

Victor Alves

List of Publications by Year in Descending Order

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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.

50 papers	2,138 citations	13 h-index	46 g-index
52 ext. papers	2,767 ext. citations	2.9 avg, IF	5.38 L-index

#	Paper	IF	Citations
50	Combining unsupervised and supervised learning for predicting the final stroke lesion. <i>Medical Image Analysis</i> , 2021 , 69, 101888	15.4	7
49	Prediction of Stroke Lesion at 90-Day Follow-Up by Fusing Raw DSC-MRI With Parametric Maps Using Deep Learning. <i>IEEE Access</i> , 2021 , 9, 26260-26270	3.5	1
48	Synthetic skull bone defects for automatic patient-specific craniofacial implant design. <i>Scientific Data</i> , 2021 , 8, 36	8.2	4
47	AutoImplant 2020-First MICCAI Challenge on Automatic Cranial Implant Design. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 2329-2342	11.7	10
46	A Thermodynamic Assessment of the Cyber Security Risk in Healthcare Facilities. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 452-465	0.4	
45	Some considerations on the estimation of the value associated to a clinical act. <i>Procedia Computer Science</i> , 2020 , 170, 1041-1046	1.6	1
44	Bridging the Gap of Neuroscience, Philosophy, and Evolutionary Biology to Propose an Approach to Machine Learning of Human-Like Ethics. <i>Lecture Notes in Computer Science</i> , 2020 , 309-321	0.9	
43	Interpretability of a Deep Learning Model for Rodents Brain Semantic Segmentation. <i>IFIP Advances in Information and Communication Technology</i> , 2019 , 307-318	0.5	0
42	Automated Computer-aided Design of Cranial Implants Using a Deep Volumetric Convolutional Denoising Autoencoder. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 151-160	0.4	23
41	Dyscalculia: A Behavioural Vision. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 199-206	0.2	1
40	Adaptive Feature Recombination and Recalibration for Semantic Segmentation With Fully Convolutional Networks. <i>IEEE Transactions on Medical Imaging</i> , 2019 , 38, 2914-2925	11.7	32
39	Combining Image and Non-image Clinical Data: An Infrastructure that Allows Machine Learning Studies in a Hospital Environment. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 324-331	0.4	
38	Assessing Individuals Learning Impairments from a Social Entropic Perspective. <i>Lecture Notes in Computer Science</i> , 2019 , 62-73	0.9	
37	Entropy and Organizational Performance. <i>Lecture Notes in Computer Science</i> , 2019 , 206-217	0.9	14
36	Enhancing interpretability of automatically extracted machine learning features: application to a RBM-Random Forest system on brain lesion segmentation. <i>Medical Image Analysis</i> , 2018 , 44, 228-244	15.4	54
35	Chest X-Ray Image Analysis. <i>Lecture Notes in Computer Science</i> , 2018 , 48-61	0.9	
34	Augmented Reality in Surgery. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2018 , 96-110	0.3	

