

Jian Yang

List of Publications by Year in descending order

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172
papers

3,501
citations

172457
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168389
53
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173
all docs

173
docs citations

173
times ranked

3714
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Few-Shot Learning for Deformable Medical Image Registration With Perception-Correspondence Decoupling and Reverse Teaching. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1177-1187. | 6.3 | 15 |
| 2 | MVSGAN: Spatial-Aware Multi-View CMR Fusion for Accurate 3D Left Ventricular Myocardium Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2264-2275. | 6.3 | 3 |
| 3 | Feature matching for texture-less endoscopy images via superpixel vector field consistency. Biomedical Optics Express, 2022, 13, 2247. | 2.9 | 3 |
| 4 | Fusion Siamese network with drift correction for target tracking in ultrasound sequences. Physics in Medicine and Biology, 2022, 67, 045018. | 3.0 | 8 |
| 5 | 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. | 9.8 | 7 |
| 6 | Augmented reality navigation with real-time tracking for facial repair surgery. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 981-991. | 2.8 | 5 |
| 7 | 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. | 4.7 | 5 |
| 8 | Endoscopy image enhancement method by generalized imaging defect models based adversarial training. Physics in Medicine and Biology, 2022, 67, 095016. | 3.0 | 3 |
| 9 | An Optoelectronic thermometer based on microscale infrared-to-visible conversion devices. Light: Science and Applications, 2022, 11, 130. | 16.6 | 22 |
| 10 | iMSTK-based Microwave Ablation Training System for Liver Tumors. , 2022, , . | | 1 |
| 11 | Emerging Optoelectronic Devices Based on Microscale LEDs and Their Use as Implantable Biomedical Applications. Micromachines, 2022, 13, 1069. | 2.9 | 3 |
| 12 | Augmented reality calibration using feature triangulation iteration-based registration for surgical navigation. Computers in Biology and Medicine, 2022, 148, 105826. | 7.0 | 9 |
| 13 | Divergence-Free Fitting-Based Incompressible Deformation Quantification of Liver. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 720-736. | 6.3 | 3 |
| 14 | Intrinsic layer based automatic specular reflection detection in endoscopic images. Computers in Biology and Medicine, 2021, 128, 104106. | 7.0 | 11 |
| 15 | Iterative closest graph matching for non-rigid 3D/2D coronary arteries registration. Computer Methods and Programs in Biomedicine, 2021, 199, 105901. | 4.7 | 11 |
| 16 | An automatic framework for endoscopic image restoration and enhancement. Applied Intelligence, 2021, 51, 1959-1971. | 5.3 | 12 |
| 17 | Quantitative analysis of bony birth canal for periacetabular osteotomy patient by template fitting. Physics in Medicine and Biology, 2021, 66, 025007. | 3.0 | 1 |
| 18 | Real-time navigation by three-dimensional virtual reconstruction models in robot-assisted laparoscopic pyeloplasty for ureteropelvic junction obstruction: our initial experience. Translational Andrology and Urology, 2021, 10, 125-133. | 1.4 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | An Overview of Abdominal Multi-organ Segmentation. <i>Current Bioinformatics</i> , 2021, 15, 866-877. | 1.5 | 2 |
| 20 | Four-Dimensional Wide-Field Ultrasound Reconstruction System With Sparse Respiratory Signal Matching. <i>IEEE Transactions on Computational Imaging</i> , 2021, 7, 234-247. | 4.4 | 8 |
| 21 | Monitoring perfusion and oxygen saturation in port-wine stains during vascular targeted photodynamic therapy. <i>Annals of Translational Medicine</i> , 2021, 9, 214-214. | 1.7 | 5 |
| 22 | Multiple feature-based portal vein classification for liver segment extraction. <i>Medical Physics</i> , 2021, 48, 2354-2373. | 3.0 | 1 |
| 23 | Stenosis-DetNet: Sequence consistency-based stenosis detection for X-ray coronary angiography. <i>Computerized Medical Imaging and Graphics</i> , 2021, 89, 101900. | 5.8 | 19 |
| 24 | A Structural Saliency-Based Approach for Automatic Intrahepatic Vascular Separation From Contrast-Enhanced Multi-Phase MR Images. , 2021, , . | | 0 |
| 25 | Stenosis Detection of X-Ray Coronary Angiographic Image Sequence. , 2021, , . | | 0 |
| 26 | 2D/3D US-TO-MRI RIGID REGISTRATION BY DEEP LEARNING. , 2021, , . | | 0 |
