

# Karl Kk Krissian

## List of Publications by Year in descending order

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28  
papers

1,765  
citations

623734

14  
h-index

752698

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1974  
citing authors

#	ARTICLE	IF	CITATIONS
1	Model-Based Detection of Tubular Structures in 3D Images. Computer Vision and Image Understanding, 2000, 80, 130-171.	4.7	347
2	Oriented Speckle Reducing Anisotropic Diffusion. IEEE Transactions on Image Processing, 2007, 16, 1412-1424.	9.8	323
3	Standardized evaluation methodology and reference database for evaluating coronary artery centerline extraction algorithms. Medical Image Analysis, 2009, 13, 701-714.	11.6	295
4	Accurate subpixel edge location based on partial area effect. Image and Vision Computing, 2013, 31, 72-90.	4.5	186
5	Noise-Driven Anisotropic Diffusion Filtering of MRI. IEEE Transactions on Image Processing, 2009, 18, 2265-2274.	9.8	174
6	Flux-based anisotropic diffusion applied to enhancement of 3-D angiogram. IEEE Transactions on Medical Imaging, 2002, 21, 1440-1442.	8.9	75
7	Evaluation framework for carotid bifurcation lumen segmentation and stenosis grading. Medical Image Analysis, 2011, 15, 477-488.	11.6	70
8	Segmentation and reconstruction of vascular structures for 3D real-time simulation. Medical Image Analysis, 2011, 15, 22-34.	11.6	49
9	Directional anisotropic diffusion applied to segmentation of vessels in 3D images. Lecture Notes in Computer Science, 1997, , 345-348.	1.3	34
10	Adaptive noise-reducing anisotropic diffusion filter. Neural Computing and Applications, 2016, 27, 1273-1300.	5.6	33
11	Semi-automatic segmentation and detection of aorta dissection wall in MDCT angiography. Medical Image Analysis, 2014, 18, 83-102.	11.6	27
12	Fast sub-voxel re-initialization of the distance map for level set methods. Pattern Recognition Letters, 2005, 26, 1532-1542.	4.2	24
13	A Segmentation and Reconstruction Technique for 3D Vascular Structures. Lecture Notes in Computer Science, 2005, 8, 43-50.	1.3	21
14	Automatic Extraction of Blood Vessels in the Retinal Vascular Tree Using Multiscale Medialness. International Journal of Biomedical Imaging, 2015, 2015, 1-16.	3.9	21
15	A new energy-based method for 3D motion estimation of incompressible PIV flows. Computer Vision and Image Understanding, 2009, 113, 802-810.	4.7	14
16	Variational second order flow estimation for PIV sequences. Experiments in Fluids, 2008, 44, 291-304.	2.4	13
17	An automated vessel segmentation of retinal images using multiscale vesselness. , 2011, , .		13
18	Minimally Interactive Knowledge-based Coronary Tracking in CTA using a Minimal Cost Path. , 2008, , .		11

#	ARTICLE	IF	CITATIONS
19	A Minimal Cost Path and Level Set Evolution Approach for Carotid Bifurcation Segmentation. , 2009, , .		9
20	A method for the analysis of the geometrical relationship between white matter pathology and the vascular architecture of the brain. NeuroImage, 2004, 22, 1671-1678.	4.2	7
21	Evaluation of a semi-automatic segmentation algorithm in 3D intraoperative ultrasound brain angiography. Biomedizinische Technik, 2013, 58, 293-302.	0.8	5
22	Restoration of retinal images using anisotropic diffusion like algorithms. , 2012, , .		3
23	Comparison of Two Restoration Techniques in the Context of 3D Medical Imaging. Lecture Notes in Computer Science, 2001, , 1031-1039.	1.3	3
24	TECHNIQUES IN THE ENHANCEMENT OF 3D ANGIOGRAMS AND THEIR APPLICATIONS. , 2005, , 359-396.		3
25	<title>Automatic and accurate measurement of a cross-sectional area of vessels in 3D x-ray angiography images</title>. , 2000, 3979, 676.		2
26	A Variational Approach for 3D Motion Estimation of Incompressible PIV Flows. , 2007, , 837-847.		2
27	Smooth vasculature reconstruction with circular and elliptic cross sections. Studies in Health Technology and Informatics, 2006, 119, 273-8.	0.3	1
28	Analysis of geometrical relations between multiple sclerosis lesions and brain vasculature. , 2004, , .		0