Agata Gallipoli

List of Publications by Year
in descending order

33 papers	1,090 citations	361413 20 h-index	414414 32 g-index
33 all docs	33 docs citations	33 times ranked	1464 citing authors

#	Article	IF	Citations
1	Anaerobic bioconversion of food waste into energy: A critical review. Bioresource Technology, 2018, 248, 37-56.	9.6	277
2	Single stage anaerobic bioconversion of food waste in mono and co-digestion with olive husks: Impact of thermal pretreatment on hydrogen and methane production. International Journal of Hydrogen Energy, 2016, 41, 905-915.	7.1	70
3	The impact of sludge pre-treatments on mesophilic and thermophilic anaerobic digestion efficiency: Role of the organic load. Chemical Engineering Journal, 2015, 270, 362-371.	12.7	57
4	Land Application of Biosolids in Europe: Possibilities, Con-Straints and Future Perspectives. Water (Switzerland), 2021, 13, 103.	2.7	53
5	Variability of food waste chemical composition: Impact of thermal pre-treatment on lignocellulosic matrix and anaerobic biodegradability. Journal of Environmental Management, 2019, 236, 100-107.	7.8	44
6	Long-term anaerobic digestion of food waste at semi-pilot scale: Relationship between microbial community structure and process performances. Biomass and Bioenergy, 2018, 118, 55-64.	5.7	41
7	Lewis-BrÃ¸nsted acid catalysed ethanolysis of the organic fraction of municipal solid waste for efficient production of biofuels. Bioresource Technology, 2018, 266, 297-305.	9.6	40
8	Kitchen waste valorization through a mild-temperature pretreatment to enhance biogas production and fermentability: Kinetics study in mesophilic and thermophilic regimen. Journal of Environmental Sciences, 2020, 89, 167-179.	6.1	38
9	Direct Conversion of Food Waste Extract into Caproate: Metagenomics Assessment of Chain Elongation Process. Microorganisms, 2021, 9, 327.	3.6	37
10	Anaerobic co-digestion of food waste and waste activated sludge: ADM1 modelling and microbial analysis to gain insights into the two substratesâ€™ synergistic effects. Waste Management, 2019, 97, 27-37.	7.4	36
11	Three new asymmetric trans-amine(azole)dichloridoplatinum complexes that overcome cisplatin resistance and their reactions with 5â€²-GMP. Journal of Inorganic Biochemistry, 2006, 100, 1955-1964.	3.5	35
12	Microbial diversity in innovative mesophilic/thermophilic temperature-phased anaerobic digestion of sludge. Environmental Science and Pollution Research, 2015, 22, 7339-7348.	5.3	31
13	Distribution patterns of selected PAHs in bulk peat and corresponding humic acids from a Swiss ombrotrophic bog profile. Plant and Soil, 2009, 315, 35-45.	3.7	30
14	Potential of high-frequency ultrasounds to improve sludge anaerobic conversion and surfactants removal at different food/inoculum ratio. Bioresource Technology, 2014, 159, 207-214.	9.6	30
15	Quality assessment of digested sludges produced by advanced stabilization processes. Environmental Science and Pollution Research, 2015, 22, 7216-7235.	5.3	30
16	Innovative two-stage mesophilic/thermophilic anaerobic degradation of sonicated sludge: performances and energy balance. Environmental Science and Pollution Research, 2015, 22, 7248-7256.	5.3	27
17	High-frequency ultrasound treatment of sludge: Combined effect of surfactants removal and floc disintegration. Ultrasonics Sonochemistry, 2012, 19, 864-871.	8.2	26
18	Syntrophic acetate oxidation during the two-phase anaerobic digestion of waste activated sludge: Microbial population, Gibbs free energy and kinetic modelling. International Biodeterioration and Biodegradation, 2017, 125, 177-188.	3.9	24

#	ARTICLE	IF	CITATIONS
19	Anaerobic digestion of mixed urban biowaste: The microbial community shift towards stability. New Biotechnology, 2020, 55, 108-117.	4.4	24
20	A novel cascade biorefinery approach to transform food waste into valuable chemicals and biogas through thermal pretreatment integration. Bioresource Technology, 2021, 338, 125517.	9.6	23
21	In vitro antitumor activity and interaction with DNA model bases of cis-[PtCl2(iPram)(azole)] complexes and comparison with their trans analogues. Inorganica Chimica Acta, 2006, 359, 4335-4342.	2.4	18
22	Elucidating the key factors in semicontinuous anaerobic digestion of urban biowaste: The crucial role of sludge addition in process stability, microbial community enrichment and methane production. Renewable Energy, 2021, 179, 272-284.	8.9	18
23	Biomethane potential of food waste: modeling the effects of mild thermal pretreatment and digestion temperature. Environmental Technology (United Kingdom), 2017, 38, 1452-1464.	2.2	16
24	A model-based tool for reactor configuration of thermophilic biogas plants fed with Waste Activated Sludge. Renewable Energy, 2017, 113, 411-419.	8.9	15
25	Pre-treatments and anaerobic hydrolysis as strategical key steps for resource recovery from sludge: The role of disintegration degree in metals leaching. Journal of Environmental Chemical Engineering, 2021, 9, 104649.	6.7	15
26	Advanced anaerobic processes to enhance waste activated sludge stabilization. Water Science and Technology, 2014, 69, 1728-1734.	2.5	9
27	Lipid extraction from sewage sludge using green biosolvent for sustainable biodiesel production. Journal of Cleaner Production, 2021, 329, 129643.	9.3	9
28	Enhanced Versus Conventional Sludge Anaerobic Processes: Performances and Techno-Economic Assessment. Water Environment Research, 2016, 88, 468-478.	2.7	6
29	Insights into the Anaerobic Hydrolysis Process for Extracting Embedded EPS and Metals from Activated Sludge. Microorganisms, 2021, 9, 2523.	3.6	4
30	Energy Balance in a Novel Approach to Sludge Processing. Proceedings of the Water Environment Federation, 2010, 2010, 540-556.	0.0	2
31	Innovative twoâ€steps thermoâ€chemical pretreatment for sludge reduction and energy recovery: cost and energy assessment. Water and Environment Journal, 2020, 34, 540-550.	2.2	2
32	Cascade systems to recover resources from sludge by the integration of pretreatments to fermentation-based anaerobic bioleaching process. Journal of Environmental Chemical Engineering, 2022, 10, 107711.	6.7	2
33	Efficacy of methanogenic biomass acclimation in mesophilic anaerobic digestion of ultrasound pretreated sludge. Environmental Technology (United Kingdom), 2018, 39, 1250-1259.	2.2	1