| 27 | Multi-view Clustering with Latent Low-rank Proxy Graph Learning. <i>Cognitive Computation</i> , 2021, 13, 1049-1060. | 5.2 | 8 |
| 28 | Calibrating 3D Scanner in the Coordinate System of Optical Tracker for Image-To-Patient Registration. <i>Frontiers in Neurorobotics</i> , 2021, 15, 636772. | 2.8 | 8 |
| 29 | Local-global active contour model based on tensor-based representation for 3D ultrasound vessel segmentation. <i>Physics in Medicine and Biology</i> , 2021, 66, 115017. | 3.0 | 5 |
| 30 | CuWO ₄ Nanodots for NIR-Induced Photodynamic and Chemodynamic Synergistic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22150-22158. | 8.0 | 34 |
| 31 | Epidemiological and numerical simulation of rabies spreading from canines to various human populations in mainland China. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009527. | 3.0 | 8 |
| 32 | Meta grayscale adaptive network for 3D integrated renal structures segmentation. <i>Medical Image Analysis</i> , 2021, 71, 102055. | 11.6 | 21 |
| 33 | Ordered multi-path propagation for vessel centerline extraction. <i>Physics in Medicine and Biology</i> , 2021, 66, 155004. | 3.0 | 2 |
| 34 | GSCFN: A graph self-construction and fusion network for semi-supervised brain tissue segmentation in MRI. <i>Neurocomputing</i> , 2021, 455, 23-37. | 5.9 | 7 |
| 35 | An optimal ablation time prediction model based on minimizing the relapse risk. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 212, 106438. | 4.7 | 2 |
| 36 | Homography-based robust pose compensation and fusion imaging for augmented reality based endoscopic navigation system. <i>Computers in Biology and Medicine</i> , 2021, 138, 104864. | 7.0 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Dissected aorta segmentation using convolutional neural networks. Computer Methods and Programs in Biomedicine, 2021, 211, 106417. | 4.7 | 7 |
| 38 | Hole-filling based on content loss indexed 3D partial convolution network for freehand ultrasound reconstruction. Computer Methods and Programs in Biomedicine, 2021, 211, 106421. | 4.7 | 4 |
| 39 | Optoelectronic sensing of biophysical and biochemical signals based on photon recycling of a micro-LED. Nano Research, 2021, 14, 3208-3213. | 10.4 | 9 |
| 40 | 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. | 2.6 | 2 |
| 41 | Automatic radiofrequency ablation planning for liver tumors. , 2021, , . | | 2 |
| 42 | CC-DenseUNet: Densely Connected U-Net with Criss-Cross Attention for Liver and Tumor Segmentation in CT Volumes. , 2021, , . | | 3 |
| 43 | An Optical Tracking System with Defaced Marker Detection. , 2021, , . | | 0 |
| 44 | Topology Optimization Using Multiple-Possibility Fusion for Vasculature Extraction. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 442-456. | 8.3 | 14 |
| 45 | Greedy Soft Matching for Vascular Tracking of Coronary Angiographic Image Sequences. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 1466-1480. | 8.3 | 15 |
| 46 | Prior information constrained alternating direction method of multipliers for longitudinal compressive sensing MR imaging. Neurocomputing, 2020, 376, 128-140. | 5.9 | 5 |
| 47 | Multimodal data revealed different neurobiological correlates of intelligence between males and females. Brain Imaging and Behavior, 2020, 14, 1979-1993. | 2.1 | 45 |
| 48 | 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. | 8.3 | 8 |
| 49 | Discriminative feature representation for Noisy image quality assessment. Multimedia Tools and Applications, 2020, 79, 7783-7809. | 3.9 | 1 |
| 50 | Cerebrovascular segmentation from TOF-MRA using model- and data-driven method via sparse labels. Neurocomputing, 2020, 380, 162-179. | 5.9 | 25 |
| 51 | A Scale Balanced Loss for Bounding Box Regression. IEEE Access, 2020, 8, 108438-108448. | 4.2 | 9 |
| 52 | Feasibility of Augmented Realityâ€‘Guided Transjugular Intrahepatic Portosystemic Shunt. Journal of Vascular and Interventional Radiology, 2020, 31, 2098-2103. | 0.5 | 8 |
| 53 | NR4A1 Methylation Associated Multimodal Neuroimaging Patterns Impaired in Temporal Lobe Epilepsy. Frontiers in Neuroscience, 2020, 14, 727. | 2.8 | 2 |
| 54 | Classification of schizophrenia using general linear model and support vector machine via fNIRS. Physical and Engineering Sciences in Medicine, 2020, 43, 1151-1160. | 2.4 | 11 |

