

# Sang-Hyoun Kim

## 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.

222  
papers

8,025  
citations

48  
h-index

79  
g-index

238  
ext. papers

9,858  
ext. citations

8.2  
avg, IF

6.78  
L-index

#	Paper	IF	Citations
222	Recent biotechnological developments in reshaping the microalgal genome: A signal for green recovery in biorefinery practices.. <i>Chemosphere</i> , <b>2022</b> , 293, 133513	8.4	4
221	Lignocellulosic biomass as renewable feedstock for biodegradable and recyclable plastics production: A sustainable approach. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 158, 112130	16.2	12
220	Recycling of cathode material from spent lithium-ion batteries: Challenges and future perspectives.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 429, 128312	12.8	6
219	Biomass Based Bioenergy: Technologies and Impact on Environmental Sustainability. <i>Daehan Hwanjgyeong Gonghag Hoeji</i> , <b>2022</b> , 44, 1-12	0.6	0
218	Recent advances in commercial biorefineries for lignocellulosic ethanol production: Current status, challenges and future perspectives. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126292	11	15
217	Biofilm formation as a method of improved treatment during anaerobic digestion of organic matter for biogas recovery. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126309	11	3
216	Quantum dot synthesis from waste biomass and its applications in energy and bioremediation.. <i>Chemosphere</i> , <b>2022</b> , 293, 133564	8.4	4
215	Comparative study of pyrolysis and hydrothermal liquefaction of microalgal species: Analysis of product yields with reaction temperature. <i>Fuel</i> , <b>2022</b> , 311, 121932	7.1	2
214	High-rate biohydrogen production from xylose using a dynamic membrane bioreactor. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126205	11	1
213	Production of biosurfactants from agro-industrial waste and waste cooking oil in a circular bioeconomy: An overview. <i>Bioresource Technology</i> , <b>2022</b> , 343, 126059	11	18
212	Dark fermentation: Production and utilization of volatile fatty acid from different wastes- A review. <i>Chemosphere</i> , <b>2022</b> , 288, 132444	8.4	9
211	Upgrading the value of anaerobic fermentation via renewable chemicals production: A sustainable integration for circular bioeconomy. <i>Science of the Total Environment</i> , <b>2022</b> , 806, 150312	10.2	4
210	Recent advances in computational fluid dynamics (CFD) modelling of photobioreactors: Design and applications.. <i>Bioresource Technology</i> , <b>2022</b> , 350, 126920	11	2
209	Recent advances in black liquor valorization.. <i>Bioresource Technology</i> , <b>2022</b> , 126916	11	0
208	Biohydrogen and biomethane production from food waste using a two-stage dynamic membrane bioreactor (DMBR) system.. <i>Bioresource Technology</i> , <b>2022</b> , 352, 127094	11	0
207	The effects of ammonia acclimation on biogas recovery and the microbial population in continuous anaerobic digestion of swine manure.. <i>Environmental Research</i> , <b>2022</b> , 113483	7.9	1
206	Valorization of pretreated waste activated sludge to organic acids and biopolymer. <i>Chemosphere</i> , <b>2022</b> , 135078	8.4	0

