Marcos Eduardo Valle

List of Publications by Year
in descending order

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58 papers	796 citations	759055 12 h-index	552653 26 g-index
59 all docs	59 docs citations	59 times ranked	334 citing authors

#	Article	IF	Citations
1	Gray-scale morphological associative memories. IEEE Transactions on Neural Networks, 2006, 17, 559-570.	4.8	106
2	Implicative Fuzzy Associative Memories. IEEE Transactions on Fuzzy Systems, 2006, 14, 793-807.	6.5	80
3	Classification of Fuzzy Mathematical Morphologies Based onÂConcepts of Inclusion Measure and Duality. Journal of Mathematical Imaging and Vision, 2008, 32, 139-159.	0.8	67
4	A general framework for fuzzy morphological associative memories. Fuzzy Sets and Systems, 2008, 159, 747-768.	1.6	66
5	Complex-Valued Recurrent Correlation Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1600-1612.	7.2	47
6	On the Dynamics of Hopfield Neural Networks on Unit Quaternions. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2464-2471.	7.2	42
7	Storage and recall capabilities of fuzzy morphological associative memories with adjunction-based learning. Neural Networks, 2011, 24, 75-90.	3.3	40
8	A Class of Sparsely Connected Autoassociative Morphological Memories for Large Color Images. IEEE Transactions on Neural Networks, 2009, 20, 1045-1050.	4.8	29
9	A broad class of discrete-time hypercomplex-valued Hopfield neural networks. Neural Networks, 2020, 122, 54-67.	3.3	27
10	Morphological and Certain Fuzzy Morphological Associative Memories for Classification and Prediction. , 2007, , 149-171.		21
11	Quantale-based autoassociative memories with an application to the storage of color images. Pattern Recognition Letters, 2013, 34, 1589-1601.	2.6	19
12	A Novel Continuous-Valued Quaternionic Hopfield Neural Network. , 2014, , .		17
13	Fuzzy Associative Memories and Their Relationship to Mathematical Morphology. , 0, , 733-753.		15
14	A wildfire warning system applied to the state of Acre in the Brazilian Amazon. Applied Soft Computing Journal, 2020, 89, 106075.	4.1	14
15	Sparsely Connected Autoassociative Lattice Memories with an Application for the Reconstruction of Color Images. Journal of Mathematical Imaging and Vision, 2012, 44, 195-222.	0.8	12
16	A Robust Subspace Projection Autoassociative Memory Based on the M-Estimation Method. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1372-1377.	7.2	12
17	Application of selfâ€organising maps towards segmentation of soybean samples by determination of inorganic compounds content. Journal of the Science of Food and Agriculture, 2016, 96, 306-310.	1.7	12
18	Reduced Dilation-Erosion Perceptron for Binary Classification. Mathematics, 2020, 8, 512.	1.1	12

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19	Fuzzy Associative Memories Based on Subsethood and Similarity Measures with Applications to Speaker Identification. Lecture Notes in Computer Science, 2012, , 479-490.	1.0	12
20	Fuzzy Associative Memories from the Perspective of Mathematical Morphology. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	11
21	Theoretical and computational aspects of quaternionic multivalued Hopfield neural networks. , 2016, , .		10
22	Mathematical Morphology on the Spherical CIELab Quantale with an Application in Color Image Boundary Detection. Journal of Mathematical Imaging and Vision, 2017, 57, 183-201.	0.8	10
23	Max-plus and min-plus projection autoassociative morphological memories and their compositions for pattern classification. Neural Networks, 2018, 100, 84-94.	3.3	10
24	Introduction to implicative fuzzy associative memories. , 0, , .		9
25	Hypercomplex-valued recurrent correlation neural networks. Neurocomputing, 2021, 432, 111-123.	3.5	9
26	Recall of Patterns Using Morphological and Certain Fuzzy Morphological Associative Memories with Applications in Classification and Prediction. , 2006, , .		8
27	Approaches to Multivalued Mathematical Morphology Based on Uncertain Reduced Orderings. Lecture Notes in Computer Science, 2019, , 228-240.	1.0	8
28	Permutation-based finite implicative fuzzy associative memories. Information Sciences, 2010, 180, 4136-4152.	4.0	7
29	A general framework for hypercomplex-valued extreme learning machines. Journal of Computational Mathematics and Data Science, 2022, 3, 100032.	1.3	7
30	A Brief Account of the Relations between Gray-Scale Mathematical Morphologies. , 2005, , .		5
31	Sparsely connected autoassociative fuzzy implicative memories and their application for the reconstruction of large gray-scale images. Neurocomputing, 2010, 74, 343-353.	3.5	5
32	Continuous-Valued Quaternionic Hopfield Neural Network for Image Retrieval: A Color Space Study. , 2017, , .		5
33	Color Mathematical Morphology Using a Fuzzy Color-Based Supervised Ordering. Communications in Computer and Information Science, 2018, , 278-289.	0.4	5
34	A Brief Tutorial on Quadratic Stability of Linear Parameter-Varying Model for Biomathematical Systems. , 2019, , .		4
35	Quaternion-Valued Convolutional Neural Network Applied for Acute Lymphoblastic Leukemia Diagnosis. Lecture Notes in Computer Science, 2021, , 280-293.	1.0	4
36	Some experimental results on sparsely connected autoassociative morphological memories for the reconstruction of color images corrupted by either impulsive or Gaussian noise. , 2011, , .		3