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|----|---|------|-----------|
| 55 | Spatial probabilistic distribution map-based two-channel 3D U-net for visual pathway segmentation. Pattern Recognition Letters, 2020, 138, 601-607. | 4.2 | 6 |
| 56 | Dense biased networks with deep priori anatomy and hard region adaptation: Semi-supervised learning for fine renal artery segmentation. Medical Image Analysis, 2020, 63, 101722. | 11.6 | 43 |
| 57 | Multi-level feature aggregation network for instrument identification of endoscopic images. Physics in Medicine and Biology, 2020, 65, 165004. | 3.0 | 10 |
| 58 | Groupwise registration with global-local graph shrinkage in atlas construction. Medical Image Analysis, 2020, 64, 101711. | 11.6 | 3 |
| 59 | Motion-flow-guided recurrent network for respiratory signal estimation of x-ray angiographic image sequences. Physics in Medicine and Biology, 2020, 65, 245020. | 3.0 | 2 |
| 60 | 3D visualization ablation planning system assisted microwave ablation for hepatocellular carcinoma (Diameter ≥ 3): a precise clinical application. BMC Cancer, 2020, 20, 44. | 2.6 | 19 |
| 61 | Open Curvature Scale Space Matching for Coronary Artery Identification in X-Ray Angiographic Images. IEEE Access, 2020, 8, 16989-17001. | 4.2 | 2 |
| 62 | Femoral head segmentation based on improved fully convolutional neural network for ultrasound images. Signal, Image and Video Processing, 2020, 14, 1043-1051. | 2.7 | 4 |
| 63 | Heuristic tree searching for pose-independent 3D/2D rigid registration of vessel structures. Physics in Medicine and Biology, 2020, 65, 055010. | 3.0 | 9 |
| 64 | Endoscopic image feature matching via motion consensus and global bilateral regression. Computer Methods and Programs in Biomedicine, 2020, 190, 105370. | 4.7 | 11 |
| 65 | 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. | 2.8 | 24 |
| 66 | Weakly-supervised convolutional neural networks of renal tumor segmentation in abdominal CTA images. BMC Medical Imaging, 2020, 20, 37. | 2.7 | 30 |
| 67 | Anterior Mediastinal Lesion Segmentation Based on Two-Stage 3D ResUNet With Attention Gates and Lung Segmentation. Frontiers in Oncology, 2020, 10, 618357. | 2.8 | 3 |
| 68 | 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. | 2.9 | 24 |
| 69 | Dial/Hybrid Cascade 3DResUNet for Liver and Tumor Segmentation. , 2020, , . | | 5 |
| 70 | Venous Tree Separation based on Local Feature. , 2020, , . | | 0 |
| 71 | Locality Preserving based Motion Consensus for Endoscopic Image Feature Matching. , 2020, , . | | 1 |
| 72 | A General Endoscopic Image Enhancement Method Based on Pre-trained Generative Adversarial Networks. , 2020, , . | | 0 |

