Yukesh Kannah R

List of Publications by Year
in descending order

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65 papers	2,366 citations	186209 28 h-index	214721 47 g-index
67 all docs	67 docs citations	67 times ranked	1772 citing authors

#	Article	IF	Citations
1	Thermochemical conversion routes of hydrogen production from organic biomass: processes, challenges and limitations. Biomass Conversion and Biorefinery, 2023, 13, 8509-8534.	2.9	16
2	Lignocellulosic biomass-based pyrolysis: A comprehensive review. Chemosphere, 2022, 286, 131824.	4.2	129
3	Impact of novel deflocculant ZnO/Chitosan nanocomposite film in disperser pretreatment enhancing energy efficient anaerobic digestion: Parameter assessment and cost exploration. Chemosphere, 2022, 286, 131835.	4.2	6
4	Algal-based system for removal of emerging pollutants from wastewater: A review. Bioresource Technology, 2022, 344, 126245.	4.8	68
5	Prediction of effective substrate concentration and its impact on biogas production using Artificial Neural Networks in Hybrid Upflow anaerobic Sludge Blanket reactor for treating landfill leachate. Fuel, 2022, 313, 122697.	3.4	6
6	Mild hydrogen peroxide interceded bacterial disintegration of waste activated sludge for efficient biomethane production. Science of the Total Environment, 2022, 817, 152873.	3.9	11
7	Profitable disperser coupled surfactant pretreatment of aquatic phytomass for energy efficient solubilization and biomethanation: a study on lignin inhibition and its possible solutions. Sustainable Energy and Fuels, 2022, 6, 3195-3207.	2.5	7
8	Wastewater based microalgae valorization for biofuel and value-added products recovery. Sustainable Energy Technologies and Assessments, 2022, 53, 102443.	1.7	7
9	Techno-economic assessment of various hydrogen production methods â€“ A review. Bioresource Technology, 2021, 319, 124175.	4.8	249
10	Integrated biorefinery routes of biohydrogen: Possible utilization of acidogenic fermentative effluent. Bioresource Technology, 2021, 319, 124241.	4.8	46
11	Trends in Biological Nutrient Removal for the Treatment of Low Strength Organic Wastewaters. Current Pollution Reports, 2021, 7, 1-30.	3.1	17
12	Food Waste Properties. , 2021, , 11-41.		3
13	Ultrasonic induced mechanoacoustic effect on delignification of rice straw for cost effective biopretreatment and biomethane recovery. Sustainable Energy and Fuels, 2021, 5, 1832-1844.	2.5	17
14	A critical review on limitations and enhancement strategies associated with biohydrogen production. International Journal of Hydrogen Energy, 2021, 46, 16565-16590.	3.8	55
15	A review on energy and cost effective phase separated pretreatment of biosolids. Water Research, 2021, 198, 117169.	5.3	16
16	A review on anaerobic digestion of energy and cost effective microalgae pretreatment for biogas production. Bioresource Technology, 2021, 332, 125055.	4.8	35
17	Valorization of agricultural residues: Different biorefinery routes. Journal of Environmental Chemical Engineering, 2021, 9, 105435.	3.3	50
18	Effect of Solubilization on Acidification, Anaerobic Biodegradability, and Economic Feasibility via Ultrasonicâ€“Zerovalent Ironâ€“Acidic pH Pretreatment of Sludge. Energy & Fuels, 2021, 35, 16617-16628.	2.5	3

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19	A Mini Review of Biochemical Conversion of Algal Biorefinery. Energy & Fuels, 2021, 35, 16995-17007.	2.5	16
20	Spent coffee grounds based circular bioeconomy: Technoeconomic and commercialization aspects. Renewable and Sustainable Energy Reviews, 2021, 152, 111721.	8.2	17
21	Lignocellulosic Biomass Pretreatment for Enhanced Bioenergy Recovery: Effect of Lignocelluloses Recalcitrance and Enhancement Strategies. Frontiers in Energy Research, 2021, 9, .	1.2	26
22	Polyhydroxyalkanoates synthesis using acidogenic fermentative effluents. International Journal of Biological Macromolecules, 2021, 193, 2079-2092.	3.6	8
23	Rhamnolipid induced deagglomeration of anaerobic granular biosolids for energetically feasible ultrasonic homogenization and profitable biohydrogen. International Journal of Hydrogen Energy, 2020, 45, 5890-5899.	3.8	27
24	Biohydrogen production from seagrass via novel energetically efficient ozone coupled rotor stator homogenization. International Journal of Hydrogen Energy, 2020, 45, 5881-5889.	3.8	25
25	Bioconversion of marine waste biomass for biofuel and value-added products recovery. , 2020, , 481-507.		4
26	Industrial wastewater to biohydrogen: Possibilities towards successful biorefinery route. Bioresource Technology, 2020, 298, 122378.	4.8	55
27	Impact of pretreatment on food waste for biohydrogen production: A review. International Journal of Hydrogen Energy, 2020, 45, 18211-18225.	3.8	69
28	Biohythane production from food processing wastes â€“ Challenges and perspectives. Bioresource Technology, 2020, 298, 122449.	4.8	72
29	Profitable biomethane production from delignified rice straw biomass: the effect of lignin, energy and economic analysis. Green Chemistry, 2020, 22, 8024-8035.	4.6	37
30	Food waste valorization: Biofuels and value added product recovery. Bioresource Technology Reports, 2020, 11, 100524.	1.5	70
31	Introduction: sources and characterization of food waste and food industry wastes. , 2020, , 1-13.		9
32	Production of organic acids and enzymes/biocatalysts from food waste. , 2020, , 119-141.		8
33	Specialty chemicals and nutraceuticals production from food industry wastes. , 2020, , 189-209.		6
34	Bioenergy recovery from food processing wastewaterâ€"Microbial fuel cell. , 2020, , 251-274.		3
35	Analysis and regulation policies of food waste based on circular bioeconomies. , 2020, , 389-400.		0
36	Biohydrogen. , 2020, , 51-87.		1

