Juan Manuel GarcÃ-a-Chamizo

List of Publications by Year
in descending order

63 papers	740 citations	840119 11 h-index	552369 26 g-index
66 all docs	66 docs citations	66 times ranked	859 citing authors

#	Article	IF	Citations
1	Smart Management Consumption in Renewable Energy Fed Ecosystems. Sensors, 2019, 19, 2967.	2.1	7
2	Smart Environments Design on Industrial Automated Greenhouses. Proceedings (mdpi), 2019, 31, 36.	0.2	4
3	Precision Agriculture Design Method Using a Distributed Computing Architecture on Internet of Things Context. Sensors, 2018, 18, 1731.	2.1	124
4	Mathematical model and implementation of rational processing. Journal of Computational and Applied Mathematics, 2017, 309, 575-586.	1.1	7
5	A distributed bug analyzer based on user-interaction features for mobile apps. Journal of Ambient Intelligence and Humanized Computing, 2017, 8, 579-591.	3.3	1
6	Interpreting human activity from electrical consumption data using reconfigurable hardware and hidden Markov models. Journal of Ambient Intelligence and Humanized Computing, 2017, 8, 469-483.	3.3	25
7	Classification of Pathologies Using a Vision Based Feature Extraction. Lecture Notes in Computer Science, 2017, , 265-274.	1.0	10
8	Special issue on â€œRecent Advancements in Ubiquitous Computingâ€• Journal of Ambient Intelligence and Humanized Computing, 2017, 8, 467-468.	3.3	3
9	A Novel Active Imaging Model to Design Visual Systems: A Case of Inspection System for Specular Surfaces. Sensors, 2017, 17, 1466.	2.1	4
10	Electromagnetic Differential Measuring Method: Application in Microstrip Sensors Developing. Sensors, 2017, 17, 1650.	2.1	47
11	Real time motion estimation using a neural architecture implemented on GPUs. Journal of Real-Time Image Processing, 2016, 11, 731-749.	2.2	10
12	Developing Ubiquitous Sensor Network Platform Using Internet of Things: Application in Precision Agriculture. Sensors, 2016, 16, 1141.	2.1	164
13	Developing a Context Aware System for Energy Management in Urban Areas. Lecture Notes in Computer Science, 2016, , 326-331.	1.0	0
14	A vision based proposal for classification of normal and abnormal gait using RGB camera. Journal of Biomedical Informatics, 2016, 63, 82-89.	2.5	50
15	Electromagnetic Multi-frequency Model and Differential Measuring in Remote Sensing Applications. Lecture Notes in Computer Science, 2016, , 182-192.	1.0	0
16	A Computational Approach of the French Flag Model to Connect Growth and Specification in Developmental Biology. Cognitive Computation, 2016, 8, 1057-1063.	3.6	2
17	Real Time Gait Analysis Using RGB Camera. Lecture Notes in Computer Science, 2016, , 111-120.	1.0	1
18	Vision Based Gait Analysis for Frontal View Gait Sequences Using RGB Camera. Lecture Notes in Computer Science, 2016, , 26-37.	1.0	6

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19	Ubiquitous Computing and Ambient Intelligence. Sensing, Processing, and Using Environmental Information. Lecture Notes in Computer Science, 2015, , .	1.0	1
20	A Dual Approach for Quantitative Gait Analysis Based on Vision and Wearable Pressure Systems. Lecture Notes in Computer Science, 2015, , 206-218.	1.0	1
21	Vision Based Extraction of Dynamic Gait Features Focused on Feet Movement Using RGB Camera. Lecture Notes in Computer Science, 2015, , 155-166.	1.0	11
22	Parallel Computational Intelligence-Based Multi-Camera Surveillance System. Journal of Sensor and Actuator Networks, 2014, 3, 95-112.	2.3	6
23	Distributed Power Management System with Dynamic Load Management Based on Multi-agent System for Smart Grid. Lecture Notes in Computer Science, 2014, , 349-356.	1.0	0
24	3D colour object reconstruction based on Growing Neural Gas. , 2014, , .		8
25	3D Hand Pose Estimation with Neural Networks. Lecture Notes in Computer Science, 2013, , 504-512.	1.0	0
26	Mathematical modelling of the lower urinary tract. Computer Methods and Programs in Biomedicine, 2013, 109, 323-338.	2.6	10
27	Resilience modeling by means of a set of recursive functions. , 2013, , .		1
28	3D gesture recognition with growing neural gas. , 2013, , .		0
29	A Vision System for Intelligent Monitoring of Activities of Daily Living at Home. Lecture Notes in Computer Science, 2013, , 96-99.	1.0	0
30	Computer Vision Applications of Self-Organizing Neural Networks. , 2013, , 129-138.		0
31	Autonomous Growing Neural Gas for applications with time constraint: Optimal parameter estimation. Neural Networks, 2012, 32, 196-208.	3.3	25
32	Multi-GPU based camera network system keeps privacy using growing neural gas. , 2012, , .		0
33	Distributed Optimization of Finite Resource Planning for Asincronous and Non-linear Systems: Application to Power Management. Advances in Intelligent and Soft Computing, 2012, , 211-216.	0.2	1
34	Power Management Strategies based on Multi-Agent Systems for Portable Devices Equipped with Renewable Power Sources. , 2012, , 283-302.		1
35	Surveillance and humanâ€“computer interaction applications of self-growing models. Applied Soft Computing Journal, 2011, 11, 4413-4431.	4.1	21
36	Modelling of urological dysfunctions with neurological etiology by means of their centres involved. Applied Soft Computing Journal, 2011, 11, 4448-4457.	4.1	9

