Jose Delpiano

List of Publications by Year
in descending order

21 papers	292 citations	1163117 8 h-index	996975 15 g-index
21 all docs	21 docs citations	21 times ranked	300 citing authors

#	Article	IF	Citations
1	Comparison of convolutional neural networks in fruit detection and counting: A comprehensive evaluation. Computers and Electronics in Agriculture, 2020, 173, 105348.	7.7	98
2	Performance of optical flow techniques for motion analysis of fluorescent point signals in confocal microscopy. Machine Vision and Applications, 2012, 23, 675-689.	2.7	38
3	Implementation of Particle Swarm Optimization (PSO) Algorithm for Tuning of Power System Stabilizers in Multimachine Electric Power Systems. Energies, 2020, 13, 2093.	3.1	33
4	The role of moisture transport mechanisms on the performance of lightweight aggregates in internal curing. Construction and Building Materials, 2021, 268, 121191.	7.2	18
5	Automated detection of fluorescent cells in inâ€resin fluorescence sections for integrated light and electron microscopy. Journal of Microscopy, 2018, 271, 109-119.	1.8	14
6	Self-modeling in humanoid soccer robots. Robotics and Autonomous Systems, 2009, 57, 819-827.	5.1	13
7	Tuning of Power System Stabilizers using Multiobjective Optimization NSGA II. IEEE Latin America Transactions, 2015, 13, 2653-2660.	1.6	11
8	Mechanistic Description of Convective Gasâ€“Liquid Mass Transfer in Biotrickling Filters Using CFD Modeling. Environmental Science & Technology, 2020, 54, 419-426.	10.0	11
9	An Implementation of Combined Local-Global Optical Flow. Image Processing on Line, 0, 5, 139-158.	0.0	9
10	Tuning of Controllers in Power Systems Using a Heuristic-Stochastic Approach. Energies, 2019, 12, 2325.	3.1	8
11	Computational tomography and CFD simulation of a biofilter treating a toluene, formaldehyde and benzo[Î±]pyrene vapor mixture. Chemosphere, 2020, 240, 124924.	8.2	8
12	Deep learning for image-based classification of OAM modes in laser beams propagating through convective turbulence. , 2019, , .		8
13	Combining iterative heuristic optimization and uncertainty analysis methods for robust parameter design. Engineering Optimization, 2006, 38, 821-831.	2.6	6
14	Towards dense motion estimation in light and electron microscopy. , 2011, , .		6
15	On the optical flow model selection through metaheuristics. Eurasip Journal on Image and Video Processing, 2015, 2015, .	2.6	3
16	Multi-objective optimization for parameter selection and characterization of optical flow methods. Applied Soft Computing Journal, 2016, 46, 1067-1078.	7.2	2
17	A Dynamic Stochastic Hybrid Model to Represent Significant Wave Height and Wave Period for Marine Energy Representation. Energies, 2019, 12, 887.	3.1	2
18	An Analytical Model for Small Signal Stability Analysis in Unbalanced Electrical Power Systems. Applied Sciences (Switzerland), 2020, 10, 8855.	2.5	2

#	Article	IF	Citations
19	Semi-Autonomous Neural Networks Differential Equation Solver. , 2006, , .		1
20	Evolutionary Optimization Applied for Fine-Tuning Parameter Estimation in Optical Flow-Based Environments. , 2014, , .		1
21	Semi-Autonomous Neural Networks Differential Equation Solver. , 0, , .		0