

Danni Ai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3489474/publications.pdf>

Version: 2024-02-01

65
papers

536
citations

758635

12
h-index

752256

20
g-index

67
all docs

67
docs citations

67
times ranked

557
citing authors

#	ARTICLE	IF	CITATIONS
1	Feature matching for texture-less endoscopy images via superpixel vector field consistency. Biomedical Optics Express, 2022, 13, 2247.	1.5	3
2	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
3	Endoscopy image enhancement method by generalized imaging defect models based adversarial training. Physics in Medicine and Biology, 2022, 67, 095016.	1.6	3
4	Iterative closest graph matching for non-rigid 3D/2D coronary arteries registration. Computer Methods and Programs in Biomedicine, 2021, 199, 105901.	2.6	11
5	Quantitative analysis of bony birth canal for periacetabular osteotomy patient by template fitting. Physics in Medicine and Biology, 2021, 66, 025007.	1.6	1
6	Four-Dimensional Wide-Field Ultrasound Reconstruction System With Sparse Respiratory Signal Matching. IEEE Transactions on Computational Imaging, 2021, 7, 234-247.	2.6	8
7	Multiple feature-based portal vein classification for liver segment extraction. Medical Physics, 2021, 48, 2354-2373.	1.6	1
8	Stenosis-DetNet: Sequence consistency-based stenosis detection for X-ray coronary angiography. Computerized Medical Imaging and Graphics, 2021, 89, 101900.	3.5	19
9	A Structural Saliency-Based Approach for Automatic Intrahepatic Vascular Separation From Contrast-Enhanced Multi-Phase MR Images. , 2021, , .		0
10	Stenosis Detection of X-Ray Coronary Angiographic Image Sequence. , 2021, , .		0
11	Calibrating 3D Scanner in the Coordinate System of Optical Tracker for Image-To-Patient Registration. Frontiers in Neurorobotics, 2021, 15, 636772.	1.6	8
12	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
13	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
14	Ordered multi-path propagation for vessel centerline extraction. Physics in Medicine and Biology, 2021, 66, 155004.	1.6	2
15	An optimal ablation time prediction model based on minimizing the relapse risk. Computer Methods and Programs in Biomedicine, 2021, 212, 106438.	2.6	2
16	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
17	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
18	Automatic Localization and Classification of Coronary Artery Plaques from Cardiac CTA with A Boundary-Constrained 3D Fully Convolutional Network. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Feature Descriptor Learning Based on Sparse Feature Matching. , 2021, , .		0
20	CC-DenseUNet: Densely Connected U-Net with Criss-Cross Attention for Liver and Tumor Segmentation in CT Volumes. , 2021, , .		3
21	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
22	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
23	Feasibility of Augmented Realityâ€œGuided Transjugular Intrahepatic Portosystemic Shunt. Journal of Vascular and Interventional Radiology, 2020, 31, 2098-2103.	0.2	8
24	Groupwise registration with global-local graph shrinkage in atlas construction. Medical Image Analysis, 2020, 64, 101711.	7.0	3
25	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
26	Endoscopic image feature matching via motion consensus and global bilateral regression. Computer Methods and Programs in Biomedicine, 2020, 190, 105370.	2.6	11
27	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
28	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
29	Dial/Hybrid Cascade 3DResUNet for Liver and Tumor Segmentation. , 2020, , .		5
30	Locality Preserving based Motion Consensus for Endoscopic Image Feature Matching. , 2020, , .		1
31	A General Endoscopic Image Enhancement Method Based on Pre-trained Generative Adversarial Networks. , 2020, , .		0
32	Unbiased groupwise registration for shape prediction of foot scans. Medical and Biological Engineering and Computing, 2019, 57, 1985-1998.	1.6	1
33	Nonrigid registration for tracking incompressible soft tissues with sliding motion. Medical Physics, 2019, 46, 4923-4939.	1.6	10
34	Multiresolution Cube Propagation for 3-D Ultrasound Image Reconstruction. IEEE Transactions on Computational Imaging, 2019, 5, 251-261.	2.6	9
35	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
36	Quantitation of Vascular Morphology by Directed Graph Construction. IEEE Access, 2019, 7, 21609-21622.	2.6	6

#	ARTICLE	IF	CITATIONS
37	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
38	Monte Carlo Tree Search for 3D/2D Registration of Vessel Graphs. , 2019, , .		1
39	Inter/intra-frame constrained vascular segmentation in X-ray angiographic image sequence. BMC Medical Informatics and Decision Making, 2019, 19, 270.	1.5	2
40	Endoscopic Image Colorization Using Convolutional Neural Network. , 2019, , .		3
41	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
42	Multiple Features Decomposition for Subcutaneous Vein Extraction and Measurement. IEEE Access, 2018, 6, 11265-11277.	2.6	3
43	Accurate measurement of granary stockpile volume based on fast registration of multi-station scans. Remote Sensing Letters, 2018, 9, 569-577.	0.6	9
44	Cooperative Three-View Imaging Optical Coherence Tomography for Intraoperative Vascular Evaluation. Applied Sciences (Switzerland), 2018, 8, 1551.	1.3	1
45	Multiple Classifier Fusion and Optimization for Automatic Focal Cortical Dysplasia Detection on Magnetic Resonance Images. IEEE Access, 2018, 6, 73786-73801.	2.6	3
46	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
47	Sparse deformation prediction using Markove Decision Processes (MDP) for Non-rigid registration of MR image. Computer Methods and Programs in Biomedicine, 2018, 162, 47-59.	2.6	6
48	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
49	Multichannel Fully Convolutional Network for Coronary Artery Segmentation in X-Ray Angiograms. IEEE Access, 2018, 6, 44635-44643.	2.6	53
50	Perception enhancement using importance-driven hybrid rendering for augmented reality based endoscopic surgical navigation. Biomedical Optics Express, 2018, 9, 5205.	1.5	16
51	Local incompressible registration for liver ablation surgery assessment. Medical Physics, 2017, 44, 5873-5888.	1.6	16
52	Registration and fusion quantification of augmented reality based nasal endoscopic surgery. Medical Image Analysis, 2017, 42, 241-256.	7.0	41
53	Cerebral vascular enhancement using a weighted 3D symmetry filter. , 2017, , .		0
54	Automatic liver segmentation based on appearance and context information. BioMedical Engineering OnLine, 2017, 16, 16.	1.3	17

#	ARTICLE	IF	CITATIONS
55	Global Patch Matching (GPM) for freehand 3D ultrasound reconstruction. BioMedical Engineering OnLine, 2017, 16, 124.	1.3	10
56	Augmented reality based real-time subcutaneous vein imaging system. Biomedical Optics Express, 2016, 7, 2565.	1.5	44
57	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
58	Feature Learning Based Random Walk for Liver Segmentation. PLoS ONE, 2016, 11, e0164098.	1.1	16
59	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
60	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
61	Adaptive Tensor-Based Principal Component Analysis for Low-Dose CT Image Denoising. PLoS ONE, 2015, 10, e0126914.	1.1	8
62	Adaptive Mesh Expansion Model (AMEM) for Liver Segmentation from CT Image. PLoS ONE, 2015, 10, e0118064.	1.1	15
63	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
64	Quantification of osteoarticular joint defects through bone segmentation and modeling. Bio-Medical Materials and Engineering, 2014, 24, 3471-3478.	0.4	1
65	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