

# Agata Gallipoli

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Cascade systems to recover resources from sludge by the integration of pretreatments to fermentation-based anaerobic bioleaching process. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107711.	6.7	2
2	Direct Conversion of Food Waste Extract into Caproate: Metagenomics Assessment of Chain Elongation Process. <i>Microorganisms</i> , 2021, 9, 327.	3.6	37
3	Pre-treatments and anaerobic hydrolysis as strategical key steps for resource recovery from sludge: The role of disintegration degree in metals leaching. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104649.	6.7	15
4	A novel cascade biorefinery approach to transform food waste into valuable chemicals and biogas through thermal pretreatment integration. <i>Bioresource Technology</i> , 2021, 338, 125517.	9.6	23
5	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. <i>Renewable Energy</i> , 2021, 179, 272-284.	8.9	18
6	Land Application of Biosolids in Europe: Possibilities, Con-Straints and Future Perspectives. <i>Water (Switzerland)</i> , 2021, 13, 103.	2.7	53
7	Lipid extraction from sewage sludge using green biosolvent for sustainable biodiesel production. <i>Journal of Cleaner Production</i> , 2021, 329, 129643.	9.3	9
8	Insights into the Anaerobic Hydrolysis Process for Extracting Embedded EPS and Metals from Activated Sludge. <i>Microorganisms</i> , 2021, 9, 2523.	3.6	4
9	Anaerobic digestion of mixed urban biowaste: The microbial community shift towards stability. <i>New Biotechnology</i> , 2020, 55, 108-117.	4.4	24
10	Kitchen waste valorization through a mild-temperature pretreatment to enhance biogas production and fermentability: Kinetics study in mesophilic and thermophilic regimen. <i>Journal of Environmental Sciences</i> , 2020, 89, 167-179.	6.1	38
11	Innovative two-step thermochemical pretreatment for sludge reduction and energy recovery: cost and energy assessment. <i>Water and Environment Journal</i> , 2020, 34, 540-550.	2.2	2
12	Anaerobic co-digestion of food waste and waste activated sludge: ADM1 modelling and microbial analysis to gain insights into the two substrates' synergistic effects. <i>Waste Management</i> , 2019, 97, 27-37.	7.4	36
13	Variability of food waste chemical composition: Impact of thermal pre-treatment on lignocellulosic matrix and anaerobic biodegradability. <i>Journal of Environmental Management</i> , 2019, 236, 100-107.	7.8	44
14	Efficacy of methanogenic biomass acclimation in mesophilic anaerobic digestion of ultrasound pretreated sludge. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1250-1259.	2.2	1
15	Anaerobic bioconversion of food waste into energy: A critical review. <i>Bioresource Technology</i> , 2018, 248, 37-56.	9.6	277
16	Long-term anaerobic digestion of food waste at semi-pilot scale: Relationship between microbial community structure and process performances. <i>Biomass and Bioenergy</i> , 2018, 118, 55-64.	5.7	41
17	Lewis-Brønsted acid catalysed ethanolysis of the organic fraction of municipal solid waste for efficient production of biofuels. <i>Bioresource Technology</i> , 2018, 266, 297-305.	9.6	40
18	A model-based tool for reactor configuration of thermophilic biogas plants fed with Waste Activated Sludge. <i>Renewable Energy</i> , 2017, 113, 411-419.	8.9	15

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19	Syntrophic acetate oxidation during the two-phase anaerobic digestion of waste activated sludge: Microbial population, Gibbs free energy and kinetic modelling. <i>International Biodeterioration and Biodegradation</i> , 2017, 125, 177-188.	3.9	24
20	Biomethane potential of food waste: modeling the effects of mild thermal pretreatment and digestion temperature. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 1452-1464.	2.2	16
21	Enhanced Versus Conventional Sludge Anaerobic Processes: Performances and Techno-Economic Assessment. <i>Water Environment Research</i> , 2016, 88, 468-478.	2.7	6
22	Single stage anaerobic bioconversion of food waste in mono and co-digestion with olive husks: Impact of thermal pretreatment on hydrogen and methane production. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 905-915.	7.1	70
23	The impact of sludge pre-treatments on mesophilic and thermophilic anaerobic digestion efficiency: Role of the organic load. <i>Chemical Engineering Journal</i> , 2015, 270, 362-371.	12.7	57
24	Microbial diversity in innovative mesophilic/thermophilic temperature-phased anaerobic digestion of sludge. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7339-7348.	5.3	31
25	Quality assessment of digested sludges produced by advanced stabilization processes. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7216-7235.	5.3	30
26	Innovative two-stage mesophilic/thermophilic anaerobic degradation of sonicated sludge: performances and energy balance. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7248-7256.	5.3	27
27	Potential of high-frequency ultrasounds to improve sludge anaerobic conversion and surfactants removal at different food/inoculum ratio. <i>Bioresource Technology</i> , 2014, 159, 207-214.	9.6	30
28	Advanced anaerobic processes to enhance waste activated sludge stabilization. <i>Water Science and Technology</i> , 2014, 69, 1728-1734.	2.5	9
29	High-frequency ultrasound treatment of sludge: Combined effect of surfactants removal and floc disintegration. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 864-871.	8.2	26
30	Energy Balance in a Novel Approach to Sludge Processing. <i>Proceedings of the Water Environment Federation</i> , 2010, 2010, 540-556.	0.0	2
31	Distribution patterns of selected PAHs in bulk peat and corresponding humic acids from a Swiss ombrotrophic bog profile. <i>Plant and Soil</i> , 2009, 315, 35-45.	3.7	30
32	In vitro antitumor activity and interaction with DNA model bases of cis-[PtCl <sub>2</sub> (iPram)(azole)] complexes and comparison with their trans analogues. <i>Inorganica Chimica Acta</i> , 2006, 359, 4335-4342.	2.4	18
33	Three new asymmetric trans-amine(azole)dichloridoplatinum complexes that overcome cisplatin resistance and their reactions with 5â€²-GMP. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1955-1964.	3.5	35