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37	An introduction to the max-plus projection autoassociative morphological memory and some of its variations. , 2014, , .		3
38	Quaternion-valued recurrent projection neural networks on unit quaternions. Theoretical Computer Science, 2020, 843, 136-152.	0.5	3
39	Linear Dilation-Erosion Perceptron Trained Using a Convex-Concave Procedure. Advances in Intelligent Systems and Computing, 2021, , 245-255.	0.5	3
40	Quaternionic Recurrent Correlation Neural Networks. , 2018, , .		2
41	Extreme Learning Machines on Cayley-Dickson Algebra Applied for Color Image Auto-Encoding. , 2020, , .		2
42	Measuring the Irregularity of Vector-Valued Morphological Operators Using Wasserstein Metric. Lecture Notes in Computer Science, 2021, , 512-524.	1.0	2
43	Continuous-Valued Octonionic Hopfield Neural Network. , 0, , .		2
44	Fuzzy morphological associative memories based on uninorms. , 2008, , .		1
45	A New Class of Implicative Fuzzy Associative Memories for the Reconstruction of Gray-Scale Images Corrupted by Salt and Pepper Noise. , 2010, , .		1
46	An introduction to complex-valued recurrent correlation neural networks. , 2014, , .		1
47	Fuzzy Kernel Associative Memories with Application in Classification. Communications in Computer and Information Science, 2018, , 290-301.	0.4	1
48	An Introduction to Quaternion-Valued Recurrent Projection Neural Networks. , 2019, , .		1
49	Elementary Morphological Operations on the Spherical CIELab Quantale. Lecture Notes in Computer Science, 2015, , 375-386.	1.0	1
50	Generalized Recurrent Exponential Fuzzy Associative Memories Based on Similarity Measures. , 0, , .		1
51	Generalized Exponential Bidirectional Fuzzy Associative Memory with Fuzzy Cardinality-Based Similarity Measures Applied to Face Recognition. TeMa, 2018, 19, 221.	0.1	1
52	Ensemble of Binary Classifiers Combined Using Recurrent Correlation Associative Memories. Lecture Notes in Computer Science, 2020, , 442-455.	1.0	1
53	On subspace projection autoassociative memories based on linear support vector regression. , 2015, , .		0
54	A Fast and Robust Max-C Projection Fuzzy Autoassociative Memory with Application for Face Recognition. , 2017, , .		0

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55	Uma breve comparaÃ§Ã£o de modelos de memÃ³rias associativas fuzzy em problemas de guiagem autÃ´noma. Semina: CiÃªncias Exatas E TecnolÃ³gicas, 2011, 32, 151-166.	0.3	0
56	Spherical CIELab QAMs: Associative Memories Based on the CIELab System and Quantales for the Storage of Color Images. Lecture Notes in Computer Science, 2012, , 467-478.	1.0	0
57	Characterization and Statistics of Distance-Based Elementary Morphological Operators. Lecture Notes in Computer Science, 2019, , 362-374.	1.0	0
58	Irregularity Index for Vector-Valued Morphological Operators. Journal of Mathematical Imaging and Vision, 0, , 1.	0.8	0