Alexei Manso Correa MacHado

List of Publications by Year
in descending order

47 papers	350 citations	1039880 9 h-index	887953 17 g-index
47 all docs	47 docs citations	47 times ranked	403 citing authors

#	Article	IF	Citations
1	MammoSys: A content-based image retrieval system using breast density patterns. Computer Methods and Programs in Biomedicine, 2010, 99, 289-297.	2.6	73
2	Corpus callosum morphology and ventricular size in chromosome 22q11.2 deletion syndrome. Brain Research, 2007, 1131, 197-210.	1.1	46
3	Determining the Appropriate Feature Set for Fish Classification Tasks. , 2005, , .		19
4	<title>Atlas warping for brain morphometry</title>. , 1998, , .		18
5	Principal component analysis applied to multidimensional social indicators longitudinal studies: limitations and possibilities. Geo Journal, 2022, 87, 1453-1468.	1.7	17
6	Adequacy and Consistency of an Intraurban Inequality Indicator Constructed through Principal Component Analysis. Professional Geographer, 2021, 73, 282-296.	1.0	17
7	An interval space reducing method for constrained problems with particle swarm optimization. Applied Soft Computing Journal, 2017, 59, 405-417.	4.1	14
8	Measuring Intra-Urban Inequality with Structural Equation Modeling: A Theory-Grounded Indicator. Sustainability, 2020, 12, 8610.	1.6	14
9	Raman spectroscopy with a 1064-nm wavelength laser as a potential molecular tool for prostate cancer diagnosis: a pilot study. Journal of Biomedical Optics, 2018, 23, 1.	1.4	12
10	Multiple Testing Correction in Medical Image Analysis. Journal of Mathematical Imaging and Vision, 2007, 29, 107-117.	0.8	11
11	From 3D to 2D: Transferring knowledge for rib segmentation in chest X-rays. Pattern Recognition Letters, 2020, 140, 10-17.	2.6	11
12	Automatic measurement of pressure ulcers using Support Vector Machines and GrabCut. Computer Methods and Programs in Biomedicine, 2021, 200, 105867.	2.6	11
13	Visual data mining for modeling prior distributions in morphometry - minimizing data redundancy and revealing hidden patterns. IEEE Signal Processing Magazine, 2004, 23, 20-27.	4.6	10
14	People Detection and Tracking in Low Frame-rate Dynamic Scenes. IEEE Latin America Transactions, 2016, 14, 1966-1971.	1.2	8
15	Time–Space Analysis of Multidimensional Phenomena: A Composite Indicator of Social Exclusion Through k-Means. Social Indicators Research, 2022, 159, 569-591.	1.4	7
16	Structural shape characterization via exploratory factor analysis. Artificial Intelligence in Medicine, 2004, 30, 97-118.	3.8	6
17	Voice Navigation Effects on Real-World Lane Change Driving Analysis Using an Electroencephalogram. IEEE Access, 2018, 6, 26483-26492.	2.6	6
18	Forecasting Internet Demand Using Public Data: A Case Study in Brazil. IEEE Access, 2018, 6, 65974-65980.	2.6	6

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19	Automatic Detection of Red Light Running Using Vehicular Cameras. IEEE Latin America Transactions, 2017, 15, 81-86.	1.2	5
20	An image retrieval method based on factor analysis. , 0, , .		4
21	Representing Multidimensional Phenomena of Geographic Interest: Benefit of the Doubt or Principal Component Analysis?. Professional Geographer, 2022, 74, 758-771.	1.0	4
22	Bayesian model for intensity mapping in magnetic resonance image registration. Journal of Electronic Imaging, 2003, 12, 31.	0.5	3
23	A Multicriteria Method for Cervical Tumor Segmentation in Positron Emission Tomography. , 2014, , .		3
24	Dependence aliasing and the control of family-wise error rate in multiple hypothesis testing. Statistics and Computing, 2015, 25, 669-681.	0.8	3
25	Effects on 18F-FDG PET/CT Brain Glucose Metabolism in Rectal Cancer Patients Undergoing Neoadjuvant Chemotherapy. Clinical Nuclear Medicine, 2017, 42, e484-e490.	0.7	3
26	Deep contextual description of superpixels for aerial urban scenes classification. , 2017, , .		3
27	Towards a better comprehension of the role of image registration in face recognition algorithms. , 2011, , .		2
28	The 2D factor analysis and its application to face recognition with a single sample per person. , 2015, , .		2
29	Individualized threshold for tumor segmentation in 18F-FDG PET/CT imaging: The key for response evaluation of neoadjuvant chemoradiation therapy in patients with rectal cancer?. Revista Da Associação Médica Brasileira, 2018, 64, 119-126.	0.3	2
30	A computational method for semi€automatic measurement of pressure ulcers. Wound Repair and Regeneration, 2018, 26, 332-339.	1.5	2
31	Star: A Contextual Description of Superpixels for Remote Sensing Image Classification. Lecture Notes in Computer Science, 2017, , 300-308.	1.0	2
32	<title>Exploratory and confirmatory factor analysis in morphometry</title>. , 2000, 3979, 718.		1
33	Substructural segmentation based on regional shape differences. , 0, , .		1
34	Control of mobile robots with Amorphic Architecture. IEEE Latin America Transactions, 2016, 14, 3093-3101.	1.2	1
35	Content-Based Retrieval of Medical Images with Elongated Structures. Communications in Computer and Information Science, 2008, , 189-201.	0.4	1
36	Method for Estimating the Intensity Mapping between MRI Images. Lecture Notes in Computer Science, 1999, , 496-501.	1.0	1

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37	The Effects of Prenatal Diagnosis on the Interaction of the Mother–Infant Dyad: A Longitudinal Study of Prenatal Care in the First Year of Life. Frontiers in Psychology, 2022, 13, 804724.	1.1	1
38	<title>Likelihood estimation in image warping</title>. , 1999, 3661, 593.		0
39	Probabilistic intensity mapping in MRI image registration. , 0, , .		0
40	True Factor Analysis in Medical Imaging: Dealing with High-Dimensional Spaces. , 2005, , .		0
41	Increasing statistical power in medical image analysis. Computer Graphics and Image Processing (SIBGRAPI), Proceedings of the Brazilian Symposium on, 2006, , .	0.0	0
42	A step-down method for correcting multiple hypothesis testing in biomedical signal processing. , 2009, , .		0
43	<title>Factor analysis of high-dimensional heterogeneous data for structural characterization</title>. , 2001, , .		0
44	A Parallel Implementation of the Finite Volume Method for the Simulation of the Natural Convection in a Closed Cavity. Lecture Notes in Computer Science, 2006, , 748-757.	1.0	0
45	Linear Models for Visual Data Mining in Medical Images. Studies in Computational Intelligence, 2009, , 321-344.	0.7	0
46	Training neural networks with influence diagrams. Lecture Notes in Computer Science, 1995, , 245-256.	1.0	0
47	CLASSIFICAÃ‡ÃƒO DE IMAGENS MAMOGRÃƒFICAS NA ESCALA DE DENSIDADE BI-RADs UTILIZANDO DESCRITORES DE TEXTURA. , 0, , .		0