Pere MuÃ±oz

List of Publications by Year
in descending order

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64 papers	2,515 citations	186265 28 h-index	197818 49 g-index
64 all docs	64 docs citations	64 times ranked	2796 citing authors

#	Article	IF	Citations
1	Environmental Assessment of Two Irrigation Systems in an Organic Tomato Crop System Under Manure Compost Fertilization: a Sustainable Circular Economy Approach in Catalonia (Spain). Circular Economy and Sustainability, 2022, 2, 1445-1462.	5.5	0
2	Comparison of organic substrates in urban rooftop agriculture, towards improving crop production resilience to temporary drought in Mediterranean cities. Journal of the Science of Food and Agriculture, 2021, 101, 5888-5897.	3.5	6
3	Identifying potential applications for residual biomass from urban agriculture through eco-ideation: Tomato stems from rooftop greenhouses. Journal of Cleaner Production, 2021, 295, 126360.	9.3	10
4	Optimizing irrigation in urban agriculture for tomato crops in rooftop greenhouses. Science of the Total Environment, 2021, 794, 148689.	8.0	23
5	Applying nutrient dynamics to adjust the nutrient-water balance in hydroponic crops. A case study with open hydroponic tomato crops from Barcelona. Scientia Horticulturae, 2020, 261, 108908.	3.6	19
6	Analysis of urban agriculture solid waste in the frame of circular economy: Case study of tomato crop in integrated rooftop greenhouse. Science of the Total Environment, 2020, 734, 139375.	8.0	41
7	Resources Sustainability. N Application in Crops to Determine the Best Environmental Performance Using Life Cycle Assessment Methodology. Environmental Management and Sustainable Development, 2019, 8, 71.	0.2	0
8	Economic profitability of agroforestry in nitrate vulnerable zones in Catalonia (NE Spain). Spanish Journal of Agricultural Research, 2019, 17, e0101.	0.6	13
9	Environmental assessment of an integrated rooftop greenhouse for food production in cities. Journal of Cleaner Production, 2018, 177, 326-337.	9.3	113
10	Carbon footprint and profitability of two apple cultivation training systems: Central axis and Fruiting wall. Scientia Horticulturae, 2018, 229, 233-239.	3.6	7
11	A study on air quality and heavy metals content of urban food produced in a Mediterranean city (Barcelona). Journal of Cleaner Production, 2018, 195, 385-395.	9.3	65
12	Improving the Metabolism and Sustainability of Buildings and Cities Through Integrated Rooftop Greenhouses (i-RTG). Sustainable Development and Biodiversity, 2018, , 53-72.	1.7	4
13	Current trends in protected cultivation in Mediterranean climates. European Journal of Horticultural Science, 2018, 83, 294-305.	0.7	30
14	Life Cycle Assessment of apple and peach production, distribution and consumption in Mediterranean fruit sector. Journal of Cleaner Production, 2017, 149, 313-320.	9.3	77
15	N2O emissions from protected soilless crops for more precise food and urban agriculture life cycle assessments. Journal of Cleaner Production, 2017, 149, 1118-1126.	9.3	26
16	Building-integrated agriculture: A first assessment of aerobiological air quality in rooftop greenhouses (i-RTGs). Science of the Total Environment, 2017, 598, 109-120.	8.0	27
17	Municipal solid waste composting: Application as a tomato fertilizer and its effect on crop yield, fruit quality and phenolic content. Renewable Agriculture and Food Systems, 2017, 32, 358-365.	1.8	8
18	Productivity of a building-integrated roof top greenhouse in a Mediterranean climate. Agricultural Systems, 2017, 158, 14-22.	6.1	26

