

# Bob D De Vos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6395297/publications.pdf>

Version: 2024-02-01

21  
papers

1,915  
citations

623188

14  
h-index

752256

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

2318  
citing authors

#	ARTICLE	IF	CITATIONS
1	A deep learning framework for unsupervised affine and deformable image registration. <i>Medical Image Analysis</i> , 2019, 52, 128-143.	7.0	512
2	End-to-End Unsupervised Deformable Image Registration with a Convolutional Neural Network. <i>Lecture Notes in Computer Science</i> , 2017, , 204-212.	1.0	251
3	State-of-the-Art Deep Learning in Cardiovascular Image Analysis. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1549-1565.	2.3	238
4	Automatic coronary artery calcium scoring in cardiac CT angiography using paired convolutional neural networks. <i>Medical Image Analysis</i> , 2016, 34, 123-136.	7.0	228
5	Automatic Calcium Scoring in Low-Dose Chest CT Using Deep Neural Networks With Dilated Convolutions. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 615-625.	5.4	176
6	ConvNet-Based Localization of Anatomical Structures in 3-D Medical Images. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 1470-1481.	5.4	94
7	Direct Automatic Coronary Calcium Scoring in Cardiac and Chest CT. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2127-2138.	5.4	82
8	Deep Learning-Based Regression and Classification for Automatic Landmark Localization in Medical Images. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 4011-4022.	5.4	70
9	An evaluation of automatic coronary artery calcium scoring methods with cardiac CT using the orCaScore framework. <i>Medical Physics</i> , 2016, 43, 2361-2373.	1.6	63
10	Automatic determination of cardiovascular risk by CT attenuation correction maps in Rb-82 PET/CT. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 2133-2142.	1.4	49
11	Automatic Coronary Artery Calcium Scoring on Radiotherapy Planning CT Scans of Breast Cancer Patients: Reproducibility and Association with Traditional Cardiovascular Risk Factors. <i>PLoS ONE</i> , 2016, 11, e0167925.	1.1	35
12	Automatic segmentation with detection of local segmentation failures in cardiac MRI. <i>Scientific Reports</i> , 2020, 10, 21769.	1.6	29
13	Coronary calcium scoring with partial volume correction in anthropomorphic thorax phantom and screening chest CT images. <i>PLoS ONE</i> , 2018, 13, e0209318.	1.1	23
14	Deep convolutional neural networks for automatic coronary calcium scoring in a screening study with low-dose chest CT. <i>Proceedings of SPIE</i> , 2016, , .	0.8	22
15	Automatic segmentation of thoracic aorta segments in low-dose chest CT. , 2018, , .		18
16	Deep Learningâ€“Quantified Calcium Scores for Automatic Cardiovascular Mortality Prediction at Lung Screening Low-Dose CT. <i>Radiology: Cardiothoracic Imaging</i> , 2021, 3, e190219.	0.9	7
17	Impact of automatically detected motion artifacts on coronary calcium scoring in chest computed tomography. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	0.8	6
18	Autoencoding low-resolution MRI for semantically smooth interpolation of anisotropic MRI. <i>Medical Image Analysis</i> , 2022, 78, 102393.	7.0	5

#	ARTICLE	IF	CITATIONS
19	Generative models for reproducible coronary calcium scoring. Journal of Medical Imaging, 2022, 9, .	0.8	3
20	Automatic detection of cardiovascular risk in CT attenuation correction maps in Rb-82 PET/CTs. Proceedings of SPIE, 2016, , .	0.8	2
21	Deep Group-Wise Variational Diffeomorphic Image Registration. Lecture Notes in Computer Science, 2020, , 155-164.	1.0	2