

Rui Fonseca-Pinto

List of Publications by Year in descending order

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Version: 2024-02-01

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	Optimal control of the COVID-19 pandemic: controlled sanitary deconfinement in Portugal. Scientific Reports, 2021, 11, 3451.	1.6	56
2	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
3	Dermoscopic skin lesion image segmentation based on Local Binary Pattern Clustering: Comparative study. Biomedical Signal Processing and Control, 2020, 59, 101924.	3.5	38
4	Screening of obstructive sleep apnea using Hilbert-Huang decomposition of oronasal airway pressure recordings. Medical Engineering and Physics, 2010, 32, 561-568.	0.8	34
5	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
6	Skin lesion classification enhancement using border-line features - The melanoma vs nevus problem. Biomedical Signal Processing and Control, 2020, 57, 101765.	3.5	30
7	Dermoscopic assisted diagnosis in melanoma: Reviewing results, optimizing methodologies and quantifying empirical guidelines. Knowledge-Based Systems, 2018, 158, 9-24.	4.0	26
8	Light Field Image Dataset of Skin Lesions. , 2019, 2019, 3905-3908.		15
9	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
10	Classification of reticular pattern and streaks in dermoscopic images based on texture analysis. Journal of Medical Imaging, 2015, 2, 044503.	0.8	14
11	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
12	A textured scale-based approach to melanocytic skin lesions in dermoscopy. , 2017, , .		12
13	Lossless light-field compression using reversible colour transformations. , 2017, , .		10
14	Lossless Compression of Light Fields Using Multi-reference Minimum Rate Predictors. , 2019, , .		9
15	A New Tool for Nonstationary and Nonlinear Signals: The Hilbert-Huang Transform in Biomedical Applications. , 0, , .		7
16	On the geometric modulation of skin lesion growth: a mathematical model for melanoma. Research on Biomedical Engineering, 2016, 32, 44-54.	1.5	6
17	CBView: Merging Data in Metabolic Diagnosis. Procedia Computer Science, 2018, 138, 244-249.	1.2	5
18	Evaluation of cutaneous microcirculation patterns by laser speckle imaging. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
19	Reticular pattern detection in dermoscopy: an approach using Curvelet Transform. Research on Biomedical Engineering, 2016, 32, 129-136.	1.5	4
20	A Cardiac Rehabilitation Program Supported by mHealth Technology: The MOVIDA.eros Platform. Procedia Computer Science, 2018, 138, 119-124.	1.2	4
21	Silhouette Enhancement in Light Field Disparity Estimation Using the Structure Tensor. , 2018, , .		4
22	Accurate Segmentation of Dermoscopic Images based on Local Binary Pattern Clustering. , 2019, , .		4
23	Image Segmentation using Gradient-based Histogram Thresholding for Skin Lesion Delineation. , 2019, , .		4
24	Blood Pressure Regulation by the Carotid Sinus Nerve: Clinical Implications for Carotid Body Neuromodulation. Frontiers in Neuroscience, 2021, 15, 725751.	1.4	3
25	A Methodology for Laser Speckle Simulation in Controlled Dynamic Processes. , 2019, , .		2
26	Recognition of human activity based on sparse data collected from smartphone sensors*. , 2019, , .		2
27	Assessing autonomic control of metabolic syndrome by principal component analysis: a data driven methodology. Health and Technology, 2020, 10, 79-85.	2.1	2
28	Improved Patch-based View Rendering for Focused Plenoptic Cameras with Extended Depth-of-Field. , 2021, , .		2
29	Image Empirical Mode Decomposition (IEMD) in Dermoscopic Images: Artefact Removal and Lesion Border Detection. , 2010, , .		2
30	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
31	Tracking human routines towards adaptive monitoring: the MOVIDA.domus platform. Procedia Computer Science, 2018, 138, 41-48.	1.2	1
32	Evaluation of Focus Metrics in Extended Depth-of-field Reconstruction. , 2018, , .		1
33	Using local binary patterns in speckle image analysis. , 2018, , .		1
34	Skin Lesion Classification using Bag-of-3D-Features. , 2021, , .		1
35	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
36	Regularity Measures for Autonomic Nervous System Data: Pseudoentropy as a Dynamic Marker. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
37	Skin lesion classification using features of 3D border lines. , 2021, 2021, 2726-2731.		1
38	Finding a signature in dermoscopy: A color normalization proposal. , 2017, , .		0
39	Robust Depth Estimation From Multi-Focus Plenoptic Images. , 2020, , .		0
40	CBmeter study: protocol for assessing the predictive value of peripheral chemoreceptor overactivation for metabolic diseases. BMJ Open, 2021, 11, e042825.	0.8	0
41	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
42	Prescribe and Monitor Physical Activity Through a Community-Based eHealth Program: MOVIDA Platform. IFMBE Proceedings, 2020, , 13-19.	0.2	0
43	Enhancement of light field disparity maps by reducing the silhouette effect and plane noise. Multidimensional Systems and Signal Processing, 0, , 1.	1.7	0
44	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
45	Rapid Antimicrobial Susceptibility Testing Using Laser Speckle Technology. , 2022, , .		0
46	Impact of the COVID-19 Pandemic on Adherence to Exercise Prescription: The case of Cardiac Rehabilitation Programs. , 2022, , .		0