

Kunwar Paritosh

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,373
citations

471371

17
h-index

526166

27
g-index

29
all docs

29
docs citations

29
times ranked

1474
citing authors

#	ARTICLE	IF	CITATIONS
1	Food Waste to Energy: An Overview of Sustainable Approaches for Food Waste Management and Nutrient Recycling. <i>BioMed Research International</i> , 2017, 2017, 1-19.	0.9	338
2	Seafood waste: a source for preparation of commercially employable chitin/chitosan materials. <i>Bioresources and Bioprocessing</i> , 2019, 6, .	2.0	300
3	De-construction of major Indian cereal crop residues through chemical pretreatment for improved biogas production: An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 160-170.	8.2	82
4	Organic Fraction of Municipal Solid Waste: Overview of Treatment Methodologies to Enhance Anaerobic Biodegradability. <i>Frontiers in Energy Research</i> , 2018, 6, .	1.2	70
5	Coupled treatment of lignocellulosic agricultural residues for augmented biomethanation. <i>Journal of Cleaner Production</i> , 2019, 213, 75-88.	4.6	56
6	Weak alkaline treatment of wheat and pearl millet straw for enhanced biogas production and its economic analysis. <i>Renewable Energy</i> , 2019, 139, 753-764.	4.3	54
7	Lignocellulose to bio-hydrogen: An overview on recent developments. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 18195-18210.	3.8	47
8	Additives as a Support Structure for Specific Biochemical Activity Boosts in Anaerobic Digestion: A Review. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	44
9	Production of biofuels from biomass: Predicting the energy employing artificial intelligence modelling. <i>Bioresource Technology</i> , 2021, 340, 125642.	4.8	40
10	Feasibility study of waste (d) potential: co-digestion of organic wastes, synergistic effect and kinetics of biogas production. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 1009-1018.	1.8	35
11	Biochar enabled syntrophic action: Solid state anaerobic digestion of agricultural stubble for enhanced methane production. <i>Bioresource Technology</i> , 2019, 289, 121712.	4.8	33
12	Strategies to improve solid state anaerobic bioconversion of lignocellulosic biomass: an overview. <i>Bioresource Technology</i> , 2021, 331, 125036.	4.8	33
13	Integrated system of anaerobic digestion and pyrolysis for valorization of agricultural and food waste towards circular bioeconomy: Review. <i>Bioresource Technology</i> , 2022, 360, 127596.	4.8	31
14	Simultaneous alkaline treatment of pearl millet straw for enhanced solid state anaerobic digestion: Experimental investigation and energy analysis. <i>Journal of Cleaner Production</i> , 2020, 252, 119798.	4.6	29
15	Organic waste conversion through anaerobic digestion: A critical insight into the metabolic pathways and microbial interactions. <i>Metabolic Engineering</i> , 2022, 69, 323-337.	3.6	27
16	GIS Application for the Estimation of Bioenergy Potential from Agriculture Residues: An Overview. <i>Energies</i> , 2021, 14, 898.	1.6	24
17	Reprint of Organic waste conversion through anaerobic digestion: A critical insight into the metabolic pathways and microbial interactions. <i>Metabolic Engineering</i> , 2022, 71, 62-76.	3.6	24
18	Genetic Engineering of Energy Crops to Reduce Recalcitrance and Enhance Biomass Digestibility. <i>Agriculture (Switzerland)</i> , 2018, 8, 76.	1.4	17

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19	Prioritization of solid concentration and temperature for solid state anaerobic digestion of pearl millet straw employing multi-criteria assessment tool. <i>Scientific Reports</i> , 2019, 9, 11902.	1.6	16
20	Multicriteria Decision Model and Thermal Pretreatment of Hotel Food Waste for Robust Output to Biogas: Case Study from City of Jaipur, India. <i>BioMed Research International</i> , 2018, 2018, 1-13.	0.9	15
21	CFD approach for pumped-recirculation mixing strategy in wastewater treatment: Minimizing power consumption, enhancing resource recovery in commercial anaerobic digester. <i>Journal of Water Process Engineering</i> , 2021, 40, 101777.	2.6	13
22	Enhancing hydrolysis and syntropy simultaneously in solid state anaerobic digestion: Digester performance and techno-economic evaluation. <i>Bioresource Technology</i> , 2021, 338, 125538.	4.8	13
23	Hotel Generated Food Waste and Its Biogas Potential: A Case Study of Jaipur City, India. <i>Waste and Biomass Valorization</i> , 2019, 10, 1459-1468.	1.8	12
24	Bioengineered bioreactors: a review on enhancing biomethane and biohydrogen production by CFD modeling. <i>Bioengineered</i> , 2021, 12, 6418-6433.	1.4	8
25	Linkages between Respiratory Symptoms in Women and Biofuel Use: Regional Case Study of Rajasthan, India. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3594.	1.2	5
26	Food wastes from hospitality sector as versatile bioresources for bio-products: an overview. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 955-964.	1.6	4
27	Solid state anaerobic digestion of water poor feedstock for methane yield: an overview of process characteristics and challenges. <i>Waste Disposal & Sustainable Energy</i> , 2021, 3, 227-245.	1.1	2
28	Hydrothermal, acidic, and alkaline pretreatment of waste flower-mix for enhanced biogas production: a comparative assessment. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	1