

Mathias Effenberger

List of Publications by Year in descending order

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18
papers

577
citations

840585

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940416

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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. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 54, 1291-1300.	8.2	270
2	Agricultural biogas production in Germany - from practice to microbiology basics. <i>Energy, Sustainability and Society</i> , 2014, 4, .	1.7	70
3	Greenhouse gas balance and resource demand of biogas plants in agriculture. <i>Engineering in Life Sciences</i> , 2010, 10, 560-569.	2.0	46
4	Method for assessing and improving the efficiency of agricultural biogas plants based on fuzzy logic and expert systems. <i>Applied Energy</i> , 2014, 134, 163-175.	5.1	30
5	Data Transformation Technique to Improve the Outlier Detection Power of Grubbs's™ Test for Data Expected to Follow Linear Relation. <i>Journal of Applied Mathematics</i> , 2015, 2015, 1-9.	0.4	27
6	New method for assessing the performance of agricultural biogas plants. <i>Renewable Energy</i> , 2012, 40, 104-112.	4.3	23
7	Changes in greenhouse gas balance and resource demand of biogas plants in southern Germany after a period of three years. <i>Waste Management and Research</i> , 2013, 31, 368-375.	2.2	18
8	Environmental impacts concerning flexible power generation in a biogas production. <i>Carbon Resources Conversion</i> , 2019, 2, 117-125.	3.2	17
9	Distribution of specific greenhouse gas emissions from combined heat-and-power production in agricultural biogas plants. <i>Biomass and Bioenergy</i> , 2020, 133, 105443.	2.9	17
10	Mesophilic and thermophilic mesophilic anaerobic digestion of liquid dairy cattle manure. <i>Water Science and Technology</i> , 2006, 53, 253-261.	1.2	13
11	Outlier Detection Method in Linear Regression Based on Sum of Arithmetic Progression. <i>Scientific World Journal</i> , The, 2014, 2014, 1-12.	0.8	13
12	Lifetime development and load response of the electrical efficiency of biogas-driven cogeneration units. <i>Renewable Energy</i> , 2017, 114, 857-865.	4.3	13
13	Quantification of <i>Cryptosporidium parvum</i> in anaerobic digesters treating manure by (reverse-transcription) quantitative real-time PCR, infectivity and excystation tests. <i>Water Science and Technology</i> , 2006, 53, 195-202.	1.2	10
14	Indicative Marker Microbiome Structures Deduced from the Taxonomic Inventory of 67 Full-Scale Anaerobic Digesters of 49 Agricultural Biogas Plants. <i>Microorganisms</i> , 2021, 9, 1457.	1.6	8
15	Continuous Learning Graphical Knowledge Unit for Cluster Identification in High Density Data Sets. <i>Symmetry</i> , 2016, 8, 152.	1.1	1
16	Universal Linear Fit Identification: A Method Independent of Data, Outliers and Noise Distribution Model and Free of Missing or Removed Data Imputation. <i>PLoS ONE</i> , 2015, 10, e0141486.	1.1	1
17	Multiple Memory Structure Bit Reversal Algorithm Based on Recursive Patterns of Bit Reversal Permutation. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-12.	0.6	0
18	Multi-Variable, Multi-Layer Graphical Knowledge Unit for Storing and Representing Density Clusters of Multi-Dimensional Big Data. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 96.	1.3	0