

# JosÃ© Ãngel Siles LÃ³pez

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

2,594  
citations

186209

28  
h-index

197736

49  
g-index

65  
all docs

65  
docs citations

65  
times ranked

3024  
citing authors

#	ARTICLE	IF	CITATIONS
1	A kinetic study of the esterification of free fatty acids (FFA) in sunflower oil. <i>Fuel</i> , 2007, 86, 2383-2388.	3.4	255
2	Biorefinery of waste orange peel. <i>Critical Reviews in Biotechnology</i> , 2010, 30, 63-69.	5.1	200
3	Biomethanization of orange peel waste. <i>Bioresource Technology</i> , 2010, 101, 8993-8999.	4.8	161
4	Anaerobic digestion of glycerol derived from biodiesel manufacturing. <i>Bioresource Technology</i> , 2009, 100, 5609-5615.	4.8	151
5	Impact of ammonia and sulphate concentration on thermophilic anaerobic digestion. <i>Bioresource Technology</i> , 2010, 101, 9040-9048.	4.8	115
6	Anaerobic co-digestion of glycerol and wastewater derived from biodiesel manufacturing. <i>Bioresource Technology</i> , 2010, 101, 6315-6321.	4.8	106
7	Integrated ozonation and biomethanization treatments of vinasse derived from ethanol manufacturing. <i>Journal of Hazardous Materials</i> , 2011, 188, 247-253.	6.5	89
8	Integral valorisation of waste orange peel using combustion, biomethanisation and co-composting technologies. <i>Bioresource Technology</i> , 2016, 211, 173-182.	4.8	79
9	Chemometric analysis and NIR spectroscopy to evaluate odorous impact during the composting of different raw materials. <i>Journal of Cleaner Production</i> , 2017, 167, 154-162.	4.6	73
10	Raman-Deuterium Isotope Probing for in-situ identification of antimicrobial resistant bacteria in Thames River. <i>Scientific Reports</i> , 2017, 7, 16648.	1.6	69
11	Succinic acid production from orange peel and wheat straw by batch fermentations of <i>Fibrobacter succinogenes</i> S85. <i>Applied Microbiology and Biotechnology</i> , 2010, 88, 671-678.	1.7	66
12	Effect of microwave pretreatment on semi-continuous anaerobic digestion of sewage sludge. <i>Renewable Energy</i> , 2018, 115, 917-925.	4.3	63
13	Evaluation of the improvement of sonication pre-treatment in the anaerobic digestion of sewage sludge. <i>Journal of Environmental Management</i> , 2015, 147, 330-337.	3.8	58
14	Semi-continuous anaerobic co-digestion of orange peel waste and residual glycerol derived from biodiesel manufacturing. <i>Waste Management</i> , 2013, 33, 1633-1639.	3.7	54
15	Improvement of anaerobic digestion of sewage sludge through microwave pre-treatment. <i>Journal of Environmental Management</i> , 2016, 177, 231-239.	3.8	49
16	Agri-food waste valorization through anaerobic co-digestion: fish and strawberry residues. <i>Journal of Cleaner Production</i> , 2013, 54, 125-132.	4.6	47
17	Improvement of the biomethanization of sewage sludge by thermal pre-treatment and co-digestion with strawberry extrudate. <i>Journal of Cleaner Production</i> , 2015, 90, 25-33.	4.6	47
18	Monitoring of the composting process of different agroindustrial waste: Influence of the operational variables on the odorous impact. <i>Waste Management</i> , 2018, 76, 266-274.	3.7	42