33	Predicative Vagueness in Lung Metastases in Soft Tissue Sarcoma Screening. <i>Lecture Notes in Computer Science</i> , 2018 , 80-89	0.9	1
32	Enhancing Clinical MRI Perfusion Maps with Data-Driven Maps of Complementary Nature for Lesion Outcome Prediction. <i>Lecture Notes in Computer Science</i> , 2018 , 107-115	0.9	7
31	Diagnosis of Alzheimer Disease Through an Artificial Neural Network Based System. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 162-174	0.4	2
30	Deep Learning Based Pipeline for Fingerprinting Using Brain Functional MRI Connectivity Data. <i>Procedia Computer Science</i> , 2018 , 141, 539-544	1.6	4
29	Stroke Lesion Outcome Prediction Based on MRI Imaging Combined With Clinical Information. <i>Frontiers in Neurology</i> , 2018 , 9, 1060	4.1	32
28	Adaptive Feature Recombination and Recalibration for Semantic Segmentation: Application to Brain Tumor Segmentation in MRI. <i>Lecture Notes in Computer Science</i> , 2018 , 706-714	0.9	23
27	Automatic Brain Tumor Grading from MRI Data Using Convolutional Neural Networks and Quality Assessment. <i>Lecture Notes in Computer Science</i> , 2018 , 106-114	0.9	30
26	ISLES 2016 and 2017-Benchmarking Ischemic Stroke Lesion Outcome Prediction Based on Multispectral MRI. <i>Frontiers in Neurology</i> , 2018 , 9, 679	4.1	77
25	Promoting entrepreneurship among informatics engineering students: insights from a case study. <i>European Journal of Engineering Education</i> , 2017 , 42, 91-108	1.5	8
24	On hierarchical brain tumor segmentation in MRI using fully convolutional neural networks: A preliminary study 2017 ,		19
23	Endoscopic Imaging Results 2017 , 776-789		
22	Brain Tumor Segmentation Using Convolutional Neural Networks in MRI Images. <i>IEEE Transactions on Medical Imaging</i> , 2016 , 35, 1240-1251	11.7	1237
21	A Framework for the Automation of Multimodal brain Connectivity Analyses. <i>Studies in Computational Intelligence</i> , 2016 , 365-373	0.8	
20	A Hitchhiker's Guide to Functional Magnetic Resonance Imaging. <i>Frontiers in Neuroscience</i> , 2016 , 10, 515	5.1	77
19	Enabling Data Storage and Availability of Multimodal Neuroimaging Studies A NoSQL Based Solution. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 107-116	0.4	
18	The impact of normalization and segmentation on resting-state brain networks. <i>Brain Connectivity</i> , 2015 , 5, 166-76	2.7	13
17	An Adverse Event Reporting and Learning System for Water Sector Based on an Extension of the Eindhoven Classification Model. <i>Water Resources Management</i> , 2015 , 29, 4927-4943	3.7	2
16	A 3D Computed Tomography Based Tool for Orthopedic Surgery Planning. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2015 , 121-137	0.3	4

15	Construction of Functional Brain Connectivity Networks. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 303-310	0.4	1
14	Multilingual Voice Control for Endoscopic Procedures. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 229-235	0.2	
13	Video Processing Architecture: A Solution for Endoscopic Procedures Results. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 117-125	0.4	0
12	A Novel Approach to Endoscopic Exams Archiving. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 239-248	0.4	1
11	Endoscopic Imaging Results. <i>Journal of Information Technology Research</i> , 2014 , 7, 27-40	0.7	
10	Endoscopic Imaging Results: Web based Solution with Video Diffusion. <i>Procedia Technology</i> , 2013 , 9, 1123-1131		4
9	A hitchhiker's guide to diffusion tensor imaging. <i>Frontiers in Neuroscience</i> , 2013 , 7, 31	5.1	404
8	BrainCAT - a tool for automated and combined functional magnetic resonance imaging and diffusion tensor imaging brain connectivity analysis. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 794	3.3	11
7	Web-Based Solution for Acquisition, Processing, Archiving and Diffusion of Endoscopy Studies. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 317-324	0.4	7
6	Evolutionary intelligence in asphalt pavement modeling and quality-of-information. <i>Progress in Artificial Intelligence</i> , 2012 , 1, 119-135	4	10
5	A logic programming approach to medical errors in imaging. <i>International Journal of Medical Informatics</i> , 2011 , 80, 669-79	5.3	5
4	Web-based Medical Teaching using a Multi-Agent System 2005 , 181-194		1
3	A Computational Environment For Building Intelligent Medical Diagnosis Based Systems 2003 , 149-161		
2	A Computational Environment for Medical Diagnosis Support Systems. <i>Lecture Notes in Computer Science</i> , 2001 , 42-47	0.9	4
1	Employees balance and stability as key points in organizational performance. <i>Logic Journal of the IGPL</i> ,	1	5