Maria Angeles Bustamante

List of Publications by Year
in descending order

86 papers	3,634 citations	159573 30 h-index	138468 58 g-index
86 all docs	86 docs citations	86 times ranked	3499 citing authors

#	Article	IF	Citations
1	Bacterial and fungal community dynamics during different stages of agro-industrial waste composting and its relationship with compost suppressiveness. Science of the Total Environment, 2022, 805, 150330.	8.0	25
2	Nutrient Release Dynamics in Argentinean Pampean Soils Amended with Composts under Laboratory Conditions. Agronomy, 2022, 12, 795.	3.0	2
3	Development and Validation of Alternative Palm-Derived Substrates for Seedling Production. Agronomy, 2022, 12, 1377.	3.0	1
4	Olive mill wastewater-evaporation ponds long term stored: Integrated assessment of in situ bioremediation strategies based on composting and vermicomposting. Journal of Hazardous Materials, 2021, 402, 123481.	12.4	47
5	The influence of feedstocks and additives in 23 added-value composts as a growing media component on Pythium irregulare suppressivity. Waste Management, 2021, 120, 351-363.	7.4	10
6	Use of Agri-Food Composts in Almond Organic Production: Effects on Soil and Fruit Quality. Agronomy, 2021, 11, 536.	3.0	6
7	Effect of Compost Extract Addition to Different Types of Fertilizers on Quality at Harvest and Shelf Life of Spinach. Agronomy, 2021, 11, 632.	3.0	8
8	Use of livestock waste composts as nursery growing media: Effect of a washing pre-treatment. Scientia Horticulturae, 2021, 281, 109954.	3.6	18
9	Effect of Organic Amendment Addition on Soil Properties, Greenhouse Gas Emissions and Grape Yield in Semi-Arid Vineyard Agroecosystems. Agronomy, 2021, 11, 1477.	3.0	14
10	Management of Green Waste Streams from Different Origins: Assessment of Different Composting Scenarios. Agronomy, 2021, 11, 1870.	3.0	3
11	Role of proteins and soluble peptides as limiting components during the co-composting of agro-industrial wastes. Journal of Environmental Management, 2021, 300, 113701.	7.8	3
12	Production of spinach in intensive Mediterranean horticultural systems can be sustained by organic-based fertilizers without yield penalties and with low environmental impacts. Agricultural Systems, 2020, 178, 102765.	6.1	13
13	Nitrogen Isotope Fractionation during Composting of Sewage and Agri-Food Sludge with Pruning Waste. Agronomy, 2020, 10, 1954.	3.0	3
14	Effects of Soil Fertilization on Terpenoids and Other Carbon-Based Secondary Metabolites in Rosmarinus officinalis Plants: A Comparative Study. Plants, 2020, 9, 830.	3.5	22
15	Reducing the composting time of broiler agro-industrial wastes: The effect of process monitoring parameters and agronomic quality. Waste Management, 2019, 96, 25-35.	7.4	18
16	Comprehensive management of dog faeces: Composting versus anaerobic digestion. Journal of Environmental Management, 2019, 250, 109437.	7.8	7
17	The effect of anaerobic digestate derived composts on the metabolite composition and thermal behaviour of rosemary. Scientific Reports, 2019, 9, 6489.	3.3	10
18	Composting as a method to recycle renewable plant resources back to the ornamental plant industry: Agronomic and economic assessment of composts. Chemical Engineering Research and Design, 2018, 116, 388-395.	5.6	25