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19	Technology for Rooftop Greenhouses. Urban Agriculture, 2017, , 83-101.	0.5	16
20	Ongoing developments in greenhouse climate control. Acta Horticulturae, 2017, , 1-14.	0.2	1
21	Numerical simulation of the effect of different mulches on the heat storage capacity of a Mediterranean greenhouse soil. Acta Horticulturae, 2017, , 119-128.	0.2	4
22	Heating and dehumidification in production greenhouses at northern latitudes: energy use. Acta Horticulturae, 2017, , 445-452.	0.2	11
23	Assessment of energy consumption in organic tomato greenhouse production â€“ a case study. Acta Horticulturae, 2017, , 453-460.	0.2	5
24	Potential of different energy saving strategies in heated greenhouse. Acta Horticulturae, 2017, , 467-474.	0.2	6
25	Energy use for greenhouse heating in organic production in southern European countries. Acta Horticulturae, 2017, , 439-444.	0.2	1
26	Roofs of the Future: Rooftop Greenhouses to Improve Buildings Metabolism. Procedia Engineering, 2015, 123, 441-448.	1.2	55
27	Life cycle assessment of organic and mineral fertilizers in a crop sequence of cauliflower and tomato. International Journal of Environmental Science and Technology, 2015, 12, 3299-3316.	3.5	20
28	A method of coupling CFD and energy balance simulations to study humidity control in unheated greenhouses. Computers and Electronics in Agriculture, 2015, 115, 129-141.	7.7	49
29	Life Cycle Assessment of multiyear peach production. Journal of Cleaner Production, 2015, 104, 68-79.	9.3	41
30	Multifunctionality-solving approaches of compost application in crop rotations. Journal of Cleaner Production, 2014, 64, 384-395.	9.3	14
31	Improvement of Agricultural Life Cycle Assessment Studies through Spatial Differentiation and New Impact Categories: Case Study on Greenhouse Tomato Production. Environmental Science & Technology, 2014, 48, 9454-9462.	10.0	51
32	Environmental assessment of two home composts with high and low gaseous emissions of the composting process. Resources, Conservation and Recycling, 2014, 90, 9-20.	10.8	33
33	Application challenges for the social Life Cycle Assessment of fertilizers within life cycle sustainability assessment. Journal of Cleaner Production, 2014, 69, 34-48.	9.3	198
34	Environmental and agronomical assessment of three fertilization treatments applied in horticultural open field crops. Journal of Cleaner Production, 2014, 67, 147-158.	9.3	31
35	IMPROVEMENTS IN THE LIFE CYCLE APPROACH AS AN ENVIRONMENTAL EVALUATION TOOL IN ORGANIC FARMING. Acta Horticulturae, 2014, , 287-290.	0.2	0
36	Assessing the Environmental Impact of Water Consumption by Energy Crops Grown in Spain. Journal of Industrial Ecology, 2013, 17, 90-102.	5.5	58

