

Norberto Malpica

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9392570/publications.pdf>

Version: 2024-02-01

70
papers

2,606
citations

394421

19
h-index

243625

44
g-index

72
all docs

72
docs citations

72
times ranked

4534
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Deep Learning-Based Approaches to Segment Bowel Air Pockets and Generate Pelvic Attenuation Maps from CAIPIRINHA-Accelerated Dixon MR Images. Journal of Nuclear Medicine, 2022, 63, 468-475.	5.0	5
2	Franken-CT: Head and Neck MR-Based Pseudo-CT Synthesis Using Diverse Anatomical Overlapping MR-CT Scans. Applied Sciences (Switzerland), 2021, 11, 3508.	2.5	7
3	Hardware Architectures for Real-Time Medical Imaging. Electronics (Switzerland), 2021, 10, 3118.	3.1	10
4	Variability in the analysis of a single neuroimaging dataset by many teams. Nature, 2020, 582, 84-88.	27.8	634
5	International collaborative projects on digital electronic systems using open source tools. Computer Applications in Engineering Education, 2020, 28, 792-802.	3.4	5
6	Sobre la innovaci3n y el impacto de la investigaci3n. Orinoquia, 2020, 24, 7-12.	0.1	0
7	Computer-Vision Techniques for Water-Fat Separation in Ultra High-Field MRI Local Specific Absorption Rate Estimation. IEEE Transactions on Biomedical Engineering, 2019, 66, 768-774.	4.2	3
8	Graph theory analysis of resting-state functional magnetic resonance imaging in essential tremor. Human Brain Mapping, 2019, 40, 4686-4702.	3.6	41
9	H-EM: An algorithm for simultaneous cell diameter and intensity quantification in low-resolution imaging cytometry. PLoS ONE, 2019, 14, e0222265.	2.5	0
10	Seismic Phase Picking Using Convolutional Networks. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7086-7092.	6.3	26
11	Parametric CAD modeling for open source scientific hardware: Comparing OpenSCAD and FreeCAD Python scripts. PLoS ONE, 2019, 14, e0225795.	2.5	22
12	Dixon-VIBE Deep Learning (DIVIDE) Pseudo-CT Synthesis for Pelvis PET/MR Attenuation Correction. Journal of Nuclear Medicine, 2019, 60, 429-435.	5.0	103
13	Title is missing!. , 2019, 14, e0225795.		0
14	Title is missing!. , 2019, 14, e0225795.		0
15	Title is missing!. , 2019, 14, e0225795.		0
16	Title is missing!. , 2019, 14, e0225795.		0
17	Objective Evaluation of Multiple Sclerosis Lesion Segmentation using a Data Management and Processing Infrastructure. Scientific Reports, 2018, 8, 13650.	3.3	171
18	DeepEye: Deep convolutional network for pupil detection in real environments. Integrated Computer-Aided Engineering, 2018, 26, 85-95.	4.6	72

#	ARTICLE	IF	CITATIONS
19	Semantic segmentation of mFISH images using convolutional networks. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2018, 93, 620-627.	1.5	22
20	Real-time patch-based medical image modality propagation by GPU computing. Journal of Real-Time Image Processing, 2017, 13, 193-204.	3.5	7
21	Spatiotemporal alignment of in utero BOLDâ€MRI series. Journal of Magnetic Resonance Imaging, 2017, 46, 403-412.	3.4	25
22	Air Quality Forecasting in Madrid Using Long Short-Term Memory Networks. Lecture Notes in Computer Science, 2017, , 232-239.	1.3	18
23	In Vivo Quantification of Placental Insufficiency by BOLD MRI: A Human Study. Scientific Reports, 2017, 7, 3713.	3.3	66
24	A Non-Local Diffusion Saliency Model for Magnetic Resonance Imaging. , 2017, , .		0
25	Deconvolutional Neural Network for Pupil Detection in Real-World Environments. Lecture Notes in Computer Science, 2017, , 223-231.	1.3	5
26	Multiâ€Atlas and label fusion approach for patientâ€specific MRI based skull estimation. Magnetic Resonance in Medicine, 2016, 75, 1797-1807.	3.0	21
27	In vivo neurometabolic profiling in orthostatic tremor. Medicine (United States), 2016, 95, e4848.	1.0	12
28	Fast Patch-Based Pseudo-CT Synthesis from T1-Weighted MR Images for PET/MR Attenuation Correction in Brain Studies. Journal of Nuclear Medicine, 2016, 57, 136-143.	5.0	72
29	Automated quantification of epicardial adipose tissue in cardiac magnetic resonance imaging. , 2015, 2015, 7308-11.		4
30	Fast pseudo-CT synthesis from MRI T1-weighted images using a patch-based approach. , 2015, , .		0
31	The Effect of Mouth Motion on the Attenuation Correction in Neurological PET Studies. Lecture Notes in Computational Vision and Biomechanics, 2015, , 63-69.	0.5	0
32	Parallel transmit pulse design for patients with deep brain stimulation implants. Magnetic Resonance in Medicine, 2015, 73, 1896-1903.	3.0	56
33	SAR reduction in 7T Câ€spine imaging using a â€œdark modesâ€ transmit array strategy. Magnetic Resonance in Medicine, 2015, 73, 1533-1539.	3.0	26
34	Gaussian Processes for Slice-Based Super-Resolution MR Images. Lecture Notes in Computer Science, 2015, , 692-701.	1.3	2
35	Predicting Very Early Stage Mild Cognitive Impairment Based on a Voxel-wise Arterial Spin Labeling Analysis. Lecture Notes in Computer Science, 2014, , 714-721.	1.3	0
36	Single-image super-resolution of brain MR images using overcomplete dictionaries. Medical Image Analysis, 2013, 17, 113-132.	11.6	140