205	Impact of thermal pretreatment on anaerobic digestion of dewatered sludge from municipal and industrial wastewaters and its economic feasibility. <i>Energy</i> , <b>2022</b> , 254, 124345	7.9	0
204	Lignin valorisation via enzymes: A sustainable approach. <i>Fuel</i> , <b>2021</b> , 122608	7.1	11
203	Regulation and augmentation of anaerobic digestion processes via the use of bioelectrochemical systems.. <i>Bioresource Technology</i> , <b>2021</b> , 126628	11	4
202	Sludge disintegration and anaerobic digestion enhancement by alkaline-thermal pretreatment: Economic evaluation and microbial population analysis.. <i>Bioresource Technology</i> , <b>2021</b> , 346, 126594	11	1
201	Algae biorefinery: a promising approach to promote microalgae industry and waste utilization.. <i>Journal of Biotechnology</i> , <b>2021</b> ,	3.7	8
200	Electro-fermentation for biofuels and biochemicals production: Current status and future directions. <i>Bioresource Technology</i> , <b>2021</b> , 323, 124598	11	25
199	Lipid content, biomass density, fatty acid as selection markers for evaluating the suitability of four fast growing cyanobacterial strains for biodiesel production. <i>Bioresource Technology</i> , <b>2021</b> , 325, 124654	11	22
198	Biopolymer production using volatile fatty acids as resource: Effect of feast-famine strategy and lignin reinforcement. <i>Bioresource Technology</i> , <b>2021</b> , 326, 124736	11	6
197	Insights on biological hydrogen production routes and potential microorganisms for high hydrogen yield. <i>Fuel</i> , <b>2021</b> , 291, 120136	7.1	33
196	A review on energy and cost effective phase separated pretreatment of biosolids. <i>Water Research</i> , <b>2021</b> , 198, 117169	12.5	8
195	Biocatalytic remediation of industrial pollutants for environmental sustainability: Research needs and opportunities.. <i>Chemosphere</i> , <b>2021</b> , 272, 129936	8.4	29
194	Enhanced anaerobic digestion of waste-activated sludge via bioaugmentation strategy-Phylogenetic investigation of communities by reconstruction of unobserved states (PICRUSt2) analysis through hydrolytic enzymes and possible linkage to system performance. <i>Science of the Total Environment</i> , <b>2021</b> , 330, 125014	11	12
193	Anaerobic co-digester microbiome during food waste valorization reveals Methanosaeta mediated methanogenesis with improved carbohydrate and lipid metabolism. <i>Bioresource Technology</i> , <b>2021</b> , 332, 125123	11	4
192	A detailed scrutinize on panorama of catalysts in biodiesel synthesis. <i>Science of the Total Environment</i> , <b>2021</b> , 777, 145683	10.2	15
191	Unravelling metabolism and microbial community of a phytobed co-planted with <i>Typha angustifolia</i> and <i>Ipomoea aquatica</i> for biodegradation of doxylamine from wastewater. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 401, 123404	12.8	10
190	A facile acid induced water-based solvent by improving hydrophobicity for simultaneous remediating total petroleum hydrocarbon, heavy metals and benzo(a) pyrene contaminated soil: Laboratory- and pilot-scale studies. <i>Journal of Cleaner Production</i> , <b>2021</b> , 278, 123425	10.3	2
189	Hazardous minerals mining: Challenges and solutions. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 402, 123474	12.8	15
188	Feasibility study of polyetherimide membrane for enrichment of carbon dioxide from synthetic biohydrogen mixture and subsequent utilization scenario using microalgae. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 8327-8334	4.5	

187	Granular Mg-Fe layered double hydroxide prepared using dual polymers: Insights into synergistic removal of As(III) and As(V). <i>Journal of Hazardous Materials</i> , <b>2021</b> , 403, 123883	12.8	9
186	Improvement in H <sub>2</sub> production from <i>Clostridium butyricum</i> by co-culture with <i>Sporolactobacillus vineae</i> . <i>Fuel</i> , <b>2021</b> , 285, 119051	7.1	7
185	Novel dynamic membrane, metabolic flux balance and PICRUSt analysis for high-rate biohydrogen production at various substrate concentrations. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 127685	14.7	9
184	High-rate mesophilic hydrogen production from food waste using hybrid immobilized microbiome. <i>Bioresource Technology</i> , <b>2021</b> , 320, 124279	11	8
183	State-of-the-art technologies for continuous high-rate biohydrogen production. <i>Bioresource Technology</i> , <b>2021</b> , 320, 124304	11	36
182	Comparative Evaluation of CO <sub>2</sub> Fixation of Microalgae Strains at Various CO <sub>2</sub> Aeration Conditions. <i>Waste and Biomass Valorization</i> , <b>2021</b> , 12, 2999-3007	3.2	3
181	Biotechnological valorization of algal biomass: an overview. <i>Systems Microbiology and Biomanufacturing</i> , <b>2021</b> , 1, 131-141		7
180	Effect of conductive material for overcoming inhibitory conditions derived from red algae-based substrate on biohydrogen production. <i>Fuel</i> , <b>2021</b> , 285, 119059	7.1	7
179	Unexpected discovery of superoxide radical generation by oxygen vacancies containing biomass derived granular activated carbon. <i>Water Research</i> , <b>2021</b> , 190, 116757	12.5	3
178	Effect of algae ( <i>Scenedesmus obliquus</i> ) biomass pre-treatment on bio-oil production in hydrothermal liquefaction (HTL): Biochar and aqueous phase utilization studies. <i>Science of the Total Environment</i> , <b>2021</b> , 778, 146262	10.2	19
177	Bioelectrochemical system-mediated waste valorization. <i>Systems Microbiology and Biomanufacturing</i> , <b>2021</b> , 1, 432-443		5
176	Degradation synergism between sonolysis and photocatalysis for organic pollutants with different hydrophobicity: A perspective of mechanism and application for high mineralization efficiency. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 125787	12.8	6
175	A critical review on different harvesting techniques for algal based biodiesel production. <i>Science of the Total Environment</i> , <b>2021</b> , 780, 146467	10.2	18
174	Metal and metal(loids) removal efficiency using genetically engineered microbes: Applications and challenges. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 125855	12.8	13
173	Unravelling the enhancement of biohydrogen production via adding magnetite nanoparticles and applying electrical energy input. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> ,	6.7	3
172	Efficiency of transporter genes and proteins in hyperaccumulator plants for metals tolerance in wastewater treatment: Sustainable technique for metal detoxification. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 23, 101725	7	14
171	Improved bio-hydrogen production by overexpression of glucose-6-phosphate dehydrogenase and FeFe hydrogenase in <i>Clostridium acetobutylicum</i> . <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 36687-36687	6.7	1
170	Relative evaluation of acid, alkali, and hydrothermal pretreatment influence on biochemical methane potential of date biomass. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106031	6.8	8