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19	Modelling of composting process of different organic waste at pilot scale: Biodegradability and odor emissions. <i>Waste Management</i> , 2017, 59, 48-58.	3.7	40
20	Thermophilic anaerobic digestion of pre-treated orange peel: Modelling of methane production. <i>Chemical Engineering Research and Design</i> , 2018, 117, 245-253.	2.7	40
21	Efficient extraction of hydrophilic and lipophilic antioxidants from microalgae with supramolecular solvents. <i>Separation and Purification Technology</i> , 2020, 251, 117327.	3.9	37
22	Treatment of an agrochemical wastewater by integration of heterogeneous catalytic wet hydrogen peroxide oxidation and rotating biological contactors. <i>Chemical Engineering Journal</i> , 2013, 226, 409-415.	6.6	36
23	Improvement of mesophilic anaerobic co-digestion of agri-food waste by addition of glycerol. <i>Journal of Environmental Management</i> , 2014, 140, 76-82.	3.8	36
24	Mesophilic anaerobic co-digestion of sewage sludge and orange peel waste. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 898-906.	1.2	33
25	Full-scale composting of sewage sludge and market waste: Stability monitoring and odor dispersion modeling. <i>Environmental Research</i> , 2018, 167, 739-750.	3.7	33
26	Biomethanization of waste derived from strawberry processing: advantages of pretreatment. <i>Journal of Cleaner Production</i> , 2013, 42, 190-197.	4.6	32
27	Centralized management of sewage sludge and agro-industrial waste through co-composting. <i>Journal of Environmental Management</i> , 2017, 196, 387-393.	3.8	31
28	Low-cost Fe/SiO <sub>2</sub> catalysts for continuous Fenton processes. <i>Catalysis Today</i> , 2017, 280, 176-183.	2.2	31
29	Effect of variation in the C/[N+P] ratio on anaerobic digestion. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 228-236.	1.3	29
30	Anaerobic Digestion of Wastewater Derived from the Pressing of Orange Peel Generated in Orange Juice Production. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 1905-1914.	2.4	28
31	Advantages and drawbacks of OFMSW and winery waste co-composting at pilot scale. <i>Journal of Cleaner Production</i> , 2017, 164, 1050-1057.	4.6	28
32	Effects of C/N ratio on anaerobic co-digestion of cabbage, cauliflower, and restaurant food waste. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 2133-2145.	2.9	27
33	Kinetic modelling of the anaerobic digestion of wastewater derived from the pressing of orange rind produced in orange juice manufacturing. <i>Chemical Engineering Journal</i> , 2008, 140, 145-156.	6.6	26
34	Co-composting of sewage sludge and eggplant waste at full scale: Feasibility study to valorize eggplant waste and minimize the odoriferous impact of sewage sludge. <i>Journal of Environmental Management</i> , 2019, 247, 205-213.	3.8	26
35	Co-composting of chicken manure, alperujo, olive leaves/pruning and cereal straw at full-scale: Compost quality assessment and odour emission. <i>Chemical Engineering Research and Design</i> , 2020, 139, 362-370.	2.7	26
36	Modelling the anaerobic digestion of wastewater derived from the pressing of orange peel produced in orange juice manufacturing. <i>Bioresource Technology</i> , 2010, 101, 3909-3916.	4.8	24

