

# Jing Qin

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

280  
papers

7,549  
citations

41  
h-index

79  
g-index

300  
ext. papers

10,157  
ext. citations

4.6  
avg, IF

6.69  
L-index

#	Paper	IF	Citations
280	Automated Melanoma Recognition in Dermoscopy Images via Very Deep Residual Networks. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 994-1004	11.7	470
279	Automatic Detection of Cerebral Microbleeds From MR Images via 3D Convolutional Neural Networks. <i>IEEE Transactions on Medical Imaging</i> , <b>2016</b> , 35, 1182-1195	11.7	379
278	VoxResNet: Deep voxelwise residual networks for brain segmentation from 3D MR images. <i>NeuroImage</i> , <b>2018</b> , 170, 446-455	7.9	364
277	Computer-Aided Diagnosis with Deep Learning Architecture: Applications to Breast Lesions in US Images and Pulmonary Nodules in CT Scans. <i>Scientific Reports</i> , <b>2016</b> , 6, 24454	4.9	360
276	3D deeply supervised network for automated segmentation of volumetric medical images. <i>Medical Image Analysis</i> , <b>2017</b> , 41, 40-54	15.4	313
275	Multilevel Contextual 3-D CNNs for False Positive Reduction in Pulmonary Nodule Detection. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2017</b> , 64, 1558-1567	5	295
274	DCAN: Deep contour-aware networks for object instance segmentation from histology images. <i>Medical Image Analysis</i> , <b>2017</b> , 36, 135-146	15.4	234
273	Standard Plane Localization in Fetal Ultrasound via Domain Transferred Deep Neural Networks. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2015</b> , 19, 1627-36	7.2	212
272	3D Deeply Supervised Network for Automatic Liver Segmentation from CT Volumes. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 149-157	0.9	139
271	Enabling Identity-Based Integrity Auditing and Data Sharing With Sensitive Information Hiding for Secure Cloud Storage. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2019</b> , 14, 331-346	8	134
270	Integrating Online and Offline Three-Dimensional Deep Learning for Automated Polyp Detection in Colonoscopy Videos. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2017</b> , 21, 65-75	7.2	129
269	RINet: Recurrent Residual Refinement Network for Saliency Detection <b>2018</b> ,		123
268	SINet: A Scale-Insensitive Convolutional Neural Network for Fast Vehicle Detection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2019</b> , 20, 1010-1019	6.1	115
267	SV-RCNet: Workflow Recognition From Surgical Videos Using Recurrent Convolutional Network. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 1114-1126	11.7	105
266	Unsupervised Bidirectional Cross-Modality Adaptation via Deeply Synergistic Image and Feature Alignment for Medical Image Segmentation. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 2494-2505	11.7	98
265	Computer-Assisted Decision Support System in Pulmonary Cancer detection and stage classification on CT images. <i>Journal of Biomedical Informatics</i> , <b>2018</b> , 79, 117-128	10.2	94
264	Melanoma Recognition in Dermoscopy Images via Aggregated Deep Convolutional Features. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2019</b> , 66, 1006-1016	5	93

