Chenyang Xu

List of Publications by Year
in descending order

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23 papers	7,256 citations	840119 11 h-index	1058022 14 g-index
23 all docs	23 docs citations	23 times ranked	5858 citing authors

#	Article	IF	Citations
1	Gradient Vector Flow. , 2021, , 540-546.		1
2	Gradient Vector Flow. , 2020, , 1-8.		5
3	Gradient Vector Flow. , 2014, , 349-354.		26
4	A Moving Grid Framework for Geometric Deformable Models. International Journal of Computer Vision, 2009, 84, 63-79.	10.9	6
5	Intensity statistics-based HSI diffusion for color photo denoising. , 2008, , .		0
6	A Computational Framework for the Statistical Analysis of Cardiac Diffusion Tensors: Application to a Small Database of Canine Hearts. IEEE Transactions on Medical Imaging, 2007, 26, 1500-1514.	5.4	117
7	Statistical Comparison of Cardiac Fibre Architectures. , 2007, , 413-423.		6
8	Towards a Statistical Atlas of Cardiac Fiber Structure. Lecture Notes in Computer Science, 2006, 9, 297-304.	1.0	11
9	CRUISE: Cortical reconstruction using implicit surface evolution. NeuroImage, 2004, 23, 997-1012.	2.1	239
10	Cortical surface segmentation and mapping. NeuroImage, 2004, 23, S108-S118.	2.1	64
11	Topology Preserving Geometric Deformable Models for Brain Reconstruction. , 2003, , 421-438.		2
12	Topology preserving level set method for geometric deformable models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 755-768.	9.7	402
13	Topology correction in brain cortex segmentation using a multiscale, graph-based algorithm. IEEE Transactions on Medical Imaging, 2002, 21, 109-121.	5.4	114
14	New approaches for measuring changes in the cortical surface using an automatic reconstruction algorithm. , 2002, , .		0
15	Automated Sulcal Segmentation Using Watersheds on the Cortical Surface. NeuroImage, 2002, 15, 329-344.	2.1	145
16	Graph-Based Topology Correction for Brain Cortex Segmentation. Lecture Notes in Computer Science, 2001, , 395-401.	1.0	7
17	Gradient Vector Flow Deformable Models. , 2000, , 159-169.		45
18	Current Methods in Medical Image Segmentation. Annual Review of Biomedical Engineering, 2000, 2, 315-337.	5.7	1,820

#	Article	IF	Citations
19	Generalized gradient vector flow external forces for active contours. Signal Processing, 1998, 71, 131-139.	2.1	596
20	Snakes, shapes, and gradient vector flow. IEEE Transactions on Image Processing, 1998, 7, 359-369.	6.0	3,292
21	Reconstruction of the central layer of the human cerebral cortex from MR images. Lecture Notes in Computer Science, 1998, , 481-488.	1.0	16
22	An Automated Technique for Statistical Characterization of Brain Tissues in Magnetic Resonance Imaging. International Journal of Pattern Recognition and Artificial Intelligence, 1997, 11, 1189-1211.	0.7	44
23	Gradient vector flow: a new external force for snakes. , 0, , .		298