

Antônio Cunha

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4051664/publications.pdf>

Version: 2024-02-01

69
papers

629
citations

623574

14
h-index

713332

21
g-index

70
all docs

70
docs citations

70
times ranked

612
citing authors

#	ARTICLE	IF	CITATIONS
1	iW-Net: an automatic and minimalistic interactive lung nodule segmentation deep network. Scientific Reports, 2019, 9, 11591.	1.6	52
2	The Role of Liquid Biopsy in Early Diagnosis of Lung Cancer. Frontiers in Oncology, 2021, 11, 634316.	1.3	50
3	Identifying relationships between imaging phenotypes and lung cancer-related mutation status: EGFR and KRAS. Scientific Reports, 2020, 10, 3625.	1.6	41
4	A Deep Learning Approach for Red Lesions Detection in Video Capsule Endoscopies. Lecture Notes in Computer Science, 2018, , 553-561.	1.0	27
5	HelpmePills: A Mobile Pill Recognition Tool for Elderly Persons. Procedia Technology, 2014, 16, 1523-1532.	1.1	26
6	An unsupervised metaheuristic search approach for segmentation and volume measurement of pulmonary nodules in lung CT scans. Expert Systems With Applications, 2019, 119, 415-428.	4.4	26
7	Conventional Filtering Versus U-Net Based Models for Pulmonary Nodule Segmentation in CT Images. Journal of Medical Systems, 2020, 44, 81.	2.2	25
8	<i>EGFR</i> Assessment in Lung Cancer CT Images: Analysis of Local and Holistic Regions of Interest Using Deep Unsupervised Transfer Learning. IEEE Access, 2021, 9, 58667-58676.	2.6	24
9	Machine Learning and Feature Selection Methods for EGFR Mutation Status Prediction in Lung Cancer. Applied Sciences (Switzerland), 2021, 11, 3273.	1.3	21
10	Learning Lung Nodule Malignancy Likelihood from Radiologist Annotations or Diagnosis Data. Journal of Medical and Biological Engineering, 2018, 38, 424-442.	1.0	19
11	A multi-task CNN approach for lung nodule malignancy classification and characterization. Expert Systems With Applications, 2021, 184, 115469.	4.4	19
12	Literature Review on Artificial Intelligence Methods for Glaucoma Screening, Segmentation, and Classification. Journal of Imaging, 2022, 8, 19.	1.7	19
13	Towards Machine Learning-Aided Lung Cancer Clinical Routines: Approaches and Open Challenges. Journal of Personalized Medicine, 2022, 12, 480.	1.1	19
14	Evaluation of MS Kinect for Elderly Meal Intake Monitoring. Procedia Technology, 2014, 16, 1383-1390.	1.1	17
15	Automatic Lung Nodule Detection Combined With Gaze Information Improves Radiologistsâ€™ Screening Performance. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2894-2901.	3.9	15
16	Comprehensive Perspective for Lung Cancer Characterisation Based on AI Solutions Using CT Images. Journal of Clinical Medicine, 2021, 10, 118.	1.0	14
17	Lung Segmentation in CT Images: A Residual U-Net Approach on a Cross-Cohort Dataset. Applied Sciences (Switzerland), 2022, 12, 1959.	1.3	11
18	Helping Older People: Is there an App for that?. Procedia Computer Science, 2016, 100, 118-127.	1.2	10

#	ARTICLE	IF	CITATIONS
19	Pre-Training Autoencoder for Lung Nodule Malignancy Assessment Using CT Images. Applied Sciences (Switzerland), 2020, 10, 7837.	1.3	10
20	Evaluations of Deep Learning Approaches for Glaucoma Screening Using Retinal Images from Mobile Device. Sensors, 2022, 22, 1449.	2.1	10
21	Artificial Intelligence for Upper Gastrointestinal Endoscopy: A Roadmap from Technology Development to Clinical Practice. Diagnostics, 2022, 12, 1278.	1.3	10
22	Detection of juxta-pleural lung nodules in computed tomography images. Proceedings of SPIE, 2017, , .	0.8	9
23	Unsupervised Neural Network for Homography Estimation in Capsule Endoscopy Frames. Procedia Computer Science, 2019, 164, 602-609.	1.2	9
24	Towards an Automatic Lung Cancer Screening System in Low Dose Computed Tomography. Lecture Notes in Computer Science, 2018, , 310-318.	1.0	8
25	LNDb challenge on automatic lung cancer patient management. Medical Image Analysis, 2021, 70, 102027.	7.0	8
26	Sharing Biomedical Data: Strengthening AI Development in Healthcare. Healthcare (Switzerland), 2021, 9, 827.	1.0	8
27	Cost-effective and Lightweight Mobile Units for MixAR: A Comparative Trial among Different Setups. Procedia Computer Science, 2015, 64, 870-878.	1.2	7
28	Polyps Detection in Colonoscopies. Procedia Computer Science, 2022, 196, 477-484.	1.2	7
29	Usability Test of 3Dconnexion 3D Mice Versus Keyboard+Mouse in Second Life Undertaken by People with Motor Disabilities due to Medullary Lesions. Procedia Computer Science, 2012, 14, 119-127.	1.2	6
30	Machine learning classification methods in hyperspectral data processing for agricultural applications. , 2018, , .		6
31	Exploring Dataset Manipulation via Machine Learning for Botnet Traffic. Procedia Computer Science, 2022, 196, 133-141.	1.2	6
32	Machine Learning automatic assessment for glaucoma and myopia based on Corvis ST data. Procedia Computer Science, 2022, 196, 454-460.	1.2	6
33	Abnormality classification in small datasets of capsule endoscopy images. Procedia Computer Science, 2022, 196, 469-476.	1.2	6
34	A Systematic Review of Artificial Intelligence Applications Used for Inherited Retinal Disease Management. Medicina (Lithuania), 2022, 58, 504.	0.8	6
35	Automatic Meal Intake Monitoring Using Hidden Markov Models. Procedia Computer Science, 2016, 100, 110-117.	1.2	5
36	Towards Modern Cost-effective and Lightweight Augmented Reality Setups. International Journal of Web Portals, 2015, 7, 33-59.	1.1	5

