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List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Microclimatic Evaluation of Five Types of Colombian Greenhouses Using Geostatistical Techniques. <i>Sensors</i> , 2022, 22, 3925.	2.1	2
2	Accounting for correlational structures in stochastic comparative life cycle assessments through copula modeling. <i>International Journal of Life Cycle Assessment</i> , 2021, 26, 604-615.	2.2	4
3	Environmental fate of pesticides in open field and greenhouse tomato production regions from Colombia. <i>Environmental Advances</i> , 2021, 3, 100031.	2.2	7
4	Contribution to the Sustainability of Agricultural Production in Greenhouses Built on Slope Soils: A Numerical Study of the Microclimatic Behavior of a Typical Colombian Structure. <i>Sustainability</i> , 2021, 13, 4748.	1.6	11
5	Evaluation of the Microclimate in a Traditional Colombian Greenhouse Used for Cut Flower Production. <i>Agronomy</i> , 2021, 11, 1330.	1.3	6
6	Indicadores de sostenibilidad agrícola asociados a propiedades, procesos y manejo del suelo. <i>Ciencia Tecnología Agropecuaria</i> , 2021, 22, e1919.	0.3	0
7	Influence of the Height in a Colombian Multi-Tunnel Greenhouse on Natural Ventilation and Thermal Behavior: Modeling Approach. <i>Sustainability</i> , 2021, 13, 13631.	1.6	8
8	Sustainability of smallholder quinoa production in the Peruvian Andes. <i>Journal of Cleaner Production</i> , 2020, 264, 121657.	4.6	11
9	Resolving the twin human and environmental health hazards of a plant-based diet. <i>Environment International</i> , 2020, 144, 106081.	4.8	25
10	Study using a CFD approach of the efficiency of a roof ventilation closure system in a multi-tunnel greenhouse for nighttime microclimate optimization. <i>Revista Ceres</i> , 2020, 67, 345-356.	0.1	9
11	Experimental evaluation of the thermal and hygrometric behavior of a Colombian greenhouse used for the production of roses (<i>Rosa</i> spp.). <i>Ornamental Horticulture</i> , 2020, 26, 205-219.	0.4	9
12	Analysis of the microclimatic behavior of a greenhouse used to produce carnation (<i>Dianthus</i>). <i>Overlock</i> , 2019, 10, 50-302.	0.4	12
13	Effects of surrounding objects on the thermal performance of passively ventilated greenhouses. <i>Journal of Agricultural Engineering</i> , 2019, 50, 20-27.	0.7	14
14	Datasets of the environmental factors and management practices of the smallholder tomato production systems in the Colombian Andes. <i>Data in Brief</i> , 2019, 24, 103844.	0.5	1
15	Understanding the heterogeneity of smallholder production systems in the Andean tropics – The case of Colombian tomato growers. <i>Njas - Wageningen Journal of Life Sciences</i> , 2019, 88, 1-9.	7.9	11
16	Study of natural ventilation in a Gothic multi-tunnel greenhouse designed to produce rose (<i>Rosa</i> spp.) in the high-Andean tropic. <i>Ornamental Horticulture</i> , 2019, 25, 133-143.	0.4	19
17	Numerical evaluation of passive strategies for nocturnal climate optimization in a greenhouse designed for rose production (<i>Rosa</i> spp.). <i>Ornamental Horticulture</i> , 2019, 25, 351-364.	0.4	14
18	SIMULACION DEL MICROCLIMA EN UN INVERNADERO USADO PARA LA PRODUCCIÓN DE ROSAS BAJO CONDICIONES DE CLIMA INTERTROPICAL. <i>Chilean Journal of Agricultural and Animal Sciences</i> , 2019, , 0-0.	0.1	5

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19	Modeling the suitability of the traditional plastic greenhouse for tomato production across Colombian regions. <i>Acta Horticulturae</i> , 2018, , 857-864.	0.1	5