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|----|---|-----|-----------|
| 73 | Local Contractive Registration for Quantification of Tissue Shrinkage in Assessment of Microwave Ablation. Lecture Notes in Computer Science, 2020, , 126-134. | 1.3 | 2 |
| 74 | Unbiased groupwise registration for shape prediction of foot scans. Medical and Biological Engineering and Computing, 2019, 57, 1985-1998. | 2.8 | 1 |
| 75 | Nonrigid registration for tracking incompressible soft tissues with sliding motion. Medical Physics, 2019, 46, 4923-4939. | 3.0 | 10 |
| 76 | Bi-Based Z-Scheme Nanomaterials for the Photocatalytic Degradation of Organic Dyes. ACS Applied Nano Materials, 2019, 2, 6418-6427. | 5.0 | 28 |
| 77 | Multiresolution Cube Propagation for 3-D Ultrasound Image Reconstruction. IEEE Transactions on Computational Imaging, 2019, 5, 251-261. | 4.4 | 9 |
| 78 | Automatic Deep Feature Learning via Patch-Based Deep Belief Network for Vertebrae Segmentation in CT Images. Applied Sciences (Switzerland), 2019, 9, 69. | 2.5 | 46 |
| 79 | Quantitation of Vascular Morphology by Directed Graph Construction. IEEE Access, 2019, 7, 21609-21622. | 4.2 | 6 |
| 80 | Brain function, structure and genomic data are linked but show different sensitivity to duration of illness and disease stage in schizophrenia. NeuroImage: Clinical, 2019, 23, 101887. | 2.7 | 14 |
| 81 | Domain Progressive 3D Residual Convolution Network to Improve Low-Dose CT Imaging. IEEE Transactions on Medical Imaging, 2019, 38, 2903-2913. | 8.9 | 147 |
| 82 | Deep feature regression (DFR) for 3D vessel segmentation. Physics in Medicine and Biology, 2019, 64, 115006. | 3.0 | 7 |
| 83 | Deep feature descriptor based hierarchical dense matching for X-ray angiographic images. Computer Methods and Programs in Biomedicine, 2019, 175, 233-242. | 4.7 | 5 |
| 84 | Deep Belief Network Modeling for Automatic Liver Segmentation. IEEE Access, 2019, 7, 20585-20595. | 4.2 | 82 |
| 85 | Towards Personalized Deformable and Mix-supervised Model for Robust MR-US Registration. , 2019, , . | | 0 |
| 86 | Liver Segmentation in CT Images Using a Non-Local Fully Convolutional Neural Network. , 2019, , . | | 5 |
| 87 | Monte Carlo Tree Search for 3D/2D Registration of Vessel Graphs. , 2019, , . | | 1 |
| 88 | 3D Convolutional Two-Stream Network for Action Recognition in Videos. , 2019, , . | | 4 |
| 89 | Inter/intra-frame constrained vascular segmentation in X-ray angiographic image sequence. BMC Medical Informatics and Decision Making, 2019, 19, 270. | 3.0 | 2 |
| 90 | Liver tumor segmentation in CT volumes using an adversarial densely connected network. BMC Bioinformatics, 2019, 20, 587. | 2.6 | 27 |

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|-----|---|-----|-----------|
| 91 | Endoscopic Image Colorization Using Convolutional Neural Network. , 2019, , . | | 3 |
| 92 | Deep motion tracking from multiview angiographic image sequences for synchronization of cardiac phases. Physics in Medicine and Biology, 2019, 64, 025018. | 3.0 | 3 |
| 93 | Patch-Based Adaptive Background Subtraction for Vascular Enhancement in X-Ray Cineangiograms. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2563-2575. | 6.3 | 9 |
| 94 | A mobilized automatic human body measure system using neural network. Multimedia Tools and Applications, 2019, 78, 11291-11311. | 3.9 | 5 |
| 95 | Linked 4-Way Multimodal Brain Differences in Schizophrenia in a Large Chinese Han Population. Schizophrenia Bulletin, 2019, 45, 436-449. | 4.3 | 38 |
| 96 | Enhanced Subtraction Image Guided Convolutional Neural Network for Coronary Artery Segmentation. Communications in Computer and Information Science, 2019, , 625-632. | 0.5 | 4 |
| 97 | Automatic boundary segmentation of vascular Doppler optical coherence tomography images based on cascaded U-net architecture. OSA Continuum, 2019, 2, 677. | 1.8 | 11 |
| 98 | Convolutional-neural-network-based feature extraction for liver segmentation from CT images. , 2019, , . | | 18 |
| 99 | Improved U-Net for Guidewire Tip Segmentation in X-ray Fluoroscopy Images. , 2019, , . | | 8 |
| 100 | Multi-modal Image Fusion based Anatomical Shape Model for Low-contrast Anterior Visual Pathway and Medial Rectus Muscle Segmentation in CT Images. , 2019, , . | | 0 |
| 101 | Multiple Features Decomposition for Subcutaneous Vein Extraction and Measurement. IEEE Access, 2018, 6, 11265-11277. | 4.2 | 3 |
| 102 | Video Saliency Detection Using Object Proposals. IEEE Transactions on Cybernetics, 2018, 48, 3159-3170. | 9.5 | 81 |
| 103 | Local statistical deformation models for deformable image registration. Neurocomputing, 2018, 303, 1-10. | 5.9 | 6 |
| 104 | Accurate measurement of granary stockpile volume based on fast registration of multi-station scans. Remote Sensing Letters, 2018, 9, 569-577. | 1.4 | 9 |
| 105 | Structure-Adaptive Fuzzy Estimation for Random-Valued Impulse Noise Suppression. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 414-427. | 8.3 | 72 |
| 106 | 3D Feature Constrained Reconstruction for Low-Dose CT Imaging. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1232-1247. | 8.3 | 98 |
| 107 | Robust Stereoscopic Crosstalk Prediction. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1158-1168. | 8.3 | 0 |
| 108 | Research on the sliding mode control for underactuated surface vessels via parameter estimation. Nonlinear Dynamics, 2018, 91, 1163-1175. | 5.2 | 43 |

