

# Roberto Marcondes Cesar Junior

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8474511/publications.pdf>

Version: 2024-02-01

88  
papers

2,941  
citations

279798

23  
h-index

182427

51  
g-index

96  
all docs

96  
docs citations

96  
times ranked

2690  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comprehensive Benchmark Analysis of Single Image Deraining: Current Challenges and Future Perspectives. <i>International Journal of Computer Vision</i> , 2021, 129, 1301-1322.	15.6	37
2	Morphological Neuron Classification Based on Dendritic Tree Hierarchy. <i>Neuroinformatics</i> , 2019, 17, 147-161.	2.8	7
3	Scalable object instance recognition based on keygraph matching. <i>Pattern Recognition Letters</i> , 2018, 114, 53-62.	4.2	0
4	Exploring structure for long-term tracking of multiple objects in sports videos. <i>Computer Vision and Image Understanding</i> , 2017, 159, 89-104.	4.7	20
5	Two-Dimensional Wavelet Analysis of Supraorbital Margins of the Human Skull for Characterizing Sexual Dimorphism. <i>IEEE Transactions on Information Forensics and Security</i> , 2016, 11, 1542-1548.	6.9	11
6	A two-level Markov random field for road network extraction and its application with optical, SAR, and multitemporal data. <i>International Journal of Remote Sensing</i> , 2016, 37, 3584-3610.	2.9	20
7	Using Text Similarity to Detect Social Interactions not Captured by Formal Reply Mechanisms. , ,		2
8	Visual rhythm for particle analysis in sampleâ€inâ€flow systems: Application for continuous plankton monitoring. <i>Limnology and Oceanography: Methods</i> , 2015, 13, 687-696.	2.0	1
9	Data-intensive analysis of HIV mutations. <i>BMC Bioinformatics</i> , 2015, 16, 35.	2.6	1
10	Brazilian bibliometric coauthorship networks. <i>Journal of the Association for Information Science and Technology</i> , 2014, 65, 1424-1445.	2.9	59
11	A feature selection technique for inference of graphs from their known topological properties: Revealing scale-free gene regulatory networks. <i>Information Sciences</i> , 2014, 272, 1-15.	6.9	44
12	Entropic Biological Score: a cell cycle investigation for GRNs inference. <i>Gene</i> , 2014, 541, 129-137.	2.2	17
13	A methodology to infer gene networks from spatial patterns of expression â€“ an application to fluorescence in situ hybridization images. <i>Molecular BioSystems</i> , 2013, 9, 1926.	2.9	0
14	Signal propagation in Bayesian networks and its relationship with intrinsically multivariate predictive variables. <i>Information Sciences</i> , 2013, 225, 18-34.	6.9	8
15	Visual rhythm-based plankton detection method for ballast water quality assessment. , ,		3
16	Towards a quantitative academic internationalization assessment of Brazilian research groups. , ,		2
17	Data-oriented research for bioresource utilization: A case study to investigate water uptake in cellulose using Principal Components. , ,		1
18	Assessing the gain of biological data integration in gene networks inference. <i>BMC Genomics</i> , 2012, 13, S7.	2.8	7

