Esteban JosÃ© Palomo

List of Publications by Year
in descending order

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43	375	687363	839539
papers	citations	13	18
		h-index	g-index

46	46	46	437
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessment of geometric features for individual identification and verification in biometric hand systems. Expert Systems With Applications, 2013, 40, 3580-3594.	7.6	47
2	Application of growing hierarchical SOM for visualisation of network forensics traffic data. Neural Networks, 2012, 32, 275-284.	5.9	27
3	Hierarchical Color Quantization Based on Self-organization. Journal of Mathematical Imaging and Vision, 2014, 49, 1-19.	1.3	22
4	The Growing Hierarchical Neural Gas Self-Organizing Neural Network. IEEE Transactions on Neural Networks and Learning Systems, 2016, 28, 1-10.	11.3	22
5	Deep learning-based video surveillance system managed by low cost hardware and panoramic cameras. Integrated Computer-Aided Engineering, 2020, 27, 373-387.	4.6	22
6	A self-organizing map to improve vehicle detection in flow monitoring systems. Soft Computing, 2015, 19, 2499-2509.	3.6	20
7	Learning Topologies with the Growing Neural Forest. International Journal of Neural Systems, 2016, 26, 1650019.	5.2	20
8	Smart motion detection sensor based on video processing using self-organizing maps. Expert Systems With Applications, 2016, 64, 476-489.	7.6	17
9	The Forbidden Region Self-Organizing Map Neural Network. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 201-211.	11.3	15
10	Growing Hierarchical Probabilistic Self-Organizing Graphs. IEEE Transactions on Neural Networks, 2011, 22, 997-1008.	4.2	14
11	A Competitive Neural Network for Multiple Object Tracking in Video Sequence Analysis. Neural Processing Letters, 2013, 37, 47-67.	3.2	14
12	BREGMAN DIVERGENCES FOR GROWING HIERARCHICAL SELF-ORGANIZING NETWORKS. International Journal of Neural Systems, 2014, 24, 1450016.	5.2	14
13	Continuous chemical classification in uncontrolled environments with sliding windows. Chemometrics and Intelligent Laboratory Systems, 2016, 158, 117-129.	3.5	13
14	Unsupervised learning by cluster quality optimization. Information Sciences, 2018, 436-437, 31-55.	6.9	12
15	A New GHSOM Model Applied to Network Security. Lecture Notes in Computer Science, 2008, , 680-689.	1.3	9
16	The effect of noise on foreground detection algorithms. Artificial Intelligence Review, 2018, 49, 407-438.	15.7	9
17	Selecting the Color Space for Self-Organizing Map Based Foreground Detection in Video. Neural Processing Letters, 2016, 43, 345-361.	3.2	8
18	Object recognition and inspection in difficult industrial environments. , 2006, , .		7

#	Article	IF	Citations
19	Image Compression and Video Segmentation Using Hierarchical Self-Organization. Neural Processing Letters, 2013, 37, 69-87.	3.2	7
20	Motion detection with low cost hardware for PTZ cameras. Integrated Computer-Aided Engineering, 2018, 26, 21-36.	4.6	7
21	Color space selection for self-organizing map based foreground detection in video sequences. , 2014, , .		6
22	Robust self-organization with M-estimators. Neurocomputing, 2015, 151, 408-423.	5.9	6
23	Image Hierarchical Segmentation Based on a GHSOM. Lecture Notes in Computer Science, 2009, , 743-750.	1.3	5
24	Foreground object detection for video surveillance by fuzzy logic based estimation of pixel illumination states. Logic Journal of the IGPL, 2018, , .	1.5	5
25	Use of an ANN to Value MTF and Melatonin Effect on ADHD Affected Children. IEEE Access, 2019, 7, 127254-127264.	4.2	5
26	A New Self-Organizing Neural Gas Model based on Bregman Divergences. , 2018, , .		4
27	Dynamic tree topology learning by self-organization. Neural Computing and Applications, 2017, 28, 911-924.	5.6	3
28	Deep learning-based anomalous object detection system powered by microcontroller for PTZ cameras. , 2018, , .		3
29	Extended abstract: A color quantization approach based on the Growing Neural Forest. , 2016, , .		2
30	Frame Size Reduction for Foreground Detection in Video Sequences. Lecture Notes in Computer Science, 2016, , 3-12.	1.3	2
31	Motion Detection by Microcontroller for Panning Cameras. Lecture Notes in Computer Science, 2017, , 279-288.	1.3	2
32	A Self-Organized Multiagent System for Intrusion Detection. Lecture Notes in Computer Science, 2009, , 84-94.	1.3	1
33	Hierarchical Color Quantization with a Neural Gas Model Based on Bregman Divergences. Advances in Intelligent Systems and Computing, 2022, , 327-337.	0.6	1
34	Visualization of Complex Datasets with the Self-Organizing Spanning Tree. Lecture Notes in Computer Science, 2015, , 209-217.	1.3	1
35	Unsupervised Color Quantization with the Growing Neural Forest. Lecture Notes in Computer Science, 2017, , 306-316.	1.3	1
36	THE ROLE OF THE LATTICE DIMENSIONALITY IN THE SELF-ORGANIZING MAP. Neural Network World, 2018, 28, 57-85.	0.8	1

#	Article	IF	Citations
37	Exploratory Data Analysis and Foreground Detection with the Growing Hierarchical Neural Forest. Neural Processing Letters, 2020, 52, 2537-2563.	3.2	0
38	Image Clustering Using a Growing Neural Gas with Forbidden Regions. , 2020, , .		0
39	A Neural Recognition System for Manufactured Objects. Lecture Notes in Computer Science, 2009, , 1274-1281.	1.3	0
40	Spam Detection Based on a Hierarchical Self-Organizing Map. Lecture Notes in Computer Science, 2009, , 30-37.	1.3	0
41	A Self-organizing Map for Traffic Flow Monitoring. Lecture Notes in Computer Science, 2013, , 458-466.	1.3	0
42	Hierarchical Self-Organizing Networks for Multispectral Data Visualization. Lecture Notes in Computer Science, 2013, , 449-457.	1.3	0
43	Deep Learning-Based Security System Powered by Low Cost Hardware and Panoramic Cameras. Lecture Notes in Computer Science, 2019, , 317-326.	1.3	0