

# Jing Qin

## List of Publications by Year in Descending Order

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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	Cooperative Multiagent Attentional Communication for Large-Scale Task Space. <i>Wireless Communications and Mobile Computing</i> , <b>2022</b> , 2022, 1-13	1.9	
279	Semi-supervised segmentation of echocardiography videos via noise-resilient spatiotemporal semantic calibration and fusion.. <i>Medical Image Analysis</i> , <b>2022</b> , 78, 102397	15.4	3
278	H-ProSeg: Hybrid ultrasound prostate segmentation based on explainability-guided mathematical model.. <i>Computer Methods and Programs in Biomedicine</i> , <b>2022</b> , 219, 106752	6.9	0
277	FedDG: Federated Domain Generalization on Medical Image Segmentation via Episodic Learning in Continuous Frequency Space <b>2021</b> ,		25
276	Triple-cooperative Video Shadow Detection <b>2021</b> ,		5
275	GeoBi-GNN: Geometry-aware Bi-domain Mesh Denoising via Graph Neural Networks. <i>CAD Computer Aided Design</i> , <b>2021</b> , 103154	2.9	1
274	Group-Based Atrous Convolution Stereo Matching Network. <i>Wireless Communications and Mobile Computing</i> , <b>2021</b> , 2021, 1-11	1.9	1
273	Design, synthesis and biological evaluation of novel 1,3,4,9-tetrahydropyrano[3,4-b]indoles as potential treatment of triple negative breast cancer by suppressing PI3K/AKT/mTOR pathway.. <i>Bioorganic and Medicinal Chemistry</i> , <b>2021</b> , 55, 116594	3.4	1
272	From Synthetic to Real: Image Dehazing Collaborating with Unlabeled Real Data <b>2021</b> ,		6
271	Real-time landmark detection for precise endoscopic submucosal dissection via shape-aware relation network. <i>Medical Image Analysis</i> , <b>2021</b> , 75, 102291	15.4	1
270	Transductive Zero-Shot Action Recognition via Visually Connected Graph Convolutional Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 3761-3769	10.3	5
269	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
268	Investigation of a Novel Deep Learning-Based Computed Tomography Perfusion Mapping Framework for Functional Lung Avoidance Radiotherapy. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 644703	5.3	2
267	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
266	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2021</b> , 31, 2147-2159	6.4	14
265	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 <sup>11.7</sup>		12
264	Acsnet: Adaptive Cross-Scale Network with Feature Maps Refusion for Vehicle Density Detection <b>2021</b> ,		4

263	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
262	New limonoids and quinolone alkaloids with cytotoxic and anti-platelet aggregation activities from <i>Evodia rutaecarpa</i> (Juss.) Benth. <i>Fitoterapia</i> , <b>2021</b> , 152, 104875	3.2	1
261	Few-Shot Breast Cancer Metastases Classification via Unsupervised Cell Ranking. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , <b>2021</b> , 18, 1914-1923	3	2
260	Feasibility, acceptability, and preliminary effectiveness of mindfulness-based interventions for people with recent-onset psychosis: A systematic review. <i>Microbial Biotechnology</i> , <b>2021</b> , 15, 3-15	3.3	1
259	. <i>IEEE Transactions on Big Data</i> , <b>2021</b> , 7, 421-435	3.2	
258	Trajectory and image-based detection and identification of UAV. <i>Visual Computer</i> , <b>2021</b> , 37, 1769-1780	2.3	3
257	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
256	Deep learning-based bone suppression in chest radiographs using CT-derived features: a feasibility study. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2021</b> , 11, 4807-4819	3.6	
255	Efficient Global-Local Memory for Real-Time Instrument Segmentation of Robotic Surgical Video. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 341-351	0.9	1
254	Boundary-Aware Transformers for Skin Lesion Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 206-216	0.9	6
253	Selective Learning from External Data for CT Image Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 420-430	0.9	
252	Multikernel Correntropy for Robust Learning. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	3
251	Obesity and COVID-19 in Adult Patients With Diabetes. <i>Diabetes</i> , <b>2021</b> , 70, 1061-1069	0.9	7
250	A prediction of hematoma expansion in hemorrhagic patients using a novel dual-modal machine learning strategy. <i>Physiological Measurement</i> , <b>2021</b> , 42,	2.9	1
249	Deep Learning-Based Computed Tomography Perfusion Mapping (DL-CTPM) for Pulmonary CT-to-Perfusion Translation. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2021</b> , 110, 1508-1518	4.15	3
248	Practical wildcard searchable encryption with tree-based index. <i>International Journal of Intelligent Systems</i> , <b>2021</b> , 36, 7475	8.4	2
247	Feasibility and Effects of Virtual Reality Motor-Cognitive Training in Community-Dwelling Older People With Cognitive Frailty: Pilot Randomized Controlled Trial. <i>JMIR Serious Games</i> , <b>2021</b> , 9, e28400	3.4	7
246	Early neoplasia identification in Barrett's esophagus via attentive hierarchical aggregation and self-distillation. <i>Medical Image Analysis</i> , <b>2021</b> , 72, 102092	15.4	3