263	A survey on application of machine learning for Internet of Things. <i>International Journal of Machine Learning and Cybernetics</i> , <b>2018</b> , 9, 1399-1417	3.8	90
262	Quantitative analysis of patients with celiac disease by video capsule endoscopy: A deep learning method. <i>Computers in Biology and Medicine</i> , <b>2017</b> , 85, 1-6	7	88
261	Automatic Scoring of Multiple Semantic Attributes With Multi-Task Feature Leverage: A Study on Pulmonary Nodules in CT Images. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 802-814	11.7	80
260	Direction-Aware Spatial Context Features for Shadow Detection <b>2018</b> ,		75
259	A deeply supervised residual network for HEp-2 cell classification via cross-modal transfer learning. <i>Pattern Recognition</i> , <b>2018</b> , 79, 290-302	7.7	74
258	Brain tumor segmentation from multimodal magnetic resonance images via sparse representation. <i>Artificial Intelligence in Medicine</i> , <b>2016</b> , 73, 1-13	7.4	70
257	Automatic Fetal Ultrasound Standard Plane Detection Using Knowledge Transferred Recurrent Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 507-514	0.9	68
256	Ultrasound Standard Plane Detection Using a Composite Neural Network Framework. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 1576-1586	10.2	65
255	Automated Pulmonary Nodule Detection via 3D ConvNets with Online Sample Filtering and Hybrid-Loss Residual Learning. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 630-638	0.9	65
254	Mixture correntropy for robust learning. <i>Pattern Recognition</i> , <b>2018</b> , 79, 318-327	7.7	65
253	Skin lesion segmentation via generative adversarial networks with dual discriminators. <i>Medical Image Analysis</i> , <b>2020</b> , 64, 101716	15.4	64
252	Automatic 3D Cardiovascular MR Segmentation with Densely-Connected Volumetric ConvNets. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 287-295	0.9	63
251	Deep Attentive Features for Prostate Segmentation in 3D Transrectal Ultrasound. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 2768-2778	11.7	62
250	Bi-Normal Filtering for Mesh Denoising. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2015</b> , 21, 43-55	4	62
249	Multi-task recurrent convolutional network with correlation loss for surgical video analysis. <i>Medical Image Analysis</i> , <b>2020</b> , 59, 101572	15.4	58
248	Blood pressure control and adverse outcomes of COVID-19 infection in patients with concomitant hypertension in Wuhan, China. <i>Hypertension Research</i> , <b>2020</b> , 43, 1267-1276	4.7	55
247	Bagree AdaBoost stacked autoencoder for short-term traffic flow forecasting. <i>Neurocomputing</i> , <b>2017</b> , 247, 31-38	5.4	53
246	Automatic Localization and Identification of Vertebrae in Spine CT via a Joint Learning Model with Deep Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 515-522	0.9	51

245	Standard plane localization in ultrasound by radial component model and selective search. <i>Ultrasound in Medicine and Biology</i> , <b>2014</b> , 40, 2728-42	3.5	47
244	Bidirectional Feature Pyramid Network with Recurrent Attention Residual Modules for Shadow Detection. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 122-137	0.9	46
243	Towards Automated Semantic Segmentation in Prenatal Volumetric Ultrasound. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 180-193	11.7	45
242	Direction-Aware Spatial Context Features for Shadow Detection and Removal. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2020</b> , 42, 2795-2808	13.3	45
241	Automatic Fetal Head Circumference Measurement in Ultrasound Using Random Forest and Fast Ellipse Fitting. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2018</b> , 22, 215-223	7.2	44
240	PSO-ELM: A Hybrid Learning Model for Short-Term Traffic Flow Forecasting. <i>IEEE Access</i> , <b>2020</b> , 8, 6505-6514	3.4	44
239	A Deep Convolutional Neural Network-Based Framework for Automatic Fetal Facial Standard Plane Recognition. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2018</b> , 22, 874-885	7.2	41
238	Maximum Correntropy Kalman Filter With State Constraints. <i>IEEE Access</i> , <b>2017</b> , 5, 25846-25853	3.5	41
237	Deep Multi-Model Fusion for Single-Image Dehazing <b>2019</b> ,		41
236	Learning blood management in orthopedic surgery through gameplay. <i>IEEE Computer Graphics and Applications</i> , <b>2010</b> , 30, 45-57	1.7	40
235	Multi-Task Deep Model With Margin Ranking Loss for Lung Nodule Analysis. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 718-728	11.7	39
234	A noise-immune Kalman filter for short-term traffic flow forecasting. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2019</b> , 536, 122601	3.3	38
233	Multiscale geodesic active contours for ultrasound image segmentation using speckle reducing anisotropic diffusion. <i>Optics and Lasers in Engineering</i> , <b>2014</b> , 54, 105-116	4.6	38
232	Single Image Reflection Removal Beyond Linearity <b>2019</b> ,		37
231	Hybrid dual Kalman filtering model for short-term traffic flow forecasting. <i>IET Intelligent Transport Systems</i> , <b>2019</b> , 13, 1023-1032	2.4	35
230	Improving the discrimination of hand motor imagery via virtual reality based visual guidance. <i>Computer Methods and Programs in Biomedicine</i> , <b>2016</b> , 132, 63-74	6.9	35
229	Simple framework for real-time forecast in a data-limited situation: the Zika virus (ZIKV) outbreaks in Brazil from 2015 to 2016 as an example. <i>Parasites and Vectors</i> , <b>2019</b> , 12, 344	4	33
228	Reconstruction of volumetric ultrasound panorama based on improved 3D SIFT. <i>Computerized Medical Imaging and Graphics</i> , <b>2009</b> , 33, 559-66	7.6	33

