

# 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	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
2	Valorisation of banana peel waste as a precursor material for different renewable energy systems. <i>Biomass and Bioenergy</i> , 2021, 155, 106279.	2.9	16
3	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
4	Wastewater nutrient recovery using twin-layer microalgae technology for biofertilizer production. <i>Water Science and Technology</i> , 2020, 82, 1044-1061.	1.2	19
5	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
6	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
7	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
8	Effect of microwave pretreatment on semi-continuous anaerobic digestion of sewage sludge. <i>Renewable Energy</i> , 2018, 115, 917-925.	4.3	63
9	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
10	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
11	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
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	Integral valorisation of waste orange peel using combustion, biomethanisation and co-composting technologies. <i>Bioresource Technology</i> , 2016, 211, 173-182.	4.8	79
14	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
15	Dynamic olfactometry and GC-TOFMS to monitor the efficiency of an industrial biofilter. <i>Science of the Total Environment</i> , 2015, 512-513, 572-581.	3.9	26
16	Monitoring of pile composting process of OFMSW at full scale and evaluation of odour emission impact. <i>Journal of Environmental Management</i> , 2015, 151, 531-539.	3.8	30
17	Odour in composting processes at pilot scale: monitoring and biofiltration. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1676-1684.	1.2	19
18	Usual variables and odour concentration to evaluate composting process and odour impact. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 709-718.	1.2	21

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Mesophilic anaerobic co-digestion of sewage sludge and orange peel waste. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 898-906.	1.2	33
23	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
24	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
25	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
26	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
27	Storage effect in the quality of different methyl esters and blends with diesel. <i>Fuel</i> , 2012, 91, 119-125.	3.4	22
28	Purification of biodiesel from used cooking oils. <i>Applied Energy</i> , 2011, 88, 3625-3631.	5.1	91
29	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
30	Kinetic evaluation and performance of pilot-scale fed-batch aerated lagoons treating winery wastewaters. <i>Bioresource Technology</i> , 2010, 101, 3452-3456.	4.8	20
31	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
32	Anaerobic co-digestion of glycerol and wastewater derived from biodiesel manufacturing. <i>Bioresource Technology</i> , 2010, 101, 6315-6321.	4.8	106
33	Biomethanization of orange peel waste. <i>Bioresource Technology</i> , 2010, 101, 8993-8999.	4.8	161
34	Impact of ammonia and sulphate concentration on thermophilic anaerobic digestion. <i>Bioresource Technology</i> , 2010, 101, 9040-9048.	4.8	115
35	Anaerobic digestion of glycerol derived from biodiesel manufacturing. <i>Bioresource Technology</i> , 2009, 100, 5609-5615.	4.8	151
36	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

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37	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
38	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
39	Determination of the Stability of MSW Compost Using a Respirometric Technique. <i>Compost Science and Utilization</i> , 2003, 11, 169-175.	1.2	42
40	Influence of the operating conditions in the acetone pulping of wheat straw on the properties of the resulting paper sheets. <i>Bioresource Technology</i> , 2001, 79, 23-27.	4.8	14
41	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
42	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
43	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
44	Sunflower stalks as a possible fuel source. <i>Fuel</i> , 1990, 69, 792-794.	3.4	13
45	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
46	Liquid-liquid equilibrium data for the ternary systems water-ethyl alcohol-organic acid (hexanoic,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.0	8