

Rajesh Banu

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.

386
papers

12,719
citations

60
h-index

87
g-index

404
ext. papers

16,031
ext. citations

7.5
avg, IF

7.22
L-index

#	Paper	IF	Citations
386	Biogas recovery from sludge 2022 , 381-394		
385	Wastewater to biogas recovery 2022 , 301-314		0
384	Sustainable utilization of food waste for bioenergy production: A step towards circular bioeconomy.. <i>International Journal of Food Microbiology</i> , 2022 , 365, 109538	5.8	11
383	Recent biotechnological developments in reshaping the microalgal genome: A signal for green recovery in biorefinery practices.. <i>Chemosphere</i> , 2022 , 293, 133513	8.4	4
382	Mild hydrogen peroxide interceded bacterial disintegration of waste activated sludge for efficient biomethane production.. <i>Science of the Total Environment</i> , 2022 , 817, 152873	10.2	2
381	A review on contemporary approaches in enhancing the innate lipid content of yeast cell.. <i>Chemosphere</i> , 2022 , 133616	8.4	2
380	Breakthrough in hydrolysis of waste biomass by physico-chemical pretreatment processes for efficient anaerobic digestion.. <i>Chemosphere</i> , 2022 , 294, 133617	8.4	2
379	Recent advances in commercial biorefineries for lignocellulosic ethanol production: Current status, challenges and future perspectives. <i>Bioresource Technology</i> , 2022 , 344, 126292	11	15
378	Recent advances in lignocellulosic biomass for biofuels and value-added bioproducts - A critical review. <i>Bioresource Technology</i> , 2022 , 344, 126195	11	28
377	Algal-based system for removal of emerging pollutants from wastewater: A review. <i>Bioresource Technology</i> , 2022 , 344, 126245	11	9
376	Process optimisation for production and recovery of succinic acid using xylose-rich hydrolysates by <i>Actinobacillus succinogenes</i> . <i>Bioresource Technology</i> , 2022 , 344, 126224	11	1
375	Macroalgae (<i>Ulva reticulata</i>) derived biohydrogen recovery through mild surfactant induced energy and cost efficient dispersion pretreatment technology. <i>Chemosphere</i> , 2022 , 288, 132463	8.4	1
374	Lignocellulosic biomass-based pyrolysis: A comprehensive review. <i>Chemosphere</i> , 2022 , 286, 131824	8.4	26
373	Enhanced biogas production in dilute acid-thermal pretreatment and cattle dung biochar mediated biomethanation of water hyacinth. <i>Fuel</i> , 2022 , 307, 121897	7.1	4
372	Impact of novel deflocculant ZnO/Chitosan nanocomposite film in disperser pretreatment enhancing energy efficient anaerobic digestion: Parameter assessment and cost exploration. <i>Chemosphere</i> , 2022 , 286, 131835	8.4	3
371	Exploring the role of microbial biofilm for industrial effluents treatment.. <i>Bioengineered</i> , 2022 , 13, 6420-6440	5.7	1
370	Development and application of a contaminant transport model for groundwater remediation and reservoir protection: a case study from India.. <i>Environmental Monitoring and Assessment</i> , 2022 , 194, 257	3.1	1