#	ARTICLE	IF	CITATIONS
19	Modeling and measuring the spatial relation "along" Regions, contours and fuzzy sets. Pattern Recognition, 2012, 45, 757-766.	8.1	16
20	Interactive image segmentation by matching attributed relational graphs. Pattern Recognition, 2012, 45, 1159-1179.	8.1	49
21	Wi-Fi and keygraphs for localization with cell phones. , 2011, , .		3
22	Gene Expression Complex Networks: Synthesis, Identification, and Analysis. Journal of Computational Biology, 2011, 18, 1353-1367.	1.6	37
23	3D facial expression analysis by using 2D AND 3D wavelet transforms. , 2011, , .		6
24	Inference of gene regulatory networks from time series by Tsallis entropy. BMC Systems Biology, 2011, 5, 61.	3.0	33
25	Structural matching of 2D electrophoresis gels using deformed graphs. Pattern Recognition Letters, 2011, 32, 3-11.	4.2	18
26	A hierarchical Markov random field for road network extraction and its application with optical and SAR data. , 2011, , .		9
27	Image Segmentation Using Component Tree and Normalized Cut. , 2010, , .		9
28	SFFS-MR: A Floating Search Strategy for GRNs Inference. Lecture Notes in Computer Science, 2010, , 407-418.	1.3	10
29	A novel polar-based human face recognition computational model. Brazilian Journal of Medical and Biological Research, 2009, 42, 637-646.	1.5	1
30	Comparative study of GRNS inference methods based on feature selection by mutual information. , 2009, , .		5
31	scriptLattes: an open-source knowledge extraction system from the Lattes platform. Journal of the Brazilian Computer Society, 2009, 15, 31-39.	1.3	70
32	3D face computational photography using PCA spaces. Visual Computer, 2009, 25, 899-909.	3.5	8
33	Automatic contour extraction from 2D neuron images. Journal of Neuroscience Methods, 2009, 177, 497-509.	2.5	21
34	Generating segmented meshes from textured color images. Journal of Visual Communication and Image Representation, 2009, 20, 190-203.	2.8	5
35	Evaluation of retinal vessel segmentation methods for microaneurysms detection. , 2009, , .		4
36	Revealing temporal genetic regulatory networks from steady-state distributions. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
37	ScriptLattes: an open-source knowledge extraction system from the Lattes platform. Journal of the Brazilian Computer Society, 2009, 15, 31-39.	1.3	33
38	Object Detection by Keygraph Classification. Lecture Notes in Computer Science, 2009, , 223-232.	1.3	8
39	Feature selection environment for genomic applications. BMC Bioinformatics, 2008, 9, 451.	2.6	46
40	Identification of Protein Coding Regions Using the Modified Gabor-Wavelet Transform. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2008, 5, 198-207.	3.0	103
41	Structural Matching of 2D Electrophoresis Gels using Graph Models. , 2008, , .		2
42	A Backmapping Approach for Graph-Based Object Tracking. , 2008, , .		4
43	PCA-Based 3D Face Photography. , 2008, , .		5
44	AGN Simulation and Validation Model. Lecture Notes in Computer Science, 2008, , 169-173.	1.3	11
45	Automated segmentation of retinal blood vessels and identification of proliferative diabetic retinopathy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 1448.	1.5	55
46	Graph-based Object Tracking Using Structural Pattern Recognition. , 2007, , .		25
47	Structural Image Segmentation with Interactive Model Generation. , 2007, , .		5
48	A feature selection approach for identification of signature genes from SAGE data. BMC Bioinformatics, 2007, 8, 169.	2.6	3
49	Determining the branchings of 3D structures from respective 2D projections. Computer Graphics and Image Processing (SIBGRAPI), Proceedings of the Brazilian Symposium on, 2006, , .	0.0	0
50	On the ternary spatial relation "Between". IEEE Transactions on Systems, Man, and Cybernetics, 2006, 36, 312-327.	5.0	59
51	Retinal vessel segmentation using the 2-D Gabor wavelet and supervised classification. IEEE Transactions on Medical Imaging, 2006, 25, 1214-1222.	8.9	1,229
52	Local approach for face verification in polar frequency domain. Image and Vision Computing, 2006, 24, 904-913.	4.5	4
53	W-operator window design by minimization of mean conditional entropy. Pattern Analysis and Applications, 2006, 9, 139-153.	4.6	26
54	Inexact graph matching for model-based recognition: Evaluation and comparison of optimization algorithms. Pattern Recognition, 2005, 38, 2099-2113.	8.1	74