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19	Composting of the invasive species Arundo donax with sewage and agri-food sludge: Agronomic, economic and environmental aspects. Waste Management, 2018, 78, 730-740.	7.4	15
20	Recovery of Ammonia in Raw and Co-digested Swine Manure Using Gas-Permeable Membrane Technology. Frontiers in Sustainable Food Systems, 2018, 2, .	3.9	15
21	Valorization of date palm (Phoenix dactylifera L.) pruning biomass by co-composting with urban and agri-food sludge. Journal of Environmental Management, 2018, 226, 408-415.	7.8	32
22	Agroindustrial composts to reduce the use of peat and fungicides in the cultivation of muskmelon seedlings. Journal of the Science of Food and Agriculture, 2017, 97, 875-881.	3.5	15
23	Evaluation of the slurry management strategy and the integration of the composting technology in a pig farm â€“ Agronomical and environmental implications. Journal of Environmental Management, 2017, 192, 57-67.	7.8	28
24	Mesophilic anaerobic digestion of pig slurry and fruit and vegetable waste: Dissection of the microbial community structure. Journal of Cleaner Production, 2017, 156, 757-765.	9.3	86
25	Agroindustrial compost as a peat alternative in the horticultural industry of Ecuador. Journal of Environmental Management, 2017, 186, 79-87.	7.8	23
26	Orchard and horticulture systems in Spanish Mediterranean coastal areas: Is there a real possibility to contribute to C sequestration?. Agriculture, Ecosystems and Environment, 2017, 238, 153-167.	5.3	43
27	Near infrared reflectance spectroscopy (NIRS) for the assessment of biomass production and C sequestration by Arundo donax L. in salt-affected environments. Agricultural Water Management, 2017, 183, 94-100.	5.6	12
28	Composting as sustainable strategy for municipal solid waste management in the Chimborazo Region, Ecuador: Suitability of the obtained composts for seedling production. Journal of Cleaner Production, 2017, 141, 1349-1358.	9.3	108
29	Development of organic fertilizers from food market waste and urban gardening by composting in Ecuador. PLoS ONE, 2017, 12, e0181621.	2.5	30
30	Thermal and spectroscopic analysis of organic matter degradation and humification during composting of pig slurry in different scenarios. Environmental Science and Pollution Research, 2016, 23, 17357-17369.	5.3	17
31	Phosphorus availability from rock phosphate: Combined effect of green waste composting and sulfur addition. Journal of Environmental Management, 2016, 182, 557-563.	7.8	69
32	Effects of spent mushroom substrates and inorganic fertilizer on the characteristics of a calcareous clayeyâ€loam soil and lettuce production. Soil Use and Management, 2016, 32, 487-494.	4.9	27
33	Carbon conservation strategy for the management of pig slurry by composting: Initial study of the bulking agent influence. Mitigation and Adaptation Strategies for Global Change, 2016, 21, 1093-1105.	2.1	9
34	Windrow composting as horticultural waste management strategy â€“ A case study in Ecuador. Waste Management, 2016, 48, 127-134.	7.4	65
35	Agri-food sludge management using different co-composting strategies: study of the added value of the composts obtained. Journal of Cleaner Production, 2016, 121, 186-197.	9.3	75
36	Gaseous emissions and process development during composting of pig slurry: the influence of the proportion of cotton gin waste. Journal of Cleaner Production, 2016, 112, 81-90.	9.3	85

