

Maria JosÃ© Carreira

List of Publications by Year in descending order

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46
papers

884
citations

687335

13
h-index

501174

28
g-index

53
all docs

53
docs citations

53
times ranked

857
citing authors

#	ARTICLE	IF	CITATIONS
1	Computer-aided diagnosis: a neural-network-based approach to lung nodule detection. IEEE Transactions on Medical Imaging, 1998, 17, 872-880.	8.9	166
2	Personal authentication using digital retinal images. Pattern Analysis and Applications, 2006, 9, 21-33.	4.6	93
3	Deep Neural Networks for Chronological Age Estimation From OPG Images. IEEE Transactions on Medical Imaging, 2020, 39, 2374-2384.	8.9	70
4	Retinal Verification Using a Feature Points-Based Biometric Pattern. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.7	67
5	Personal verification based on extraction and characterisation of retinal feature points. Journal of Visual Languages and Computing, 2009, 20, 80-90.	1.8	49
6	A snake for CT image segmentation integrating region and edge information. Image and Vision Computing, 2001, 19, 461-475.	4.5	48
7	Improving zebrafish embryo xenotransplantation conditions by increasing incubation temperature and establishing a proliferation index with ZFtool. BMC Cancer, 2018, 18, 3.	2.6	44
8	A Snake for Retinal Vessel Segmentation. Lecture Notes in Computer Science, 2007, , 178-185.	1.3	43
9	Computerized measurement of retinal blood vessel calibre: description, validation and use to determine the influence of ageing and hypertension. Journal of Hypertension, 2005, 23, 843-850.	0.5	42
10	Computer-aided diagnoses: Automatic detection of lung nodules. Medical Physics, 1998, 25, 1998-2006.	3.0	39
11	Retinal vessel tree segmentation using a deformable contour model. , 2008, , .		38
12	Regression of Alterations in Retinal Microcirculation Following Treatment for Arterial Hypertension. Journal of Clinical Hypertension, 2006, 8, 590-595.	2.0	29
13	In Situ Antibacterial Activity of Essential Oils with and without Alcohol on Oral Biofilm: A Randomized Clinical Trial. Frontiers in Microbiology, 2017, 8, 2162.	3.5	17
14	Retinal Angiography Based Authentication. Lecture Notes in Computer Science, 2003, , 306-313.	1.3	12
15	Precise Segmentation of the Optic Disc in Retinal Fundus Images. Lecture Notes in Computer Science, 2012, , 584-591.	1.3	12
16	Automated description of the mandible shape by deep learning. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 2215-2224.	2.8	12
17	Automatic Extraction of the Retina AV Index. Lecture Notes in Computer Science, 2004, , 132-140.	1.3	10
18	Perceptual primitives from an extended 4D Hough transform. Image and Vision Computing, 2002, 20, 969-980.	4.5	8

#	ARTICLE	IF	CITATIONS
19	Computer-aided lung nodule detection in chest radiography. Lecture Notes in Computer Science, 1995, , 331-338.	1.3	8
20	Automatic Segmentation of Lung Fields on Chest Radiographic Images. Journal of Biomedical Informatics, 1999, 32, 283-303.	0.7	5
21	Grouping of directional features using an extended Hough transform. , 0, , .		5
22	ON KNOWLEDGE-BASED MEDICAL IMAGE UNDERSTANDING. Cybernetics and Systems, 1990, 21, 277-289.	2.5	4
23	Algorithm for registration of full Scanning Laser Ophthalmoscope video sequences. Computer Methods and Programs in Biomedicine, 2011, 102, 1-16.	4.7	4
24	<i>In situ</i> substrate-formed biofilms using IDODS mimic supragingival tooth-formed biofilms. Journal of Oral Microbiology, 2018, 10, 1495975.	2.7	4
25	Autoorganised Structures for Extraction of Perceptual Primitives. Lecture Notes in Computer Science, 2001, , 628-635.	1.3	4
26	DenTiUS Plaque, a Web-Based Application for the Quantification of Bacterial Plaque: Development and Usability Study. Journal of Medical Internet Research, 2020, 22, e18570.	4.3	4
27	ZFTool: A Software for Automatic Quantification of Cancer Cell Mass Evolution in Zebrafish. Applied Sciences (Switzerland), 2021, 11, 7721.	2.5	3
28	In-Silico Detection of Oral Prokaryotic Species With Highly Similar 16S rRNA Sequence Segments Using Different Primer Pairs. Frontiers in Cellular and Infection Microbiology, 2021, 11, 770668.	3.9	3
29	A Neural Network Based Framework for Directional Primitive Extraction. Neural Processing Letters, 2008, 27, 67-83.	3.2	2
30	Fully Automatic Teeth Segmentation in Adult OPG Images. Proceedings (mdpi), 2018, 2, .	0.2	2
31	Perceptual Organization of Directional Primitives Using a Pseudocolor Hough Transform. Lecture Notes in Computer Science, 2003, , 893-898.	1.3	2
32	Gabor Wavelets and Auto-organised Structures for Directional Primitive Extraction. Lecture Notes in Computer Science, 2003, , 722-732.	1.3	2
33	Similarity Metrics Analysis for Feature Point Based Retinal Authentication. Lecture Notes in Computer Science, 2008, , 1023-1032.	1.3	2
34	Chest X-ray Image Enhancement By Adaptive Processing. , 0, , .		1
35	Fully Automatic Teeth Segmentation in Adult OPG Images. Lecture Notes in Computer Science, 2019, , 11-21.	1.3	1
36	Comparison of Pixel and Subpixel Retinal Vessel Tree Segmentation Using a Deformable Contour Model. Lecture Notes in Computer Science, 2008, , 683-690.	1.3	1

#	ARTICLE	IF	CITATIONS
37	Lung nodule detection in curvature space with multilayer perceptron network. , 0, , .		1
38	Medical images segmentation using region and edges information. , 1992, , .		0
39	Progressive segmentation in medical images. , 0, , .		0
40	A computational scheme for lung nodule detection. , 0, , .		0
41	Methodology for the registration of whole SLO sequences. , 0, , .		0
42	Comparative Frameworks for Directional Primitive Extraction. Lecture Notes in Computer Science, 2004, , 212-219.	1.3	0
43	Comparison of alternative frameworks for directional primitive extraction. Pattern Recognition and Image Analysis, 2007, 17, 439-449.	1.0	0
44	Efficient Combination of the Fuzzy Hough Transform and the Burns Segment Detector. Lecture Notes in Computer Science, 2007, , 733-739.	1.3	0
45	Fast Segmentation of Retinal Blood Vessels Using a Deformable Contour Model. Lecture Notes in Computer Science, 2012, , 355-362.	1.3	0
46	Estimating Rodent Brain Volume by a Deformable Contour Model. Communications in Computer and Information Science, 2017, , 686-697.	0.5	0