

# Carlos JosÃ© Ãlvarez Gallego

## List of Publications by Year in descending order

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36  
papers

1,215  
citations

394286

19  
h-index

414303

32  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1321  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anaerobic co-digestion of organic fraction of municipal solid waste (OFMSW): Progress and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 93, 380-399.	8.2	270
2	Semi-continuous anaerobic co-digestion of sugar beet byproduct and pig manure: Effect of the organic loading rate (OLR) on process performance. <i>Bioresource Technology</i> , 2015, 194, 283-290.	4.8	92
3	Thermophilic anaerobic co-digestion of organic fraction of municipal solid waste (OFMSW) with food waste (FW): Enhancement of bio-hydrogen production. <i>Bioresource Technology</i> , 2015, 194, 291-296.	4.8	74
4	Effect of HRT on hydrogen production and organic matter solubilization in acidogenic anaerobic digestion of OFMSW. <i>Chemical Engineering Journal</i> , 2013, 219, 443-449.	6.6	70
5	The use of thermochemical and biological pretreatments to enhance organic matter hydrolysis and solubilization from organic fraction of municipal solid waste (OFMSW). <i>Chemical Engineering Journal</i> , 2011, 168, 249-254.	6.6	67
6	Enhancement in hydrogen production by thermophilic anaerobic co-digestion of organic fraction of municipal solid waste and sewage sludge – Optimization of treatment conditions. <i>Bioresource Technology</i> , 2014, 164, 408-415.	4.8	60
7	Start-up of thermophilic dry anaerobic digestion of OFMSW using adapted modified SEBAC inoculum. <i>Bioresource Technology</i> , 2010, 101, 9031-9039.	4.8	57
8	Improvement of Anaerobic Digestion of Lignocellulosic Biomass by Hydrothermal Pretreatment. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3853.	1.3	46
9	Biological pretreatment applied to industrial organic fraction of municipal solid wastes (OFMSW): Effect on anaerobic digestion. <i>Chemical Engineering Journal</i> , 2011, 172, 321-325.	6.6	42
10	The effect of different pretreatments on biomethanation kinetics of industrial Organic Fraction of Municipal Solid Wastes (OFMSW). <i>Chemical Engineering Journal</i> , 2011, 171, 411-417.	6.6	39
11	Dry-thermophilic anaerobic digestion of organic fraction of municipal solid waste: Methane production modeling. <i>Waste Management</i> , 2012, 32, 382-388.	3.7	36
12	Influence of total solids concentration on the anaerobic co-digestion of sugar beet by-products and livestock manures. <i>Science of the Total Environment</i> , 2017, 586, 438-445.	3.9	35
13	Dry-thermophilic anaerobic digestion of simulated organic fraction of Municipal Solid Waste: Process modeling. <i>Bioresource Technology</i> , 2011, 102, 606-611.	4.8	32
14	New indirect parameters for interpreting a destabilization episode in an anaerobic reactor. <i>Chemical Engineering Journal</i> , 2012, 180, 32-38.	6.6	31
15	Biomethanization of sugar beet byproduct by semi-continuous single digestion and co-digestion with cow manure. <i>Bioresource Technology</i> , 2016, 200, 311-319.	4.8	31
16	Evaluation of methane generation and process stability from anaerobic co-digestion of sugar beet by-product and cow manure. <i>Journal of Bioscience and Bioengineering</i> , 2016, 121, 566-572.	1.1	27
17	Thermally enhanced solubilization and anaerobic digestion of organic fraction of municipal solid waste. <i>Chemosphere</i> , 2021, 282, 131136.	4.2	25
18	New criteria to determine the destabilization of the acidogenic anaerobic co-digestion of organic fraction of municipal solid waste (OFMSW) with mixed sludge (MS). <i>Bioresource Technology</i> , 2018, 248, 174-179.	4.8	22

#	ARTICLE	IF	CITATIONS
19	Improvement of Exhausted Sugar Beet Cossettes Anaerobic Digestion Process by Co-Digestion with Pig Manure. <i>Energy &amp; Fuels</i> , 2015, 29, 754-762.	2.5	20
20	Inhibition of the Hydrolytic Phase in the Production of Biohydrogen by Dark Fermentation of Organic Solid Waste. <i>Energy &amp; Fuels</i> , 2017, 31, 7176-7184.	2.5	19
21	Enhancement of Methane Production in Thermophilic Anaerobic Co-Digestion of Exhausted Sugar Beet Pulp and Pig Manure. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1791.	1.3	19
22	Determination of critical and optimum conditions for biomethanization of OFMSW in a semi-continuous stirred tank reactor. <i>Chemical Engineering Journal</i> , 2011, 171, 418-424.	6.6	16
23	Insights into Anaerobic Co-Digestion of Lignocellulosic Biomass (Sugar Beet By-Products) and Animal Manure in Long-Term Semi-Continuous Assays. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5126.	1.3	15
24	Destabilization of an anaerobic reactor by wash-out episode: Effect on the biomethanization performance. <i>Chemical Engineering Journal</i> , 2013, 214, 247-252.	6.6	14
25	Successful and stable operation of anaerobic thermophilic co-digestion of sun-dried sugar beet pulp and cow manure under short hydraulic retention time. <i>Chemosphere</i> , 2022, 293, 133484.	4.2	14
26	Thermochemical Pretreatments of Organic Fraction of Municipal Solid Waste from a Mechanical-Biological Treatment Plant. <i>International Journal of Molecular Sciences</i> , 2015, 16, 3769-3782.	1.8	12
27	New parameters to determine the optimum pretreatment for improving the biomethanization performance. <i>Chemical Engineering Journal</i> , 2012, 198-199, 81-86.	6.6	10
28	Sono-biostimulation of aerobic digestion: a novel approach for sludge minimization. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1060-1066.	1.6	5
29	Thermophilic Anaerobic Co-Digestion of Exhausted Sugar Beet Pulp with Cow Manure to Boost the Performance of the Process: The Effect of Manure Proportion. <i>Water (Switzerland)</i> , 2021, 13, 67.	1.2	5
30	Biogas, biohydrogen, and polyhydroxyalkanoates production from organic waste in the circular economy context. , 2021, , 305-343.		4
31	Influence of the total concentration and the profile of volatile fatty acids on polyhydroxyalkanoates (PHA) production by mixed microbial cultures. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 239-253.	2.9	3
32	New Strategy for a Suitable Fast Stabilization of the Biomethanization Performance. <i>Archaea</i> , 2012, 2012, 1-7.	2.3	1
33	Polyhydroxyalkanoate production from algal biomass. , 2021, , 447-464.		1
34	Effect of Temperature on Biohydrogen and Biomethane Productions by Anaerobic Digestion of Sugar Beet by-Products. <i>International Journal of Environmental Science and Development</i> , 2018, 8, 762-766.	0.2	1
35	Editorial of the Special Issue "Anaerobic Co-Digestion of Lignocellulosic Wastes" <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7399.	1.3	0
36	Integral valorization of residual biomass: Hydrogen, polyhydroxyalkanoates, and compost production. , 2021, , 355-390.		0