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|-----|--|-----|-----------|
| 109 | Effects of heating, autoclaving and ultra-high pressure on the solubility, immunoreactivity and structure of major allergens in egg. <i>Food and Agricultural Immunology</i> , 2018, 29, 412-423. | 1.4 | 11 |
| 110 | K-mer Counting: memory-efficient strategy, parallel computing and field of application for <i>Bioinformatics.</i> , 2018, , . | | 2 |
| 111 | Cooperative Three-View Imaging Optical Coherence Tomography for Intraoperative Vascular Evaluation. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1551. | 2.5 | 1 |
| 112 | Multiple Classifier Fusion and Optimization for Automatic Focal Cortical Dysplasia Detection on Magnetic Resonance Images. <i>IEEE Access</i> , 2018, 6, 73786-73801. | 4.2 | 3 |
| 113 | Multi-layer cube sampling for liver boundary detection in PETâ€“CT images. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2018, 41, 495-505. | 1.3 | 0 |
| 114 | Sparse deformation prediction using Markove Decision Processes (MDP) for Non-rigid registration of MR image. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 162, 47-59. | 4.7 | 6 |
| 115 | Hybrid constraint optimization for 3D subcutaneous vein reconstruction by near-infrared images. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 163, 123-133. | 4.7 | 2 |
| 116 | Automatic retinal vessel segmentation using multi-scale superpixel chain tracking. , 2018, 81, 26-42. | | 28 |
| 117 | Multichannel Fully Convolutional Network for Coronary Artery Segmentation in X-Ray Angiograms. <i>IEEE Access</i> , 2018, 6, 44635-44643. | 4.2 | 53 |
| 118 | Sparse intervertebral fence composition for 3D cervical vertebra segmentation. <i>Physics in Medicine and Biology</i> , 2018, 63, 115010. | 3.0 | 5 |
| 119 | Facile Synthesis of Near-Infrared Emissive CdS Quantum Dots for Live Cells Imaging. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 2271-2277. | 0.9 | 5 |
| 120 | Perception enhancement using importance-driven hybrid rendering for augmented reality based endoscopic surgical navigation. <i>Biomedical Optics Express</i> , 2018, 9, 5205. | 2.9 | 16 |
| 121 | Sparse-view X-ray CT reconstruction with Gamma regularization. <i>Neurocomputing</i> , 2017, 230, 251-269. | 5.9 | 20 |
| 122 | Renal Clearable Ag Nanodots for in Vivo Computer Tomography Imaging and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5900-5906. | 8.0 | 64 |
| 123 | Discriminative feature representation: an effective postprocessing solution to low dose CT imaging. <i>Physics in Medicine and Biology</i> , 2017, 62, 2103-2131. | 3.0 | 36 |
| 124 | Convex Hull Aided Registration Method (CHARM). <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2017, 23, 2042-2055. | 4.4 | 15 |
| 125 | A competitive direct enzyme-linked immunosorbent assay for the rapid detection of deoxynivalenol: development and application in agricultural products and feedstuff. <i>Food and Agricultural Immunology</i> , 2017, 28, 516-527. | 1.4 | 23 |
| 126 | A compactness based saliency approach for leakages detection in fluorescein angiogram. <i>International Journal of Machine Learning and Cybernetics</i> , 2017, 8, 1971-1979. | 3.6 | 3 |