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37	Physical-chemical and biomethanization treatments of wastewater from biodiesel manufacturing. <i>Bioresource Technology</i> , 2011, 102, 6348-6351.	4.8	24
38	Optimization of Anaerobic Co-digestion of Strawberry and Fish Waste. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 1391-1404.	1.4	24
39	Optimization of coagulation-flocculation process for wastewater derived from sauce manufacturing using factorial design of experiments. <i>Chemical Engineering Journal</i> , 2011, 172, 771-771.	6.6	22
40	Multivariate analysis and biodegradability test to evaluate different organic wastes for biological treatments: Anaerobic co-digestion and co-composting. <i>Waste Management</i> , 2018, 78, 819-828.	3.7	22
41	Odor mapping of an urban waste management plant: Chemometric approach and correlation between physico-chemical, respirometric and olfactometric variables. <i>Journal of Cleaner Production</i> , 2019, 210, 1098-1108.	4.6	19
42	Wastewater nutrient recovery using twin-layer microalgae technology for biofertilizer production. <i>Water Science and Technology</i> , 2020, 82, 1044-1061.	1.2	19
43	Mixture optimization of anaerobic co-digestion of tomato and cucumber waste. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 2628-2636.	1.2	18
44	Evaluation of the Anaerobic Co-Digestion of Sewage Sludge and Tomato Waste at Mesophilic Temperature. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 3862-3874.	1.4	16
45	Evaluation of hydrothermal pretreatment for biological treatment of lignocellulosic feedstock (pepper plant and eggplant). <i>Waste Management</i> , 2020, 102, 76-84.	3.7	16
46	Anaerobic co-digestion of sewage sludge and strawberry extrudate under mesophilic conditions. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 2920-2927.	1.2	13
47	Integral evaluation of granular activated carbon at four stages of a full-scale WWTP deodorization system. <i>Science of the Total Environment</i> , 2021, 754, 142237.	3.9	12
48	Kinetics of biofuel generation from deodorizer distillates derived from the physical refining of olive oil and squalene recovery. <i>Biomass and Bioenergy</i> , 2014, 62, 93-99.	2.9	11
49	Effect of microwave pretreatment on centrifuged and floated sewage sludge derived from wastewater treatment plants. <i>Chemical Engineering Research and Design</i> , 2019, 128, 251-258.	2.7	10
50	Methane production by anaerobic co-digestion of mixed agricultural waste: cabbage and cauliflower. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 4550-4558.	1.2	10
51	Environmental performance of an industrial biofilter: Relationship between photochemical oxidation and odorous impacts. <i>Environmental Research</i> , 2020, 183, 109168.	3.7	10
52	Permeability and adsorption effects for volatile sulphur compounds in Nalophan sampling bags: Stability influenced by storage time. <i>Biosystems Engineering</i> , 2019, 188, 217-228.	1.9	9
53	Simple and eco-friendly thermal regeneration of granular activated carbon from the odour control system of a full-scale WWTP: Study of the process in oxidizing atmosphere. <i>Separation and Purification Technology</i> , 2021, 255, 117782.	3.9	9
54	Application of ATAD technology for digesting sewage sludge in small towns: Operation and costs. <i>Journal of Environmental Management</i> , 2018, 215, 185-194.	3.8	7

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55	Anaerobic co-digestion of winery waste: comparative assessment of grape marc waste and lees derived from organic crops. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 3618-3626.	1.2	7
56	Kinetics of alfalfa drying: Simultaneous modelling of moisture content and temperature. <i>Biosystems Engineering</i> , 2015, 129, 185-196.	1.9	6
57	Biofiltration of butyric acid: Monitoring odor abatement and microbial communities. <i>Environmental Research</i> , 2020, 190, 110057.	3.7	6
58	Evaluation of physicochemical pretreatment of tomato plant for aerobic and anaerobic biodegradation. <i>Biomass Conversion and Biorefinery</i> , 2019, 9, 489-497.	2.9	4
59	Optimizing the selection of organic waste for biomethanization. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1078-1084.	1.2	4
60	Kinetics of drying inorganic spheres: Simultaneous modeling of moisture and temperature during the constant and falling rate periods. <i>Drying Technology</i> , 2018, 36, 1186-1199.	1.7	3
61	Bacteria, archae, fungi and viruses: it takes a community to eliminate waste. <i>Microbial Biotechnology</i> , 2020, 13, 892-894.	2.0	1
62	Comparison of Pre-treatment Technologies to Improve Sewage Sludge Biomethanization. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 777-790.	1.4	1
63	Combined Physical-Chemical and Aerobic Biological Treatments of Wastewater Derived from Sauce Manufacturing. <i>Water Environment Research</i> , 2013, 85, 346-353.	1.3	0
64	Evaluation of Anaerobic Digestion of Verdejo Lees from an Ecological Crop. <i>Waste and Biomass Valorization</i> , 2020, 11, 6781-6791.	1.8	0