Jingfan Fan

List of Publications by Year
in descending order

68	1,095	516215 16	433756 31
papers	citations	h-index	g-index

69	69	69	1202
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	BIRNet: Brain image registration using dual-supervised fully convolutional networks. Medical Image Analysis, 2019, 54, 193-206.	7.0	199
2	Adversarial learning for mono- or multi-modal registration. Medical Image Analysis, 2019, 58, 101545.	7.0	100
3	Local statistics and non-local mean filter for speckle noise reduction in medical ultrasound image. Neurocomputing, 2016, 195, 88-95.	3.5	82
4	Adversarial Similarity Network for Evaluating Image Alignment in Deep Learning Based Registration. Lecture Notes in Computer Science, 2018, 11070, 739-746.	1.0	63
5	Semi-supervised segmentation of lesion from breast ultrasound images with attentional generative adversarial network. Computer Methods and Programs in Biomedicine, 2020, 189, 105275.	2.6	59
6	Multichannel Fully Convolutional Network for Coronary Artery Segmentation in X-Ray Angiograms. IEEE Access, 2018, 6, 44635-44643.	2.6	53
7	Brain MR image denoising for Rician noise using pre-smooth non-local means filter. BioMedical Engineering OnLine, 2015, 14, 2.	1.3	45
8	Augmented reality based real-time subcutaneous vein imaging system. Biomedical Optics Express, 2016, 7, 2565.	1.5	44
9	Convex hull indexed Gaussian mixture model (CH-GMM) for 3D point set registration. Pattern Recognition, 2016, 59, 126-141.	5.1	39
10	External force back-projective composition and globally deformable optimization for 3-D coronary artery reconstruction. Physics in Medicine and Biology, 2014, 59, 975-1003.	1.6	30
11	Fast multi-scale feature fusion for ECG heartbeat classification. Eurasip Journal on Advances in Signal Processing, 2015, 2015, .	1.0	26
12	Correlation Between Mammographic Radiomics Features and the Level of Tumor-Infiltrating Lymphocytes in Patients With Triple-Negative Breast Cancer. Frontiers in Oncology, 2020, 10, 412.	1.3	24
13	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
14	Stenosis-DetNet: Sequence consistency-based stenosis detection for X-ray coronary angiography. Computerized Medical Imaging and Graphics, 2021, 89, 101900.	3.5	19
15	Difficulty-aware hierarchical convolutional neural networks for deformable registration of brain MR images. Medical Image Analysis, 2021, 67, 101817.	7.0	18
16	3-Points Convex Hull Matching (3PCHM) for fast and robust point set registration. Neurocomputing, 2016, 194, 227-240.	3.5	17
17	Retinal Vessel Segmentation Using Supervised Classification Based on Multi-Scale Vessel Filtering and Gabor Wavelet. Journal of Medical Imaging and Health Informatics, 2015, 5, 1571-1574.	0.2	16
18	Convex Hull Aided Registration Method (CHARM). IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 2042-2055.	2.9	15

#	Article	IF	Citations
19	Predicting the Level of Tumor-Infiltrating Lymphocytes in Patients With Breast Cancer: Usefulness of Mammographic Radiomics Features. Frontiers in Oncology, 2021, 11, 628577.	1.3	13
20	Shape context and projection geometry constrained vasculature matching for 3D reconstruction of coronary artery. Neurocomputing, 2016, 195, 65-73.	3.5	11
21	Deep Learning Deformation Initialization for Rapid Groupwise Registration of Inhomogeneous Image Populations. Frontiers in Neuroinformatics, 2019, 13, 34.	1.3	11
22	Iterative closest graph matching for non-rigid 3D/2D coronary arteries registration. Computer Methods and Programs in Biomedicine, 2021, 199, 105901.	2.6	11
23	Multi-level feature aggregation network for instrument identification of endoscopic images. Physics in Medicine and Biology, 2020, 65, 165004.	1.6	10
24	Accurate measurement of granary stockpile volume based on fast registration of multi-station scans. Remote Sensing Letters, 2018, 9, 569-577.	0.6	9
25	Heuristic tree searching for pose-independent 3D/2D rigid registration of vessel structures. Physics in Medicine and Biology, 2020, 65, 055010.	1.6	9
26	Augmented reality calibration using feature triangulation iteration-based registration for surgical navigation. Computers in Biology and Medicine, 2022, 148, 105826.	3.9	9
27	Denoising filters evaluation for magnetic resonance images. Optik, 2015, 126, 3844-3850.	1.4	8
28	Adaptive Tensor-Based Principal Component Analysis for Low-Dose CT Image Denoising. PLoS ONE, 2015, 10, e0126914.	1.1	8
29	Feasibility of Augmented Realityâ€“Guided Transjugular Intrahepatic Portosystemic Shunt. Journal of Vascular and Interventional Radiology, 2020, 31, 2098-2103.	0.2	8
30	Four-Dimensional Wide-Field Ultrasound Reconstruction System With Sparse Respiratory Signal Matching. IEEE Transactions on Computational Imaging, 2021, 7, 234-247.	2.6	8
31	Calibrating 3D Scanner in the Coordinate System of Optical Tracker for Image-To-Patient Registration. Frontiers in Neurorobotics, 2021, 15, 636772.	1.6	8
32	Fusion Siamese network with drift correction for target tracking in ultrasound sequences. Physics in Medicine and Biology, 2022, 67, 045018.	1.6	8
33	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
34	Portal Vein and Hepatic Vein Segmentation in Multi-Phase MR Images Using Flow-Guided Change Detection. IEEE Transactions on Image Processing, 2022, 31, 2503-2517.	6.0	7
35	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
36	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

