Rui Fonseca-Pinto

List of Publications by Year
in descending order

46 papers	421 citations	932766 10 h-index	839053 18 g-index
47 all docs	47 docs citations	47 times ranked	440 citing authors

#	Article	IF	Citations
1	Complex network model for COVID-19: Human behavior, pseudo-periodic solutions and multiple epidemic waves. Journal of Mathematical Analysis and Applications, 2022, 514, 125171.	0.5	32
2	Evaluation of postural systems of the pelvis in a person with Limb-Girdle Muscular Dystrophy: results of the analysis of three cushions in the promotion of dynamic balance. , 2022, 4, .	0.0	0
3	Rapid Antimicrobial Susceptibility Testing Using Laser Speckle Technology. , 2022, , .		0
4	Impact of the COVID-19 Pandemic on Adherence to Exercise Prescription: The case of Cardiac Rehabilitation Programs. , 2022, , .		0
5	Improved Patch-based View Rendering for Focused Plenoptic Cameras with Extended Depth-of-Field. , 2021, , .		2
6	Skin Lesion Classification using Bag-of-3D-Features. , 2021, , .		1
7	Optimal control of the COVID-19 pandemic: controlled sanitary deconfinement in Portugal. Scientific Reports, 2021, 11, 3451.	1.6	56
8	Hybrid cardiac rehabilitation program as a potential enhancer of adherence to cardiac rehabilitation in smoking patients with coronary heart disease - a retrospective single-centre analysis. European Journal of Preventive Cardiology, 2021, 28, .	0.8	1
9	CBmeter study: protocol for assessing the predictive value of peripheral chemoreceptor overactivation for metabolic diseases. BMJ Open, 2021, 11, e042825.	0.8	0
10	Evaluating Intelligent Methods for Decision Making Support in Dermoscopy Based on Information Gain and Ensemble. Studies in Computational Intelligence, 2021, , 111-127.	0.7	0
11	Blood Pressure Regulation by the Carotid Sinus Nerve: Clinical Implications for Carotid Body Neuromodulation. Frontiers in Neuroscience, 2021, 15, 725751.	1.4	3
12	Skin lesion classification using features of 3D border lines. , 2021, 2021, 2726-2731.		1
13	Assessing autonomic control of metabolicÂsyndrome by principal component analysis: a data driven methodology. Health and Technology, 2020, 10, 79-85.	2.1	2
14	Skin lesion classification enhancement using border-line features â€" The melanoma vs nevus problem. Biomedical Signal Processing and Control, 2020, 57, 101765.	3.5	30
15	Robust Depth Estimation From Multi-Focus Plenoptic Images. , 2020, , .		0
16	Dermoscopic skin lesion image segmentation based on Local Binary Pattern Clustering: Comparative study. Biomedical Signal Processing and Control, 2020, 59, 101924.	3.5	38
17	Prescribe and Monitor Physical Activity Through a Community-Based eHealth Program: MOVIDA Platform. IFMBE Proceedings, 2020, , 13-19.	0.2	0
18	Accurate Segmentation of Dermoscopic Images based on Local Binary Pattern Clustering. , 2019, , .		4

#	Article	IF	Citations
19	A Methodology for Laser Speckle Simulation in Controlled Dynamic Processes. , 2019, , .		2
20	Lossless Compression of Light Fields Using Multi-reference Minimum Rate Predictors. , 2019, , .		9
21	Recognition of human activity based on sparse data collected from smartphone sensors*. , 2019, , .		2
22	Light Field Image Dataset of Skin Lesions. , 2019, 2019, 3905-3908.		15
23	Image Segmentation using Gradient-based Histogram Thresholding for Skin Lesion Delineation. , 2019, , .		4
24	Lossless coding of light field images based on minimum-rate predictors. Journal of Visual Communication and Image Representation, 2018, 54, 21-30.	1.7	13
25	Tracking human routines towards adaptive monitoring: the MOVIDA.domus platform. Procedia Computer Science, 2018, 138, 41-48.	1.2	1
26	A Cardiac Rehabilitation Program Supported by mHealth Technology: The MOVIDA.eros Platform. Procedia Computer Science, 2018, 138, 119-124.	1.2	4
27	CBView: Merging Data in Metabolic Diagnosis. Procedia Computer Science, 2018, 138, 244-249.	1.2	5
28	Evaluation of Focus Metrics in Extended Depth-of-field Reconstruction. , 2018, , .		1
29	Silhouette Enhancement in Light Field Disparity Estimation Using the Structure Tensor. , 2018, , .		4
30	Dermoscopic assisted diagnosis in melanoma: Reviewing results, optimizing methodologies and quantifying empirical guidelines. Knowledge-Based Systems, 2018, 158, 9-24.	4.0	26
31	Using local binary patterns in speckle image analysis. , 2018, , .		1
32	Evaluation of cutaneous microcirculation patterns by laser speckle imaging. , 2018, , .		5
33	A textured scale-based approach to melanocytic skin lesions in dermoscopy. , 2017, , .		12
34	Finding a signature in dermoscopy: A color normalization proposal. , 2017, , .		0
35	Functional abolition of carotid body activity restores insulin action and glucose homeostasis in rats: key roles for visceral adipose tissue and the liver. Diabetologia, 2017, 60, 158-168.	2.9	45
36	Lossless light-field compression using reversible colour transformations. , 2017, , .		10

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37	Reticular pattern detection in dermoscopy: an approach using Curvelet Transform. Research on Biomedical Engineering, 2016, 32, 129-136.	1.5	4
38	On the geometric modulation of skin lesion growth: a mathematical model for melanoma. Research on Biomedical Engineering, 2016, 32, 44-54.	1.5	6
39	Classification of reticular pattern and streaks in dermoscopic images based on texture analysis. Journal of Medical Imaging, 2015, 2, 044503.	0.8	14
40	An Adaptive Approach for Skin Lesion Segmentation in Dermoscopy Images Using a Multiscale Local Normalization. CIM Series in Mathematical Sciences, 2015, , 537-545.	0.4	1
41	Regularity Measures for Autonomic Nervous System Data: Pseudoentropy as a Dynamic Marker. , 2011, , .		1
42	Screening of obstructive sleep apnea using Hilbertâ€"Huang decomposition of oronasal airway pressure recordings. Medical Engineering and Physics, 2010, 32, 561-568.	0.8	34
43	Image Empirical Mode Decomposition (IEMD) in Dermoscopic Images: Artefact Removal and Lesion Border Detection. , 2010, , .		2
44	On the influence of time-series length in EMD to extract frequency content: Simulations and models in biomedical signals. Medical Engineering and Physics, 2009, 31, 713-719.	0.8	14
45	A New Tool for Nonstationary and Nonlinear Signals: The Hilbert-Huang Transform in Biomedical Applications. , 0, , .		7
46	Enhancement of light field disparity maps by reducing the silhouette effect and plane noise. Multidimensional Systems and Signal Processing, 0, , 1.	1.7	0