369	Genetic Engineering of Microalgae for Secondary Metabolite Production: Recent Developments, Challenges, and Future Prospects.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 836056	5.8	2
368	Surfactant induced microwave disintegration for enhanced biohydrogen production from macroalgae biomass: Thermodynamics and Energetics.. <i>Bioresource Technology</i> , 2022 , 126904	11	0
367	Tannery wastewater treatment coupled with bioenergy production in upflow microbial fuel cell under saline condition.. <i>Environmental Research</i> , 2022 , 212, 113304	7.9	1
366	Biohydrogen production from waste activated sludge through thermochemical mechanical pretreatment.. <i>Bioresource Technology</i> , 2022 , 127301	11	1
365	Lignocellulosic biomass as an optimistic feedstock for the production of biofuels as valuable energy source: Techno-economic analysis, Environmental Impact Analysis, Breakthrough and Perspectives. <i>Environmental Technology and Innovation</i> , 2021 , 102080	7	12
364	Recalcitrant compounds formation, their toxicity, and mitigation: Key issues in biomass pretreatment and anaerobic digestion. <i>Chemosphere</i> , 2021 , 132930	8.4	2
363	Microalgae as a Source of Mycosporine-like Amino Acids (MAAs); Advances and Future Prospects. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	4
362	Polyhydroxyalkanoates synthesis using acidogenic fermentative effluents. <i>International Journal of Biological Macromolecules</i> , 2021 , 193, 2079-2079	7.9	2
361	Regulation and augmentation of anaerobic digestion processes via the use of bioelectrochemical systems.. <i>Bioresource Technology</i> , 2021 , 126628	11	4
360	Algae biorefinery: a promising approach to promote microalgae industry and waste utilization.. <i>Journal of Biotechnology</i> , 2021 ,	3.7	8
359	Current advances and future outlook on pretreatment techniques to enhance biosolids disintegration and anaerobic digestion: A critical review. <i>Chemosphere</i> , 2021 , 288, 132553	8.4	9
358	Effect of Solubilization on Acidification, Anaerobic Biodegradability, and Economic Feasibility via Ultrasonic Zerovalent Iron Acidic pH Pretreatment of Sludge. <i>Energy & Fuels</i> , 2021 , 35, 16617-16628	4.1	0
357	Impact of light on microalgal photosynthetic microbial fuel cells and removal of pollutants by nanoadsorbent biopolymers: Updates, challenges and innovations. <i>Chemosphere</i> , 2021 , 132589	8.4	16
356	Carbon based conductive materials mediated recalcitrant toxicity mitigation during anaerobic digestion of thermo-chemically pre-treated organic fraction of municipal solid waste. <i>Chemosphere</i> , 2021 , 132682	8.4	2
355	Spent coffee grounds based circular bioeconomy: Technoeconomic and commercialization aspects. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 152, 111721	16.2	1
354	A review on enzymes and pathways for manufacturing polyhydroxybutyrate from lignocellulosic materials. <i>3 Biotech</i> , 2021 , 11, 483	2.8	0
353	Biofuel production from Macroalgae: present scenario and future scope. <i>Bioengineered</i> , 2021 , 12, 9216-9238	9.7	7
352	Bioaugmentation of electrogenic halophiles in the treatment of pharmaceutical industrial wastewater and energy production in microbial fuel cell under saline condition. <i>Chemosphere</i> , 2021 , 288, 132515	8.4	3

351	Molecular biology interventions for activity improvement and production of industrial enzymes. <i>Bioresource Technology</i> , 2021 , 324, 124596	11	10
350	Novel framework of GIS based automated monitoring process on environmental biodegradability and risk analysis using Internet of Things. <i>Environmental Research</i> , 2021 , 194, 110621	7.9	6
349	A review on the factors influencing biohydrogen production from lactate: The key to unlocking enhanced dark fermentative processes. <i>Bioresource Technology</i> , 2021 , 324, 124595	11	15
348	Enrichment of hydrogen production from fruit waste biomass using ozonation assisted with citric acid. <i>Waste Management and Research</i> , 2021 , 734242X211010364	4	3
347	Renewable biohydrogen production from lignocellulosic biomass using fermentation and integration of systems with other energy generation technologies. <i>Science of the Total Environment</i> , 2021 , 765, 144429	10.2	54
346	A comprehensive overview and recent advances on polyhydroxyalkanoates (PHA) production using various organic waste streams. <i>Bioresource Technology</i> , 2021 , 325, 124685	11	68
345	Biowaste-to-bioplastic (polyhydroxyalkanoates): Conversion technologies, strategies, challenges, and perspective. <i>Bioresource Technology</i> , 2021 , 326, 124733	11	55
344	A critical review on limitations and enhancement strategies associated with biohydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 16565-16590	6.7	12
343	A review on energy and cost effective phase separated pretreatment of biosolids. <i>Water Research</i> , 2021 , 198, 117169	12.5	8
342	A review on anaerobic digestion of energy and cost effective microalgae pretreatment for biogas production. <i>Bioresource Technology</i> , 2021 , 332, 125055	11	10
341	Study on removal of silver and polyethylene terephthalate from exposed radiography films using enzyme protease. <i>Journal of Material Cycles and Waste Management</i> , 2021 , 23, 1947-1954	3.4	0
340	Surfactant induced sonic fission: an effective strategy for biohydrogen recovery from sea grass <i>Syringodiumisoetifolium</i> . <i>International Journal of Energy Research</i> , 2021 , 45, 8296-8306	4.5	2
339	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> , 2021 , 45, 8327-8334	4.5	
338	Techno-economic assessment of various hydrogen production methods - A review. <i>Bioresource Technology</i> , 2021 , 319, 124175	11	64
337	Catalytic hydrothermal liquefaction of biomass into bio-oils and other value-added products A review. <i>Fuel</i> , 2021 , 285, 119053	7.1	35
336	An overview on advancements in biobased transesterification methods for biodiesel production: Oil resources, extraction, biocatalysts, and process intensification technologies. <i>Fuel</i> , 2021 , 285, 119117	7.1	56
335	Integrated biorefinery routes of biohydrogen: Possible utilization of acidogenic fermentative effluent. <i>Bioresource Technology</i> , 2021 , 319, 124241	11	20
334	Trends in Biological Nutrient Removal for the Treatment of Low Strength Organic Wastewaters. <i>Current Pollution Reports</i> , 2021 , 7, 1-30	7.6	4