169	Recent trends in biochar integration with anaerobic fermentation: Win-win strategies in a closed-loop. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 149, 111371	16.2	11
168	Synthesis of Gvalerolactone (GVL) and their applications for lignocellulosic deconstruction for sustainable green biorefineries. <i>Fuel</i> , <b>2021</b> , 303, 121333	7.1	22
167	Anaerobic digestion of waste activated sludge using dynamic membrane at varying substrate concentration reveals new insight towards methanogenic pathway and biofilm formation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 423, 130249	14.7	9
166	Critical review on microbial community during in-situ bioremediation of heavy metals from industrial wastewater. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 24, 101826	7	25
165	Dynamic membrane bioreactor for high rate continuous biohydrogen production from algal biomass. <i>Bioresource Technology</i> , <b>2021</b> , 340, 125562	11	11
164	Direct upcycling of polyethylene terephthalate (PET) waste bottles into $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> incorporated MIL-53(Al) for the synthesis of Al <sub>2</sub> O <sub>3</sub> /Fe <sub>3</sub> O <sub>4</sub> -encapsulated magnetic carbon composite and efficient removal of non-steroidal anti-inflammatory drugs. <i>Separation and Purification Technology</i> , <b>2021</b> , 258, 118710	8.3	1
163	Effect of low-thermal pretreatment on the methanogenic performance and microbiome population of continuous high-solid anaerobic digester treating dewatered sludge. <i>Bioresource Technology</i> , <b>2021</b> , 341, 125756	11	1
162	Effect of genus Clostridium abundance on mixed-culture fermentation converting food waste into biohydrogen. <i>Bioresource Technology</i> , <b>2021</b> , 342, 125942	11	3
161	Wastewater treatment systems and power generation <b>2021</b> , 321-348		
160	Insights into the effect of cerium oxide nanoparticle on microalgal degradation of sulfonamides. <i>Bioresource Technology</i> , <b>2020</b> , 309, 123452	11	14
159	Waste activated sludge treatment in an anaerobic dynamic membrane bioreactor at varying hydraulic retention time: Performance monitoring and microbial community analysis. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 12485-12495	4.5	13
158	Valorization of cashew nut processing residues for industrial applications. <i>Industrial Crops and Products</i> , <b>2020</b> , 152, 112550	5.9	26
157	Effect of shear velocity on dark fermentation for biohydrogen production using dynamic membrane. <i>Bioresource Technology</i> , <b>2020</b> , 308, 123265	11	10
156	Microbial Electro-Remediation (MER) of hazardous waste in aid of sustainable energy generation and resource recovery. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 19, 100997	7	20
155	Impact of 5-hydroxy methyl furfural on continuous hydrogen production from galactose and glucose feedstock with periodic recovery. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 19045-19057	6.7	3
154	Biohydrogen <b>2020</b> , 51-87		1
153	Assessment of Chlorella sp. as a potential feedstock for biological methane production. <i>Bioresource Technology</i> , <b>2020</b> , 305, 123075	11	9
152	Metabolic flux and functional potential of microbial community in an acidogenic dynamic membrane bioreactor. <i>Bioresource Technology</i> , <b>2020</b> , 305, 123060	11	16

