Ruben Cardenes

List of Publications by Year
in descending order

25 papers	596 citations	840119 11 h-index	794141 19 g-index
25 all docs	25 docs citations	25 times ranked	986 citing authors

#	ARTICLE	IF	CITATIONS
1	Computational fluid dynamic simulations of image-based stented coronary bifurcation models. Journal of the Royal Society Interface, 2013, 10, 20130193.	1.5	104
2	A multidimensional segmentation evaluation for medical image data. Computer Methods and Programs in Biomedicine, 2009, 96, 108-124.	2.6	102
3	Patient-specific simulations of stenting procedures in coronary bifurcations: Two clinical cases. Medical Engineering and Physics, 2013, 35, 1272-1281.	0.8	92
4	Anatomical Labeling of the Circle of Willis Using Maximum A Posteriori Probability Estimation. IEEE Transactions on Medical Imaging, 2013, 32, 1587-1599.	5.4	55
5	Automated landmarking and geometric characterization of the carotid siphon. Medical Image Analysis, 2012, 16, 889-903.	7.0	32
6	Three-dimensional morphological analysis of intracranial aneurysms: A fully automated method for aneurysm sac isolation and quantification. Medical Physics, 2011, 38, 2439-2449.	1.6	30
7	Automatic Aneurysm Neck Detection Using Surface Voronoi Diagrams. IEEE Transactions on Medical Imaging, 2011, 30, 1863-1876.	5.4	25
8	AngioLab—A software tool for morphological analysis and endovascular treatment planning of intracranial aneurysms. Computer Methods and Programs in Biomedicine, 2012, 108, 806-819.	2.6	24
9	Automatic articulated registration of hand radiographs. Image and Vision Computing, 2009, 27, 1207-1222.	2.7	18
10	Estimation of Purkinje trees from electro-anatomical mapping of the left ventricle using minimal cost geodesics. Medical Image Analysis, 2015, 24, 52-62.	7.0	16
11	Fast and accurate geodesic distance transform by ordered propagation. Image and Vision Computing, 2010, 28, 307-316.	2.7	15
12	3D reconstruction of coronary arteries from rotational X-ray angiography. , 2012, , .		14
13	Performance assessment of isolation methods for geometrical cerebral aneurysm analysis. Medical and Biological Engineering and Computing, 2013, 51, 343-352.	1.6	12
14	Analysis of the pyramidal tract in tumor patients using diffusion tensor imaging. NeuroImage, 2010, 50, 27-39.	2.1	10
15	An Efficient Algorithm for Multiple Sclerosis Lesion Segmentation from Brain MRI. Lecture Notes in Computer Science, 2003, , 542-551.	1.0	9
16	Saturn: A software application of tensor utilities for research in neuroimaging. Computer Methods and Programs in Biomedicine, 2010, 97, 264-279.	2.6	6
17	3D Modeling of Coronary Artery Bifurcations from CTA and Conventional Coronary Angiography. Lecture Notes in Computer Science, 2011, 14, 395-402.	1.0	6
18	Fast 3D centerline computation for tubular structures by front collapsing and fast marching. , 2010, , .		5

#	Article	IF	Citations
19	Automatic identification of internal carotid artery from 3DRA images. , 2010, 2010, 5343-6.		5
20	Model generation of coronary artery bifurcations from CTA and single plane angiography. Medical Physics, 2013, 40, 013701.	1.6	5
21	3D membrane segmentation and quantification of intact thick cells using cryo soft X-ray transmission microscopy: A pilot study. PLoS ONE, 2017, 12, e0174324.	1.1	4
22	Analysis of the helix and transverse angles of the muscle fibers in the myocardium based on Diffusion Tensor Imaging. , 2010, 2010, 5720-3.		3
23	Automated intracranial aneurysm isolation and quantification. , 2010, 2010, 2841-4.		3
24	Characterization of Anatomic Fiber Bundles for Diffusion Tensor Image Analysis. Lecture Notes in Computer Science, 2009, 12, 903-910.	1.0	1
25	Quantitative Analysis of Pyramidal Tracts in Brain Tumor Patients Using Diffusion Tensor Imaging. , 2012, , 143-152.		0