245	Efficient Computer-Aided Design of Dental Inlay Restoration: A Deep Adversarial Framework. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , 40, 2415-2427	11.7	4
244	A New Cytotoxic Evodiamine Derivative From <i>Tetradium ruticarpum</i> (A. Jussieu) T. G. Hartley. <i>Natural Product Communications</i> , <b>2021</b> , 16, 1934578X2110403	0.9	
243	A Few-Shot Learning-Based Siamese Capsule Network for Intrusion Detection with Imbalanced Training Data. <i>Computational Intelligence and Neuroscience</i> , <b>2021</b> , 2021, 7126913	3	4
242	Modified GAN-CAED to Minimize Risk of Unintentional Liver Major Vessels Cutting by Controlled Segmentation Using CTA/SPET-CT. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 7991-8002	11.9	0
241	Parkinson's Disease Classification and Clinical Score Regression via United Embedding and Sparse Learning From Longitudinal Data. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	5
240	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
239	Identifying Quantitative and Explanatory Tumor Indexes from Dynamic Contrast Enhanced Ultrasound. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 638-647	0.9	
238	Collaborative and Adversarial Learning of Focused and Dispersive Representations for Semi-supervised Polyp Segmentation <b>2021</b> ,		1
237	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
236	Exploring Duality in Visual Question-Driven Top-Down Saliency. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 2672-2679	10.3	6
235	Real-Time Hierarchical Supervoxel Segmentation via a Minimum Spanning Tree. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , 29, 9665-9677	8.7	2
234	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
233	Transforming Intensity Distribution of Brain Lesions Via Conditional Gans for Segmentation <b>2020</b> ,		4
232	CNN in CT Image Segmentation: Beyond Loss Function for Exploiting Ground Truth Images <b>2020</b> ,		9
231	Towards Usable Cloud Storage Auditing. <i>IEEE Transactions on Parallel and Distributed Systems</i> , <b>2020</b> , 31, 2605-2617	3.7	6
230	Publicly Verifiable Shared Dynamic Electronic Health Record Databases with Functional Commitment Supporting Privacy-Preserving Integrity Auditing. <i>IEEE Transactions on Cloud Computing</i> , <b>2020</b> , 1-1	3.3	1
229	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
228	Industrial Applications of Ultrahigh Definition Video Coding With an Optimized Supersample Adaptive Offset Framework. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 7613-7623	11.9	4

