Gangagni Rao Anupoju

List of Publications by Year
in descending order

27	595	759233	610901
papers	citations	12 h-index	24 g-index

29	29	29	666
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Anaerobic Co-digestion of Biogenic Wastes Available at Palm Oil Extraction Factory: Assessment of Methane Yield, Estimation of Kinetic Parameters and Understanding the Microbial Diversity. Bioenergy Research, 2023, 16, 213-227.	3.9	4
2	Improved biomethanation of horse manure through acid-thermal pretreatment and supplementation of iron nanoparticles under mesophilic and thermophilic conditions. Biomass Conversion and Biorefinery, 2022, 12, 2993-3006.	4.6	2
3	Solid state anaerobic digestion of organic waste for the generation of biogas and bio manure. , 2022, , 247-277.		5
4	Evaluating the impact of Iron Oxide nanoparticles (IO-NPs) and IO-NPs doped granular activated carbon on the anaerobic digestion of food waste at mesophilic and thermophilic temperature. Journal of Environmental Chemical Engineering, 2022, 10, 107388.	6.7	12
5	Silica extraction followed by biogas generation from rice straw: Investigating the impact of pretreatment on purity of silica, biogas yield and microbial diversity along with insights on techno-economic analysis. Journal of Environmental Chemical Engineering, 2022, 10, 108274.	6.7	10
6	Anaerobic co-digestion of food waste and cardboard in different mixing ratios: Impact of ultrasound pre-treatment on soluble organic matter and biogas generation potential at varying food to inoculum ratios. Biochemical Engineering Journal, 2021, 166, 107853.	3.6	11
7	Surface Ozone and its Precursor Gases Concentrations during COVID-19 Lockdown and Pre-Lockdown Periods in Hyderabad City, India. Environmental Processes, 2021, 8, 959-972.	3.5	11
8	Removal of NH₃ and H₂S from odor causing tannery emissions using biological filters: Impact of operational strategy on the performance of a pilot-scale bio-filter. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2021, 56, 625-634.	1.7	5
9	Solid-state anaerobic co-digestion of food waste and cardboard in a pilot-scale auto-fed continuous stirred tank reactor system. Journal of Cleaner Production, 2021, 289, 125775.	9.3	15
10	Understanding the substrate mediated microbial community shift within the anaerobic ecosystems via 16S metagenomic studies. Bioresource Technology Reports, 2021, 15, 100793.	2.7	3
11	Solid-state anaerobic digestion of sugarcane bagasse at different solid concentrations: Impact of bio augmented cellulolytic bacteria on methane yield and insights on microbial diversity. Bioresource Technology, 2021, 340, 125675.	9.6	13
12	Solid state anaerobic digestion of food waste and sewage sludge: Impact of mixing ratios and temperature on microbial diversity, reactor stability and methane yield. Science of the Total Environment, 2021, 793, 148586.	8.0	31
13	Operational strategy of high rate anaerobic digester with mixed organic wastes: effect of co-digestion on biogas yield at full scale. Environmental Technology (United Kingdom), 2020, 41, 1151-1159.	2.2	15
14	Anaerobic mono and co-digestion of organic fraction of municipal solid waste and landfill leachate at industrial scale: Impact of volatile organic loading rate on reaction kinetics, biogas yield and microbial diversity. Science of the Total Environment, 2020, 748, 142462.	8.0	18
15	Optimization of feed and extractant concentration for the liquidâ€“liquid extraction of volatile fatty acids from synthetic solution and landfill leachate. Journal of Industrial and Engineering Chemistry, 2020, 90, 190-202.	5.8	11
16	Significance of Pretreatment in Enhancing the Performance of Dry Anaerobic Digestion of Food Waste: An Insight on Full Scale Implementation Strategy with Theoretical Analogy. Processes, 2020, 8, 1018.	2.8	11
17	Seasonal ground level ozone prediction using multiple linear regression (MLR) model. Modeling Earth Systems and Environment, 2020, 6, 1981-1989.	3.4	15
18	Comparison of mesophilic and thermophilic methane production potential of acids rich and high-strength landfill leachate at different initial organic loadings and food to inoculum ratios. Science of the Total Environment, 2020, 715, 136658.	8.0	15

#	Article	IF	Citations
19	Evaluation of single and two stage anaerobic digestion of landfill leachate: Effect of pH and initial organic loading rate on volatile fatty acid (VFA) and biogas production. Bioresource Technology, 2018, 251, 364-373.	9.6	101
20	Dry anaerobic co-digestion of food waste and cattle manure: Impact of total solids, substrate ratio and thermal pre treatment on methane yield and quality of biomanure. Bioresource Technology, 2018, 253, 273-280.	9.6	68
21	Relative evaluation of micronutrients (MN) and its respective nanoparticles (NPs) as additives for the enhanced methane generation. Bioresource Technology, 2017, 238, 290-295.	9.6	42
22	Exploitation of rapid acidification phenomena of food waste in reducing the hydraulic retention time (HRT) of high rate anaerobic digester without conceding on biogas yield. Bioresource Technology, 2017, 226, 65-72.	9.6	42
23	Rapid generation of volatile fatty acids (VFA) through anaerobic acidification of livestock organic waste at low hydraulic residence time (HRT). Bioresource Technology, 2017, 238, 188-193.	9.6	50
24	Process intensification with inline pre and post processing mechanism for valorization of poultry litter through high rate biomethanation technology: A full scale experience. Renewable Energy, 2017, 114, 428-436.	8.9	10
25	Cooked and uncooked food waste: A viable feedstock for generation of value added products through biorefinery approach. Chemical Engineering Research and Design, 2016, 107, 43-51.	5.6	23
26	Single cell protein production from digested and undigested poultry litter by Candida utilis: optimization of process parameters using response surface methodology. Clean Technologies and Environmental Policy, 2013, 15, 265-273.	4.1	31
27	Role of Nitrogen Oxides, Black Carbon, and Meteorological Parameters on the Variation of Surface Ozone Levels at a Tropical Urban Site â€“ Hyderabad, India. Clean - Soil, Air, Water, 2013, 41, 215-225.	1.1	21