151	A review on evaluation of applied pretreatment methods of wastewater towards sustainable H <sub>2</sub> generation: Energy efficiency analysis. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 8329-8345	6.7	19
150	Conversion of waste cooking oil into biodiesel using heterogenous catalyst derived from cork biochar. <i>Bioresource Technology</i> , <b>2020</b> , 302, 122872	11	108
149	Effect of biochar on emission, maturity and bacterial dynamics during sheep manure composting. <i>Renewable Energy</i> , <b>2020</b> , 152, 421-429	8.1	18
148	Waste based hydrogen production for circular bioeconomy: Current status and future directions. <i>Bioresource Technology</i> , <b>2020</b> , 302, 122920	11	59
147	Deoiled algal biomass derived renewable sugars for bioethanol and biopolymer production in biorefinery framework. <i>Bioresource Technology</i> , <b>2020</b> , 296, 122315	11	32
146	Impact of pretreatment on food waste for biohydrogen production: A review. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 18211-18225	6.7	34
145	Effect of shear velocity and feed concentration on the treatment of food waste in an anaerobic dynamic membrane Bioreactor: Performance Monitoring and microbial community analysis. <i>Bioresource Technology</i> , <b>2020</b> , 296, 122301	11	14
144	Comparative evaluation of biochemical methane potential of various types of Ugandan agricultural biomass following soaking aqueous ammonia pretreatment. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 17631-17641	5.1	9
143	Microbial strategies for bio-transforming food waste into resources. <i>Bioresource Technology</i> , <b>2020</b> , 299, 122580	11	130
142	Possibilities for the biologically-assisted utilization of CO <sub>2</sub> -rich gaseous waste streams generated during membrane technological separation of biohydrogen. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2020</b> , 36, 231-243	7.6	14
141	Effects of vertical and horizontal configurations of different numbers of brush anodes on performance and electrochemistry of microbial fuel cells. <i>Journal of Cleaner Production</i> , <b>2020</b> , 277, 124125	10.3	18
140	Evaluation of the biochemical methane potential of different sorts of Algerian date biomass. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 20, 101180	7	11
139	Shift of microbial community structure by substrate level in dynamic membrane bioreactor for biohydrogen production. <i>International Journal of Energy Research</i> , <b>2020</b> , 45, 17408	4.5	6
138	Enhancing anaerobic digestion for rural wastewater treatment with granular activated carbon (GAC) supplementation. <i>Bioresource Technology</i> , <b>2020</b> , 315, 123890	11	13
137	Utilization of different lignocellulosic hydrolysates as carbon source for electricity generation using novel <i>Shewanella marisflavi</i> BBL25. <i>Journal of Cleaner Production</i> , <b>2020</b> , 277, 124084	10.3	15
136	Comparative effect of silver nanoparticles (AgNPs) derived from actinomycetes and henna on biohydrogen production by <i>Clostridium beijerinckii</i> (KTCC1737). <i>International Journal of Energy Research</i> , <b>2020</b> , 45, 17269	4.5	4
135	Sustainable and eco-friendly strategies for shrimp shell valorization. <i>Environmental Pollution</i> , <b>2020</b> , 267, 115656	9.3	25
134	Enhancement of Sewage Sludge Digestion by Co-digestion with Food Waste and Swine Waste. <i>Waste and Biomass Valorization</i> , <b>2020</b> , 11, 2421-2430	3.2	11

