

# Luis Miguel Contreras-Medina

## List of Publications by Year in descending order

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32  
papers

922  
citations

759233  
12  
h-index

580821  
25  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1314  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Scanners for DC to 20 kHz electrical metrology applications. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110297.	5.0	0
2	Machine Learning for Plant Stress Modeling: A Perspective towards Hormesis Management. Plants, 2022, 11, 970.	3.5	24
3	Polyphenol Content and Antioxidant Activity of Stevia and Peppermint as a Result of Organic and Conventional Fertilization. Journal of Food Quality, 2021, 2021, 1-6.	2.6	6
4	Electrical signals as an option of communication with plants: a review. Theoretical and Experimental Plant Physiology, 2021, 33, 125-139.	2.4	5
5	Effect of hydric stress-related acoustic emission on transcriptional and biochemical changes associated with a water deficit in Capsicum annuum L. Plant Physiology and Biochemistry, 2021, 165, 251-264.	5.8	5
6	Extracellular DNA: Insight of a Signal Molecule in Crop Protection. Biology, 2021, 10, 1022.	2.8	7
7	Estimation of Nitrogen Status in Plants. , 2021, , 163-181.		0
8	Roadmapping as a Driver for Knowledge Creation: A Proposal for Improving Sustainable Practices in the Coffee Supply Chain from Chiapas, Mexico, Using Emerging Technologies. Sustainability, 2020, 12, 5817.	3.2	9
9	Effects of hydric stress on vibrational frequency patterns of <i>Capsicum annuum</i> plants. Plant Signaling and Behavior, 2020, 15, 1770489.	2.4	3
10	A Simple Methodology to Develop Bifilar, Quadrifilar, and Octofilar Calculable Resistors. Applied Sciences (Switzerland), 2020, 10, 1595.	2.5	0
11	Facial Recognition for Drunk People Using Thermal Imaging. Mathematical Problems in Engineering, 2020, 2020, 1-9.	1.1	10
12	Changes in the Content of Phenolic Compounds and Biological Activity in Traditional Mexican Herbal Infusions with Different Drying Methods. Molecules, 2020, 25, 1601.	3.8	12
13	Effect of Extended Photoperiod with a Fixed Mixture of Light Wavelengths on Tomato Seedlings. Hortscience: A Publication of the American Society for Horticultural Science, 2020, 55, 1832-1839.	1.0	12
14	Sensors in Precision Agriculture for the Monitoring of Plant Development and Improvement of Food Production. Journal of Sensors, 2019, 2019, 1-2.	1.1	3
15	Influence of Elicitors and Eustressors on the Production of Plant Secondary Metabolites. , 2019, , 333-388.		21
16	Effects of acoustic waves on plants: An agricultural, ecological, molecular and biochemical perspective. Scientia Horticulturae, 2018, 235, 340-348.	3.6	24
17	Methylation profile and phenotypical changes in Capsicum annuum L. under water deficit and H<sup>2</sup>O<sup>2</sup> application. , 2017, , .		1
18	Low Computational-Cost Footprint Deformities Diagnosis Sensor through Angles, Dimensions Analysis and Image Processing Techniques. Sensors, 2017, 17, 2700.	3.8	6

#	ARTICLE	IF	CITATIONS
19	Elicitor Mixtures Significantly Increase Bioactive Compounds, Antioxidant Activity, and Quality Parameters in Sweet Bell Pepper. <i>Journal of Chemistry</i> , 2015, 2015, 1-8.	1.9	16
20	FPGA-based chlorophyll fluorescence measurement system with arbitrary light stimulation waveform using direct digital synthesis. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 75, 12-22.	5.0	9
21	An Analysis of Electrical Impedance Measurements Applied for Plant N Status Estimation in Lettuce ( <i>Lactuca sativa</i> ). <i>Sensors</i> , 2014, 14, 11492-11503.	3.8	44
22	FPGA-Based Smart Sensor for Drought Stress Detection in Tomato Plants Using Novel Physiological Variables and Discrete Wavelet Transform. <i>Sensors</i> , 2014, 14, 18650-18669.	3.8	6
23	Instrumentation and Control to Improve the Crop Yield. , 2014, , 363-400.		3
24	FPGA-based wireless smart sensor for real-time photosynthesis monitoring. <i>Computers and Electronics in Agriculture</i> , 2013, 95, 58-69.	7.7	25
25	Application of neural networks to estimate carotenoid content during ripening in tomato fruits ( <i>Solanum lycopersicum</i> ). <i>Scientia Horticulturae</i> , 2013, 162, 165-171.	3.6	17
26	A Review of Methods for Sensing the Nitrogen Status in Plants: Advantages, Disadvantages and Recent Advances. <i>Sensors</i> , 2013, 13, 10823-10843.	3.8	418
27	Smart Sensor for Real-Time Quantification of Common Symptoms Present in Unhealthy Plants. <i>Sensors</i> , 2012, 12, 784-805.	3.8	39
28	Instrumentation in Developing Chlorophyll Fluorescence Biosensing: A Review. <i>Sensors</i> , 2012, 12, 11853-11869.	3.8	49
29	Review. Advantages and disadvantages of control theories applied in greenhouse climate control systems. <i>Spanish Journal of Agricultural Research</i> , 2012, 10, 926.	0.6	35
30	FPGA-based Fused Smart Sensor for Real-Time Plant-Transpiration Dynamic Estimation. <i>Sensors</i> , 2010, 10, 8316-8331.	3.8	24
31	Novel Methodology for Online Half-Broken-Bar Detection on Induction Motors. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2009, 58, 1690-1698.	4.7	85
32	Eustress application through-controlled elicitation strategies as an effective agrobiotechnology tool for capsaicinoids increase: a review. <i>Phytochemistry Reviews</i> , 0, , 1.	6.5	4