

Joo A M Santos

List of Publications by Year in Descending Order

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Version: 2024-04-29

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

417
citations

10
h-index

18
g-index

53
ext. papers

587
ext. citations

2.7
avg, IF

3.78
L-index

#	Paper	IF	Citations
46	The impact of heterogeneous distance functions on missing data imputation and classification performance. <i>Engineering Applications of Artificial Intelligence</i> , 2022 , 111, 104791	7.2	
45	How distance metrics influence missing data imputation with k-nearest neighbours. <i>Pattern Recognition Letters</i> , 2020 , 136, 111-119	4.7	8
44	Classification of oesophagic early-stage cancers: deep learning versus traditional learning approaches 2020 ,		1
43	Assessing the Impact of Distance Functions on K-Nearest Neighbours Imputation of Biomedical Datasets. <i>Lecture Notes in Computer Science</i> , 2020 , 486-496	0.9	
42	Using deep learning techniques in medical imaging: a systematic review of applications on CT and PET. <i>Artificial Intelligence Review</i> , 2020 , 53, 4093-4160	9.7	35
41	Interpretability vs. Complexity: The Friction in Deep Neural Networks 2020 ,		3
40	An iterative oversampling approach for ordinal classification 2019 ,		3
39	Dose to the interventional radiologist in CTF-guided procedures. <i>Radiation and Environmental Biophysics</i> , 2019 , 58, 373-384	2	3
38	Computer Vision in Esophageal Cancer: A Literature Review. <i>IEEE Access</i> , 2019 , 7, 103080-103094	3.5	8
37	Configuration of Volumetric Arc Radiotherapy Simulations Using PRIMO Software: A Feasibility Study. <i>IFMBE Proceedings</i> , 2019 , 499-503	0.2	
36	Going Back to Basics on Volumetric Segmentation of the Lungs in CT: A Fully Image Processing Based Technique. <i>Lecture Notes in Computer Science</i> , 2019 , 322-334	0.9	1
35	Automatic Generation of Lymphoma Post-Treatment PETs using Conditional-GANs 2019 ,		1
34	Characterization of Extrafocal Dose Influence on the Out-of-Field Dose Distribution by Monte Carlo Simulations and Dose Measurements. <i>Health Physics</i> , 2019 , 117, 489-503	2.3	1
33	. <i>IEEE Access</i> , 2019 , 7, 11651-11667	3.5	22
32	Optimization of skin dose using in-vivo MOSFET dose measurements in bolus/non-bolus fraction ratio: A VMAT and a 3DCRT study. <i>Journal of Applied Clinical Medical Physics</i> , 2019 , 20, 63-70	2.3	7
31	The use of needle holders in CTF guided biopsies as a dose reduction tool. <i>Journal of Applied Clinical Medical Physics</i> , 2018 , 19, 250-258	2.3	6
30	Primo software as a tool for Monte Carlo simulations of intensity modulated radiotherapy: a feasibility study. <i>Radiation Oncology</i> , 2018 , 13, 91	4.2	3