333	Anaerobic co-digestion of oil-extracted spent coffee grounds with various wastes: Experimental and kinetic modeling studies. <i>Bioresource Technology</i> , 2021 , 322, 124470	11	20
332	Evaluation of biohydrogen production potential of fragmented sugar industry biosludge using ultrasonication coupled with egtazic acid. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 1705-1714	6.7	6
331	Biogas production from beverage factory wastewater in a mobile bioenergy station. <i>Chemosphere</i> , 2021 , 264, 128564	8.4	9
330	Biotechnological valorization of algal biomass: an overview. <i>Systems Microbiology and Biomanufacturing</i> , 2021 , 1, 131-141		7
329	Solubilisation of fruits and vegetable dregs through surfactant mediated sonic disintegration: impact on biomethane potential and energy ratio. <i>Environmental Technology (United Kingdom)</i> , 2021 , 42, 1703-1714	2.6	1
328	Food waste biorefinery: A case study for spent coffee grounds (SCGs) into bioactive compounds across the European Union 2021 , 459-473		2
327	Ultrasonic induced mechanoacoustic effect on delignification of rice straw for cost effective biopretreatment and biomethane recovery. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 1832-1844	5.8	7
326	Bioenergy production and treatment of aquaculture wastewater using saline anode microbial fuel cell under saline condition. <i>Environmental Technology and Innovation</i> , 2021 , 21, 101331	7	11
325	Enhanced phytoextraction of multi-metal contaminated soils under increased atmospheric temperature by bioaugmentation with plant growth promoting <i>Bacillus cereus</i> . <i>Journal of Environmental Management</i> , 2021 , 289, 112553	7.9	9
324	Bioelectrochemical system-mediated waste valorization. <i>Systems Microbiology and Biomanufacturing</i> , 2021 , 1, 432-443		5
323	Valorization of agricultural residues: Different biorefinery routes. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105435	6.8	22
322	Investigation of four microalgae in nitrogen deficient synthetic wastewater for biorefinery based biofuel production. <i>Environmental Technology and Innovation</i> , 2021 , 23, 101572	7	8
321	Mechanical-biological treatment of municipal solid waste: Case study of 100TPD Goa plant, India. <i>Journal of Environmental Management</i> , 2021 , 292, 112741	7.9	7
320	Microalgal Production of Biofuels Integrated with Wastewater Treatment. <i>Sustainability</i> , 2021 , 13, 8797	3.6	5
319	Management of microbial enzymes for biofuels and biogas production by using metagenomic and genome editing approaches. <i>3 Biotech</i> , 2021 , 11, 429	2.8	1
318	Lignocellulosic biomass based biorefinery: A successful platform towards circular bioeconomy. <i>Fuel</i> , 2021 , 302, 121086	7.1	41
317	Relative evaluation of acid, alkali, and hydrothermal pretreatment influence on biochemical methane potential of date biomass. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106031	6.8	8
316	Advancement of green technologies: A comprehensive review on the potential application of microalgae biomass. <i>Chemosphere</i> , 2021 , 281, 130886	8.4	17