133	Effects of alginate immobilization on dynamic membrane formation and H <sub>2</sub> fermentation from galactose. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 5874-5880	6.7	10
132	Bio-hydrogen and bio-methane potential analysis for production of bio-hythane using various agricultural residues. <i>Bioresource Technology</i> , <b>2020</b> , 309, 123297	11	20
131	Bio-Hythane production from organic fraction of municipal solid waste in single and two stage anaerobic digestion processes. <i>Bioresource Technology</i> , <b>2019</b> , 294, 122220	11	8
130	Optimization of soaking in aqueous ammonia pretreatment for anaerobic digestion of African maize bran. <i>Fuel</i> , <b>2019</b> , 253, 552-560	7.1	11
129	Bioconversion of barley straw lignin into biodiesel using <i>Rhodococcus</i> sp. YHY01. <i>Bioresource Technology</i> , <b>2019</b> , 289, 121704	11	34
128	A review on the conversion of volatile fatty acids to polyhydroxyalkanoates using dark fermentative effluents from hydrogen production. <i>Bioresource Technology</i> , <b>2019</b> , 287, 121427	11	50
127	Biohydrogen production from glucose using submerged dynamic filtration module: Metabolic product distribution and flux-based analysis. <i>Bioresource Technology</i> , <b>2019</b> , 287, 121445	11	7
126	Biobutanol as a promising liquid fuel for the future - recent updates and perspectives. <i>Fuel</i> , <b>2019</b> , 253, 637-646	7.1	70
125	A comprehensive review on thermochemical, biological, biochemical and hybrid conversion methods of bio-derived lignocellulosic molecules into renewable fuels. <i>Fuel</i> , <b>2019</b> , 251, 352-367	7.1	63
124	Formation of a dynamic membrane altered the microbial community and metabolic flux in fermentative hydrogen production. <i>Bioresource Technology</i> , <b>2019</b> , 282, 63-68	11	23
123	Tailoring of microbes for the production of high value plant-derived compounds: From pathway engineering to fermentative production. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2019</b> , 1867, 140262	4	5
122	Biohydrogen Production From Industrial Wastewater <b>2019</b> , 733-760		3
121	A review on biopolymer production via lignin valorization. <i>Bioresource Technology</i> , <b>2019</b> , 290, 121790	11	107
120	Polyhydroxy butyrate production by <i>Acinetobacter junii</i> BP25, <i>Aeromonas hydrophila</i> ATCC 7966, and their co-culture using a feast and famine strategy. <i>Bioresource Technology</i> , <b>2019</b> , 293, 122062	11	16
119	Food waste treatment in an anaerobic dynamic membrane bioreactor (AnDMBR): Performance monitoring and microbial community analysis. <i>Bioresource Technology</i> , <b>2019</b> , 280, 158-164	11	28
118	A perspective on galactose-based fermentative hydrogen production from macroalgal biomass: Trends and opportunities. <i>Bioresource Technology</i> , <b>2019</b> , 280, 447-458	11	27
117	Optimization of dilute acid and enzymatic hydrolysis for dark fermentative hydrogen production from the empty fruit bunch of oil palm. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 2191-2202	6.7	22
116	Evaluation of process performance on biohydrogen production in continuous fixed bed reactor (C-FBR) using acid algae hydrolysate (AAH) as feedstock. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 2164-2169	6.7	8

