

Happwell Musarandega

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7176010/publications.pdf>

Version: 2024-02-01

28
papers

668
citations

759055

12
h-index

580701

25
g-index

29
all docs

29
docs citations

29
times ranked

867
citing authors

#	ARTICLE	IF	CITATIONS
1	An Overview of the Control of Bacterial Pathogens in Cattle Manure. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 843.	1.2	155
2	Microbial Anaerobic Digestion (Bio-Digesters) as an Approach to the Decontamination of Animal Wastes in Pollution Control and the Generation of Renewable Energy. <i>International Journal of Environmental Research and Public Health</i> , 2013, 10, 4390-4417.	1.2	137
3	Biogas digester types installed in South Africa: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 172-180.	8.2	55
4	Anaerobic digestion: Technology for biogas production as a source of renewable energyâ€”A review. <i>Energy and Environment</i> , 2021, 32, 191-225.	2.7	46
5	Inactivation of Selected Bacterial Pathogens in Dairy Cattle Manure by Mesophilic Anaerobic Digestion (Balloon Type Digester). <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 7184-7194.	1.2	34
6	Biogas Upgrading Approaches with Special Focus on Siloxane Removalâ€”A Review. <i>Energies</i> , 2020, 13, 6088.	1.6	32
7	Temperature Stability of Traditional and Low-cost Modern Housing in the Eastern Cape, South Africa. <i>Journal of Building Physics</i> , 2006, 30, 71-86.	1.2	27
8	Concentrator Augmented Wind Turbines: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 59, 1415-1418.	8.2	25
9	Thermal behaviour and ventilation efficiency of a low-cost passive solar energy efficient house. <i>Renewable Energy</i> , 2008, 33, 1959-1973.	4.3	21
10	Bioenergy from bio-waste: a bibliometric analysis of the trend in scientific research from 1998â€”2018. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1077-1092.	2.9	19
11	An investigation into heat recovery from the surface of a cyclone dust collector attached to a downdraft biomass gasifier. <i>Applied Thermal Engineering</i> , 2016, 98, 1158-1164.	3.0	16
12	An analysis of bio-digester substrate heating methods: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 137, 110432.	8.2	13
13	Understanding the Logic of Climate Change Adaptation: Unpacking Barriers to Climate Change Adaptation by Smallholder Farmers in Chimanimani District, Zimbabwe. <i>Sustainability</i> , 2021, 13, 3773.	1.6	12
14	A possible design and justification for a biogas plant at Nyazura Adventist High School, Rusape, Zimbabwe. <i>Journal of Energy in Southern Africa</i> , 2013, 24, 12-21.	0.5	12
15	Harnessing local traditional authorities as a potential strategy to combat the vagaries of climate change in Zimbabwe. <i>Jamba: Journal of Disaster Risk Studies</i> , 2018, 10, 651.	0.4	10
16	Comparative Study on the Performance of Aboveground and Underground Fixedâ€”Dome Biogas Digesters. <i>Chemical Engineering and Technology</i> , 2020, 43, 68-74.	0.9	9
17	Optimization of the Power Output of a Bare Wind Turbine by the Use of a Plain Conical Diffuser. <i>Sustainability</i> , 2018, 10, 2647.	1.6	8
18	Indoor Daylighting and Thermal Response of a Passive Solar Building to Selective Components of Solar Radiation. <i>Buildings</i> , 2021, 11, 34.	1.4	7

#	ARTICLE	IF	CITATIONS
19	Design, construction and mathematical modelling of the performance of a biogas digester for a family in the Eastern Cape province, South Africa. African Journal of Science, Technology, Innovation and Development, 2019, 11, 391-398.	0.8	6
20	Zonal air exchange rate of a passive solar house and resultant sensible air heat transfer. Indoor and Built Environment, 2019, 28, 914-926.	1.5	6
21	Analytical and Thermal Evaluation of Carbon Particles Recovered at the Cyclone of a Downdraft Biomass Gasification System. Sustainability, 2017, 9, 645.	1.6	5
22	Mathematical Modelling of the Performance of a Biogas Digester Fed with Substrates at Different Mixing Ratios. Asian Journal of Scientific Research, 2018, 11, 256-266.	0.3	4
23	Development of a Smart Monitoring and Evaluation Framework for Hybrid Renewable Mini-grids. , 2020, , .		3
24	An Assessment of the Wind Power Generation Potential of Built Environment Wind Turbine (BEWT) Systems in Fort Beaufort, South Africa. Sustainability, 2018, 10, 1346.	1.6	2
25	From the Cyclone Idai disaster to the COVID-19 pandemic: An account of inadvertent social capital enhancement in Eastern Chimanimani, Zimbabwe. Jamba: Journal of Disaster Risk Studies, 2021, 13, 1068.	0.4	2
26	A Comparative Case of the Implications of Various Approaches to Climate Change Adaptation in Bangladesh, India, South Africa, and Zimbabwe. Africanus, 2017, 47, .	0.2	1
27	Biogasification of Horse Dung Using a Cylindrical Surface Batch Biodigester. , 2017, , .		0
28	The Behaviour of Low-Cost Passive Solar Energy Efficient House, South Africa. , 0, , .		0