

Danni Ai

List of Publications by Year in descending order

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papers

536
citations

758635

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all docs

67
docs citations

67
times ranked

557
citing authors

#	ARTICLE	IF	CITATIONS
1	Multichannel Fully Convolutional Network for Coronary Artery Segmentation in X-Ray Angiograms. IEEE Access, 2018, 6, 44635-44643.	2.6	53
2	Automatic Deep Feature Learning via Patch-Based Deep Belief Network for Vertebrae Segmentation in CT Images. Applied Sciences (Switzerland), 2019, 9, 69.	1.3	46
3	Augmented reality based real-time subcutaneous vein imaging system. Biomedical Optics Express, 2016, 7, 2565.	1.5	44
4	Registration and fusion quantification of augmented reality based nasal endoscopic surgery. Medical Image Analysis, 2017, 42, 241-256.	7.0	41
5	Phase unwrapping based on a residual en-decoder network for phase images in Fourier domain Doppler optical coherence tomography. Biomedical Optics Express, 2020, 11, 1760.	1.5	24
6	Stenosis-DetNet: Sequence consistency-based stenosis detection for X-ray coronary angiography. Computerized Medical Imaging and Graphics, 2021, 89, 101900.	3.5	19
7	Automatic liver segmentation based on appearance and context information. BioMedical Engineering OnLine, 2017, 16, 16.	1.3	17
8	Local incompressible registration for liver ablation surgery assessment. Medical Physics, 2017, 44, 5873-5888.	1.6	16
9	Perception enhancement using importance-driven hybrid rendering for augmented reality based endoscopic surgical navigation. Biomedical Optics Express, 2018, 9, 5205.	1.5	16
10	Feature Learning Based Random Walk for Liver Segmentation. PLoS ONE, 2016, 11, e0164098.	1.1	16
11	Adaptive Mesh Expansion Model (AMEM) for Liver Segmentation from CT Image. PLoS ONE, 2015, 10, e0118064.	1.1	15
12	Topology Optimization Using Multiple-Possibility Fusion for Vasculature Extraction. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 442-456.	5.6	14
13	Endoscopic image feature matching via motion consensus and global bilateral regression. Computer Methods and Programs in Biomedicine, 2020, 190, 105370.	2.6	11
14	Iterative closest graph matching for non-rigid 3D/2D coronary arteries registration. Computer Methods and Programs in Biomedicine, 2021, 199, 105901.	2.6	11
15	Global Patch Matching (GPM) for freehand 3D ultrasound reconstruction. BioMedical Engineering OnLine, 2017, 16, 124.	1.3	10
16	Nonrigid registration for tracking incompressible soft tissues with sliding motion. Medical Physics, 2019, 46, 4923-4939.	1.6	10
17	Accurate measurement of granary stockpile volume based on fast registration of multi-station scans. Remote Sensing Letters, 2018, 9, 569-577.	0.6	9
18	Multiresolution Cube Propagation for 3-D Ultrasound Image Reconstruction. IEEE Transactions on Computational Imaging, 2019, 5, 251-261.	2.6	9

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19	Patch-Based Adaptive Background Subtraction for Vascular Enhancement in X-Ray Cineangiograms. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2563-2575.	3.9	9
20	Adaptive Tensor-Based Principal Component Analysis for Low-Dose CT Image Denoising. PLoS ONE, 2015, 10, e0126914.	1.1	8
21	Spatio-Temporal Constrained Online Layer Separation for Vascular Enhancement in X-Ray Angiographic Image Sequence. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3558-3570.	5.6	8
22	Feasibility of Augmented Reality-Guided Transjugular Intrahepatic Portosystemic Shunt. Journal of Vascular and Interventional Radiology, 2020, 31, 2098-2103.	0.2	8
23	Four-Dimensional Wide-Field Ultrasound Reconstruction System With Sparse Respiratory Signal Matching. IEEE Transactions on Computational Imaging, 2021, 7, 234-247.	2.6	8
24	Calibrating 3D Scanner in the Coordinate System of Optical Tracker for Image-To-Patient Registration. Frontiers in Neurorobotics, 2021, 15, 636772.	1.6	8
25	Epidemiological and numerical simulation of rabies spreading from canines to various human populations in mainland China. PLoS Neglected Tropical Diseases, 2021, 15, e0009527.	1.3	8
26	Adaptive Ridge Point Refinement for Seeds Detection in X-Ray Coronary Angiogram. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-10.	0.7	7
27	Sparse deformation prediction using Markov Decision Processes (MDP) for Non-rigid registration of MR image. Computer Methods and Programs in Biomedicine, 2018, 162, 47-59.	2.6	6
28	Quantitation of Vascular Morphology by Directed Graph Construction. IEEE Access, 2019, 7, 21609-21622.	2.6	6
29	Deep feature descriptor based hierarchical dense matching for X-ray angiographic images. Computer Methods and Programs in Biomedicine, 2019, 175, 233-242.	2.6	5
30	Local-global active contour model based on tensor-based representation for 3D ultrasound vessel segmentation. Physics in Medicine and Biology, 2021, 66, 115017.	1.6	5
31	PET Index of Bone Glucose Metabolism (PIBGM) Classification of PET/CT Data for Fever of Unknown Origin Diagnosis. PLoS ONE, 2015, 10, e0130173.	1.1	5
32	Dial/Hybrid Cascade 3DResUNet for Liver and Tumor Segmentation. , 2020, , .		5
33	Recursive Centerline- and Direction-Aware Joint Learning Network with Ensemble Strategy for Vessel Segmentation in X-ray Angiography Images. Computer Methods and Programs in Biomedicine, 2022, 220, 106787.	2.6	5
34	Geometrical force constraint method for vessel and x-ray angiogram simulation. Journal of X-Ray Science and Technology, 2016, 24, 87-106.	0.7	4
35	Convex hull matching and hierarchical decomposition for multimodality medical image registration. Journal of X-Ray Science and Technology, 2015, 23, 253-265.	0.7	3
36	Multiple Features Decomposition for Subcutaneous Vein Extraction and Measurement. IEEE Access, 2018, 6, 11265-11277.	2.6	3

