

# Anne Tremier

## List of Publications by Year in descending order

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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	An Innovative Solid-State Micro-Anaerobic Digestion Process to Valorize Food Waste: Technical Development Constraints and Consequences on Biological Performances. Waste and Biomass Valorization, 2022, 13, 617-630.	1.8	5
2	Circular Economy Applied to Organic Residues and Wastewater: Research Challenges. Waste and Biomass Valorization, 2022, 13, 1267-1276.	1.8	26
3	Storage of Food Waste: Variations of Physical-Chemical Characteristics and Consequences on Biomethane Potential. Waste and Biomass Valorization, 2020, 11, 2441-2454.	1.8	20
4	Performance of Coupling an Aerobic Pre-treatment Prior to a Solid-State Anaerobic Digestion of Food Waste. Waste and Biomass Valorization, 2020, 11, 483-494.	1.8	5
5	Optimization method to construct micro-anaerobic digesters networks for decentralized biowaste treatment in urban and peri-urban areas. Journal of Cleaner Production, 2020, 243, 118478.	4.6	54
6	Biological Nitrogen Potential (BNP): A New Methodology to Estimate Nitrogen Transformations During Anaerobic Digestion of Organic Substrates. Waste and Biomass Valorization, 2020, 11, 525-537.	1.8	2
7	A review of mathematical models for composting. Waste Management, 2020, 113, 379-394.	3.7	38
8	Methods to Assess Biological Transformation of Biomass. , 2020, , 641-730.		0
9	Modeling the fate of organic nitrogen during anaerobic digestion: Development of a bioaccessibility based ADM1. Water Research, 2019, 154, 298-315.	5.3	25
10	Characterization and prediction of organic nitrogen biodegradability during anaerobic digestion: A bioaccessibility approach. Bioresource Technology, 2018, 263, 425-436.	4.8	34
11	Biochemical and microbial changes reveal how aerobic pre-treatment impacts anaerobic biodegradability of food waste. Waste Management, 2018, 80, 119-129.	3.7	13
12	Physico-chemical, biochemical and nutritional characterisation of 42 organic wastes and residues from France. Data in Brief, 2018, 19, 1953-1962.	0.5	12
13	Understanding the anaerobic biodegradability of food waste: Relationship between the typological, biochemical and microbial characteristics. Journal of Environmental Management, 2017, 188, 95-107.	3.8	75
14	Dynamic effect of leachate recirculation on batch mode solid state anaerobic digestion: Influence of recirculated volume, leachate to substrate ratio and recirculation periodicity. Bioresource Technology, 2016, 216, 553-561.	4.8	51
15	Characterizing the variability of food waste quality: A need for efficient valorisation through anaerobic digestion. Waste Management, 2016, 50, 264-274.	3.7	218
16	Influence of Origin and Post-treatment on Greenhouse Gas Emissions After Anaerobic Digestate Application to Soil. Waste and Biomass Valorization, 2016, 7, 293-306.	1.8	22
17	Numerical simulation of organic waste aerobic biodegradation: A new way to correlate respiration kinetics and organic matter fractionation. Waste Management, 2015, 36, 44-56.	3.7	15
18	Part B: Global Assessment for Organic Resources and Waste Management ORBIT2012. Waste and Biomass Valorization, 2014, 5, 429-431.	1.8	2

#	ARTICLE	IF	CITATIONS
19	Biodegradability of Municipal Organic Waste: A Respirometric Test. Waste and Biomass Valorization, 2013, 4, 331-340.	1.8	17
20	Gas emissions as influenced by home composting system configuration. Journal of Environmental Management, 2013, 116, 163-171.	3.8	43
21	Development and validation of a device for the measurement of free air space and air permeability in solid waste. Biosystems Engineering, 2013, 115, 415-422.	1.9	4
22	Home composting of organic waste - part 1: effect of home composter design. International Journal of Environmental Technology and Management, 2012, 15, 417.	0.1	5
23	Home composting of organic waste - part 2: effect of management practices. International Journal of Environmental Technology and Management, 2012, 15, 438.	0.1	3
24	Performance of five Montreal West Island home composters. Environmental Technology (United Kingdom), 2012, 33, 1079-1088.	1.2	8
25	The impact of compaction, moisture content, particle size and type of bulking agent on initial physical properties of sludge-bulking agent mixtures before composting. Bioresource Technology, 2012, 114, 428-436.	4.8	66
26	Enjeux et perspectives pour le développement de la méthanisation agricole en France. Sciences Eaux & Territoires, 2012, Numéro 7, 34-43.	0.1	3
27	Characterization of Solid Digestates: Part 1, Review of Existing Indicators to Assess Solid Digestates Agricultural Use. Waste and Biomass Valorization, 2011, 2, 43-58.	1.8	109
28	Characterization of Solid Digestates: Part 2, Assessment of the Quality and Suitability for Composting of Six Digested Products. Waste and Biomass Valorization, 2011, 2, 113-126.	1.8	91
29	Non-destructive quantification of water gradient in sludge composting with Magnetic Resonance Imaging. Waste Management, 2010, 30, 610-619.	3.7	5
30	Compost mixture influence of interactive physical parameters on microbial kinetics and substrate fractionation. Waste Management, 2010, 30, 1464-1471.	3.7	11
31	Home and community composting for on-site treatment of urban organic waste: perspective for Europe and Canada. Waste Management and Research, 2010, 28, 1039-1053.	2.2	60
32	Microbial oxygen uptake in sludge as influenced by compost physical parameters. Waste Management, 2009, 29, 2257-2264.	3.7	27
33	Effect of initial physical characteristics on sludge compost performance. Bioresource Technology, 2009, 100, 3751-3758.	4.8	44
34	Coupling a respirometer and a pycnometer, to study the biodegradability of solid organic wastes during composting. Biosystems Engineering, 2007, 97, 75-88.	1.9	31
35	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. Bioresource Technology, 2005, 96, 169-180.	4.8	176
36	Influence of the Airflow Rate on Heat and Mass Transfers during Sewage Sludge and Bulking Agent Composting. Environmental Technology (United Kingdom), 2005, 26, 1137-1150.	1.2	14