Hector A Tinoco

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8117704/publications.pdf

Version: 2024-02-01

31	216	1163117 8	1058476 14
papers	citations	h-index	g-index

33	33	33	193
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physical-mechanical characterization of coffee fruits Coffea arabica L. var. Castillo classified by a colorimetry approach. Materialia, 2022, 21, 101330.	2.7	2
2	Experimental Assessment of the Elastic Properties of Exocarpâ€“Mesocarp and Beans of Coffea arabica L. var. Castillo Using Indentation Tests. Agriculture (Switzerland), 2022, 12, 502.	3.1	0
3	Ripening stage classification of Coffea arabica L. var. Castillo using a Machine learning approach with the electromechanical impedance measurements of a contact device. Materials Today: Proceedings, 2022, , .	1.8	2
4	Modeling of elastoplastic behavior of freestanding square thin films under bulge testing. Acta Mechanica, 2021, 232, 2715.	2.1	2
5	Ripeness stage characterization of coffee fruits (coffea arabica L. var. Castillo) applying chromaticity maps obtained from digital images. Materials Today: Proceedings, 2021, 44, 1271-1278.	1.8	8
6	Vibrations Analysis of the Fruit-Pedicel System of Coffea arabica var. Castillo Using Timeâ€“Frequency and Wavelets Techniques. Applied Sciences (Switzerland), 2021, 11, 9346.	2.5	5
7	Electromechanical impedance measurements for bone health monitoring through teeth used as probes of a Piezo-device. Biomedical Physics and Engineering Express, 2021, 7, 015002.	1.2	0
8	Bio-structural monitoring of bone mineral alterations through electromechanical impedance measurements of a Piezo-device joined to a tooth. Biomedical Engineering Letters, 2020, 10, 603-617.	4.1	2
9	Geometric Modeling of the Valencia Orange (Citrus sinensis L.) by Applying BÃ©zier Curves and an Image-Based CAD Approach. Agriculture (Switzerland), 2020, 10, 313.	3.1	1
10	Vibration Shapes Identification Applying Eulerian Video Magnification on Coffee Fruits to Study the Selective Harvesting. , 2020, , .		3
11	Tolerance Analysis of Planar Mechanisms Based on a Residual Approach: A Complementary Method to DLM. Mathematical Problems in Engineering, 2019, 2019, 1-13.	1.1	0
12	Electrical Performance of a Piezo-inductive Device for Energy Harvesting with Low-Frequency Vibrations. Actuators, 2019, 8, 55.	2.3	3
13	Determination of elastic parameters of Si3N4 thin films by means of a numerical approach and bulge tests. Thin Solid Films, 2019, 672, 66-74.	1.8	8
14	Evaluation of a Piezo-Actuated Sensor for Monitoring Elastic Variations of Its Support with Impedance-Based Measurements. Sensors, 2019, 19, 184.	3.8	16
15	Mechanical and geometrical characterization of fruits Coffea arabica L. var. Colombia to simulate the ripening process by finite element analysis. Engineering in Agriculture, Environment and Food, 2019, 12, 367-377.	0.5	7
16	Modeling of piezoelectric sensors adhesively bonded on trusses using a mathematical programming approach. Structural and Multidisciplinary Optimization, 2018, 58, 903-918.	3.5	0
17	Harmonic stress analysis on Coffea arÃ¡bica L. var. Colombia fruits in order to stimulate the selective detachment: A finite element analysis. Simulation, 2018, 94, 163-174.	1.8	10
18	Finite Element Analysis of Coffea arabica L. var. Colombia Fruits for Selective Detachment Using Forced Vibrations. Vibration, 2018, 1, 207-219.	1.9	3

#	Article	IF	Citations
19	Modeling Elastic and Geometric Properties ofCoffea arabicaL. var.ColombiaFruits by an Experimental-numerical Approach. International Journal of Fruit Science, 2017, 17, 159-174.	2.4	13
20	Identification of stiffness variations in supporting substances of a human canine tooth with a bracket-beam-piezoelectric sensor and its electromechanical impedance. Future Dental Journal, 2017, 3, 15-21.	0.1	4
21	Numerical limit analysis of reinforced concrete slabs using a dual approach and conic programming. Structural and Multidisciplinary Optimization, 2017, 55, 1407-1423.	3.5	3
22	DeterminaciÃ³n del MÃ©todo Ã“ptimo de Operaciones de Ensamble Bimanual con el Algoritmo de Dijkstra (o de Caminos MÃnimos). Informacion Tecnologica (discontinued), 2017, 28, 125-134.	0.3	2
23	Beam design for voice coil motors used for energy harvesting purpose with low frequency vibrations: A finite element analysis. International Journal of Modeling, Simulation, and Scientific Computing, 2016, 07, 1640001.	1.4	2
24	Damage detection in plates using the electromechanical impedance technique based on decoupled measurements of piezoelectric transducers. Journal of Sound and Vibration, 2016, 384, 146-162.	3.9	18
25	Damage Identification in Active Plates with Indices Based on Gaussian Confidence Ellipses Obtained of the Electromechanical Admittance. Journal of Nondestructive Evaluation, 2015, 34, 1.	2.4	18
26	An automated time and hand motion analysis based on planar motion capture extended to a virtual environment. Journal of Industrial Engineering International, 2015, 11, 391-402.	1.8	8
27	Finite element modal analysis of the fruit-peduncle of Coffea arabica L. var . Colombia estimating its geometrical and mechanical properties. Computers and Electronics in Agriculture, 2014, 108, 17-27.	7.7	54
28	ANÃLISIS DEL PROCESO DE DESHIDRATACIÃ“N DE CACAO PARA LA DISMINUCIÃ“N DEL TIEMPO DE SECADO (ANALYSIS OF THE COCOA DEHYDRATION PROCESS FOR REDUCING DRYING TIME). Revista EIA, 2013, 7, 53.	0.1	0
29	Voltage relations for debonding detection of piezoelectric sensors with segmented electrode. Mechanical Systems and Signal Processing, 2012, 31, 258-267.	8.0	18
30	Fracture Toughness Evaluation of a Cracked Au Thin Film by Applying a Finite Element Analysis and Bulge Test. Key Engineering Materials, 0, 827, 196-202.	0.4	2
31	Identification of Bone Density Changes Applying Impedance Spectroscopy with a Piezo-Device Coupled to a Human Tooth. Journal of Biomimetics, Biomaterials and Biomedical Engineering, 0, 52, 1-10.	0.5	0