315	Mechanistic insights into promoted dewaterability, drying behaviors and methane-producing potential of waste activated sludge by Fe-activated persulfate oxidation. <i>Journal of Environmental Management</i> , 2021 , 298, 113429	7.9	5
314	Synthesis of Gvalerolactone (GVL) and their applications for lignocellulosic deconstruction for sustainable green biorefineries. <i>Fuel</i> , 2021 , 303, 121333	7.1	22
313	Dynamic membrane bioreactor for high rate continuous biohydrogen production from algal biomass. <i>Bioresource Technology</i> , 2021 , 340, 125562	11	11
312	Alkali activated persulfate mediated extracellular organic release on enzyme secreting bacterial pretreatment for efficient hydrogen production. <i>Bioresource Technology</i> , 2021 , 341, 125810	11	5
311	Production of biopolymers and feed protein from food wastes 2020 , 143-162		1
310	Introduction: sources and characterization of food waste and food industry wastes 2020 , 1-13		5
309	Valorization of food waste for biogas, biohydrogen, and biohythane generation 2020 , 15-38		3
308	Enzymes/biocatalysts and bioreactors for valorization of food wastes 2020 , 211-233		3
307	New business and marketing concepts for cross-sector valorization of food waste 2020 , 417-433		3
306	Production of organic acids and enzymes/biocatalysts from food waste 2020 , 119-141		6
305	State of the art of food waste management in various countries 2020 , 299-323		2
304	Carbon molecular sieve production from defatted spent coffee ground using ZnCl ₂ and benzene for gas purification. <i>Fuel</i> , 2020 , 277, 118183	7.1	9
303	Thermochemical conversion of food waste for bioenergy generation 2020 , 97-118		3
302	A brief review of anaerobic membrane bioreactors emphasizing recent advancements, fouling issues and future perspectives. <i>Journal of Environmental Management</i> , 2020 , 270, 110909	7.9	48
301	Current trends and prospects in microalgae-based bioenergy production. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104025	6.8	28
300	Microbial Electro-Remediation (MER) of hazardous waste in aid of sustainable energy generation and resource recovery. <i>Environmental Technology and Innovation</i> , 2020 , 19, 100997	7	20
299	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> , 2020 , 45, 19045-19051	6.7	3
298	Specialty chemicals and nutraceuticals production from food industry wastes 2020 , 189-209		4

297	Environmental impacts and sustainability assessment of food loss and waste valorization: value chain analysis of food consumption 2020 , 359-388		
296	Valorization of food waste for biodiesel production 2020 , 75-96		1
295	Bioenergy recovery from food processing wastewater Microbial fuel cell 2020 , 251-274		2
294	Analysis and regulation policies of food waste based on circular bioeconomies 2020 , 389-400		
293	Generation of electricity by the degradation of electro-Fenton pretreated latex wastewater using double chamber microbial fuel cell. <i>International Journal of Energy Research</i> , 2020 , 44, 12496-12505	4.5	8
292	Application of molecular techniques in biohydrogen production as a clean fuel. <i>Science of the Total Environment</i> , 2020 , 722, 137795	10.2	20
291	A critical review of pretreatment technologies to enhance anaerobic digestion and energy recovery. <i>Fuel</i> , 2020 , 270, 117494	7.1	115
290	Biohydrogen 2020 , 51-87		1
289	A review on valorization of spent coffee grounds (SCG) towards biopolymers and biocatalysts production. <i>Bioresource Technology</i> , 2020 , 314, 123800	11	27
288	Application of chemo thermal coupled sonic homogenization of marine macroalgal biomass for energy efficient volatile fatty acid recovery. <i>Bioresource Technology</i> , 2020 , 303, 122951	11	5
287	Cost effective biomethanation via surfactant coupled ultrasonic liquefaction of mixed microalgal biomass harvested from open raceway pond. <i>Bioresource Technology</i> , 2020 , 304, 123021	11	13
286	A review on evaluation of applied pretreatment methods of wastewater towards sustainable H ₂ generation: Energy efficiency analysis. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 8329-8345	6.7	19
285	Impervious and influence in the liquid fuel production from municipal plastic waste through thermo-chemical biomass conversion technologies - A review. <i>Science of the Total Environment</i> , 2020 , 718, 137287	10.2	40
284	Biorefinery of spent coffee grounds waste: Viable pathway towards circular bioeconomy. <i>Bioresource Technology</i> , 2020 , 302, 122821	11	41
283	Microalgae based biorefinery promoting circular bioeconomy-techno economic and life-cycle analysis. <i>Bioresource Technology</i> , 2020 , 302, 122822	11	88
282	A novel energetically efficient combinative microwave pretreatment for achieving profitable hydrogen production from marine macro algae (<i>Ulva reticulata</i>). <i>Bioresource Technology</i> , 2020 , 301, 122759	11	13
281	Batch fed single chambered microbial electrolysis cell for the treatment of landfill leachate. <i>Renewable Energy</i> , 2020 , 153, 168-174	8.1	13
280	Constructed Wetlands: An Emerging Green Technology for the Treatment of Industrial Wastewaters. <i>Microorganisms for Sustainability</i> , 2020 , 21-44	1.1	3

