

# Victor Alves

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8052196/publications.pdf>

Version: 2024-02-01

48  
papers

3,287  
citations

623574

14  
h-index

315616

38  
g-index

52  
all docs

52  
docs citations

52  
times ranked

5222  
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain Tumor Segmentation Using Convolutional Neural Networks in MRI Images. IEEE Transactions on Medical Imaging, 2016, 35, 1240-1251.	5.4	1,825
2	A hitchhiker's guide to diffusion tensor imaging. Frontiers in Neuroscience, 2013, 7, 31.	1.4	615
3	A Hitchhiker's Guide to Functional Magnetic Resonance Imaging. Frontiers in Neuroscience, 2016, 10, 515.	1.4	159
4	ISLES 2016 and 2017-Benchmarking Ischemic Stroke Lesion Outcome Prediction Based on Multispectral MRI. Frontiers in Neurology, 2018, 9, 679.	1.1	117
5	Enhancing interpretability of automatically extracted machine learning features: application to a RBM-Random Forest system on brain lesion segmentation. Medical Image Analysis, 2018, 44, 228-244.	7.0	76
6	Automatic Brain Tumor Grading from MRI Data Using Convolutional Neural Networks and Quality Assessment. Lecture Notes in Computer Science, 2018, , 106-114.	1.0	76
7	Adaptive Feature Recombination and Recalibration for Semantic Segmentation With Fully Convolutional Networks. IEEE Transactions on Medical Imaging, 2019, 38, 2914-2925.	5.4	58
8	Stroke Lesion Outcome Prediction Based on MRI Imaging Combined With Clinical Information. Frontiers in Neurology, 2018, 9, 1060.	1.1	55
9	Automated Computer-aided Design of Cranial Implants Using a Deep Volumetric Convolutional Denoising Autoencoder. Advances in Intelligent Systems and Computing, 2019, , 151-160.	0.5	32
10	On hierarchical brain tumor segmentation in MRI using fully convolutional neural networks: A preliminary study. , 2017, , .		29
11	Adaptive Feature Recombination and Recalibration for Semantic Segmentation: Application to Brain Tumor Segmentation in MRI. Lecture Notes in Computer Science, 2018, , 706-714.	1.0	28
12	AutoImplant 2020-First MICCAI Challenge on Automatic Cranial Implant Design. IEEE Transactions on Medical Imaging, 2021, 40, 2329-2342.	5.4	24
13	Synthetic skull bone defects for automatic patient-specific craniofacial implant design. Scientific Data, 2021, 8, 36.	2.4	21
14	Enhancing Clinical MRI Perfusion Maps with Data-Driven Maps of Complementary Nature for Lesion Outcome Prediction. Lecture Notes in Computer Science, 2018, , 107-115.	1.0	16
15	Entropy and Organizational Performance. Lecture Notes in Computer Science, 2019, , 206-217.	1.0	16
16	The Impact of Normalization and Segmentation on Resting-State Brain Networks. Brain Connectivity, 2015, 5, 166-176.	0.8	14
17	Combining unsupervised and supervised learning for predicting the final stroke lesion. Medical Image Analysis, 2021, 69, 101888.	7.0	14
18	Evolutionary intelligence in asphalt pavement modeling and quality-of-information. Progress in Artificial Intelligence, 2012, 1, 119-135.	1.5	13