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37	A computational framework based on behavioural modelling: Application to the matching of electrocardiogram (ECG) recordings. Mathematical and Computer Modelling, 2011, 54, 1644-1649.	2.0	3
38	Fast Autonomous Growing Neural Gas. , 2011, , .		5
39	Fast Image Representation with GPU-Based Growing Neural Gas. Lecture Notes in Computer Science, 2011, , 58-65.	1.0	6
40	Video and Image Processing with Self-Organizing Neural Networks. Lecture Notes in Computer Science, 2011, , 98-104.	1.0	4
41	GNG based surveillance system. , 2010, , .		2
42	Learning method based on collaborative assessment performed by the students. , 2009, , .		3
43	Improvement of the Discrete Cosine Transform calculation by means of a recursive method. Mathematical and Computer Modelling, 2009, 50, 750-764.	2.0	9
44	Application of artificial neural networks in the diagnosis of urological dysfunctions. Expert Systems With Applications, 2009, 36, 5754-5760.	4.4	56
45	Visual Surveillance of Objects Motion Using GNG. Lecture Notes in Computer Science, 2009, , 244-247.	1.0	1
46	Partial product reduction by using look-up tables for MÃ—N multiplier. The Integration VLSI Journal, 2008, 41, 557-571.	1.3	10
47	A robust model of the neuronal regulator of the lower urinary tract based on artificial neural networks. Neurocomputing, 2008, 71, 743-754.	3.5	14
48	Hybrid GNG Architecture Learns Features in Images. Lecture Notes in Computer Science, 2008, , 451-457.	1.0	1
49	Table-based Recursive Method for Function Evaluation. AIP Conference Proceedings, 2007, , .	0.3	0
50	Calculation Scheme Based on a Weighted Primitive: Application to Image Processing Transforms. Eurasip Journal on Advances in Signal Processing, 2007, 2007, .	1.0	3
51	Automatic generation of image acquisition conditions for the quality control of specular surfaces. , 2007, , .		2
52	Image Compression Using Growing Neural Gas. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	9
53	Simulation of Automated Visual Inspection Systems for Specular Surfaces Quality Control. Lecture Notes in Computer Science, 2007, , 749-762.	1.0	2
54	Learning Topologic Maps with Growing Neural Gas. Lecture Notes in Computer Science, 2007, , 469-476.	1.0	2

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55	Mobile agent system framework suitable for scalable networks. Kybernetes, 2006, 35, 688-699.	1.2	4
56	FPGA-based tool path computation. Computers in Industry, 2006, 57, 103-111.	5.7	14
57	Real-time arithmetic unit. Real-Time Systems, 2006, 34, 53-79.	1.1	13
58	Visual Input Amplification for Inspecting Specular Surfaces. , 2006, , .		1
59	Robust Modelling of Biological Neuroregulators. , 2005, 2005, 2981-4.		3
60	Use of mathematical morphology in realâ€time path planning. Kybernetes, 2002, 31, 115-123.	1.2	9
61	A neural network system that controls and plans paths for a robot. , 0, , .		0
62	An incidence angle detection system for automatic assembly tools using the RHI neural network model. , 0, , .		0
63	Learning and Comparing Trajectories with a GNG-Based Architecture. Advances in Soft Computing, 0, , 644-652.	0.4	0