

Edwin andres Villagran munar

List of Publications by Year in descending order

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26
papers

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1040056

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32
docs citations

32
times ranked

29
citing authors

#	ARTICLE	IF	CITATIONS
1	Valuation of Climate Performance of a Low-Tech Greenhouse in Costa Rica. <i>Processes</i> , 2022, 10, 693.	2.8	5
2	Greenhouse Thermal Effectiveness to Produce Tomatoes Assessed by a Temperature-Based Index. <i>Agronomy</i> , 2022, 12, 1158.	3.0	1
3	Microclimatic Evaluation of Five Types of Colombian Greenhouses Using Geostatistical Techniques. <i>Sensors</i> , 2022, 22, 3925.	3.8	2
4	Implementation of ventilation towers in a greenhouse established in low altitude tropical climate conditions: numerical approach to the behavior of the natural ventilation. <i>Revista Ceres</i> , 2021, 68, 10-22.	0.4	6
5	Two-Dimensional Numerical Study of the Microclimate Generated in Three Screenhouses for the Climatic Conditions of the Colombian Caribbean. <i>International Journal of Heat and Technology</i> , 2021, 39, 460-468.	0.6	4
6	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.	3.2	11
7	Thermo-Environmental Performance of Four Different Shapes of Solar Greenhouse Dryer with Free Convection Operating Principle and No Load on Product. <i>Fluids</i> , 2021, 6, 183.	1.7	12
8	Analysis of the Thermal Behavior of a New Structure of Protected Agriculture Established in a Region of Tropical Climate Conditions. <i>Fluids</i> , 2021, 6, 223.	1.7	1
9	Evaluation of the Microclimate in a Traditional Colombian Greenhouse Used for Cut Flower Production. <i>Agronomy</i> , 2021, 11, 1330.	3.0	6
10	Thermal Simulation of a Screenhouse Proposed for Fruit and Vegetable Production in the Lowlands of Panama. <i>International Journal of Heat and Technology</i> , 2021, 39, 1097-1106.	0.6	0
11	Research on the Microclimate of Protected Agriculture Structures Using Numerical Simulation Tools: A Technical and Bibliometric Analysis as a Contribution to the Sustainability of Under-Cover Cropping in Tropical and Subtropical Countries. <i>Sustainability</i> , 2021, 13, 10433.	3.2	8
12	Influence of the Height in a Colombian Multi-Tunnel Greenhouse on Natural Ventilation and Thermal Behavior: Modeling Approach. <i>Sustainability</i> , 2021, 13, 13631.	3.2	8
13	3D Numerical Analysis of the Natural Ventilation Behavior in a Colombian Greenhouse Established in Warm Climate Conditions. <i>Sustainability</i> , 2020, 12, 8101.	3.2	19
14	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.	0.4	9
15	Experimental evaluation of the thermal and hygrometric behavior of a Colombian greenhouse used for the production of roses (<i>Rosa spp.</i>). <i>Ornamental Horticulture</i> , 2020, 26, 205-219.	1.0	9
16	Analysis of the microclimatic behavior of a greenhouse used to produce carnation (<i>Dianthus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	1.0	12
17	Simulation of the Thermal and Aerodynamic Behavior of an Established Screenhouse under Warm Tropical Climate Conditions: A Numerical Approach. <i>International Journal of Sustainable Development and Planning</i> , 2020, 15, 487-499.	0.7	11
18	Comportamiento microclimático diario, en temporada seca, de tres estructuras para agricultura protegida en el trópico seco. <i>Cuadernos De Investigación UNED</i> , 2020, 12, e2854.	0.1	2

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19	Study of natural ventilation in a Gothic multi-tunnel greenhouse designed to produce rose (Rosa spp.) in the high-Andean tropic. <i>Ornamental Horticulture</i> , 2019, 25, 133-143.	1.0	19
20	Numerical evaluation of passive strategies for nocturnal climate optimization in a greenhouse designed for rose production (Rosa spp.). <i>Ornamental Horticulture</i> , 2019, 25, 351-364.	1.0	14
21	Evaluaci3n del comportamiento poscosecha de uchuva provenientes de sistemas de producci3n convencionales y agroecol3gicos. <i>Revista Mexicana De Ciencias Agrícolas</i> , 2019, 10, 1273-1285.	0.2	3
22	Determinaci3n del comportamiento t3rmico de un invernadero espacial colombiano mediante din3mica de fluidos computacional. <i>Revista U D C A Actualidad & Divulgaci3n Cient3fica</i> , 2018, 21, .	0.2	5
23	Evaluaci3n agron3mica y fisiol3gica en clones de camote (Ipomoea batatas) sometidos a condiciones de estr3s h3drico. <i>Agronomy Mesoamerican</i> , 0, , 719-732.	0.2	0
24	Microclimatic behavior of a screen house proposed for horticultural production in low-altitude tropical climate conditions. <i>Comunicata Scientiae</i> , 0, 11, e3350.	0.4	9
25	Ventilaci3n natural en invernadero con mallas anti-insecto evaluadas con un modelo computacional de fluidos. <i>Agronomy Mesoamerican</i> , 0, , 709-728.	0.2	2
26	Injertos de naranja (Citrus sinensis) y mandarina (Citrus reticulata) en fase de producci3n. <i>Agronomy Mesoamerican</i> , 0, , 45264.	0.2	0