20	Uncertainty on nitrogen emission data of smallholder greenhouse tomato growers in the Andean tropics of Colombia. <i>Acta Horticulturae</i> , 2018, , 865-870.	0.1	0
21	Determinación del comportamiento térmico de un invernadero espacial colombiano mediante dinámica de fluidos computacional. <i>Revista U D C A Actualidad & Divulgación Científica</i> , 2018, 21, .	0.1	5
22	Uncertainty of the Agricultural Grey Water Footprint Based on High Resolution Primary Data. <i>Water Resources Management</i> , 2017, 31, 3389-3400.	1.9	26
23	Environmental savings in tomato production under optimal agrochemicals management: a modeling approach. <i>Acta Horticulturae</i> , 2017, , 137-144.	0.1	4
24	A tailor-made crop growth model for the tomato production systems in Colombia. <i>Agronomía Colombiana</i> , 2017, 35, 301-313.	0.1	3
25	Adaptation of a leaf wetness duration model for tomato under Colombian greenhouse conditions. <i>Agronomía Colombiana</i> , 2015, 33, 11-19.	0.1	1
26	An image retrieval system for tomato disease assessment. , 2014, , .		13
27	Automatic detection of early blight infection on tomato crops using a color based classification strategy. , 2014, , .		13
28	Monitoring of pesticide residues in tomato marketed in Bogota, Colombia. <i>Food Control</i> , 2014, 35, 213-217.	2.8	56
29	Life cycle assessment of Colombian greenhouse tomato production based on farmer-level survey data. <i>Journal of Cleaner Production</i> , 2014, 69, 26-33.	4.6	71
30	Color and size image dataset normalization protocol for natural image classification: A case study in tomato crop pathologies. , 2013, , .		8
31	Evaluation of pesticide residues in open field and greenhouse tomatoes from Colombia. <i>Food Control</i> , 2013, 30, 400-403.	2.8	61
32	Investigating the technical sustainability of farming systems with correlational biplots. <i>International Journal of Sustainable Development and World Ecology</i> , 2012, 19, 361-368.	3.2	6
33	Extending the input-output energy balance methodology in agriculture through cluster analysis. <i>Energy</i> , 2012, 47, 465-470.	4.5	18
34	Modeling egg development of the pest <i>Clavipalpus ursinus</i> (Coleoptera: Melolonthidae) using a temperature-dependent approach. <i>Insect Science</i> , 2012, 19, 657-665.	1.5	3
35	Analysis of Potato Canopy Coverage as Assessed Through Digital Imagery by Nonlinear Mixed Effects Models. <i>Potato Research</i> , 2011, 54, 237-252.	1.2	18
36	Parameter uncertainty in LCA: stochastic sampling under correlation. <i>International Journal of Life Cycle Assessment</i> , 2010, 15, 238-246.	2.2	45

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37	Energy assessment of peri-urban horticulture and its uncertainty: Case study for Bogota, Colombia. Energy, 2010, 35, 2109-2118.	4.5	50
38	Sustainability aspects of vegetable production in the peri-urban environment of Bogotá, Colombia. International Journal of Sustainable Development and World Ecology, 2010, 17, 487-498.	3.2	6
39	Analysis of Greenhouse Air Temperature Distribution Using Geostatistical Methods. Transactions of the ASABE, 2009, 52, 957-968.	1.1	15
40	Use of geostatistical and crop growth modelling to assess the variability of greenhouse tomato yield caused by spatial temperature variations. Computers and Electronics in Agriculture, 2009, 65, 219-227.	3.7	44
41	Node appearance model for Lulo (Solanum quitoense Lam.) in the high altitude tropics. Biosystems Engineering, 2008, 101, 383-387.	1.9	12
42	Simulación numérica del comportamiento térmico de un macro túnel utilizado para la producción de hongos comestibles bajo condiciones de clima tropical. Tecnología En Marcha, 0, , .	0.1	2