> sp. Using Mixed-Cultures for Simultaneous Hydrogen and Butyric Acid Production. <i>Energies</i> , <b>2019</b> , 12, 2529	3.1	15
34	Characterization of Chitosan Film Incorporated with Curcumin Extract. <i>Polymers</i> , <b>2021</b> , 13,	4.5	15
33	Antioxidant Films from Cassava Starch/Gelatin Biocomposite Fortified with Quercetin and TBHQ and Their Applications in Food Models. <i>Polymers</i> , <b>2021</b> , 13,	4.5	15
32	Carboxymethyl Bacterial Cellulose from Nata de Coco: Effects of NaOH. <i>Polymers</i> , <b>2021</b> , 13,	4.5	14
31	Co-digestion of oil palm trunk hydrolysate with slaughterhouse wastewater for thermophilic bio-hydrogen production by <i>Thermoanaerobacterium thermosaccharolyticum</i> KKU19. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 6872-6880	6.7	13
30	Volatile Fatty Acid Production from Organic Waste with the Emphasis on Membrane-Based Recovery. <i>Fermentation</i> , <b>2021</b> , 7, 159	4.7	13
29	Bioaugmentation of <i>Lactobacillus delbrueckii</i> ssp. <i>bulgaricus</i> TISTR 895 to enhance bio-hydrogen production of <i>Rhodobacter sphaeroides</i> KKU-PS5. <i>Biotechnology for Biofuels</i> , <b>2015</b> , 8, 190	7.8	12
28	Effect of biogas sparging on the performance of bio-hydrogen reactor over a long-term operation. <i>PLoS ONE</i> , <b>2017</b> , 12, e0171248	3.7	11

27	Repeated-batch fermentative for bio-hydrogen production from. <i>Pakistan Journal of Biological Sciences</i> , <b>2007</b> , 10, 1782-9	0.8	11
26	Trace metals supplementation enhanced microbiota and biohythane production by two-stage thermophilic fermentation. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 3325-3338	6.7	11
25	Co-Digestion of Napier Grass with Food Waste and Napier Silage with Food Waste for Methane Production. <i>Energies</i> , <b>2018</b> , 11, 3200	3.1	11
24	Valorization of microalgal biomass for biohydrogen generation: A review. <i>Bioresource Technology</i> , <b>2021</b> , 322, 124533	11	10
23	Photofermentaion and lipid accumulation by <i>Rhodobacter</i> sp. KKU-PS1 using malic acid as a substrate. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 6259-6270	6.7	9
22	Photo-hydrogen and lipid production from lactate, acetate, butyrate, and sugar manufacturing wastewater with an alternative nitrogen source by sp KKU-PS1. <i>PeerJ</i> , <b>2019</b> , 7, e6653	3.1	8
21	Valorization of crude glycerol into hydrogen, 1,3-propanediol, and ethanol in an up-flow anaerobic sludge blanket (UASB) reactor under thermophilic conditions. <i>Renewable Energy</i> , <b>2020</b> , 161, 361-372	8.1	8
20	INFLUENCE OF NITROGEN, ACETATE AND PROPIONATE ON HYDROGEN PRODUCTION FROM PINEAPPLE WASTE EXTRACT BY <i>Rhodospirillum rubrum</i> . <i>Journal of Water and Environment Technology</i> , <b>2005</b> , 3, 93-117	1.1	7
19	Methane Production from the Co-digestion of Algal Biomass with Crude Glycerol by Anaerobic Mixed Cultures. <i>Waste and Biomass Valorization</i> , <b>2020</b> , 11, 1873-1881	3.2	7
18	Bio-hydrogen and Methane Production from Lignocellulosic Materials		5
17	Influences of size reduction, hydration, and thermal-assisted hydration pretreatment to increase the biogas production from Napier grass and Napier silage. <i>Bioresource Technology</i> , <b>2021</b> , 331, 125034	11	5
16	Effect of Monochloroacetic Acid on Properties of Carboxymethyl Bacterial Cellulose Powder and Film from Nata de Coco. <i>Polymers</i> , <b>2021</b> , 13,	4.5	5
15	Enhanced simultaneous saccharification and fermentation of Napier grass and Napier silage for two stage bio-hydrogen and methane production using organosolv and hydrothermal. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 267, 124614	4.4	5
14	Biohydrogen Productions from Hydrolysate of Water Hyacinth Stem ( <i>Eichhornia crassipes</i> ) Using Anaerobic Mixed Cultures <b>2017</b> , 46, 51-58		4
13	Integrative Effects of Sonication and Particle Size on Biomethanation of Tropical Grass <i>Pennisetum purpureum</i> Using Superior Diverse Inocula Cultures. <i>Energies</i> , <b>2019</b> , 12, 4226	3.1	4
12	Co-fermentation of 1,3-propanediol and 2,3-butanediol from crude glycerol derived from the biodiesel production process by newly isolated <i>Enterobacter</i> sp.: Optimization factors affecting. <i>Bioresource Technology Reports</i> , <b>2021</b> , 13, 100616	4.1	4
11	Anaerobic co-digestion of biogas effluent and sugarcane filter cake for methane production. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	4
10	Assessment of organosolv, hydrothermal, and combined organosolv and hydrothermal with enzymatic pretreatment to increase the production of biogas from Napier grass and Napier silage. <i>Renewable Energy</i> , <b>2021</b> , 181, 1237-1237	8.1	3

9	Morphology, Mechanical, and Water Barrier Properties of Carboxymethyl Rice Starch Films: Sodium Hydroxide Effect.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	2
8	High Substitution Synthesis of Carboxymethyl Chitosan for Properties Improvement of Carboxymethyl Chitosan Films Depending on Particle Sizes. <i>Molecules</i> , <b>2021</b> , 26,	4.8	2
7	Single and Combined Enzymatic Saccharification and Biohydrogen Production from Chlorella sp. Biomass. <i>Bioenergy Research</i> , <b>2020</b> , 14, 940	3.1	2
6	New Vegetable Oils with Different Fatty Acids on Natural Rubber Composite Properties. <i>Polymers</i> , <b>2021</b> , 13,	4.5	2
5	Two-Stage Anaerobic Codigestion of Crude Glycerol and Micro-Algal Biomass for Biohydrogen and Methane Production by Anaerobic Sludge Consortium. <i>Fermentation</i> , <b>2021</b> , 7, 175	4.7	2
4	Co-generation of biohydrogen and biochemicals from co-digestion of Chlorella sp. biomass hydrolysate with sugarcane leaf hydrolysate in an integrated circular biorefinery concept. <i>Biotechnology for Biofuels</i> , <b>2021</b> , 14, 197	7.8	2
3	Enhancement of Thermophilic Biogas Production from Palm Oil Mill Effluent by pH Adjustment and Effluent Recycling. <i>Processes</i> , <b>2021</b> , 9, 878	2.9	1
2	One-step multi enzyme pretreatment and biohydrogen production from Chlorella sp. biomass. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 39675-39675	6.7	0
1	Co-production of hydrogen and ethanol by Thermoanaerobacterium thermosaccharolyticum KKU-ED1 from alpha-cellulose and cellulose fraction of sugarcane bagasse. <i>Bioresource Technology Reports</i> , <b>2021</b> , 15, 100759	4.1	0