29	Exploring the Effects of Data Distribution in Missing Data Imputation. <i>Lecture Notes in Computer Science</i> , 2018 , 251-263	0.9	3
28	Bi-Rads Classification of Breast Cancer: A New Pre-Processing Pipeline for Deep Models Training 2018 ,		10
27	Registration of CT with PET: A Comparison of Intensity-Based Approaches. <i>Lecture Notes in Computer Science</i> , 2018 , 134-149	0.9	1
26	Evaluation of Oversampling Data Balancing Techniques in the Context of Ordinal Classification 2018 ,		10
25	Analysing the Footprint of Classifiers in Overlapped and Imbalanced Contexts. <i>Lecture Notes in Computer Science</i> , 2018 , 200-212	0.9	1
24	Cross-Validation for Imbalanced Datasets: Avoiding Overoptimistic and Overfitting Approaches [Research Frontier]. <i>IEEE Computational Intelligence Magazine</i> , 2018 , 13, 59-76	5.6	115
23	Image descriptors in radiology images: a systematic review. <i>Artificial Intelligence Review</i> , 2017 , 47, 531-559		11
22	Scintillating fiber optic dosimeters for breast and prostate brachytherapy 2017 ,		2
21	Monitoring Tumor Lung Irradiation With Megavoltage Patient-Scattered Radiation: A Full System Simulation Study. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2017 , 1, 452-459	4.2	0
20	An artificial neural networks approach for assessment treatment response in oncological patients using PET/CT images. <i>BMC Medical Imaging</i> , 2017 , 17, 13	2.9	12
19	Influence of Data Distribution in Missing Data Imputation. <i>Lecture Notes in Computer Science</i> , 2017 , 285-294	0.9	12
18	CHARACTERIZATION OF AN ACTIVE DOSEMETER ACCORDING TO IEC 61526:2010. <i>Radiation Protection Dosimetry</i> , 2016 , 170, 127-31	0.9	3
17	Gafchromic XR-QA2 film as a complementary dosimeter for hand-monitoring in CTF-guided biopsies. <i>Journal of Applied Clinical Medical Physics</i> , 2016 , 17, 316-327	2.3	4
16	Innovative methodology for intercomparison of radionuclide calibrators using short half-life in situ prepared radioactive sources. <i>Medical Physics</i> , 2014 , 41, 072507	4.4	4
15	The effect of megavoltage radiation on polymeric materials to be used in biomedical devices. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 6779-84	1.3	2
14	Study of nuclear medicine practices in Portugal from an internal dosimetry perspective. <i>Radiation Protection Dosimetry</i> , 2012 , 149, 438-43	0.9	8
13	Preliminary assessment of the dose to the interventional radiologist in fluoro-CT-guided procedures. <i>Radiation Protection Dosimetry</i> , 2011 , 144, 448-52	0.9	11
12	Characterization of geometric uncertainties of a dose calibrator during measurement of ^{90}Y activity. <i>Journal of Nuclear Medicine Technology</i> , 2011 , 39, 125-30	1.1	5

11	Ethical issues related to professional exposure of pregnant women in the medical field: monitoring and limiting effective dose. <i>Radiation Protection Dosimetry</i> , 2011 , 144, 525-9	0.9	2
10	Syringe shape and positioning relative to efficiency volume inside dose calibrators and its role in nuclear medicine quality assurance programs. <i>Applied Radiation and Isotopes</i> , 2009 , 67, 1104-9	1.7	10
9	Single-acquisition method for simultaneous determination of extrinsic gamma-camera sensitivity and spatial resolution. <i>Applied Radiation and Isotopes</i> , 2008 , 66, 44-9	1.7	4
8	The role of dipolar interactions in magnetic nanoparticles: Ferromagnetic resonance in discontinuous magnetic multilayers. <i>Journal of Applied Physics</i> , 2007 , 101, 103907	2.5	20
7	Evidence of surface anisotropy in magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 300, e331-e334	2.8	10
6	Peculiar magnetic and electrical properties near structural percolation in metal-insulator granular layers. <i>Journal of Applied Physics</i> , 2004 , 96, 3861-3864	2.5	18
5	Structural imperfection, phase transitions, and the properties of magnetoresistive ceramic and films of La _{0.66} Mn _{1.23} V _{0.11} (c)O _{2.842} V _{0.16} (a). <i>Low Temperature Physics</i> , 2004 , 30, 299-304	0.7	7
4	Magnetic phase behavior for Gd-rich Gd _x . <i>Journal of Applied Physics</i> , 2003 , 93, 8349-8351	2.5	5
3	Low-field magnetization study of CoFe/Al ₂ O ₃ multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2003 , 266, 57-61	2.8	13
2	Time-dependent transport effects in CoFe/Al ₂ O ₃ discontinuous multilayers. <i>Journal of Applied Physics</i> , 2000 , 87, 6328-6330	2.5	7
1	On the joint-effect of class imbalance and overlap: a critical review. <i>Artificial Intelligence Review</i> , 2011 , 23, 1-15	9.7	3