#	ARTICLE	IF	CITATIONS
19	Promoting entrepreneurship among informatics engineering students: insights from a case study. European Journal of Engineering Education, 2017, 42, 91-108.	1.5	13
20	BrainCAT – a tool for automated and combined functional magnetic resonance imaging and diffusion tensor imaging brain connectivity analysis. Frontiers in Human Neuroscience, 2013, 7, 794.	1.0	12
21	A logic programming approach to medical errors in imaging. International Journal of Medical Informatics, 2011, 80, 669-679.	1.6	8
22	Employees balance and stability as key points in organizational performance. Logic Journal of the IGPL, 0, , .	1.3	8
23	A 3D Computed Tomography Based Tool for Orthopedic Surgery Planning. Lecture Notes in Computational Vision and Biomechanics, 2015, , 121-137.	0.5	7
24	Prediction of Stroke Lesion at 90-Day Follow-Up by Fusing Raw DSC-MRI With Parametric Maps Using Deep Learning. IEEE Access, 2021, 9, 26260-26270.	2.6	7
25	Deep Learning Based Pipeline for Fingerprinting Using Brain Functional MRI Connectivity Data. Procedia Computer Science, 2018, 141, 539-544.	1.2	6
26	Endoscopic Imaging Results: Web based Solution with Video Diffusion. Procedia Technology, 2013, 9, 1123-1131.	1.1	5
27	A Computational Environment for Medical Diagnosis Support Systems. Lecture Notes in Computer Science, 2001, , 42-47.	1.0	5
28	Automatic Segmentation of the Olfactory Bulb. Brain Sciences, 2021, 11, 1141.	1.1	4
29	An Adverse Event Reporting and Learning System for Water Sector Based on an Extension of the Eindhoven Classification Model. Water Resources Management, 2015, 29, 4927-4943.	1.9	2
30	Diagnosis of Alzheimer Disease Through an Artificial Neural Network Based System. Advances in Intelligent Systems and Computing, 2018, , 162-174.	0.5	2
31	Video Processing Architecture: A Solution for Endoscopic Procedures Results. Advances in Intelligent Systems and Computing, 2014, , 117-125.	0.5	1
32	Enabling Data Storage and Availability of Multimodal Neuroimaging Studies – A NoSQL Based Solution. Advances in Intelligent Systems and Computing, 2016, , 107-116.	0.5	1
33	Interpretability of a Deep Learning Model for Rodents Brain Semantic Segmentation. IFIP Advances in Information and Communication Technology, 2019, , 307-318.	0.5	1
34	Some considerations on the estimation of the value associated to a clinical act. Procedia Computer Science, 2020, 170, 1041-1046.	1.2	1
35	Web-based Medical Teaching using a Multi-Agent System. , 2005, , 181-194.		1
36	A Novel Approach to Endoscopic Exams Archiving. Advances in Intelligent Systems and Computing, 2014, , 239-248.	0.5	1

#	ARTICLE	IF	CITATIONS
37	A Case Base Approach to Cardiovascular Diseases using Chest X-ray Image Analysis. , 2017, , .		1
38	Predicative Vagueness in Lung Metastases in Soft Tissue Sarcoma Screening. Lecture Notes in Computer Science, 2018, , 80-89.	1.0	1
39	Combining Image and Non-image Clinical Data: An Infrastructure that Allows Machine Learning Studies in a Hospital Environment. Advances in Intelligent Systems and Computing, 2019, , 324-331.	0.5	1
40	Assessing Individuals Learningâ€™s Impairments from a Social Entropic Perspective. Lecture Notes in Computer Science, 2019, , 62-73.	1.0	1
41	Chest X-Ray Image Analysis. Lecture Notes in Computer Science, 2018, , 48-61.	1.0	0
42	A Thermodynamic Assessment of the Cyber Security Risk in Healthcare Facilities. Advances in Intelligent Systems and Computing, 2020, , 452-465.	0.5	0
43	A Computational Environment For Building Intelligent Medical Diagnosis Based Systems. , 2003, , 149-161.		0
44	Endoscopic Imaging Results. Journal of Information Technology Research, 2014, 7, 27-40.	0.3	0
45	Multilingual Voice Control for Endoscopic Procedures. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 229-235.	0.2	0
46	A Framework for the Automation of Multimodalbrain Connectivity Analyses. Studies in Computational Intelligence, 2016, , 365-373.	0.7	0
47	Endoscopic Imaging Results. , 2017, , 776-789.		0
48	Augmented Reality in Surgery. Advances in Medical Technologies and Clinical Practice Book Series, 2018, , 96-110.	0.3	0