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37	Chemical, Thermal and Spectroscopic Methods to Assess Biodegradation of Winery-Distillery Wastes during Composting. PLoS ONE, 2015, 10, e0138925.	2.5	34
38	Opportunities and Challenges of Organic Waste Management from the Agroindustrial Sector in South America: Chimborazo Province Case Study. Communications in Soil Science and Plant Analysis, 2015, 46, 137-156.	1.4	12
39	Recycling of Two-Phase Olive-Mill Cake â€œAlperujoâ€•by Co-composting with Animal Manures. Communications in Soil Science and Plant Analysis, 2015, 46, 238-247.	1.4	8
40	Urban Waste Management and Potential Agricultural Use in South American Developing Countries: A Case Study of Chimborazo Region (Ecuador). Communications in Soil Science and Plant Analysis, 2015, 46, 157-169.	1.4	6
41	Changes in microbial community structure and functioning of a semiarid soil due to the use of anaerobic digestate derived composts and rosemary plants. Geoderma, 2015, 245-246, 89-97.	5.1	67
42	Wineryâ€“distillery composts as partial substitutes of traditional growing media: Effect on the volatile composition of thyme essential oils. Scientia Horticulturae, 2015, 193, 69-76.	3.6	17
43	Vermicomposting as an Added-Value Post-treatment for Livestock Waste Composts. Communications in Soil Science and Plant Analysis, 2015, 46, 208-218.	1.4	0
44	New Biomass Sources to Reduce Peat Dependence in Mediterranean Substrates: Validation ofMorus albaL.,Sorghum vulgareL., andPhoenix canariensisPruning Wastes. Communications in Soil Science and Plant Analysis, 2015, 46, 10-19.	1.4	6
45	Optimization of Medlar Pruning Waste Composting Process by Cattle Manure Addition. Communications in Soil Science and Plant Analysis, 2015, 46, 228-237.	1.4	4
46	Valorization of Mediterranean Livestock Manures: Composting of Rabbit and Goat Manure and Quality Assessment of the Compost Obtained. Communications in Soil Science and Plant Analysis, 2015, 46, 248-255.	1.4	6
47	Drought and soil amendment effects on monoterpene emission in rosemary plants. Science of the Total Environment, 2015, 538, 768-778.	8.0	30
48	The Challenge of Peat Substitution in Organic Seedling Production: Optimization of Growing Media Formulation through Mixture Design and Response Surface Analysis. PLoS ONE, 2015, 10, e0128600.	2.5	82
49	Integrated Waste Management Combining Anaerobic and Aerobic Treatment: A Case Study. Waste and Biomass Valorization, 2014, 5, 481-490.	3.4	8
50	Recycling of Agro-food Wastes into Vineyards by Composting: Agronomic Validation in Field Conditions. Communications in Soil Science and Plant Analysis, 2013, 44, 502-516.	1.4	20
51	Recycling of anaerobic digestates by composting: effect of the bulking agent used. Journal of Cleaner Production, 2013, 47, 61-69.	9.3	141
52	Estimation of parameters in sewage sludge by near-infrared reflectance spectroscopy (NIRS) using several regression tools. Talanta, 2013, 110, 81-88.	5.5	10
53	Agricultural and Industrial Valorization ofArundo donaxL.. Communications in Soil Science and Plant Analysis, 2013, 44, 598-609.	1.4	21
54	Substitution of Peat in Horticultural Seedlings: Suitability of Digestate-Derived Compost from Cattle Manure and Maize Silage Codigestion. Communications in Soil Science and Plant Analysis, 2013, 44, 668-677.	1.4	43