227	Individualised risk prediction model for new-onset, progression and regression of chronic kidney disease in a retrospective cohort of patients with type 2 diabetes under primary care in Hong Kong. <i>BMJ Open</i> , <b>2020</b> , 10, e035308	3	4
226	Privacy-Preserving Outsourced Inner Product Computation on Encrypted Database. <i>IEEE Transactions on Dependable and Secure Computing</i> , <b>2020</b> , 1-1	3.9	0
225	. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , 1-1	8.7	14
224	Crowd Counting Via Cross-Stage Refinement Networks. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , 29, 6800-6812	8.7	10
223	Public awareness, news promptness and the measles outbreak in Hong Kong from March to April, 2019. <i>Infectious Diseases</i> , <b>2020</b> , 52, 284-290	3.1	3
222	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
221	A noise-immune LSTM network for short-term traffic flow forecasting. <i>Chaos</i> , <b>2020</b> , 30, 023135	3.3	17
220	Coupled Rain Streak and Background Estimation via Separable Element-Wise Attention. <i>IEEE Access</i> , <b>2020</b> , 8, 16627-16636	3.5	
219	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
218	Exploiting user reviews for automatic movie tagging. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 79, 11399-11419	3.3	13
217	Adaptive sparse learning using multi-template for neurodegenerative disease diagnosis. <i>Medical Image Analysis</i> , <b>2020</b> , 61, 101632	15.4	10
216	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
215	Domain-invariant interpretable fundus image quality assessment. <i>Medical Image Analysis</i> , <b>2020</b> , 61, 101654	5.4	17
214	An Efficient Public Batch Auditing Scheme for Data Integrity in Standard Model. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 578-592	0.9	0
213	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
212	SPST-CNN: Spatial pyramid based searching and tagging of liverB intraoperative live views via CNN for minimal invasive surgery. <i>Journal of Biomedical Informatics</i> , <b>2020</b> , 106, 103430	10.2	6
211	Shape Mask Generator: Learning to Refine Shape Priors for Segmenting Overlapping Cervical Cytoplasm. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 639-649	0.9	1
210	Learning 3D Features with 2D CNNs via Surface Projection for CT Volume Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 176-186	0.9	3

209	Skin lesion segmentation via generative adversarial networks with dual discriminators. <i>Medical Image Analysis</i> , <b>2020</b> , 64, 101716	15.4	64
208	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
207	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
206	Joint weighted least squares for normal decomposition of 3D measurement surface. <i>Measurement Science and Technology</i> , <b>2020</b> , 31, 045401	2	
205	. <i>IEEE Transactions on Multimedia</i> , <b>2020</b> , 22, 1395-1406	6.6	3
204	PSO-ELM: A Hybrid Learning Model for Short-Term Traffic Flow Forecasting. <i>IEEE Access</i> , <b>2020</b> , 8, 6505-6514	5.4	44
203	. <i>IEEE Transactions on Multimedia</i> , <b>2020</b> , 22, 2012-2023	6.6	2
202	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
201	ST-TrafficNet: A Spatial-Temporal Deep Learning Network for Traffic Forecasting. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1474	2.6	26
200	A Novel Transfer Support Matrix Machine for Motor Imagery-Based Brain Computer Interface. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 606949	5.1	2
199	A Dynamic Searchable Symmetric Encryption Scheme for Multiuser with Forward and Backward Security. <i>Security and Communication Networks</i> , <b>2020</b> , 2020, 1-13	1.9	1
198	Geometry and Learning Co-Supported Normal Estimation for Unstructured Point Cloud <b>2020</b> ,		6
197	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
196	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
195	Saliency-Aware Texture Smoothing. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2020</b> , 26, 2471-2484	4	13
194	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
193	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
192	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