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37	Compost benefits for agriculture evaluated by life cycle assessment. A review. Agronomy for Sustainable Development, 2013, 33, 721-732.	5.3	171
38	Assessing potential desertification environmental impact in life cycle assessment. Part 2: agricultural case study in Spain and Argentina. International Journal of Life Cycle Assessment, 2013, 18, 1302-1315.	4.7	4
39	Inclusion of soil erosion impacts in life cycle assessment on a global scale: application to energy crops in Spain. International Journal of Life Cycle Assessment, 2013, 18, 755-767.	4.7	55
40	A new optimisation methodology used to study the effect of cover properties on night-time greenhouse climate. Biosystems Engineering, 2013, 116, 130-143.	4.3	16
41	Assessing the Environmental Benefits of Compost Use-on-Land through an LCA Perspective. Sustainable Agriculture Reviews, 2013, , 255-318.	1.1	17
42	Uptake of microcontaminants by crops irrigated with reclaimed water and groundwater under real field greenhouse conditions. Environmental Science and Pollution Research, 2013, 20, 3629-3638.	5.3	66
43	Shading screens for the improvement of the night time climate of unheated greenhouses. Spanish Journal of Agricultural Research, 2013, 11, 32.	0.6	31
44	LCA of a tomato crop in a multi-tunnel greenhouse in Almeria. International Journal of Life Cycle Assessment, 2012, 17, 863-875.	4.7	150
45	Comparing nutritional value and yield as functional units in the environmental assessment of horticultural production with organic or mineral fertilization. International Journal of Life Cycle Assessment, 2011, 16, 12-26.	4.7	48
46	Assessment of tomato Mediterranean production in open-field and standard multi-tunnel greenhouse, with compost or mineral fertilizers, from an agricultural and environmental standpoint. Journal of Cleaner Production, 2011, 19, 985-997.	9.3	145
47	Regional Assessment of Waste Flow Eco-Synergy in Food Production: Using Compost and Polluted Ground Water in Mediterranean Horticulture Crops. , 2011, , 319-330.		0
48	Assessing potential desertification environmental impact in life cycle assessment. International Journal of Life Cycle Assessment, 2010, 15, 67-78.	4.7	61
49	Simulation of nitrogen leaching from a fertigated crop rotation in a Mediterranean climate using the EU-Rotate_N and Hydrus-2D models. Agricultural Water Management, 2010, 97, 277-285.	5.6	78
50	SOIL AND PLANT NITROGEN DYNAMICS OF A TOMATO CROP UNDER DIFFERENT FERTILIZATION STRATEGIES. Acta Horticulturae, 2010, , 207-214.	0.2	3
51	Uptake and persistence of pesticides in plants: Measurements and model estimates for imidacloprid after foliar and soil application. Journal of Hazardous Materials, 2009, 165, 683-689.	12.4	103
52	Life cycle assessment of the use of compost from municipal organic waste for fertilization of tomato crops. Resources, Conservation and Recycling, 2009, 53, 340-351.	10.8	106
53	High decrease in nitrate leaching by lower N input without reducing greenhouse tomato yield. Agronomy for Sustainable Development, 2008, 28, 489-495.	5.3	53
54	COMPARING THE ENVIRONMENTAL IMPACTS OF GREENHOUSE VERSUS OPEN-FIELD TOMATO PRODUCTION IN THE MEDITERRANEAN REGION. Acta Horticulturae, 2008, , 1591-1596.	0.2	47

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55	SUGGESTIONS TO IMPROVE LEEWARD VENTILATION OF LARGE SPAN GREENHOUSES. Acta Horticulturae, 2008, , 949-954.	0.2	3
56	ENVIRONMENTAL AND ECONOMIC EVALUATION OF GREENHOUSE COOLING SYSTEMS IN SOUTHERN SPAIN. Acta Horticulturae, 2006, , 211-214.	0.2	6
57	COMPUTATIONAL FLUID DYNAMIC MODELLING OF NIGHT-TIME ENERGY FLUXES IN UNHEATED GREENHOUSES. Acta Horticulturae, 2005, , 403-410.	0.2	39
58	LCA and tomato production in Mediterranean greenhouses. , 2005, 4, 102.		35
59	Improving waste management in protected horticulture. Agronomy for Sustainable Development, 2005, 25, 447-453.	5.3	27
60	IDENTIFICATION OF THE MAIN FACTORS AFFECTING THE ENVIRONMENTAL IMPACT OF PASSIVE GREENHOUSES. Acta Horticulturae, 2005, , 489-494.	0.2	7
61	COMPARATIVE TESTS AND MODELLING OF HUMIDITY CONTROL STRATEGIES IN MEDITERRANEAN GREENHOUSES PLACED IN CONTINENTAL AND COASTAL SITES. Acta Horticulturae, 2005, , 195-202.	0.2	0
62	Transpiration from geranium grown under high temperatures and low humidities in greenhouses. Agricultural and Forest Meteorology, 2001, 107, 323-332.	4.8	92
63	Effect of Insect-proof Screens and Roof Openings on Greenhouse Ventilation. Biosystems Engineering, 1999, 73, 171-178.	0.4	63
64	Eco-ideation techniques to identify potential aplications for the organic waste from urban agriculture as eco-material Â. , 0, , .		0