Xiang-Yun Liao

List of Publications by Year
in descending order

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26	422	1040056 9	752698 20
papers	citations	h-index	g-index

26	26	26	586
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of algorithms for Multi-Modality Whole Heart Segmentation: An open-access grand challenge. Medical Image Analysis, 2019, 58, 101537.	11.6	180
2	RIANet: Recurrent interleaved attention network for cardiac MRI segmentation. Computers in Biology and Medicine, 2019, 109, 290-302.	7.0	35
3	MMTLNet: Multi-Modality Transfer Learning Network with adversarial training for 3D whole heart segmentation. Computerized Medical Imaging and Graphics, 2020, 85, 101785.	5.8	30
4	Mixed Reality Guided Radiofrequency Needle Placement: A Pilot Study. IEEE Access, 2018, 6, 31493-31502.	4.2	27
5	Magnetic Levitation Haptic Augmentation for Virtual Tissue Stiffness Perception. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 3123-3136.	4.4	25
6	Assessing performance of augmented reality-based neurosurgical training. Visual Computing for Industry, Biomedicine, and Art, 2019, 2, 6.	3.7	23
7	3D Deeply-Supervised U-Net Based Whole Heart Segmentation. Lecture Notes in Computer Science, 2018, , 224-232.	1.3	19
8	Sparse-to-Dense Multi-Encoder Shape Completion of Unstructured Point Cloud. IEEE Access, 2020, 8, 30969-30978.	4.2	15
9	Adaptive localised region and edgeâ€based active contour model using shape constraint and subâ€global information for uterine fibroid segmentation in ultrasoundâ€guided HIFU therapy. IET Image Processing, 2017, 11, 1142-1151.	2.5	11
10	Mixed reality based respiratory liver tumor puncture navigation. Computational Visual Media, 2019, 5, 363-374.	17.5	10
11	Multi-Scale and Shape Constrained Localized Region-Based Active Contour Segmentation of Uterine Fibroid Ultrasound Images in HIFU Therapy. PLoS ONE, 2014, 9, e103334.	2.5	9
12	Towards Interactive Progressive Cutting of Deformable Bodies via Phyxel-Associated Surface Mesh Approach for Virtual Surgery. IEEE Access, 2018, 6, 32286-32299.	4.2	5
13	Edge-Learning-Enabled Realistic Touch and Stable Communication for Remote Haptic Display. IEEE Network, 2021, 35, 141-147.	6.9	5
14	Single-Image Super-Resolution Neural Network via Hybrid Multi-Scale Features. Mathematics, 2022, 10, 653.	2.2	5
15	Parallel computing of 3D smoking simulation based on OpenCL heterogeneous platform. Journal of Supercomputing, 2012, 61, 84-102.	3.6	4
16	A novel magnetic levitation haptic device for augmentation of tissue stiffness perception. , 2016, , .		4
17	APCP-NET: Aggregated Parallel Cross-Scale Pyramid Network for CMR Segmentation. , 2019, , .		4
18	Versatile numerical fractures removal for SPH-based free surface liquids. Computers and Graphics, 2019, 81, 1-8.	2.5	3

#	Article	IF	Citations
19	A Novel Nonlinear Parameter Estimation Method of Soft Tissues. Genomics, Proteomics and Bioinformatics, 2017, 15, 371-380.	6.9	2
20	Versatile cutting fracture evolution modeling for deformable object cutting simulation. Computer Methods and Programs in Biomedicine, 2022, 219, 106749.	4.7	2
21	An energy-based free boundary asynchronous diffusion model for 3D warping of tissue dynamics. Journal of Statistical Computation and Simulation, 2014, 84, 1280-1296.	1.2	1
22	GPU-assisted energy asynchronous diffusion parallel computing model for soft tissue deformation simulation. Simulation, 2014, 90, 1199-1208.	1.8	1
23	Thin-Feature-Aware Transport-Velocity Formulation for SPH-Based Liquid Animation. IEEE Transactions on Multimedia, 2018, 20, 3033-3044.	7.2	1
24	Haptics and virtual reality for oral and maxillofacial surgery. , 2021, , 141-159.		1
25	Modeling and Predicting Tissue Movement and Deformation for High Intensity Focused Ultrasound Therapy. PLoS ONE, 2015, 10, e0127873.	2.5	0
26	Periodic-corrected data-driven coupling of blood flow and the vessel wall for virtual surgery. Simulation, 2020, 96, 449-458.	1.8	0