191	Example-Based Colourization Via Dense Encoding Pyramids. <i>Computer Graphics Forum</i> , <b>2020</b> , 39, 20-33	2.4	10
190	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
189	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
188	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
187	AttentionNet: Learning Where to Focus via Attention Mechanism for Anatomical Segmentation of Whole Breast Ultrasound Images <b>2019</b> ,		3
186	Decision-Augmented Generative Adversarial Network for Skin Lesion Segmentation <b>2019</b> ,		3
185	<b>2019</b> ,		1
184	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
183	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
182	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
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	Joint Optimization of Transform and Quantization for High Efficiency Video Coding. <i>IEEE Access</i> , <b>2019</b> , 7, 62534-62544	3.5	5
179	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
178	A Secure and Efficient Data Sharing and Searching Scheme in Wireless Sensor Networks. <i>Sensors</i> , <b>2019</b> , 19,	3.8	3
177	Data-driven Geometry-recovering Mesh Denoising. <i>CAD Computer Aided Design</i> , <b>2019</b> , 114, 133-142	2.9	22
176	Mesh-based computation for solving bas-relief reconstruction from editable normal image. <i>Measurement Science and Technology</i> , <b>2019</b> , 30, 045402	2	1
175	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
174	. <i>IEEE Transactions on Cloud Computing</i> , <b>2019</b> , 1-1	3.3	13

173	A Lightweight Identity-Based Cloud Storage Auditing Supporting Proxy Update and Workload-Based Payment. <i>Security and Communication Networks</i> , <b>2019</b> , 2019, 1-15	1.9	2
172	Phase-shifting of the transmissibility of macrolide-sensitive and resistant <i>Mycoplasma pneumoniae</i> epidemics in Hong Kong, from 2015 to 2018. <i>International Journal of Infectious Diseases</i> , <b>2019</b> , 81, 251-253	10.5	6
171	Exploring Popularity Predictability of Online Videos With Fourier Transform. <i>IEEE Access</i> , <b>2019</b> , 7, 41823-41834	3.4	4
170	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2019</b> , 29, 1946-1961	6.4	7
169	Towards Automated Semantic Segmentation in Prenatal Volumetric Ultrasound. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 180-193	11.7	45
168	Retinal Vessel Segmentation Using Minimum Spanning Superpixel Tree Detector. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 2707-2719	10.2	26
167	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
166	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
165	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
164	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
163	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
162	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
161	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
160	A Secure Data Sharing Scheme with Designated Server. <i>Security and Communication Networks</i> , <b>2019</b> , 2019, 1-16	1.9	1
159	Segmentation of Overlapping Cytoplasm in Cervical Smear Images via Adaptive Shape Priors Extracted From Contour Fragments. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 2849-2862	11.7	6
158	Age estimation via attribute-region association. <i>Neurocomputing</i> , <b>2019</b> , 367, 346-356	5.4	3
157	Breast cancer mortality in Chinese women: does migrant status play a role?. <i>Annals of Epidemiology</i> , <b>2019</b> , 40, 28-34.e2	6.4	1
156	Associations between Public Awareness, Local Precipitation, and Cholera in Yemen in 2017. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2019</b> , 101, 521-524	3.2	5



155	Abdominal Adipose Tissue Segmentation in MRI with Double Loss Function Collaborative Learning. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 41-49	0.9	1
154	Crowdsourced Time-Sync Video Recommendation via Semantic-Aware Neural Collaborative Filtering. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 171-186	0.9	0
153	Improved Wavelet Threshold for Image De-noising. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 39	5.1	6
152	Automatic Choroid Layer Segmentation from Optical Coherence Tomography Images Using Deep Learning. <i>Scientific Reports</i> , <b>2019</b> , 9, 3058	4.9	29
151	Deep Multi-Model Fusion for Single-Image Dehazing <b>2019</b> ,		41
150	Single Image Reflection Removal Beyond Linearity <b>2019</b> ,		37
149	Surface Reconstruction From Normals: A Robust DGP-Based Discontinuity Preservation Approach <b>2019</b> ,		4
148	<b>2019</b> ,		11
147	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
146	Granger Causality Analysis Based on Quantized Minimum Error Entropy Criterion. <i>IEEE Signal Processing Letters</i> , <b>2019</b> , 26, 347-351	3.2	6
145	An improved scheme for outsourced computation with attribute-based encryption. <i>Concurrency Computation Practice and Experience</i> , <b>2019</b> , 31, e4833	1.4	2
144	Effect of PLK1 inhibition on cisplatin-resistant gastric cancer cells. <i>Journal of Cellular Physiology</i> , <b>2019</b> , 234, 5904-5914	7	7
143	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
142	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
141	Fuzzy matching: multi-authority attribute searchable encryption without central authority. <i>Soft Computing</i> , <b>2019</b> , 23, 527-536	3.5	3
140	Bas-Relief Modeling from Normal Layers. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2019</b> , 25, 1651-1665	4	25
139	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
138	Mixture correntropy for robust learning. <i>Pattern Recognition</i> , <b>2018</b> , 79, 318-327	7.7	65