115	Screening and optimization of pretreatments in the preparation of sugarcane bagasse feedstock for biohydrogen production and process optimization. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 11470-11483	6.7	29
114	Surfactant assisted disperser pretreatment on the liquefaction of <i>Ulva reticulata</i> and evaluation of biodegradability for energy efficient biofuel production through nonlinear regression modelling. <i>Bioresource Technology</i> , <b>2018</b> , 255, 116-122	11	34
113	Biohydrogen fermentation of galactose at various substrate concentrations in an immobilized system and its microbial correspondence. <i>Journal of Bioscience and Bioengineering</i> , <b>2018</b> , 125, 559-564	3.3	8
112	Kinetic modeling and microbial community analysis for high-rate biohydrogen production using a dynamic membrane. <i>Bioresource Technology</i> , <b>2018</b> , 262, 59-64	11	15
111	Co-digestion of untreated macro and microalgal biomass for biohydrogen production: Impact of inoculum augmentation and microbial insights. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 11484-11492	6.7	16
110	Evaluation of a membrane permeation system for biogas upgrading using model and real gaseous mixtures: The effect of operating conditions on separation behaviour, methane recovery and process stability. <i>Journal of Cleaner Production</i> , <b>2018</b> , 185, 44-51	10.3	23
109	Continuous biogenic hydrogen production from dilute acid pretreated algal hydrolysate using hybrid immobilized mixed consortia. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 11452-11459	6.7	19
108	Effect of feeding mode and dilution on the performance and microbial community population in anaerobic digestion of food waste. <i>Bioresource Technology</i> , <b>2018</b> , 248, 134-140	11	40
107	Photoautotrophic cultivation of mixed microalgae consortia using various organic waste streams towards remediation and resource recovery. <i>Bioresource Technology</i> , <b>2018</b> , 247, 576-581	11	26
106	Effect of 5-hydroxymethylfurfural (5-HMF) on high-rate continuous biohydrogen production from galactose. <i>Bioresource Technology</i> , <b>2018</b> , 247, 1197-1200	11	19
105	Effect of substrate concentration on the competition between <i>Clostridium</i> and <i>Lactobacillus</i> during biohydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 11460-11469	6.7	30
104	Production of (3-hydroxybutyrate-co-3-hydroxyhexanoate) copolymer from coffee waste oil using engineered <i>Ralstonia eutropha</i> . <i>Bioprocess and Biosystems Engineering</i> , <b>2018</b> , 41, 229-235	3.7	59
103	Evaluation of gradual adaptation of mixed microalgae consortia cultivation using textile wastewater via fed batch operation. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , <b>2018</b> , 20, e00289	5.3	17
102	Effects of acclimation and pH on ammonia inhibition for mesophilic methanogenic microflora. <i>Waste Management</i> , <b>2018</b> , 80, 218-223	8.6	11
101	Assessment via the modified gompertz-model reveals new insights concerning the effects of ionic liquids on biohydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 18918-18924	6.7	17
100	A review of the innovative gas separation membrane bioreactor with mechanisms for integrated production and purification of biohydrogen. <i>Bioresource Technology</i> , <b>2018</b> , 270, 643-655	11	24
99	Improvement of hydrogen fermentation of galactose by combined inoculation strategy. <i>Journal of Bioscience and Bioengineering</i> , <b>2017</b> , 123, 353-357	3.3	16
98	A review on bio-electrochemical systems (BESs) for the syngas and value added biochemicals production. <i>Chemosphere</i> , <b>2017</b> , 177, 84-92	8.4	87



97	Performance evaluation of microbial electrochemical systems operated with Nafion and supported ionic liquid membranes. <i>Chemosphere</i> , <b>2017</b> , 175, 350-355	8.4	35
96	Research perspectives on constraints, prospects and opportunities in biohydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 27471-27481	6.7	61
95	Biohydrogen production integrated with an external dynamic membrane: A novel approach. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 27543-27549	6.7	34
94	Effects of various dilute acid pretreatments on the biochemical hydrogen production potential of marine macroalgal biomass. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 27600-27606	6.7	34
93	Enhancement of hydrogen production by optimization of pH adjustment and separation conditions following dilute acid pretreatment of lignocellulosic biomass. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 27502-27511	6.7	28
92	Mesophilic continuous fermentative hydrogen production from acid pretreated de-oiled jatropha waste hydrolysate using immobilized microorganisms. <i>Bioresource Technology</i> , <b>2017</b> , 240, 137-143	11	32
91	A comprehensive overview on electro-active biofilms, role of exo-electrogens and their microbial niches in microbial fuel cells (MFCs). <i>Chemosphere</i> , <b>2017</b> , 178, 534-547	8.4	107
90	Fermentative hydrogen production using lignocellulose biomass: An overview of pre-treatment methods, inhibitor effects and detoxification experiences. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 77, 28-42	16.2	135
89	Recovering hydrogen production performance of upflow anaerobic sludge blanket reactor (UASBR) fed with galactose via repeated heat treatment strategy. <i>Bioresource Technology</i> , <b>2017</b> , 240, 207-213	11	16
88	Microbial electrochemical systems for sustainable biohydrogen production: Surveying the experiences from a start-up viewpoint. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 70, 589-597	16.2	64
87	Research and development perspectives of lignocellulose-based biohydrogen production. <i>International Biodeterioration and Biodegradation</i> , <b>2017</b> , 119, 225-238	4.8	26
86	Combined pretreatment of electrolysis and ultra-sonication towards enhancing solubilization and methane production from mixed microalgae biomass. <i>Bioresource Technology</i> , <b>2017</b> , 245, 196-200	11	32
85	Dark fermentative hydrogen production following the sequential dilute acid pretreatment and enzymatic saccharification of rice husk. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 27577-27583	6.7	32
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