#	ARTICLE	IF	CITATIONS
37	Usability test of 3Dconnexion 3D mice versus keyboard+mouse in Second Life undertaken by people with motor disabilities due to medullary lesions. Universal Access in the Information Society, 2015, 14, 5-16.	2.1	4
38	From water to energy: low cost water & energy consumptions readings. Procedia Computer Science, 2017, 121, 960-967.	1.2	4
39	Convolutional Neural Network Architectures for Texture Classification of Pulmonary Nodules. Lecture Notes in Computer Science, 2019, , 783-791.	1.0	4
40	Comparison of Conventional and Deep Learning Based Methods for Pulmonary Nodule Segmentation in CT Images. Lecture Notes in Computer Science, 2019, , 361-371.	1.0	4
41	Lesions Multiclass Classification in Endoscopic Capsule Frames. Procedia Computer Science, 2019, 164, 637-645.	1.2	4
42	A Comprehensive Review of Methods and Equipment for Aiding Automatic Glaucoma Tracking. Diagnostics, 2022, 12, 935.	1.3	4
43	Multiple instance learning for lung pathophysiological findings detection using CT scans. Medical and Biological Engineering and Computing, 2022, 60, 1569-1584.	1.6	4
44	Retinal Glaucoma Public Datasets: What Do We Have and What Is Missing?. Journal of Clinical Medicine, 2022, 11, 3850.	1.0	4
45	Mobile RHS: A Mobile Application to Support the "River Habitat Survey" Methodology. Procedia Computer Science, 2015, 64, 87-94.	1.2	3
46	Deep Homography Based Localization on Videos of Endoscopic Capsules. , 2018, , .		3
47	Radiologists' Gaze Characterization During Lung Nodule Search in Thoracic CT. , 2018, , .		3
48	Planning of a usability test for 3D controllers in Second Life / OpenSimulator virtual worlds. , 2011, , .		2
49	Wide Residual Network for Lung-Rads, Screening Referral. , 2019, , .		2
50	Radiogenomics: Lung Cancer-Related Genes Mutation Status Prediction. Lecture Notes in Computer Science, 2019, , 335-345.	1.0	2
51	Reassuring the Elderly Regarding the Use of Mobile Devices for Mobility. Lecture Notes in Computer Science, 2014, , 46-57.	1.0	2
52	Evaluation of the Degree of Malignancy of Lung Nodules in Computed Tomography Images. , 2017, , .		2
53	Ensemble Strategies for EGFR Mutation Status Prediction in Lung Cancer. , 2021, 2021, 3285-3288.		2
54	Endoscopy ; Brief historical survey, developments and therapeutics. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
55	HelpWave: An Integrated Web Centred System. <i>Procedia Computer Science</i> , 2015, 64, 110-117.	1.2	1
56	A pilot digital image processing approach for detecting vineyard parcels in Douro region through high-resolution aerial imagery. , 2018, , .		1
57	Small Bowel Mucosa Segmentation for Frame Characterization in Videos of Endoscopic Capsules. , 2019, , .		1
58	Characterization of Water and Energy Consumptions at the End Use Level in Rural and Urban Environments: Preliminary Results of the ENERWAT Project. <i>Urban Science</i> , 2019, 3, 8.	1.1	1
59	Classification of Lung Nodules in CT Volumes Using the Lung-RADSâ„¢ Guidelines with Uncertainty Parameterization. , 2020, , .		1
60	Outsourcing of Information Systems Services in Banking in Portugal. , 0, , .		1
61	THE ROLE OF RADIOGENOMICS IN EGFR AND KRAS MUTATION STATUS PREDICTION AMONG NON-SMALL CELL LUNG CANCER PATIENTS. <i>Chest</i> , 2020, 157, A16.	0.4	0
62	Success factors of CRM project management – A Literature Review. , 0, , .		0
63	Automatic Lung Reference Model. <i>IFMBE Proceedings</i> , 2020, , 999-1008.	0.2	0
64	LNDetector: A Flexible Gaze Characterisation Collaborative Platform for Pulmonary Nodule Screening. <i>IFMBE Proceedings</i> , 2020, , 333-343.	0.2	0
65	Segmentation of Pulmonary Nodules in CT Images Using the Sliding Band Filter. <i>IFMBE Proceedings</i> , 2020, , 353-357.	0.2	0
66	Low-Resolution Retinal Image Vessel Segmentation. <i>Lecture Notes in Computer Science</i> , 2020, , 611-627.	1.0	0
67	Towards Modern Cost-Effective and Lightweight Augmented Reality Setups. , 0, , 396-423.		0
68	Detection and Mosaicing Techniques for Low-Quality Retinal Videos. <i>Sensors</i> , 2022, 22, 2059.	2.1	0
69	Stacking Approach for Lung Cancer EGFR Mutation Status Prediction from CT Scans. , 2021, , .		0