279	Production of fine chemicals from food wastes 2020 , 163-188		6
278	Deployment of Biogas Production Technologies in Emerging Countries 2020 , 395-424		
277	Production and Utilization of Methane Biogas as Renewable Fuel 2020 , 447-463		2
276	Electro-Fermentation of Biomass for High-Value Organic Acids. <i>Clean Energy Production Technologies</i> , 2020 , 417-436		0.8
275	Valorization of food waste for bioethanol and biobutanol production 2020 , 39-73		7
274	Aerobic biodegradation of food wastes 2020 , 235-250		5
273	Integrated biorefineries of food waste 2020 , 275-298		4
272	Bioconversion of marine waste biomass for biofuel and value-added products recovery 2020 , 481-507		3
271	Industrial wastewater to biohydrogen: Possibilities towards successful biorefinery route. <i>Bioresource Technology</i> , 2020 , 298, 122378	11	33
270	Impact of pretreatment on food waste for biohydrogen production: A review. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 18211-18225	6.7	34
269	Recent developments in pretreatment technologies on lignocellulosic biomass: Effect of key parameters, technological improvements, and challenges. <i>Bioresource Technology</i> , 2020 , 300, 122724	11	240
268	Biohythane production from food processing wastes - Challenges and perspectives. <i>Bioresource Technology</i> , 2020 , 298, 122449	11	40
267	Disperser coupled rhamnolipid disintegration of pulp and paper mill waste biosolid: Characterisation, methane production, energy assessment and cost analysis. <i>Bioresource Technology</i> , 2020 , 297, 122545	11	5
266	Various potential techniques to reduce the water footprint of microalgal biomass production for biofuel-A review. <i>Science of the Total Environment</i> , 2020 , 749, 142218	10.2	19
265	Profitable biomethane production from delignified rice straw biomass: the effect of lignin, energy and economic analysis. <i>Green Chemistry</i> , 2020 , 22, 8024-8035	10	18
264	Surfactant assisted microwave disintegration of green marine macroalgae for enhanced anaerobic biodegradability and biomethane recovery. <i>Fuel</i> , 2020 , 281, 118802	7.1	5
263	Application of halophiles in air cathode MFC for seafood industrial wastewater treatment and energy production under high saline condition. <i>Environmental Technology and Innovation</i> , 2020 , 20, 101179		11
262	Evaluation of the biochemical methane potential of different sorts of Algerian date biomass. <i>Environmental Technology and Innovation</i> , 2020 , 20, 101180	7	11

