

Arturo Francisco Chica PÃ©rez

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

1,870
citations

257357

24
h-index

265120

42
g-index

47
all docs

47
docs citations

47
times ranked

2189
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of municipal solid waste compost (MSWC) as a growing medium in the nursery production of tomato plants. <i>Bioresource Technology</i> , 2008, 99, 287-296.	4.8	173
2	Biomethanization of orange peel waste. <i>Bioresource Technology</i> , 2010, 101, 8993-8999.	4.8	161
3	Anaerobic digestion of glycerol derived from biodiesel manufacturing. <i>Bioresource Technology</i> , 2009, 100, 5609-5615.	4.8	151
4	Impact of ammonia and sulphate concentration on thermophilic anaerobic digestion. <i>Bioresource Technology</i> , 2010, 101, 9040-9048.	4.8	115
5	Anaerobic co-digestion of glycerol and wastewater derived from biodiesel manufacturing. <i>Bioresource Technology</i> , 2010, 101, 6315-6321.	4.8	106
6	Purification of biodiesel from used cooking oils. <i>Applied Energy</i> , 2011, 88, 3625-3631.	5.1	91
7	Study of esterification and transesterification in biodiesel production from used frying oils in a closed system. <i>Chemical Engineering Journal</i> , 2010, 160, 473-479.	6.6	79
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	Effect of microwave pretreatment on semi-continuous anaerobic digestion of sewage sludge. <i>Renewable Energy</i> , 2018, 115, 917-925.	4.3	63
10	A kinetic study of anaerobic digestion of olive mill wastewater at mesophilic and thermophilic temperatures. <i>Environmental Pollution</i> , 1995, 88, 13-18.	3.7	55
11	Evolution of the composting process with semi-permeable film technology at industrial scale. <i>Journal of Cleaner Production</i> , 2016, 115, 245-254.	4.6	53
12	Improvement of anaerobic digestion of sewage sludge through microwave pre-treatment. <i>Journal of Environmental Management</i> , 2016, 177, 231-239.	3.8	49
13	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
14	Determination of the Stability of MSW Compost Using a Respirometric Technique. <i>Compost Science and Utilization</i> , 2003, 11, 169-175.	1.2	42
15	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
16	Kinetic study of an anaerobic fluidized bed system used for the purification of fermented olive mill wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 1993, 56, 155-162.	1.6	37
17	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
18	Mesophilic anaerobic co-digestion of sewage sludge and orange peel waste. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 898-906.	1.2	33

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19	Centralized management of sewage sludge and agro-industrial waste through co-composting. Journal of Environmental Management, 2017, 196, 387-393.	3.8	31
20	Monitoring of pile composting process of OFMSW at full scale and evaluation of odour emission impact. Journal of Environmental Management, 2015, 151, 531-539.	3.8	30
21	Effect of variation in the C/[N+P] ratio on anaerobic digestion. Environmental Progress and Sustainable Energy, 2019, 38, 228-236.	1.3	29
22	Kinetic modelling of the anaerobic digestion of wastewater derived from the pressing of orange rind produced in orange juice manufacturing. Chemical Engineering Journal, 2008, 140, 145-156.	6.6	26
23	Dynamic olfactometry and GCâ€“TOFMS to monitor the efficiency of an industrial biofilter. Science of the Total Environment, 2015, 512-513, 572-581.	3.9	26
24	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. Journal of Environmental Management, 2019, 247, 205-213.	3.8	26
25	Modelling the anaerobic digestion of wastewater derived from the pressing of orange peel produced in orange juice manufacturing. Bioresource Technology, 2010, 101, 3909-3916.	4.8	24
26	Storage effect in the quality of different methyl esters and blends with diesel. Fuel, 2012, 91, 119-125.	3.4	22
27	Usual variables and odour concentration to evaluate composting process and odour impact. Environmental Technology (United Kingdom), 2014, 35, 709-718.	1.2	21
28	Kinetic evaluation and performance of pilot-scale fed-batch aerated lagoons treating winery wastewaters. Bioresource Technology, 2010, 101, 3452-3456.	4.8	20
29	Odour in composting processes at pilot scale: monitoring and biofiltration. Environmental Technology (United Kingdom), 2014, 35, 1676-1684.	1.2	19
30	Wastewater nutrient recovery using twin-layer microalgae technology for biofertilizer production. Water Science and Technology, 2020, 82, 1044-1061.	1.2	19
31	Evaluation of the Anaerobic Co-Digestion of Sewage Sludge and Tomato Waste at Mesophilic Temperature. Applied Biochemistry and Biotechnology, 2014, 172, 3862-3874.	1.4	16
32	Evaluation of hydrothermal pretreatment for biological treatment of lignocellulosic feedstock (pepper plant and eggplant). Waste Management, 2020, 102, 76-84.	3.7	16
33	Valorisation of banana peel waste as a precursor material for different renewable energy systems. Biomass and Bioenergy, 2021, 155, 106279.	2.9	16
34	Influence of the operating conditions in the acetone pulping of wheat straw on the properties of the resulting paper sheets. Bioresource Technology, 2001, 79, 23-27.	4.8	14
35	Sunflower stalks as a possible fuel source. Fuel, 1990, 69, 792-794.	3.4	13
36	Anaerobic co-digestion of sewage sludge and strawberry extrudate under mesophilic conditions. Environmental Technology (United Kingdom), 2014, 35, 2920-2927.	1.2	13

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37	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
38	Compost Pile Monitoring Using Different Approaches: GC-MS, E-nose and Dynamic Olfactometry. <i>Waste and Biomass Valorization</i> , 2014, 5, 469-479.	1.8	10
39	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
40	Anaerobic treatment of wastewater produced in the manufacture of cellulosic pulp from wheat straw. <i>Environmental Technology (United Kingdom)</i> , 1993, 14, 1145-1153.	1.2	9
41	Assessment of the treatment, production and characteristics of WWTP sludge in Andalusia by multivariate analysis. <i>Chemical Engineering Research and Design</i> , 2017, 109, 609-620.	2.7	9
42	Liquid-liquid equilibrium data for the ternary systems water-ethyl alcohol-organic acid (hexanoic,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	1.0	8
43	Use of organic acids in the composting of municipal solid waste: a pilot-scale study. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 2149-2158.	1.2	7
44	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
45	Treatment of settled piggery waste by a down-flow anaerobic fixed bed reactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 851-862.	1.6	6
46	Kinetic study of the production of ethanol with <i>Saccharomyces cerevisiae</i> Immobilized on Berl saddles. <i>The Chemical Engineering Journal</i> , 1989, 42, B1-B7.	0.4	2