227	Application of Deep Learning in Automated Analysis of Molecular Images in Cancer: A Survey. <i>Contrast Media and Molecular Imaging</i> , <b>2017</b> , 2017, 9512370	3.2	31
226	Sparse Support Matrix Machine. <i>Pattern Recognition</i> , <b>2018</b> , 76, 715-726	7.7	31
225	Mesh Denoising Guided by Patch Normal Co-Filtering via Kernel Low-Rank Recovery. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2019</b> , 25, 2910-2926	4	31
224	A virtual training system for maxillofacial surgery using advanced haptic feedback and immersive workbench. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2014</b> , 10, 78-87	2.9	31
223	Robust Learning With Kernel Mean -Power Error Loss. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 2101-2113	3.1	31
222	An Energy Efficient Key Management Scheme for Body Sensor Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2013</b> , 24, 2202-2210	3.7	30
221	Towards Automatic Semantic Segmentation in Volumetric Ultrasound. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 711-719	0.9	30
220	SVRGSA: a hybrid learning based model for short-term traffic flow forecasting. <i>IET Intelligent Transport Systems</i> , <b>2019</b> , 13, 1348-1355	2.4	29
219	A Robotic System for Overlapping Radiofrequency Ablation in Large Tumor Treatment. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2010</b> , 15, 887-897	5.5	29
218	Automatic Choroid Layer Segmentation from Optical Coherence Tomography Images Using Deep Learning. <i>Scientific Reports</i> , <b>2019</b> , 9, 3058	4.9	29
217	Multiclass support matrix machine for single trial EEG classification. <i>Neurocomputing</i> , <b>2018</b> , 275, 869-880	5.4	28
216	Selective Level Set Segmentation Using Fuzzy Region Competition. <i>IEEE Access</i> , <b>2016</b> , 4, 4777-4788	3.5	27
215	Aggregating Attentional Dilated Features for Salient Object Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2020</b> , 30, 3358-3371	6.4	27
214	ScanNet: A Fast and Dense Scanning Framework for Metastatic Breast Cancer Detection from Whole-Slide Image <b>2018</b> ,		26
213	Retinal Vessel Segmentation Using Minimum Spanning Superpixel Tree Detector. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 2707-2719	10.2	26
212	ST-TrafficNet: A Spatial-Temporal Deep Learning Network for Traffic Forecasting. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1474	2.6	26
211	Automated Skin Lesion Segmentation Via an Adaptive Dual Attention Module. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , 40, 357-370	11.7	26
210	FedDG: Federated Domain Generalization on Medical Image Segmentation via Episodic Learning in Continuous Frequency Space <b>2021</b> ,		25