261	Thermochemical conversion routes of hydrogen production from organic biomass: processes, challenges and limitations. <i>Biomass Conversion and Biorefinery</i> , 2020 , 1	2.3	7
260	Treatment of seafood industrial wastewater coupled with electricity production using air cathode microbial fuel cell under saline condition. <i>International Journal of Energy Research</i> , 2020 , 44, 12535-12543	4.5	14
259	Food waste valorization: Biofuels and value added product recovery. <i>Bioresource Technology Reports</i> , 2020 , 11, 100524	4.1	37
258	Biogas Production from Organic Waste: Recent Progress and Perspectives. <i>Waste and Biomass Valorization</i> , 2020 , 11, 1019-1040	3.2	71
257	Rhamnolipid induced deagglomeration of anaerobic granular biosolids for energetically feasible ultrasonic homogenization and profitable biohydrogen. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 5890-5899	6.7	15
256	Biohydrogen production from seagrass via novel energetically efficient ozone coupled rotor stator homogenization. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 5881-5889	6.7	13
255	Energetically feasible biohydrogen production from sea eelgrass via homogenization through a surfactant, sodium tripolyphosphate. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 5900-5910	6.7	12
254	Textile Industry Wastewaters as Major Sources of Environmental Contamination: Bioremediation Approaches for Its Degradation and Detoxification 2020 , 135-167		7
253	Immobilized ZnO nano film impelled bacterial disintegration of dairy sludge to enrich anaerobic digestion for profitable bioenergy production: Energetic and economic analysis. <i>Bioresource Technology</i> , 2020 , 308, 123276	11	9
252	TiO ₂ - chitosan thin film induced solar photocatalytic deflocculation of sludge for profitable bacterial pretreatment and biofuel production. <i>Fuel</i> , 2020 , 273, 117741	7.1	4
251	Profitable sludge management via novel combined ozone disperser pretreatment coupled with membrane bioreactor for treating confectionary wastewater. <i>Journal of Cleaner Production</i> , 2019 , 239, 118102	10.3	12
250	Anaerobic membrane bioreactor towards biowaste biorefinery and chemical energy harvest: Recent progress, membrane fouling and future perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 115, 109392	16.2	57
249	Effect of low intensity sonic mediated fragmentation of anaerobic granules on biosurfactant secreting bacterial pretreatment: Energy and mass balance analysis. <i>Bioresource Technology</i> , 2019 , 279, 156-165	11	20
248	Evaluation of photocatalytic thin film pretreatment on anaerobic degradability of exopolymer extracted biosolids for biofuel generation. <i>Bioresource Technology</i> , 2019 , 279, 132-139	11	13
247	Wheat straw extracted lignin in silver nanoparticles synthesis: Expanding its prophecy towards antineoplastic potency and hydrogen peroxide sensing ability. <i>International Journal of Biological Macromolecules</i> , 2019 , 128, 391-400	7.9	58
246	Optimized transesterification reaction for efficient biodiesel production using Indian oil sardine fish as feedstock. <i>Fuel</i> , 2019 , 253, 921-929	7.1	28
245	Transesterification and fuel characterization of rice bran oil: A biorefinery path. <i>Fuel</i> , 2019 , 253, 975-987	7.1	12
244	Valorization of spent coffee grounds into biofuels and value-added products: Pathway towards integrated bio-refinery. <i>Fuel</i> , 2019 , 254, 115640	7.1	61