#	ARTICLE	IF	CITATIONS
55	Sexual dimorphism in the Japanese cranial base: A Fourier-wavelet representation. American Journal of Physical Anthropology, 2005, 128, 608-622.	2.1	20
56	Tracking and Matching Connected Components from 3D Video. , 2005, , .		5
57	Automatic Face Recognition System Based on Local Fourier-Bessel Feature. , 2005, , .		2
58	Quadtree-Based Inexact Graph Matching for Image Analysis. , 2005, , .		4
59	Face Verification in Polar Frequency Domain: A Biologically Motivated Approach. Lecture Notes in Computer Science, 2005, , 183-190.	1.3	4
60	Automatic Window Design for Gray-Scale Image Processing Based on Entropy Minimization. Lecture Notes in Computer Science, 2005, , 813-824.	1.3	2
61	AUTOMATED MORPHOMETRIC ANALYSIS OF THE CAT RETINAL $\hat{\mu}_Y$ , $\hat{\mu}_X$ AND $\hat{\mu}$ GANGLION CELLS USING WAVELET STATISTICAL MOMENT AND CLUSTERING ALGORITHMS. Journal of Integrative Neuroscience, 2004, 03, 415-432.	1.7	11
62	An environment for knowledge discovery in biology. Computers in Biology and Medicine, 2004, 34, 427-447.	7.0	15
63	Approximate reflectional symmetries of fuzzy objects with an application in model-based object recognition. Fuzzy Sets and Systems, 2004, 147, 141-163.	2.7	24
64	Morphometrical data analysis using wavelets. Real Time Imaging, 2004, 10, 239-250.	1.6	5
65	A wavelet subspace method for real-time face tracking. Real Time Imaging, 2004, 10, 339-350.	1.6	27
66	A Fourier-wavelet representation of 2-D shapes: sexual dimorphism in the Japanese cranial base. Anthropological Science, 2004, 112, 3-28.	0.4	14
67	Title is missing!. Brain and Mind, 2003, 4, 67-90.	0.6	10
68	1D and 2D Fourier-based approaches to numeric curvature estimation and their comparative performance assessment. , 2003, 13, 172-197.		17
69	A comparative analysis of structure and spatial distribution of decorin in human leiomyoma and normal myometrium. Biochimica Et Biophysica Acta - General Subjects, 2003, 1619, 98-112.	2.4	35
70	Characterization of neuroanatomic structures using 3D wavelet-based normal fields. , 2003, , .		2
71	Inference from Clustering with Application to Gene-Expression Microarrays. Journal of Computational Biology, 2002, 9, 105-126.	1.6	150
72	Blood vessels segmentation in retina: preliminary assessment of the mathematical morphology and of the wavelet transform techniques. , 2001, , .		39

#	ARTICLE	IF	CITATIONS
73	<title>Time series inference from clustering</title>. , 2001, , .		0
74	Îÿnergosâ€”Synergetic Vision Research. Real-Time Systems, 2001, 21, 7-41.	1.3	3
75	Detection and Tracking of Facial Features in Video Sequences. Lecture Notes in Computer Science, 2000, , 127-135.	1.3	28
76	Eigenfaces Versus Eigeneyes: First Steps Toward Performance Assessment of Representations for Face Recognition. Lecture Notes in Computer Science, 2000, , 193-201.	1.3	6
77	Computer-vision-based extraction of neural dendrograms. Journal of Neuroscience Methods, 1999, 93, 121-131.	2.5	16
78	Neural cell classification by Wavelets and multiscale curvature. Biological Cybernetics, 1998, 79, 347-360.	1.3	27
79	Application and assessment of multiscale bending energy for morphometric characterization of neural cells. Review of Scientific Instruments, 1997, 68, 2177-2186.	1.3	45
80	Shape characterization with the wavelet transform. Signal Processing, 1997, 62, 265-290.	3.7	54
81	Towards effective planar shape representation with multiscale digital curvature analysis based on signal processing techniques. Pattern Recognition, 1996, 29, 1559-1569.	8.1	43
82	Piecewise Linear Segmentation of Digital Contours in $O(N \cdot \log(N))$ Through a Technique Based on Effective Digital Curvature Estimation. Real Time Imaging, 1995, 1, 409-417.	1.6	19
83	3D morphological analysis of brain MRI using wavelets. , 0, , .		3
84	Shape characterization by using the Gabor transform. , 0, , .		3
85	Efficient real-time face tracking in wavelet subspace. , 0, , .		14
86	Blood vessels segmentation in nonmydriatic images using wavelets and statistical classifiers. , 0, , .		14
87	W-operator window design by maximization of training data information. , 0, , .		2
88	Human and Machine Recognition of Fourier-Bessel Filtered Face Images. , 0, , .		1