Patrick Dabert

List of Publications by Year
in descending order

38	1,885	279487 23	315357 38
papers	citations	h-index	g-index

39	39	39	2502
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterizing the variability of food waste quality: A need for efficient valorisation through anaerobic digestion. Waste Management, 2016, 50, 264-274.	3.7	218
2	Livestock waste treatment systems for environmental quality, food safety, and sustainability. Bioresource Technology, 2009, 100, 5527-5536.	4.8	157
3	Characterisation of the microbial diversity in a pig manure storage pit using small subunit rDNA sequence analysis. FEMS Microbiology Ecology, 2005, 52, 229-242.	1.3	137
4	Characterisation of the microbial 16S rDNA diversity of an aerobic phosphorus-removal ecosystem and monitoring of its transition to nitrate respiration. Applied Microbiology and Biotechnology, 2001, 55, 500-509.	1.7	104
5	Dynamics of a Pig Slurry Microbial Community during Anaerobic Storage and Management. Applied and Environmental Microbiology, 2006, 72, 3578-3585.	1.4	104
6	Feasibility and interest of the anammox process as treatment alternative for anaerobic digester supernatants in manure processing â€“ An overview. Journal of Environmental Management, 2013, 131, 170-184.	3.8	98
7	Improving composting as a post-treatment of anaerobic digestate. Bioresource Technology, 2016, 201, 293-303.	4.8	88
8	Prediction of hydrogen sulphide production during anaerobic digestion of organic substrates. Bioresource Technology, 2012, 121, 419-424.	4.8	85
9	Molecular diversity studies of bacterial communities of oil polluted microbial mats from the Etang de Berre (France). FEMS Microbiology Ecology, 2006, 58, 550-562.	1.3	77
10	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
11	Magnetite/graphene oxide nano-composite for enhancement of hydrogen production from gelatinaceous wastewater. Bioresource Technology, 2016, 216, 520-528.	4.8	69
12	Microbial 16S rDNA diversity in an anaerobic digester. Water Science and Technology, 1997, 36, 49-55.	1.2	67
13	Fate of steroid hormones and endocrine activities in swine manure disposal and treatment facilities. Water Research, 2012, 46, 895-906.	5.3	59
14	Nitrification and microbiological evolution during aerobic treatment of municipal solid wastes. Bioresource Technology, 2012, 110, 144-152.	4.8	56
15	Coupling of partial nitritation and anammox in two- and one-stage systems: Process operation, N2O emission and microbial community. Journal of Cleaner Production, 2018, 203, 559-573.	4.6	56
16	Batch enrichment of anammox bacteria and study of the underlying microbial community dynamics. Chemical Engineering Journal, 2016, 297, 217-228.	6.6	54
17	Impact of biodegradation of organic matters on ammonia oxidation in compost. Bioresource Technology, 2013, 136, 49-57.	4.8	43
18	Monitoring the impact of bioaugmentation on the start up of biological phosphorus removal in a laboratory scale activated sludge ecosystem. Applied Microbiology and Biotechnology, 2005, 66, 575-588.	1.7	32

#	Article	IF	Citations
19	Evaluation of Lactobacillus sobrius/L. amylovorus as a New Microbial Marker of Pig Manure. Applied and Environmental Microbiology, 2010, 76, 1456-1461.	1.4	32
20	Gene replacement with linear DNA in electroporated wild-type Escherichia coli. Nucleic Acids Research, 1999, 27, 1296-1299.	6.5	31
21	Contribution of molecular microbiology to the study in water pollution removal of microbial community dynamics. Reviews in Environmental Science and Biotechnology, 2002, 1, 39-49.	3.9	29
22	Dissolution of particulate phosphorus in pig slurry through biological acidification: A critical step for maximum phosphorus recovery as struvite. Water Research, 2017, 124, 693-701.	5.3	29
23	Circular Economy Applied to Organic Residues and Wastewater: Research Challenges. Waste and Biomass Valorization, 2022, 13, 1267-1276.	1.8	26
24	Changes in Concentrations of Fluoroquinolones and of Ciprofloxacin-resistant Enterobacteriaceae in Chicken Feces and Manure Stored in a Heap. Journal of Environmental Quality, 2012, 41, 754-763.	1.0	18
25	Methane production and microbial community acclimation of five manure inocula during psychrophilic anaerobic digestion of swine manure. Journal of Cleaner Production, 2022, 340, 130772.	4.6	17
26	Pig Manure Contamination Marker Selection Based on the Influence of Biological Treatment on the Dominant Fecal Microbial Groups. Applied and Environmental Microbiology, 2009, 75, 4967-4974.	1.4	16
27	Successful Biodegradation of a Refractory Pharmaceutical Compound by an Indigenous Phenol-Tolerant Pseudomonas aeruginosa Strain. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	16
28	Potential of using non-inoculated self-aerated immobilized biomass reactor for post-treatment of upflow anaerobic staged reactor treating high strength industrial wastewater. Journal of Chemical Technology and Biotechnology, 2017, 92, 1065-1075.	1.6	15
29	Biochemical and microbial changes reveal how aerobic pre-treatment impacts anaerobic biodegradability of food waste. Waste Management, 2018, 80, 119-129.	3.7	13
30	Characterization of a combined batch-continuous procedure for the culture of anammox biomass. Ecological Engineering, 2017, 106, 231-241.	1.6	12
31	Physico-chemical, biochemical and nutritional characterisation of 42 organic wastes and residues from France. Data in Brief, 2018, 19, 1953-1962.	0.5	12
32	Evolution of N-converting bacteria during the start-up of anaerobic digestion coupled biological nitrogen removal pilot-scale bioreactors treating high-strength animal waste slurry. Bioresource Technology, 2009, 100, 3678-3687.	4.8	10
33	Effect of starvation period on microbial community producing hydrogen from paperboard mill wastewater using anaerobic baffled reactor. Environmental Technology (United Kingdom), 2019, 40, 2389-2399.	1.2	8
34	Nitrogen Dynamic and Microbiological Evolution During Aerobic Treatment of Digested Sludge. Waste and Biomass Valorization, 2013, 5, 441.	1.8	7
35	Homogeneity and Synchronous Dynamics of Microbial Communities in Particulate Biofilms: from Major Populations to Minor Groups. Microbes and Environments, 2012, 27, 142-148.	0.7	5
36	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

#	Article	IF	Citations
37	Removal of a Mixture of Seven Volatile Organic Compounds (VOCs) Using an Industrial Pilot-Scale Process Combining Absorption in Silicone Oil and Biological Regeneration in a Two-Phase Partitioning Bioreactor (TPPB). Energies, 2022, 15, 4576.	1.6	3
38	Part B: Global Assessment for Organic Resources and Waste Management ORBIT2012. Waste and Biomass Valorization, 2014, 5, 429-431.	1.8	2