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37	Multiple Classifier Fusion and Optimization for Automatic Focal Cortical Dysplasia Detection on Magnetic Resonance Images. IEEE Access, 2018, 6, 73786-73801.	2.6	3
38	Endoscopic Image Colorization Using Convolutional Neural Network. , 2019, , .		3
39	Groupwise registration with global-local graph shrinkage in atlas construction. Medical Image Analysis, 2020, 64, 101711.	7.0	3
40	Anterior Mediastinal Lesion Segmentation Based on Two-Stage 3D ResUNet With Attention Gates and Lung Segmentation. Frontiers in Oncology, 2020, 10, 618357.	1.3	3
41	Homography-based robust pose compensation and fusion imaging for augmented reality based endoscopic navigation system. Computers in Biology and Medicine, 2021, 138, 104864.	3.9	3
42	Feature matching for texture-less endoscopy images via superpixel vector field consistency. Biomedical Optics Express, 2022, 13, 2247.	1.5	3
43	CC-DenseUNet: Densely Connected U-Net with Criss-Cross Attention for Liver and Tumor Segmentation in CT Volumes. , 2021, , .		3
44	Endoscopy image enhancement method by generalized imaging defect models based adversarial training. Physics in Medicine and Biology, 2022, 67, 095016.	1.6	3
45	Hybrid constraint optimization for 3D subcutaneous vein reconstruction by near-infrared images. Computer Methods and Programs in Biomedicine, 2018, 163, 123-133.	2.6	2
46	Inter/intra-frame constrained vascular segmentation in X-ray angiographic image sequence. BMC Medical Informatics and Decision Making, 2019, 19, 270.	1.5	2
47	Motion-flow-guided recurrent network for respiratory signal estimation of x-ray angiographic image sequences. Physics in Medicine and Biology, 2020, 65, 245020.	1.6	2
48	Ordered multi-path propagation for vessel centerline extraction. Physics in Medicine and Biology, 2021, 66, 155004.	1.6	2
49	An optimal ablation time prediction model based on minimizing the relapse risk. Computer Methods and Programs in Biomedicine, 2021, 212, 106438.	2.6	2
50	Short-Term Impacts of Meteorology, Air Pollution, and Internet Search Data on Viral Diarrhea Infection among Children in Jilin Province, China. International Journal of Environmental Research and Public Health, 2021, 18, 11615.	1.2	2
51	Quantification of osteoarticular joint defects through bone segmentation and modeling. Bio-Medical Materials and Engineering, 2014, 24, 3471-3478.	0.4	1
52	Cooperative Three-View Imaging Optical Coherence Tomography for Intraoperative Vascular Evaluation. Applied Sciences (Switzerland), 2018, 8, 1551.	1.3	1
53	Unbiased groupwise registration for shape prediction of foot scans. Medical and Biological Engineering and Computing, 2019, 57, 1985-1998.	1.6	1
54	Monte Carlo Tree Search for 3D/2D Registration of Vessel Graphs. , 2019, , .		1

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55	Quantitative analysis of bony birth canal for periacetabular osteotomy patient by template fitting. Physics in Medicine and Biology, 2021, 66, 025007.	1.6	1
56	Multiple feature-based portal vein classification for liver segment extraction. Medical Physics, 2021, 48, 2354-2373.	1.6	1
57	Locality Preserving based Motion Consensus for Endoscopic Image Feature Matching. , 2020, , .		1
58	Quantitative Analysis of Deformable Model based 3-D Reconstruction of Coronary Artery from Multiple Angiograms. IEEE Transactions on Biomedical Engineering, 2014, , 1-1.	2.5	1
59	Cerebral vascular enhancement using a weighted 3D symmetry filter. , 2017, , .		0
60	Multi-layer cube sampling for liver boundary detection in PET-CT images. Australasian Physical and Engineering Sciences in Medicine, 2018, 41, 495-505.	1.4	0
61	A Structural Saliency-Based Approach for Automatic Intrahepatic Vascular Separation From Contrast-Enhanced Multi-Phase MR Images. , 2021, , .		0
62	Stenosis Detection of X-Ray Coronary Angiographic Image Sequence. , 2021, , .		0
63	A General Endoscopic Image Enhancement Method Based on Pre-trained Generative Adversarial Networks. , 2020, , .		0
64	Automatic Localization and Classification of Coronary Artery Plaques from Cardiac CTA with A Boundary-Constrained 3D Fully Convolutional Network. , 2021, , .		0
65	Feature Descriptor Learning Based on Sparse Feature Matching. , 2021, , .		0