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|-----|---|------|-----------|
| 127 | Co-altered functional networks and brain structure in unmedicated patients with bipolar and major depressive disorders. <i>Brain Structure and Function</i> , 2017, 222, 4051-4064. | 2.3 | 77 |
| 128 | Local incompressible registration for liver ablation surgery assessment. <i>Medical Physics</i> , 2017, 44, 5873-5888. | 3.0 | 16 |
| 129 | Registration and fusion quantification of augmented reality based nasal endoscopic surgery. <i>Medical Image Analysis</i> , 2017, 42, 241-256. | 11.6 | 41 |
| 130 | Discriminative Feature Representation to Improve Projection Data Inconsistency for Low Dose CT Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 2499-2509. | 8.9 | 94 |
| 131 | Cerebral vascular enhancement using a weighted 3D symmetry filter. , 2017, , . | | 0 |
| 132 | Automatic liver segmentation based on appearance and context information. <i>BioMedical Engineering OnLine</i> , 2017, 16, 16. | 2.7 | 17 |
| 133 | Improving Low-Dose CT Image Using Residual Convolutional Network. <i>IEEE Access</i> , 2017, 5, 24698-24705. | 4.2 | 90 |
| 134 | Classification of Patients with Disorder of Consciousness Based on DTI Sequence Analysis. , 2017, , . | | 0 |
| 135 | Dorsal hand vein recognition based on convolutional neural networks. , 2017, , . | | 33 |
| 136 | Automatic schizophrenic discrimination on fNIRS by using complex brain network analysis and SVM. <i>BMC Medical Informatics and Decision Making</i> , 2017, 17, 166. | 3.0 | 35 |
| 137 | Global Patch Matching (GPM) for freehand 3D ultrasound reconstruction. <i>BioMedical Engineering OnLine</i> , 2017, 16, 124. | 2.7 | 10 |
| 138 | Positive Unanimous Voting Algorithm for Focal Cortical Dysplasia Detection on Magnetic Resonance Image. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 25. | 2.1 | 4 |
| 139 | A vessel segmentation method for multi-modality angiographic images based on multi-scale filtering and statistical models. <i>BioMedical Engineering OnLine</i> , 2016, 15, 120. | 2.7 | 17 |
| 140 | Shape context and projection geometry constrained vasculature matching for 3D reconstruction of coronary artery. <i>Neurocomputing</i> , 2016, 195, 65-73. | 5.9 | 11 |
| 141 | 3-Points Convex Hull Matching (3PCHM) for fast and robust point set registration. <i>Neurocomputing</i> , 2016, 194, 227-240. | 5.9 | 17 |
| 142 | Region-based saliency estimation for 3D shape analysis and understanding. <i>Neurocomputing</i> , 2016, 197, 1-13. | 5.9 | 16 |
| 143 | Convex hull indexed Gaussian mixture model (CH-GMM) for 3D point set registration. <i>Pattern Recognition</i> , 2016, 59, 126-141. | 8.1 | 39 |
| 144 | Augmented reality based real-time subcutaneous vein imaging system. <i>Biomedical Optics Express</i> , 2016, 7, 2565. | 2.9 | 44 |