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37	Application of chemo thermal coupled sonic homogenization of marine macroalgal biomass for energy efficient volatile fatty acid recovery. Bioresource Technology, 2020, 303, 122951.	4.8	18
38	Cost effective biomethanation via surfactant coupled ultrasonic liquefaction of mixed microalgal biomass harvested from open raceway pond. Bioresource Technology, 2020, 304, 123021.	4.8	20
39	Biorefinery of spent coffee grounds waste: Viable pathway towards circular bioeconomy. Bioresource Technology, 2020, 302, 122821.	4.8	71
40	A novel energetically efficient combinative microwave pretreatment for achieving profitable hydrogen production from marine macro algae (Ulva reticulate). Bioresource Technology, 2020, 301, 122759.	4.8	32
41	Valorization of food waste for bioethanol and biobutanol production. , 2020, , 39-73.		16
42	Aerobic biodegradation of food wastes. , 2020, , 235-250.		8
43	Energetically efficient microwave disintegration of waste activated sludge for biofuel production by zeolite: Quantification of energy and biodegradability modelling. International Journal of Hydrogen Energy, 2019, 44, 2274-2288.	3.8	42
44	Biohydrogen production from rice straw: Effect of combinative pretreatment, modelling assessment and energy balance consideration. International Journal of Hydrogen Energy, 2019, 44, 2203-2215.	3.8	90
45	A review on biopolymer production via lignin valorization. Bioresource Technology, 2019, 290, 121790.	4.8	180
46	Profitable sludge management via novel combined ozone disperser pretreatment coupled with membrane bioreactor for treating confectionary wastewater. Journal of Cleaner Production, 2019, 239, 118102.	4.6	15
47	Effect of low intensity sonic mediated fragmentation of anaerobic granules on biosurfactant secreting bacterial pretreatment: Energy and mass balance analysis. Bioresource Technology, 2019, 279, 156-165.	4.8	29
48	Valorization of Nutrient-Rich Urinal Wastewater by Microalgae for Biofuel Production. , 2019, , 393-426.		3
49	Nanoparticle induced biological disintegration: A new phase separated pretreatment strategy on microalgal biomass for profitable biomethane recovery. Bioresource Technology, 2019, 289, 121624.	4.8	47
50	Trends and resource recovery in biological wastewater treatment system. Bioresource Technology Reports, 2019, 7, 100235.	1.5	46
51	Effect of Dispersion Treatment on Dairy Waste Activated Sludge to Hasten the Production of Biogas. Frontiers in Energy Research, 2019, 7, .	1.2	8
52	Recent Developments in Biological Nutrient Removal. Energy, Environment, and Sustainability, 2019, , 211-236.	0.6	4
53	Post-treatment methods for organic solid wastes. , 2019, , 323-362.		3
54	Disperser-induced bacterial disintegration of partially digested anaerobic sludge for efficient biomethane recovery. Chemical Engineering Journal, 2018, 347, 165-172.	6.6	39

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55	Sodium thiosulphate induced immobilized bacterial disintegration of sludge: An energy efficient and cost effective platform for sludge management and biomethanation. Bioresource Technology, 2018, 260, 273-282.	4.8	28
56	Marsilea spp.â€"A novel source of lignocellulosic biomass: Effect of solubilized lignin on anaerobic biodegradability and cost of energy products. Bioresource Technology, 2018, 255, 220-228.	4.8	53
57	Food Waste Valorization by Microalgae. Energy, Environment, and Sustainability, 2018, , 319-342.	0.6	8
58	Recent advances on biogranules formation in dark hydrogen fermentation system: Mechanism of formation and microbial characteristics. Bioresource Technology, 2018, 268, 787-796.	4.8	42
59	Novel insights into scalability of biosurfactant combined microwave disintegration of sludge at alkali pH for achieving profitable bioenergy recovery and net profit. Bioresource Technology, 2018, 267, 281-290.	4.8	58
60	Synergetic effect of combined pretreatment for energy efficient biogas generation. Bioresource Technology, 2017, 232, 235-246.	4.8	70
61	Biological disintegration of microalgae for biomethane recovery-prediction of biodegradability and computation of energy balance. Bioresource Technology, 2017, 244, 1367-1375.	4.8	44
62	Dispersion induced ozone pretreatment of waste activated biosolids: Arriving biomethanation modelling parameters, energetic and cost assessment. Bioresource Technology, 2017, 244, 679-687.	4.8	75
63	Activated Sludge Process and Energy. , 2017, , 187-210.		2
64	Combined thermo-chemo-sonic disintegration of waste activated sludge for biogas production. Bioresource Technology, 2015, 197, 383-392.	4.8	120
65	Introductory Chapter: An Overview of Biogas. , 0, , .		0