243	Nanoparticle induced biological disintegration: A new phase separated pretreatment strategy on microalgal biomass for profitable biomethane recovery. <i>Bioresource Technology</i> , 2019 , 289, 121624	11	28
242	Synergetic pretreatment of algal biomass through H ₂ O ₂ induced microwave in acidic condition for biohydrogen production. <i>Fuel</i> , 2019 , 253, 833-839	7.1	36
241	Trends and resource recovery in biological wastewater treatment system. <i>Bioresource Technology Reports</i> , 2019 , 7, 100235	4.1	36
240	A review on the conversion of volatile fatty acids to polyhydroxyalkanoates using dark fermentative effluents from hydrogen production. <i>Bioresource Technology</i> , 2019 , 287, 121427	11	50
239	Synergistic effect and biodegradation kinetics of sewage sludge and food waste mesophilic anaerobic co-digestion and the underlying stimulation mechanisms. <i>Fuel</i> , 2019 , 253, 40-49	7.1	48
238	Bioelectricity generation and effect studies from organic rich chocolaterie wastewater using continuous upflow anaerobic microbial fuel cell. <i>Fuel</i> , 2019 , 251, 224-232	7.1	44
237	Leachate valorization in anaerobic biosystems: Towards the realization of waste-to-energy concept via biohydrogen, biogas and bioelectrochemical processes. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 17278-17296	6.7	11
236	Anaerobic membrane bioreactors for wastewater treatment: Novel configurations, fouling control and energy considerations. <i>Bioresource Technology</i> , 2019 , 283, 358-372	11	121
235	Feasibility analysis of homogenizer coupled solar photo Fenton process for waste activated sludge reduction. <i>Journal of Environmental Management</i> , 2019 , 238, 251-256	7.9	11
234	Synergistic effect of combined pretreatment in solubilizing fruits and vegetable residue for biogas production: Hydrolysis, energy assessment. <i>Fuel</i> , 2019 , 250, 194-202	7.1	21
233	Thermophilic anaerobic digestion of model organic wastes: Evaluation of biomethane production and multiple kinetic models analysis. <i>Bioresource Technology</i> , 2019 , 280, 269-276	11	44
232	Energetically efficient microwave disintegration of waste activated sludge for biofuel production by zeolite: Quantification of energy and biodegradability modelling. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 2274-2288	6.7	35
231	Biohydrogen production from rice straw: Effect of combinative pretreatment, modelling assessment and energy balance consideration. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 2203-2215	6.7	57
230	Biohydrogen Production From Industrial Wastewater 2019 , 733-760		3
229	A review on biopolymer production via lignin valorization. <i>Bioresource Technology</i> , 2019 , 290, 121790	11	107
228	Biohydrogen production from industrial wastewater: An overview. <i>Bioresource Technology Reports</i> , 2019 , 7, 100287	4.1	52
227	Biopolymer production in bio electrochemical system: Literature survey. <i>Bioresource Technology Reports</i> , 2019 , 7, 100283	4.1	11
226	Biohydrogen Generation From Macroalgal Biomass, <i>Chaetomorpha antennina</i> Through Surfactant Aided Microwave Disintegration. <i>Frontiers in Energy Research</i> , 2019 , 7,	3.8	14

225	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> , 2019 , 293, 122062	11	16
224	Biocompatible nanoparticles with enhanced photocatalytic and anti-microfouling potential. <i>International Biodeterioration and Biodegradation</i> , 2019 , 145, 104790	4.8	14
223	Municipal Solid Waste Management. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2019 , 96-116	6.5	
222	Biohydrogen Production From Renewable Biomass Resources 2019 , 247-277		21
221	Comparative study about the performance of three types of modified natural treatment systems for rice noodle wastewater. <i>Bioresource Technology</i> , 2019 , 282, 163-170	11	9
220	Pretreatment of kenaf (<i>Hibiscus cannabinus</i> L.) biomass feedstock for polyhydroxybutyrate (PHB) production and characterization. <i>Bioresource Technology</i> , 2019 , 282, 75-80	11	54
219	A perspective on galactose-based fermentative hydrogen production from macroalgal biomass: Trends and opportunities. <i>Bioresource Technology</i> , 2019 , 280, 447-458	11	27
218	Influence of Mild-Ozone Assisted Disperser Pretreatment on the Enhanced Biogas Generation and Biodegradability of Green Marine Macroalgae. <i>Frontiers in Energy Research</i> , 2019 , 7,	3.8	6
217	Effect of Dispersion Treatment on Dairy Waste Activated Sludge to Hasten the Production of Biogas. <i>Frontiers in Energy Research</i> , 2019 , 7,	3.8	2
216	A review on lignin structure, pretreatments, fermentation reactions and biorefinery potential. <i>Bioresource Technology</i> , 2019 , 271, 462-472	11	239
215	Application of nanotechnology (nanoparticles) in dark fermentative hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 1431-1440	6.7	69
214	Recent Developments in Biological Nutrient Removal. <i>Energy, Environment, and Sustainability</i> , 2019 , 211-236	2.86	4
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