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|-----|--|------|-----------|
| 145 | Geometrical force constraint method for vessel and x-ray angiogram simulation. Journal of X-Ray Science and Technology, 2016, 24, 87-106. | 1.0 | 4 |
| 146 | Curve-Like Structure Extraction Using Minimal Path Propagation With Backtracking. IEEE Transactions on Image Processing, 2016, 25, 988-1003. | 9.8 | 156 |
| 147 | A Novel Augmented Reality Navigation System for Endoscopic Sinus and Skull Base Surgery: A Feasibility Study. PLoS ONE, 2016, 11, e0146996. | 2.5 | 84 |
| 148 | Feature Learning Based Random Walk for Liver Segmentation. PLoS ONE, 2016, 11, e0164098. | 2.5 | 16 |
| 149 | Adaptive Ridge Point Refinement for Seeds Detection in X-Ray Coronary Angiogram. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-10. | 1.3 | 7 |
| 150 | Convex hull matching and hierarchical decomposition for multimodality medical image registration. Journal of X-Ray Science and Technology, 2015, 23, 253-265. | 1.0 | 3 |
| 151 | Quantitative Analysis of Deformable Model-Based 3-D Reconstruction of Coronary Artery From Multiple Angiograms. IEEE Transactions on Biomedical Engineering, 2015, 62, 2079-2090. | 4.2 | 35 |
| 152 | Adaptive Tensor-Based Principal Component Analysis for Low-Dose CT Image Denoising. PLoS ONE, 2015, 10, e0126914. | 2.5 | 8 |
| 153 | Adaptive Mesh Expansion Model (AMEM) for Liver Segmentation from CT Image. PLoS ONE, 2015, 10, e0118064. | 2.5 | 15 |
| 154 | PET Index of Bone Glucose Metabolism (PIBGM) Classification of PET/CT Data for Fever of Unknown Origin Diagnosis. PLoS ONE, 2015, 10, e0130173. | 2.5 | 5 |
| 155 | Quantification of osteoarticular joint defects through bone segmentation and modeling. Bio-Medical Materials and Engineering, 2014, 24, 3471-3478. | 0.6 | 1 |
| 156 | Multiresolution generalized N dimension PCA for ultrasound image denoising. BioMedical Engineering OnLine, 2014, 13, 112. | 2.7 | 3 |
| 157 | Image denoising using K-SVD and non-local means. , 2014, , . | | 4 |
| 158 | External force back-projective composition and globally deformable optimization for 3-D coronary artery reconstruction. Physics in Medicine and Biology, 2014, 59, 975-1003. | 3.0 | 30 |
| 159 | Artifact Suppressed Dictionary Learning for Low-Dose CT Image Processing. IEEE Transactions on Medical Imaging, 2014, 33, 2271-2292. | 8.9 | 265 |
| 160 | Multi-wall carbon nanotubes decorated with ZnO nanocrystals: mild solution-process synthesis and highly efficient microwave absorption properties at elevated temperature. Journal of Materials Chemistry A, 2014, 2, 10540. | 10.3 | 420 |
| 161 | Quantitative Analysis of Deformable Model based 3-D Reconstruction of Coronary Artery from Multiple Angiograms. IEEE Transactions on Biomedical Engineering, 2014, , 1-1. | 4.2 | 1 |
| 162 | Time-jerk optimal trajectory planning for robotic manipulators. , 2013, , . | | 9 |

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|-----|---|-----|-----------|
| 163 | Design of vascular networks: A mathematical model approach. International Journal for Numerical Methods in Biomedical Engineering, 2013, 29, 515-529. | 2.1 | 29 |
| 164 | Fast and Automatic Ultrasound Simulation from CT Images. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-13. | 1.3 | 7 |
| 165 | Automatic Vasculature Identification in Coronary Angiograms by Adaptive Geometrical Tracking. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-11. | 1.3 | 9 |
| 166 | A novel non-contact interactive medical image viewing system. , 2012, , . | | 0 |
| 167 | A method on trajectory plan for humanoid space robot. , 2011, , . | | 0 |
| 168 | Vascular Tree Matching from Multiple View Projections. , 2011, , . | | 0 |
| 169 | Independent-on-model friction compensation study for high-precision servo system based on linear driver. , 2010, , . | | 1 |
| 170 | Automatic Segmentation of Coronary Angiograms Based on Probabilistic Tracking. , 2009, , . | | 5 |
| 171 | Novel Approach for 3-D Reconstruction of Coronary Arteries From Two Uncalibrated Angiographic Images. IEEE Transactions on Image Processing, 2009, 18, 1563-1572. | 9.8 | 67 |
| 172 | Multiresolution Elastic Registration of X-Ray Angiography Images Using Thin-Plate Spline. IEEE Transactions on Nuclear Science, 2007, 54, 152-166. | 2.0 | 30 |