209	3D Fully Convolutional Networks for Intervertebral Disc Localization and Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 375-382	0.9	25
208	Bas-Relief Modeling from Normal Layers. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2019</b> , 25, 1651-1665	4	25
207	A temporal-aware LSTM enhanced by loss-switch mechanism for traffic flow forecasting. <i>Neurocomputing</i> , <b>2021</b> , 427, 169-178	5.4	25
206	Towards Personalized Statistical Deformable Model and Hybrid Point Matching for Robust MR-TRUS Registration. <i>IEEE Transactions on Medical Imaging</i> , <b>2016</b> , 35, 589-604	11.7	24
205	A Learning-Based Multimodel Integrated Framework for Dynamic Traffic Flow Forecasting. <i>Neural Processing Letters</i> , <b>2019</b> , 49, 407-430	2.4	24
204	A virtual reality simulator for ultrasound-guided biopsy training. <i>IEEE Computer Graphics and Applications</i> , <b>2011</b> , 31, 36-48	1.7	24
203	A serious game for learning ultrasound-guided needle placement skills. <i>IEEE Transactions on Information Technology in Biomedicine</i> , <b>2012</b> , 16, 1032-42		24
202	Coarse-to-Fine Normal Filtering for Feature-Preserving Mesh Denoising Based on Isotropic Subneighborhoods. <i>Computer Graphics Forum</i> , <b>2013</b> , 32, 371-380	2.4	23
201	Cloud-Based Automated Clinical Decision Support System for Detection and Diagnosis of Lung Cancer in Chest CT. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , <b>2020</b> , 8, 4300113	3	23
200	Data-driven Geometry-recovering Mesh Denoising. <i>CAD Computer Aided Design</i> , <b>2019</b> , 114, 133-142	2.9	22
199	3D FractalNet: Dense Volumetric Segmentation for Cardiovascular MRI Volumes. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 103-110	0.9	20
198	Data Integrity Auditing without Private Key Storage for Secure Cloud Storage. <i>IEEE Transactions on Cloud Computing</i> , <b>2019</b> , 1-1	3.3	19
197	Non-Local Sparse and Low-Rank Regularization for Structure-Preserving Image Smoothing. <i>Computer Graphics Forum</i> , <b>2016</b> , 35, 217-226	2.4	19
196	Accelerating simultaneous algebraic reconstruction technique with motion compensation using CUDA-enabled GPU. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2011</b> , 6, 187-99	3.9	19
195	A novel modeling framework for multilayered soft tissue deformation in virtual orthopedic surgery. <i>Journal of Medical Systems</i> , <b>2010</b> , 34, 261-71	5.1	19
194	Robust Matrix Completion via Maximum Correntropy Criterion and Half-Quadratic Optimization. <i>IEEE Transactions on Signal Processing</i> , <b>2020</b> , 68, 181-195	4.8	19
193	SCS-Net: A Scale and Context Sensitive Network for Retinal Vessel Segmentation. <i>Medical Image Analysis</i> , <b>2021</b> , 70, 102025	15.4	19
192	Nonrigid iterative closest points for registration of 3D biomedical surfaces. <i>Optics and Lasers in Engineering</i> , <b>2018</b> , 100, 141-154	4.6	19

191	Modelling the effective reproduction number of vector-borne diseases: the yellow fever outbreak in Luanda, Angola 2015-2016 as an example. <i>PeerJ</i> , <b>2020</b> , 8, e8601	3.1	18
190	Pilot study of a surgical robot system for zygomatic implant placement. <i>Medical Engineering and Physics</i> , <b>2020</b> , 75, 72-78	2.4	18
189	A noise-immune LSTM network for short-term traffic flow forecasting. <i>Chaos</i> , <b>2020</b> , 30, 023135	3.3	17
188	Domain-invariant interpretable fundus image quality assessment. <i>Medical Image Analysis</i> , <b>2020</b> , 61, 101654	5.4	17
187	Self-co-attention neural network for anatomy segmentation in whole breast ultrasound. <i>Medical Image Analysis</i> , <b>2020</b> , 64, 101753	15.4	16
186	Large-scale Lassa fever outbreaks in Nigeria: quantifying the association between disease reproduction number and local rainfall. <i>Epidemiology and Infection</i> , <b>2020</b> , 148, e4	4.3	16
185	Impulse-Based Rendering Methods for Haptic Simulation of Bone-Burring. <i>IEEE Transactions on Haptics</i> , <b>2012</b> , 5, 344-55	2.7	16
184	Application of L1-norm regularization to epicardial potential reconstruction based on gradient projection. <i>Physics in Medicine and Biology</i> , <b>2011</b> , 56, 6291-310	3.8	16
183	Learning-based 3D surface optimization from medical image reconstruction. <i>Optics and Lasers in Engineering</i> , <b>2018</b> , 103, 110-118	4.6	16
182	Walking Imagery Evaluation in Brain Computer Interfaces via a Multi-View Multi-Level Deep Polynomial Network. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2019</b> , 27, 497-506	4.8	15
181	Structure-guided shape-preserving mesh texture smoothing via joint low-rank matrix recovery. <i>CAD Computer Aided Design</i> , <b>2019</b> , 115, 122-134	2.9	15
180	Feature-preserving optimization for noisy mesh using joint bilateral filter and constrained Laplacian smoothing. <i>Optics and Lasers in Engineering</i> , <b>2013</b> , 51, 1223-1234	4.6	15
179	Quasi-linear viscoelastic modeling of arterial wall for surgical simulation. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2011</b> , 6, 829-38	3.9	15
178	Discrimination of motor imagery tasks via information flow pattern of brain connectivity. <i>Technology and Health Care</i> , <b>2016</b> , 24 Suppl 2, S795-801	1.1	15
177	Fast feature-preserving speckle reduction for ultrasound images via phase congruency. <i>Signal Processing</i> , <b>2017</b> , 134, 275-284	4.4	14
176	. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , 1-1	8.7	14
175	Particle-based simulation of blood flow and vessel wall interactions in virtual surgery <b>2010</b> ,		14
174	Selective Search and Sequential Detection for Standard Plane Localization in Ultrasound. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 203-211	0.9	14