#	ARTICLE	IF	CITATIONS
37	Box Relaxation Schemes in Staggered Discretizations for the Dual Formulation of Total Variation Minimization. IEEE Transactions on Image Processing, 2013, 22, 2030-2043.	9.8	7
38	Discovering Regional Pathological Patterns in Brain MRI. , 2013, , .		1
39	Objective Assessment of Olfactory Function Using Functional Magnetic Resonance Imaging (fMRI). IEEE Transactions on Instrumentation and Measurement, 2010, 59, 2602-2608.	4.7	16
40	The Effect of the Normalization Strategy on Voxel-Based Analysis of DTI Images: A Pattern Recognition Based Assessment. Lecture Notes in Computer Science, 2010, , 78-88.	1.3	1
41	Multiphase Systems for Medical Image Region Classification. , 2009, , .		1
42	Automatic quantification of histological studies in allergic asthma. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 271-277.	1.5	2
43	Project based learning experience in VHDL digital electronic circuit design. , 2009, , .		14
44	Recognition and Quantification of Area Damaged by Oligonychus Perseae in Avocado Leaves. Lecture Notes in Computer Science, 2009, , 677-684.	1.3	3
45	A Fast Anisotropic Mumford-Shah Functional Based Segmentation. Lecture Notes in Computer Science, 2009, , 322-329.	1.3	3
46	Web-PACS for Multicenter Clinical Trials. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 87-93.	3.2	23
47	Automatic Segmentation of the Liver in CT Using Level Sets Without Edges. Lecture Notes in Computer Science, 2007, , 161-168.	1.3	9
48	Analytical Geometric Model for Photon Coincidence Detection in 3D PET. , 2006, , .		2
49	Age-related intramyocardial patterns in healthy subjects evaluated with Doppler tissue imaging. European Journal of Echocardiography, 2005, 6, 175-185.	2.3	10
50	Quantification of blood flow in great vessels from cardiac magnetic resonance imaging. Proc Int Symp Image Signal Process Anal, 2005, , .	0.0	1
51	Semi automatic estimation and visualization of left ventricle volumes in cardiac MRI. , 2005, , .		3
52	Tracking of regions-of-interest in myocardial contrast echocardiography. Ultrasound in Medicine and Biology, 2004, 30, 303-309.	1.5	31
53	A multichannel watershed-based algorithm for supervised texture segmentation. Pattern Recognition Letters, 2003, 24, 1545-1554.	4.2	38
54	Automatic quantification of viability in epithelial cell cultures by texture analysis. Journal of Microscopy, 2003, 209, 34-40.	1.8	13

#	ARTICLE	IF	CITATIONS
55	New Techniques for the Assessment of Regional Left Ventricular Wall Motion. Echocardiography, 2003, 20, 659-672.	0.9	16
56	Segmentation, autofocusing and signagture extraction of tuberculosis sputum images. , 2002, 4788, 171.		14
57	Intramyocardial analysis of regional systolic and diastolic function in ischemic heart disease with Doppler tissue imaging: Role of the different myocardial layers. Journal of the American Society of Echocardiography, 2002, 15, 99-108.	2.8	25
58	Assessment of normal and ischaemic myocardium by quantitative m-mode tissue doppler imaging. Ultrasound in Medicine and Biology, 2002, 28, 561-569.	1.5	18
59	<title>Myocardial perfusion assessment with contrast echocardiography</title>. , 2001, , .		4
60	<title>Automatic detection of cellular necrosis in epithelial cell cultures</title>. , 2001, , .		9
61	Optimisation and evaluation of an asynchronous transfer mode teleradiology co-operative system: the experience of the EMERALD and the BONAPARTE projects. Computer Methods and Programs in Biomedicine, 2001, 64, 201-214.	4.7	9
62	<title>Accuracy of heart strain rate calculation derived from Doppler tissue velocity data</title>. , 2001, 4325, 546.		3
63	<title>Statistical segmentation of multidimensional brain datasets</title>. , 2001, , .		11
64	Magnetic resonance imaging in the evaluation of inflammatory lesions in muscular and soft tissues: an experimental infection model induced by Candida albicans. Magnetic Resonance Imaging, 1999, 17, 1327-1334.	1.8	15
65	A broadband multimedia collaborative system for advanced teleradiology and medical imaging diagnosis. IEEE Transactions on Information Technology in Biomedicine, 1998, 2, 146-155.	3.2	23
66	Applying watershed algorithms to the segmentation of clustered nuclei. , 1998, 28, 289-297.		370
67	<title>EMERALD ATM telemedicine application</title>. , 1998, , .		1
68	The BONAPARTE telemedicine ATM multimedia applications. Lecture Notes in Computer Science, 1997, , 693-708.	1.3	4
69	Evaluation of autofocus functions in molecular cytogenetic analysis. Journal of Microscopy, 1997, 188, 264-272.	1.8	329
70	Quantitative intramyocardial M-mode DTI analysis. , 0, , .		1