

Kundan Samal

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

689
citations

686830

13
h-index

794141

19
g-index

21
all docs

21
docs citations

21
times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmaceutical wastewater as Emerging Contaminants (EC): Treatment technologies, impact on environment and human health. <i>Energy Nexus</i> , 2022, 6, 100076.	3.3	127
2	Ecological floating bed (EFB) for decontamination of polluted water bodies: Design, mechanism and performance. <i>Journal of Environmental Management</i> , 2019, 251, 109550.	3.8	87
3	Treatment of wastewater by vermifiltration integrated with macrophyte filter: A review. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 2274-2289.	3.3	78
4	Vermifiltration as a sustainable natural treatment technology for the treatment and reuse of wastewater: A review. <i>Journal of Environmental Management</i> , 2019, 247, 140-151.	3.8	49
5	Assessment of compost maturity-stability indices and recent development of composting bin. <i>Energy Nexus</i> , 2022, 6, 100062.	3.3	45
6	Performance assessment of a <i>Canna indica</i> assisted vermifilter for synthetic dairy wastewater treatment. <i>Chemical Engineering Research and Design</i> , 2017, 111, 363-374.	2.7	39
7	Application of vermifiltration technology in waste management: A review on mechanism and performance. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103392.	3.3	39
8	Design and development of a hybrid macrophyte assisted vermifilter for the treatment of dairy wastewater: A statistical and kinetic modelling approach. <i>Science of the Total Environment</i> , 2018, 645, 156-169.	3.9	37
9	Waste Stabilization Pond (WSP) for wastewater treatment: A review on factors, modelling and cost analysis. <i>Journal of Environmental Management</i> , 2022, 308, 114668.	3.8	35
10	Effect of hydraulic loading rate and pollutants degradation kinetics in two stage hybrid macrophyte assisted vermifiltration system. <i>Biochemical Engineering Journal</i> , 2018, 132, 47-59.	1.8	29
11	A comparative study of macrophytes influence on performance of hybrid vermifilter for dairy wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4714-4726.	3.3	29
12	Emission of greenhouse gases (GHGs) during composting and vermicomposting: Measurement, mitigation, and perspectives. <i>Energy Nexus</i> , 2022, 7, 100092.	3.3	24
13	Challenges in the implementation of Phyto Fuel System (PFS) for wastewater treatment and harnessing bio-energy. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104388.	3.3	16
14	Biological Treatment of Contaminants of Emerging Concern in Wastewater: A Review. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2022, 26, .	1.2	14
15	Design of faecal sludge treatment plant (FSTP) and availability of its treatment technologies. <i>Energy Nexus</i> , 2022, 7, 100091.	3.3	13
16	Assessing the impact of vegetation coverage ratio in a floating water treatment bed of <i>Pistia stratiotes</i> . <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	12
17	A statistical and kinetic approach to develop a Floating Bed for the treatment of wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104102.	3.3	7
18	Modelling of pollutants removal in Integrated Vermifilter (IVmF) using response surface methodology. <i>Cleaner Engineering and Technology</i> , 2021, 2, 100060.	2.1	6

#	ARTICLE	IF	CITATIONS
19	Investigation on the Effect of Planting Canna Indica in Two-Stage Vermifilter for Synthetic Dairy Wastewater Treatment. Lecture Notes in Civil Engineering, 2020, , 289-297.	0.3	3
20	Incorporation of Earthworms and Dolochar in Biofilter: An Attempt Towards Maximizing Nutrients Removal. Lecture Notes in Civil Engineering, 2020, , 409-415.	0.3	0