

Mathias Effenberger

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

577
citations

840776

11
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

955
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of life cycle assessment for biogas production in Europe. Renewable and Sustainable Energy Reviews, 2016, 54, 1291-1300.	16.4	270
2	Agricultural biogas production in Germany - from practice to microbiology basics. Energy, Sustainability and Society, 2014, 4, .	3.8	70
3	Greenhouse gas balance and resource demand of biogas plants in agriculture. Engineering in Life Sciences, 2010, 10, 560-569.	3.6	46
4	Method for assessing and improving the efficiency of agricultural biogas plants based on fuzzy logic and expert systems. Applied Energy, 2014, 134, 163-175.	10.1	30
5	Data Transformation Technique to Improve the Outlier Detection Power of Grubbs's™ Test for Data Expected to Follow Linear Relation. Journal of Applied Mathematics, 2015, 2015, 1-9.	0.9	27
6	New method for assessing the performance of agricultural biogas plants. Renewable Energy, 2012, 40, 104-112.	8.9	23
7	Changes in greenhouse gas balance and resource demand of biogas plants in southern Germany after a period of three years. Waste Management and Research, 2013, 31, 368-375.	3.9	18
8	Environmental impacts concerning flexible power generation in a biogas production. Carbon Resources Conversion, 2019, 2, 117-125.	5.9	17
9	Distribution of specific greenhouse gas emissions from combined heat-and-power production in agricultural biogas plants. Biomass and Bioenergy, 2020, 133, 105443.	5.7	17
10	Mesophilic and thermophilic mesophilic anaerobic digestion of liquid dairy cattle manure. Water Science and Technology, 2006, 53, 253-261.	2.5	13
11	Outlier Detection Method in Linear Regression Based on Sum of Arithmetic Progression. Scientific World Journal, The, 2014, 2014, 1-12.	2.1	13
12	Lifetime development and load response of the electrical efficiency of biogas-driven cogeneration units. Renewable Energy, 2017, 114, 857-865.	8.9	13
13	Quantification of Cryptosporidium parvum in anaerobic digesters treating manure by (reverse-transcription) quantitative real-time PCR, infectivity and excystation tests. Water Science and Technology, 2006, 53, 195-202.	2.5	10
14	Indicative Marker Microbiome Structures Deduced from the Taxonomic Inventory of 67 Full-Scale Anaerobic Digesters of 49 Agricultural Biogas Plants. Microorganisms, 2021, 9, 1457.	3.6	8
15	Continuous Learning Graphical Knowledge Unit for Cluster Identification in High Density Data Sets. Symmetry, 2016, 8, 152.	2.2	1
16	Universal Linear Fit Identification: A Method Independent of Data, Outliers and Noise Distribution Model and Free of Missing or Removed Data Imputation. PLoS ONE, 2015, 10, e0141486.	2.5	1
17	Multiple Memory Structure Bit Reversal Algorithm Based on Recursive Patterns of Bit Reversal Permutation. Mathematical Problems in Engineering, 2014, 2014, 1-12.	1.1	0
18	Multi-Variable, Multi-Layer Graphical Knowledge Unit for Storing and Representing Density Clusters of Multi-Dimensional Big Data. Applied Sciences (Switzerland), 2016, 6, 96.	2.5	0