173	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 2147-2159	6.4	14
172	. <i>IEEE Transactions on Cloud Computing</i> , <b>2019</b> , 1-1	3.3	13
171	Fast rendering of diffusion curves with triangles. <i>IEEE Computer Graphics and Applications</i> , <b>2012</b> , 32, 68-78	7.7	13
170	Saliency-Aware Texture Smoothing. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2020</b> , 26, 2471-2484	4	13
169	Bridging Computational Features Toward Multiple Semantic Features with Multi-task Regression: A Study of CT Pulmonary Nodules. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 53-60	0.9	12
168	A catheterization-training simulator based on a fast multigrid solver. <i>IEEE Computer Graphics and Applications</i> , <b>2012</b> , 32, 56-70	1.7	12
167	3D Multi-Attention Guided Multi-Task Learning Network for Automatic Gastric Tumor Segmentation and Lymph Node Classification. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , 40, 1618-1631	11.7	12
166	Parkinson's Disease Diagnosis via Joint Learning From Multiple Modalities and Relations. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2019</b> , 23, 1437-1449	7.2	12
165	Fast Gabor texture feature extraction with separable filters using GPU. <i>Journal of Real-Time Image Processing</i> , <b>2016</b> , 12, 5-13	1.9	11
164	EVA: Efficient Versatile Auditing Scheme for IoT-Based Datamarket in Jointcloud. <i>IEEE Internet of Things Journal</i> , <b>2020</b> , 7, 882-892	10.7	11
163	<b>2019</b> ,		11
162	Crowd Counting Via Cross-Stage Refinement Networks. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , 29, 6800-6812	8.7	10
161	Adaptive sparse learning using multi-template for neurodegenerative disease diagnosis. <i>Medical Image Analysis</i> , <b>2020</b> , 61, 101632	15.4	10
160	3D Deeply-Supervised U-Net Based Whole Heart Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 224-232	0.9	10
159	A Fast and Flexible Sorting Algorithm with CUDA. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 281-290	0.9	10
158	Example-Based Colourization Via Dense Encoding Pyramids. <i>Computer Graphics Forum</i> , <b>2020</b> , 39, 20-33	2.4	10
157	The long-term changing dynamics of dengue infectivity in Guangdong, China, from 2008-2018: a modelling analysis. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , <b>2020</b> , 114, 62-71	2	9
156	CNN in CT Image Segmentation: Beyond Loss Function for Exploiting Ground Truth Images <b>2020</b> ,		9