137	. <i>IEEE Transactions on Multimedia</i> , <b>2018</b> , 20, 3033-3044	6.6	
136	Secure Hashing-Based Verifiable Pattern Matching. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2018</b> , 13, 2677-2690	8	5
135	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
134	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
133	Centerline Extraction of Vasculature Mesh. <i>IEEE Access</i> , <b>2018</b> , 6, 10257-10268	3.5	7
132	3D Deeply-Supervised U-Net Based Whole Heart Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 224-232	0.9	10
131	Feature-preserving ultrasound speckle reduction via L0 minimization. <i>Neurocomputing</i> , <b>2018</b> , 294, 48-60	5.4	5
130	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
129	VoxResNet: Deep voxelwise residual networks for brain segmentation from 3D MR images. <i>NeuroImage</i> , <b>2018</b> , 170, 446-455	7.9	364
128	Animating Wall-Bounded Turbulent Smoke via Filament-Mesh Particle-Particle Method. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2018</b> , 24, 1260-1273	4	3
127	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
126	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
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124	Sparse Support Matrix Machine. <i>Pattern Recognition</i> , <b>2018</b> , 76, 715-726	7.7	31
123	ScanNet: A Fast and Dense Scanning Framework for Metastatic Breast Cancer Detection from Whole-Slide Image <b>2018</b> ,		26
122	Frequent Itemsets Mining With Differential Privacy Over Large-Scale Data. <i>IEEE Access</i> , <b>2018</b> , 6, 28877-28889	5.9	6
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120	Robust Learning With Kernel Mean -Power Error Loss. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> , 48, 2101-2113	10.3	31

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118	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
117	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
116	Direction-Aware Spatial Context Features for Shadow Detection <b>2018</b> ,		75
115	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
114	Multi-task Fundus Image Quality Assessment via Transfer Learning and Landmarks Detection. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 28-36	0.9	2
113	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
112	ASCII Art Synthesis from Natural Photographs. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2017</b> , 23, 1910-1923	4	5
111	3D FractalNet: Dense Volumetric Segmentation for Cardiovascular MRI Volumes. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 103-110	0.9	20
110	Fast feature-preserving speckle reduction for ultrasound images via phase congruency. <i>Signal Processing</i> , <b>2017</b> , 134, 275-284	4.4	14
109	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
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103	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
102	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

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100	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
99	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
98	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
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93	Deep Cascaded Networks for Sparsely Distributed Object Detection from Medical Images <b>2017</b> , 133-154		2
92	Feature Asymmetry Anisotropic Diffusion for Speckle Reduction. <i>Journal of Medical Imaging and Health Informatics</i> , <b>2017</b> , 7, 197-202	1.2	2
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90	AGNet: Attention-Guided Network for Surgical Tool Presence Detection. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 186-194	0.9	8
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88	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
87	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
86	Threshold attribute-based signcryption and its application to authenticated key agreement. <i>Security and Communication Networks</i> , <b>2016</b> , 9, 4914-4923	1.9	5
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82	A secure biometric authentication based on PEKS. <i>Concurrency Computation Practice and Experience</i> , <b>2016</b> , 28, 1111-1123	1.4	4
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79	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
78	Automatic Cystocele Severity Grading in Ultrasound by Spatio-Temporal Regression. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 9901, 247-255	0.9	
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75	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
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71	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
70	Selective Level Set Segmentation Using Fuzzy Region Competition. <i>IEEE Access</i> , <b>2016</b> , 4, 4777-4788	3.5	27
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68	Illumination-invariant and deformation-tolerant inner knuckle print recognition using portable devices. <i>Sensors</i> , <b>2015</b> , 15, 4326-52	3.8	6
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66	Automatic Brain Tumor Segmentation from MR Images via a Multimodal Sparse Coding Based Probabilistic Model <b>2015</b> ,		3

