

# Manuel João Ferreira

## List of Publications by Year in descending order

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43  
papers

434  
citations

1163065

8  
h-index

888047

17  
g-index

43  
all docs

43  
docs citations

43  
times ranked

604  
citing authors

#	ARTICLE	IF	CITATIONS
1	Virtual M-Mode for Echocardiography: A New Approach for the Segmentation of the Anterior Mitral Leaflet. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 305-313.	6.3	8
2	Automatic microaneurysm detection using laws texture masks and support vector machines. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2018, 6, 405-416.	1.9	18
3	Tracking Anterior Mitral Leaflet in Echocardiographic Videos Using Morphological Operators and Active Contours. Communications in Computer and Information Science, 2018, , 146-162.	0.5	0
4	Drusen detection in OCT images with AMD using random forests. , 2017, , .		2
5	Multi-surface segmentation of OCT images with AMD using sparse high order potentials. Biomedical Optics Express, 2017, 8, 281.	2.9	29
6	Tracking of the anterior mitral leaflet in echocardiographic sequences using active contours. , 2016, 2016, 1074-1077.		5
7	Segmentation of the metacarpus and phalange in musculoskeletal ultrasound images using local active contours. , 2016, 2016, 4097-4100.		4
8	Segmentation of bones & MCP joint region of the hand from ultrasound images. , 2015, 2015, 3001-4.		6
9	Sparse high order potentials for extending multi-surface segmentation of OCT images with drusen. , 2015, 2015, 2952-5.		5
10	Exudate segmentation in fundus images using an ant colony optimization approach. Information Sciences, 2015, 296, 14-24.	6.9	68
11	Quality evaluation of digital fundus images through combined measures. Journal of Medical Imaging, 2014, 1, 014001.	1.5	21
12	Using a multi-agent system approach for microaneurysm detection in fundus images. Artificial Intelligence in Medicine, 2014, 60, 179-188.	6.5	43
13	Automatic Arteriovenous Nicking Identification by Color Fundus Images Analysis. Lecture Notes in Computer Science, 2014, , 321-328.	1.3	0
14	Digital mammograms contrast enhancement using wavelets &#x2014; A comparative study. , 2014, , .		1
15	Head Motion Stabilization During Quadruped Robot Locomotion. , 2014, , 41-65.		0
16	Optic disc detection in color fundus images using ant colony optimization. Medical and Biological Engineering and Computing, 2013, 51, 295-303.	2.8	47
17	pH, electric conductivity and sulfate as base parameters to estimate the concentration of metals in AMD using a fuzzy inference system. Journal of Geochemical Exploration, 2013, 124, 22-28.	3.2	12
18	Characterization of PET preforms using spectral domain optical coherence tomography. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
19	Unknown Radial Distortion Centers in Multiple View Geometry Problems. Lecture Notes in Computer Science, 2013, , 136-149.	1.3	5
20	Small Red Lesions Detection Using a MAS Approach. Lecture Notes in Computer Science, 2013, , 521-529.	1.3	0
21	Thin slices of interaction. , 2012, , .		1
22	Registration of retinal images by a MAS-ICP approach &#x2014; A preliminary study. , 2012, , .		2
23	Using MAS to Detect Retinal Blood Vessels. Advances in Intelligent and Soft Computing, 2012, , 239-246.	0.2	3
24	One-sided Radial-Fundamental Matrix Estimation. , 2012, , .		10
25	Multi-objective parameter CPG optimization for gait generation of a quadruped robot considering behavioral diversity. , 2011, , .		13
26	Quadruped Robot Locomotion using a Global Optimization Stochastic Algorithm. , 2011, , .		1
27	Application of Fuzzy Logic to Qualify the Environmental Impact in Abandoned Mining Sites. Water, Air, and Soil Pollution, 2011, 217, 303-315.	2.4	7
28	Blink. , 2011, , .		2
29	Applying an Elitist Electromagnetism-Like Algorithm to Head Robot Stabilization. Lecture Notes in Computer Science, 2011, , 343-357.	1.3	1
30	Voodoo: A System That Allows Children to Create Animated Stories with Action Figures as Interface. Lecture Notes in Computer Science, 2011, , 354-357.	1.3	4
31	Multimodal saliency-based attention for object-based scene analysis. , 2011, , .		4
32	Inspection of bottles crates in the beer industry through computer vision. , 2010, , .		3
33	Promoting interaction amongst autistic adolescents using robots. , 2010, 2010, 3856-9.		39
34	Vision based automatic traffic condition interpretation. , 2010, , .		2
35	Simulated visually-guided paw placement during quadruped locomotion. , 2009, , .		1
36	Timed trajectory generation using dynamical systems: Application to a Puma arm. Robotics and Autonomous Systems, 2009, 57, 182-193.	5.1	10

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37	Applications of simple robots to encourage social receptiveness of adolescents with autism. , 2009, 2009, 5072-5.		24
38	A texture segmentation prototype for industrial inspection applications based on fuzzy grammar. Sensor Review, 2009, 29, 163-173.	1.8	2
39	Detection of defects in automotive metal components through computer vision. , 2008, , .		5
40	A computer vision system for color grading wood boards using Fuzzy Logic. , 2008, , .		14
41	Segmentation and Classification of Leukocytes Using Neural Networks: A Generalization Direction. Studies in Computational Intelligence, 2008, , 373-396.	0.9	4
42	Two Vision-guided vehicles: temporal coordination using nonlinear dynamical systems. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	4
43	Ball Catching by a Puma Arm: a Nonlinear Dynamical Systems Approach. , 2006, , .		3