Edwin andres Villagran munar

List of Publications by Year
in descending order

26	178	1040056 9	1199594 12
papers	citations	h-index	g-index

32	32	32	29
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	3D Numerical Analysis of the Natural Ventilation Behavior in a Colombian Greenhouse Established in Warm Climate Conditions. Sustainability, 2020, 12, 8101.	3.2	19
2	Study of natural ventilation in a Gothic multi-tunnel greenhouse designed to produce rose (Rosa spp.) in the high-Andean tropic. Ornamental Horticulture, 2019, 25, 133-143.	1.0	19
3	Numerical evaluation of passive strategies for nocturnal climate optimization in a greenhouse designed for rose production (Rosa spp.). Ornamental Horticulture, 2019, 25, 351-364.	1.0	14
4	Thermo-Environmental Performance of Four Different Shapes of Solar Greenhouse Dryer with Free Convection Operating Principle and No Load on Product. Fluids, 2021, 6, 183.	1.7	12
5	Analysis of the microclimatic behavior of a greenhouse used to produce carnation (Dianthus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.0	12
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. Sustainability, 2021, 13, 4748.	3.2	11
7	Simulation of the Thermal and Aerodynamic Behavior of an Established Screenhouse under Warm Tropical Climate Conditions: A Numerical Approach. International Journal of Sustainable Development and Planning, 2020, 15, 487-499.	0.7	11
8	Microclimatic behavior of a screen house proposed for horticultural production in low-altitude tropical climate conditions. Comunicata Scientiae, 0, 11, e3350.	0.4	9
9	Study using a CFD approach of the efficiency of a roof ventilation closure system in a multi-tunnel greenhouse for nighttime microclimate optimization. Revista Ceres, 2020, 67, 345-356.	0.4	9
10	Experimental evaluation of the thermal and hygrometric behavior of a Colombian greenhouse used for the production of roses (Rosa spp.). Ornamental Horticulture, 2020, 26, 205-219.	1.0	9
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. Sustainability, 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. Sustainability, 2021, 13, 13631.	3.2	8
13	Implementation of ventilation towers in a greenhouse established in low altitude tropical climate conditions: numerical approach to the behavior of the natural ventilation. Revista Ceres, 2021, 68, 10-22.	0.4	6
14	Evaluation of the Microclimate in a Traditional Colombian Greenhouse Used for Cut Flower Production. Agronomy, 2021, 11, 1330.	3.0	6
15	DeterminaciÃ³n del comportamiento tÃ©rmico de un invernadero espacial colombiano mediante dinÃ¡mica de fluidos computacional. Revista U D C A Actualidad & DivulgaciÃ³n CientÃfica, 2018, 21, .	0.2	5
16	Valuation of Climate Performance of a Low-Tech Greenhouse in Costa Rica. Processes, 2022, 10, 693.	2.8	5
17	Two-Dimensional Numerical Study of the Microclimate Generated in Three Screenhouses for the Climatic Conditions of the Colombian Caribbean. International Journal of Heat and Technology, 2021, 39, 460-468.	0.6	4
18	EvaluaciÃ³n del comportamiento poscosecha de uchuva provenientes de sistemas de producciÃ³n convencionales y agroecolÃ³gicos. Revista Mexicana De Ciencias Agricolas, 2019, 10, 1273-1285.	0.2	3

#	Article	IF	Citations
19	VentilaciÃ³n natural en invernadero con mallas anti-insecto evaluadas con un modelo computacional de fluidos. Agronomy Mesoamerican, 0, , 709-728.	0.2	2
20	Comportamiento microclimÃ¡tico diurno, en temporada seca, de tres estructuras para agricultura protegida en el trÃ³pico seco. Cuadernos De InvestigaciÃ³n UNED, 2020, 12, e2854.	0.1	2
21	Microclimatic Evaluation of Five Types of Colombian Greenhouses Using Geostatistical Techniques. Sensors, 2022, 22, 3925.	3.8	2
22	Analysis of the Thermal Behavior of a New Structure of Protected Agriculture Established in a Region of Tropical Climate Conditions. Fluids, 2021, 6, 223.	1.7	1
23	Greenhouse Thermal Effectiveness to Produce Tomatoes Assessed by a Temperature-Based Index. Agronomy, 2022, 12, 1158.	3.0	1
24	Thermal Simulation of a Screenhouse Proposed for Fruit and Vegetable Production in the Lowlands of Panama. International Journal of Heat and Technology, 2021, 39, 1097-1106.	0.6	0
25	EvaluaciÃ³n agronÃ³mica y fisiolÃ³gica en clones de camote (Ipomoea batatas) sometidos a condiciones de estrÃ©s hÃdrico. Agronomy Mesoamerican, 0, , 719-732.	0.2	0
26	Injertos de naranja (Citrus sinensis) y mandarina (Citrus reticulata) en fase de producciÃ³n. Agronomy Mesoamerican, 0, , 45264.	0.2	0