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37	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
38	Dial/Hybrid Cascade 3DResUNet for Liver and Tumor Segmentation. , 2020, , .		5
39	Augmented reality navigation with real-time tracking for facial repair surgery. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 981-991.	1.7	5
40	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
41	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
42	Hole-filling based on content loss indexed 3D partial convolution network for freehand ultrasound reconstruction. Computer Methods and Programs in Biomedicine, 2021, 211, 106421.	2.6	4
43	Rigid registration of 3-D medical image using convex hull matching. , 2013, , .		3
44	Multiresolution generalized N dimension PCA for ultrasound image denoising. BioMedical Engineering OnLine, 2014, 13, 112.	1.3	3
45	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
46	Multiple Features Decomposition for Subcutaneous Vein Extraction and Measurement. IEEE Access, 2018, 6, 11265-11277.	2.6	3
47	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
48	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
49	Feature matching for texture-less endoscopy images via superpixel vector field consistency. Biomedical Optics Express, 2022, 13, 2247.	1.5	3
50	CC-DenseUNet: Densely Connected U-Net with Criss-Cross Attention for Liver and Tumor Segmentation in CT Volumes. , 2021, , .		3
51	Endoscopy image enhancement method by generalized imaging defect models based adversarial training. Physics in Medicine and Biology, 2022, 67, 095016.	1.6	3
52	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
53	Ordered multi-path propagation for vessel centerline extraction. Physics in Medicine and Biology, 2021, 66, 155004.	1.6	2
54	An optimal ablation time prediction model based on minimizing the relapse risk. Computer Methods and Programs in Biomedicine, 2021, 212, 106438.	2.6	2

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55	Unbiased groupwise registration for shape prediction of foot scans. Medical and Biological Engineering and Computing, 2019, 57, 1985-1998.	1.6	1
56	Monte Carlo Tree Search for 3D/2D Registration of Vessel Graphs. , 2019, , .		1
57	Quantitative analysis of bony birth canal for periacetabular osteotomy patient by template fitting. Physics in Medicine and Biology, 2021, 66, 025007.	1.6	1
58	Multiple featureâ€based portal vein classification for liver segment extraction. Medical Physics, 2021, 48, 2354-2373.	1.6	1
59	Locality Preserving based Motion Consensus for Endoscopic Image Feature Matching. , 2020, , .		1
60	iMSTK-based Microwave Ablation Training System for Liver Tumors. , 2022, , .		1
61	Nonrigid Registration of Monomodal MRI Using Linear Viscoelastic Model. Abstract and Applied Analysis, 2014, 2014, 1-8.	0.3	0
62	Kinect based real-time position calibration for nasal endoscopic surgical navigation system. , 2016, , .		0
63	Towards Personalized Deformable and Mix-supervised Model for Robust MR-US Registration. , 2019, , .		0
64	A Structural Saliency-Based Approach for Automatic Intrahepatic Vascular Separation From Contrast-Enhanced Multi-Phase MR Images. , 2021, , .		0
65	Venous Tree Separation based on Local Feature. , 2020, , .		0
66	A General Endoscopic Image Enhancement Method Based on Pre-trained Generative Adversarial Networks. , 2020, , .		0
67	Automatic Localization and Classification of Coronary Artery Plaques from Cardiac CTA with A Boundary-Constrained 3D Fully Convolutional Network. , 2021, , .		0
68	An Optical Tracking System with Defaced Marker Detection. , 2021, , .		0