155	ENet: Stacking Densely Convolutional LSTMs for Sub-Cortical Brain Structure Segmentation. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 2806-2817	11.7	9
154	Overlapping radiofrequency ablation planning and robot-assisted needle insertion for large liver tumors. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2019</b> , 15, e1952	2.9	9
153	Chronic cardiovascular disease-associated gene network analysis in human umbilical vein endothelial cells exposed to 2,3,7,8-tetrachlorodibenzo-p-dioxin. <i>Cardiovascular Toxicology</i> , <b>2015</b> , 15, 157-71	3.4	9
152	Learning based automatic head detection and measurement from fetal ultrasound images via prior knowledge and imaging parameters <b>2013</b> ,		9
151	MTMR-Net: Multi-task Deep Learning with Margin Ranking Loss for Lung Nodule Analysis. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 74-82	0.9	9
150	Morphology-preserving smoothing on polygonized isosurfaces of inhomogeneous binary volumes. <i>CAD Computer Aided Design</i> , <b>2015</b> , 58, 92-98	2.9	8
149	Relationship Between Health Status and Physical Fitness of College Students From South China: An Empirical Study by Data Mining Approach. <i>IEEE Access</i> , <b>2020</b> , 8, 67466-67473	3.5	8
148	Detection and measurement of fetal abdominal contour in ultrasound images via local phase information and iterative randomized Hough transform. <i>Bio-Medical Materials and Engineering</i> , <b>2014</b> , 24, 1261-7	1	8
147	A framework using cluster-based hybrid network architecture for collaborative virtual surgery. <i>Computer Methods and Programs in Biomedicine</i> , <b>2009</b> , 96, 205-16	6.9	8
146	A Novel FEM-Based Numerical Solver for Interactive Catheter Simulation in Virtual Catheterization. <i>International Journal of Biomedical Imaging</i> , <b>2011</b> , 2011, 815246	5.2	8
145	AGNet: Attention-Guided Network for Surgical Tool Presence Detection. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 186-194	0.9	8
144	Deep Semantic Segmentation Feature-Based Radiomics for the Classification Tasks in Medical Image Analysis. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2021</b> , 25, 2655-2664	7.2	8
143	Patient-specific Deformation Modelling via Elastography: Application to Image-guided Prostate Interventions. <i>Scientific Reports</i> , <b>2016</b> , 6, 27386	4.9	8
142	Image-Aligned Dynamic Liver Reconstruction Using Intra-Operative Field of Views for Minimal Invasive Surgery. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2019</b> , 66, 2163-2173	5	8
141	Common Spatial Patterns Based on the Quantized Minimum Error Entropy Criterion. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 50, 4557-4568	7.3	8
140	Liver Extraction Using Residual Convolution Neural Networks From Low-Dose CT Images. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2019</b> , 66, 2641-2650	5	7
139	Manganese-12 acetate suppresses the migration, invasion, and epithelial-mesenchymal transition by inhibiting Wnt/ $\beta$ -catenin and PI3K/AKT signaling pathways in breast cancer cells. <i>Thoracic Cancer</i> , <b>2018</b> , 9, 353-359	3.2	7
138	Centerline Extraction of Vasculature Mesh. <i>IEEE Access</i> , <b>2018</b> , 6, 10257-10268	3.5	7

137	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2019</b> , 29, 1946-1961	6.4	7
136	Turbulence simulation by adaptive multi-relaxation lattice boltzmann modeling. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2014</b> , 20, 289-302	4	7
135	Feature-preserving mesh denoising via normal guided quadric error metrics. <i>Optics and Lasers in Engineering</i> , <b>2014</b> , 62, 57-68	4.6	7
134	Next generation genome sequencing reveals phylogenetic clades with different level of virulence among Salmonella Typhimurium clinical human isolates in Hong Kong. <i>BMC Genomics</i> , <b>2015</b> , 16, 688	4.5	7
133	Using sequential floating forward selection algorithm to detect epileptic seizure in EEG signals <b>2012</b> ,		7
132	A Physically-Based Modeling and Simulation Framework for Facial Animation <b>2009</b> ,		7
131	Securing Body Sensor Networks with Biometric Methods: A New Key Negotiation Method and a Key Sampling Method for Linear Interpolation Encryption. <i>International Journal of Distributed Sensor Networks</i> , <b>2015</b> , 11, 764919	1.7	7
130	Dual attention enhancement feature fusion network for segmentation and quantitative analysis of paediatric echocardiography. <i>Medical Image Analysis</i> , <b>2021</b> , 71, 102042	15.4	7
129	Effect of PLK1 inhibition on cisplatin-resistant gastric cancer cells. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 5904-5914	7	7
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