65	Haptic rendering of drilling process in orthopedic surgical simulation based on the volumetric object <b>2015</b> ,		3
64	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
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61	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
60	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
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58	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
57	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
56	Application of L0-Norm Regularization to Epicardial Potential Reconstruction. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 493-500	0.9	1
55	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
54	Phase-based feature detection in fetal ultrasound images <b>2014</b> ,		1
53	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
52	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
51	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
50	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
49	A Function Private Attribute-Based Encryption. <i>International Journal of Distributed Sensor Networks</i> , <b>2014</b> , 10, 749568	1.7	
48	Speckle reduction by phase-based weighted least squares. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2014</b> , 2014, 3909-12	0.9	

47	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
46	Effective user training for motor imagery based brain computer interface with object-directed 3D visual display <b>2014</b> ,		2
45	Towards Personalized Biomechanical Model and MIND-Weighted Point Matching for Robust Deformable MR-TRUS Registration. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 121-130	0.9	1
44	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
43	SenseViewer: A unified rendering interface of visual and haptic cues in medical images <b>2013</b> ,		2
42	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
41	Mesh quality oriented 3D geometric vascular modeling based on parallel transport frame. <i>Computers in Biology and Medicine</i> , <b>2013</b> , 43, 879-88	7	3
40	A multiresolution framework for ultrasound image segmentation by combinative active contours. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2013</b> , 2013, 1144-7	0.9	2
39	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
38	Learning based automatic head detection and measurement from fetal ultrasound images via prior knowledge and imaging parameters <b>2013</b> ,		9
37	Effect of Packet Loss on Collaborative Haptic Interactions in Networked Virtual Environments: An Experimental Study. <i>Presence: Teleoperators and Virtual Environments</i> , <b>2013</b> , 22, 36-53	2.9	3
36	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
35	Fast rendering of diffusion curves with triangles. <i>IEEE Computer Graphics and Applications</i> , <b>2012</b> , 32, 68-78	7	13
34	Using sequential floating forward selection algorithm to detect epileptic seizure in EEG signals <b>2012</b> ,		7
33	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
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30	Packet-loss-resilient perception-based haptic data reduction and transmission using ACK packets <b>2012</b> ,		2

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27	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
26	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
25	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
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23	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
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21	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
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17	Learning blood management in orthopedic surgery through gameplay. <i>IEEE Computer Graphics and Applications</i> , <b>2010</b> , 30, 45-57	1.7	40
16	Particle-based simulation of blood flow and vessel wall interactions in virtual surgery <b>2010</b> ,		14
15	Fast Prototyping of Virtual Reality Based Surgical Simulators with PhysX-enabled GPU. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 176-188	0.9	5
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10	Accelerating Active Shape Model using GPU for facial extraction in video <b>2009</b> ,			2
9	CUDA-based acceleration and algorithm refinement for volume image registration <b>2009</b> ,			4
8	Image Processing and Modeling for Active Needle Steering in Liver Surgery <b>2009</b> ,			3
7	A Physically-Based Modeling and Simulation Framework for Facial Animation <b>2009</b> ,			7
6	An efficient sorting algorithm with CUDA <b>2009</b> , 32, 915-921			6
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4	A note on a provable secure encryption scheme. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2008</b> , 13, 655-658	0.6		1
3	ECiSS: A Middleware Based Development Framework for Enhancing Collaboration in Surgical Simulation <b>2007</b> ,			2
2	Improving Vaccine Safety Using Blockchain. <i>ACM Transactions on Internet Technology</i> ,	3.8		3
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