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55	CHALLENGES OF COMPOSTING FOR GROWING MEDIA PURPOSES IN SPAIN AND THE MEDITERRANEAN AREA. Acta Horticulturae, 2013, , 25-39.	0.2	14
56	Evaluation of posidonia seaweed-based compost as a substrate for melon and tomato seedling production. Journal of Horticultural Science and Biotechnology, 2013, 88, 345-351.	1.9	22
57	A comparative cost analysis for using compost derived from anaerobic digestion as a peat substitute in a commercial plant nursery. Ciencia E Investigacion Agraria, 2013, 40, 253-264.	0.2	5
58	Relationships between soil physico-chemical, chemical and biological properties in a soil amended with spent mushroom substrate. Geoderma, 2012, 173-174, 152-161.	5.1	109
59	Co-composting of the solid fraction of anaerobic digestates, to obtain added-value materials for use in agriculture. Biomass and Bioenergy, 2012, 43, 26-35.	5.7	150
60	N and C transformations in stored cattle farmyard manure, including direct estimates of N2 emission. Resources, Conservation and Recycling, 2012, 63, 35-42.	10.8	26
61	Composition of Oregano Essential Oil (Origanum vulgare) as Affected by the Use of Winery-Distillery Composts. Journal of Essential Oil Research, 2011, 23, 32-38.	2.7	8
62	Application of winery and distillery waste composts to a Jumilla (SE Spain) vineyard: Effects on the characteristics of a calcareous sandy-loam soil. Agriculture, Ecosystems and Environment, 2011, 140, 80-87.	5.3	64
63	USE OF WINERY-DISTILLERY COMPOSTS FOR LETTUCE AND WATERMELON SEEDLING PRODUCTION. Acta Horticulturae, 2011, , 143-150.	0.2	1
64	USE OF WINERY-DISTILLERY COMPOSTS IN PROPAGATION OF TWO AROMATIC CROPS. Acta Horticulturae, 2011, , 135-142.	0.2	0
65	The potential of near infrared reflectance spectroscopy (NIRS) for the estimation of agroindustrial compost quality. Science of the Total Environment, 2010, 408, 1414-1421.	8.0	45
66	Influences of wineryâ€“distillery waste compost stability and soil type on soil carbon dynamics in amended soils. Waste Management, 2010, 30, 1966-1975.	7.4	56
67	Use of chemometrics in the chemical and microbiological characterization of composts from agroindustrial wastes. Bioresource Technology, 2010, 101, 4068-4074.	9.6	26
68	Estimation of phosphorus content and dynamics during composting: Use of near infrared spectroscopy. Chemosphere, 2010, 78, 13-21.	8.2	28
69	Effectiveness of Near Infrared Reflectance Spectroscopy in the Quick Evaluation of Nitrogen Content in Sewage Sludge. Communications in Soil Science and Plant Analysis, 2009, 40, 726-735.	1.4	8
70	Dioxin Content in Compost Samples. Communications in Soil Science and Plant Analysis, 2009, 40, 672-681.	1.4	0
71	Spent mushroom substrates as component of growing media for germination and growth of horticultural plants. Bioresource Technology, 2009, 100, 4227-4232.	9.6	144
72	Utilisation of manure composts by high-value crops: Safety and environmental challenges. Bioresource Technology, 2009, 100, 5454-5460.	9.6	130

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73	Study of the composting process of winery and distillery wastes using multivariate techniques. Bioresource Technology, 2009, 100, 4766-4772.	9.6	48
74	Study of the Evolution of Organic Matter during Composting of Winery and Distillery Residues by Classical and Chemometric Analysisâ€. Journal of Agricultural and Food Chemistry, 2009, 57, 9613-9623.	5.2	23
75	Characterization of the Different Organic Matter Fractions of Spent Mushroom Substrate. Communications in Soil Science and Plant Analysis, 2009, 40, 150-161.	1.4	53
76	Use of Composts Derived from Winery Wastes in Tomato Crop. Communications in Soil Science and Plant Analysis, 2009, 40, 445-452.	1.4	7
77	Composts from distillery wastes as peat substitutes for transplant production. Resources, Conservation and Recycling, 2008, 52, 792-799.	10.8	174
78	Evolution of the pathogen content during co-composting of winery and distillery wastes. Bioresource Technology, 2008, 99, 7299-7306.	9.6	47
79	Agrochemical characterisation of the solid by-products and residues from the winery and distillery industry. Waste Management, 2008, 28, 372-380.	7.4	256
80	Co-composting of distillery wastes with animal manures: Carbon and nitrogen transformations in the evaluation of compost stability. Chemosphere, 2008, 72, 551-557.	8.2	231
81	Co-composting of distillery and winery wastes with sewage sludge. Water Science and Technology, 2007, 56, 187-192.	2.5	31
82	Dissolved organic matter fractions formed during composting of winery and distillery residues: Evaluation of the process by fluorescence excitationâ€“emission matrix. Chemosphere, 2007, 68, 301-309.	8.2	159
83	Evaluation of the aerobic composting process of winery and distillery residues by thermal methods. Thermochimica Acta, 2007, 454, 135-143.	2.7	25
84	Short-term carbon and nitrogen mineralisation in soil amended with winery and distillery organic wastes. Bioresource Technology, 2007, 98, 3269-3277.	9.6	66
85	Evaluation of composted sewage sludge as nutritional source for horticultural soils. Waste Management, 2006, 26, 946-952.	7.4	64
86	Uses of winery and distillery effluents in agriculture: characterisation of nutrient and hazardous components. Water Science and Technology, 2005, 51, 145-151.	2.5	110