

Anne Tremier

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,334
citations

430754

18
h-index

360920

35
g-index

37
all docs

37
docs citations

37
times ranked

1507
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing the variability of food waste quality: A need for efficient valorisation through anaerobic digestion. <i>Waste Management</i> , 2016, 50, 264-274.	3.7	218
2	A respirometric method for characterising the organic composition and biodegradation kinetics and the temperature influence on the biodegradation kinetics, for a mixture of sludge and bulking agent to be co-composted. <i>Bioresource Technology</i> , 2005, 96, 169-180.	4.8	176
3	Characterization of Solid Digestates: Part 1, Review of Existing Indicators to Assess Solid Digestates Agricultural Use. <i>Waste and Biomass Valorization</i> , 2011, 2, 43-58.	1.8	109
4	Characterization of Solid Digestates: Part 2, Assessment of the Quality and Suitability for Composting of Six Digested Products. <i>Waste and Biomass Valorization</i> , 2011, 2, 113-126.	1.8	91
5	Understanding the anaerobic biodegradability of food waste: Relationship between the typological, biochemical and microbial characteristics. <i>Journal of Environmental Management</i> , 2017, 188, 95-107.	3.8	75
6	The impact of compaction, moisture content, particle size and type of bulking agent on initial physical properties of sludge-bulking agent mixtures before composting. <i>Bioresource Technology</i> , 2012, 114, 428-436.	4.8	66
7	Home and community composting for on-site treatment of urban organic waste: perspective for Europe and Canada. <i>Waste Management and Research</i> , 2010, 28, 1039-1053.	2.2	60
8	Optimization method to construct micro-anaerobic digesters networks for decentralized biowaste treatment in urban and peri-urban areas. <i>Journal of Cleaner Production</i> , 2020, 243, 118478.	4.6	54
9	Dynamic effect of leachate recirculation on batch mode solid state anaerobic digestion: Influence of recirculated volume, leachate to substrate ratio and recirculation periodicity. <i>Bioresource Technology</i> , 2016, 216, 553-561.	4.8	51
10	Effect of initial physical characteristics on sludge compost performance. <i>Bioresource Technology</i> , 2009, 100, 3751-3758.	4.8	44
11	Gas emissions as influenced by home composting system configuration. <i>Journal of Environmental Management</i> , 2013, 116, 163-171.	3.8	43
12	A review of mathematical models for composting. <i>Waste Management</i> , 2020, 113, 379-394.	3.7	38
13	Characterization and prediction of organic nitrogen biodegradability during anaerobic digestion: A bioaccessibility approach. <i>Bioresource Technology</i> , 2018, 263, 425-436.	4.8	34
14	Coupling a respirometer and a pycnometer, to study the biodegradability of solid organic wastes during composting. <i>Biosystems Engineering</i> , 2007, 97, 75-88.	1.9	31
15	Microbial oxygen uptake in sludge as influenced by compost physical parameters. <i>Waste Management</i> , 2009, 29, 2257-2264.	3.7	27
16	Circular Economy Applied to Organic Residues and Wastewater: Research Challenges. <i>Waste and Biomass Valorization</i> , 2022, 13, 1267-1276.	1.8	26
17	Modeling the fate of organic nitrogen during anaerobic digestion: Development of a bioaccessibility based ADM1. <i>Water Research</i> , 2019, 154, 298-315.	5.3	25
18	Influence of Origin and Post-treatment on Greenhouse Gas Emissions After Anaerobic Digestate Application to Soil. <i>Waste and Biomass Valorization</i> , 2016, 7, 293-306.	1.8	22

#	ARTICLE	IF	CITATIONS
19	Storage of Food Waste: Variations of Physical–Chemical Characteristics and Consequences on Biomethane Potential. <i>Waste and Biomass Valorization</i> , 2020, 11, 2441-2454.	1.8	20
20	Biodegradability of Municipal Organic Waste: A Respirometric Test. <i>Waste and Biomass Valorization</i> , 2013, 4, 331-340.	1.8	17
21	Numerical simulation of organic waste aerobic biodegradation: A new way to correlate respiration kinetics and organic matter fractionation. <i>Waste Management</i> , 2015, 36, 44-56.	3.7	15
22	Influence of the Airflow Rate on Heat and Mass Transfers during Sewage Sludge and Bulking Agent Composting. <i>Environmental Technology (United Kingdom)</i> , 2005, 26, 1137-1150.	1.2	14
23	Biochemical and microbial changes reveal how aerobic pre-treatment impacts anaerobic biodegradability of food waste. <i>Waste Management</i> , 2018, 80, 119-129.	3.7	13
24	Physico-chemical, biochemical and nutritional characterisation of 42 organic wastes and residues from France. <i>Data in Brief</i> , 2018, 19, 1953-1962.	0.5	12
25	Compost mixture influence of interactive physical parameters on microbial kinetics and substrate fractionation. <i>Waste Management</i> , 2010, 30, 1464-1471.	3.7	11
26	Performance of five Montreal West Island home composters. <i>Environmental Technology (United Kingdom)</i> , 2005, 26, 1137-1150.	1.2	8
27	Non-destructive quantification of water gradient in sludge composting with Magnetic Resonance Imaging. <i>Waste Management</i> , 2010, 30, 610-619.	3.7	5
28	Home composting of organic waste - part 1: effect of home composter design. <i>International Journal of Environmental Technology and Management</i> , 2012, 15, 417.	0.1	5
29	Performance of Coupling an Aerobic Pre-treatment Prior to a Solid-State Anaerobic Digestion of Food Waste. <i>Waste and Biomass Valorization</i> , 2020, 11, 483-494.	1.8	5
30	An Innovative Solid-State Micro-Anaerobic Digestion Process to Valorize Food Waste: Technical Development Constraints and Consequences on Biological Performances. <i>Waste and Biomass Valorization</i> , 2022, 13, 617-630.	1.8	5
31	Development and validation of a device for the measurement of free air space and air permeability in solid waste. <i>Biosystems Engineering</i> , 2013, 115, 415-422.	1.9	4
32	Home composting of organic waste - part 2: effect of management practices. <i>International Journal of Environmental Technology and Management</i> , 2012, 15, 438.	0.1	3
33	Enjeux et perspectives pour le développement de la méthanisation agricole en France. <i>Sciences Eaux & Territoires</i> , 2012, Numéro 7, 34-43.	0.1	3
34	Part B: Global Assessment for Organic Resources and Waste Management ORBIT2012. <i>Waste and Biomass Valorization</i> , 2014, 5, 429-431.	1.8	2
35	Biological Nitrogen Potential (BNP): A New Methodology to Estimate Nitrogen Transformations During Anaerobic Digestion of Organic Substrates. <i>Waste and Biomass Valorization</i> , 2020, 11, 525-537.	1.8	2
36	Methods to Assess Biological Transformation of Biomass. , 2020, , 641-730.		0