Yuanjie Zheng

List of Publications by Citations

85 papers	**1,073** citations	**16** h-index	**30** g-index
94 ext. papers	**1,552** ext. citations	**4.3** avg, IF	**4.81** L-index

#	Paper	IF	Citations
85	Breast Cancer Multi-classification from Histopathological Images with Structured Deep Learning Model. *Scientific Reports*, **2017**, 7, 4172	4.9	209
84	Choroid segmentation from Optical Coherence Tomography with graph-edge weights learned from deep convolutional neural networks. *Neurocomputing*, **2017**, 237, 332-341	5.4	85
83	Detection and segmentation of overlapped fruits based on optimized mask R-CNN application in apple harvesting robot. *Computers and Electronics in Agriculture*, **2020**, 172, 105380	6.5	71
82	IDRiD: Diabetic Retinopathy - Segmentation and Grading Challenge. *Medical Image Analysis*, **2020**, 59, 101561	15.4	63
81	Parenchymal texture analysis in digital mammography: A fully automated pipeline for breast cancer risk assessment. *Medical Physics*, **2015**, 42, 4149-60	4.4	57
80	Deep-Learning-Based Small Surface Defect Detection via an Exaggerated Local Variation-Based Generative Adversarial Network. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 1343-1351	11.9	31
79	Landmark matching based retinal image alignment by enforcing sparsity in correspondence matrix. *Medical Image Analysis*, **2014**, 18, 903-13	15.4	30
78	Multi-layer multi-view topic model for classifying advertising video. *Pattern Recognition*, **2017**, 68, 66-81	7.7	26
77	Optic disc and cup segmentation from color fundus photograph using graph cut with priors. *Lecture Notes in Computer Science*, **2013**, 16, 75-82	0.9	26
76	A novel optimized GA-Elman neural network algorithm. *Neural Computing and Applications*, **2019**, 31, 449-459	4.8	24
75	A reliable method for colorectal cancer prediction based on feature selection and support vector machine. *Medical and Biological Engineering and Computing*, **2019**, 57, 901-912	3.1	21
74	Classifying advertising video by topicalizing high-level semantic concepts. *Multimedia Tools and Applications*, **2018**, 77, 25475-25511	2.5	20
73	A CTR prediction model based on user interest via attention mechanism. *Applied Intelligence*, **2020**, 50, 1192-1203	4.9	20
72	Apple harvesting robot under information technology: A review. *International Journal of Advanced Robotic Systems*, **2020**, 17, 172988142092531	1.4	19
71	Activation of the Notch-Nox4-reactive oxygen species signaling pathway induces cell death in high glucose-treated human retinal endothelial cells. *Molecular Medicine Reports*, **2019**, 19, 667-677	2.9	18
70	Parenchymal texture analysis in digital mammography: robust texture feature identification and equivalence across devices. *Journal of Medical Imaging*, **2015**, 2, 024501	2.6	16
69	Deblurring sequential ocular images from multi-spectral imaging (MSI) via mutual information. *Medical and Biological Engineering and Computing*, **2018**, 56, 1107-1113	3.1	14

68	Deblurring retinal optical coherence tomography via a convolutional neural network with anisotropic and double convolution layer. *IET Computer Vision*, **2018**, 12, 900-907	1.4	14
67	Scalable Mammogram Retrieval Using Composite Anchor Graph Hashing With Iterative Quantization. *IEEE Transactions on Circuits and Systems for Video Technology*, **2017**, 27, 2450-2460	6.4	13
66	A Selective Ensemble Classification Method Combining Mammography Images with Ultrasound Images for Breast Cancer Diagnosis. *Computational and Mathematical Methods in Medicine*, **2017**, 2017, 4896386	2.8	13
65	Learning Deep Match Kernels for Image-Set Classification **2017**,		12
64	Estimation of image bias field with sparsity constraints **2010**,		12
63	Deep Propagation Based Image Matting **2018**,		12
62	Automatic correction of intensity nonuniformity from sparseness of gradient distribution in medical images. *Lecture Notes in Computer Science*, **2009**, 12, 852-9	0.9	12
61	Fast Recognition and Location of Target Fruit Based on Depth Information. *IEEE Access*, **2019**, 7, 170553-170563	3.5	12
60	A novel green apple segmentation algorithm based on ensemble U-Net under complex orchard environment. *Computers and Electronics in Agriculture*, **2021**, 180, 105900	6.5	12
59	Retinal Image Denoising via Bilateral Filter with a Spatial Kernel of Optimally Oriented Line Spread Function. *Computational and Mathematical Methods in Medicine*, **2017**, 2017, 1769834	2.8	11
58	Deep Group-Wise Registration for Multi-Spectral Images From Fundus Images. *IEEE Access*, **2019**, 7, 27650-27661	3.5	11
57	Fruit recognition based on pulse coupled neural network and genetic Elman algorithm application in apple harvesting robot. *International Journal of Advanced Robotic Systems*, **2020**, 17, 172988141989747	1.4	10
56	Revealing False Positive Features in Epileptic EEG Identification. *International Journal of Neural Systems*, **2020**, 30, 2050017	6.2	10
55	Joint alignment of multispectral images via semidefinite programming. *Biomedical Optics Express*, **2017**, 8, 890-901	3.5	9
54	Graph Attention Network with Focal Loss for Seizure Detection on Electroencephalography Signals. *International Journal of Neural Systems*, **2021**, 31, 2150027	6.2	9
53	Groupwise registration of sequential images from multispectral imaging (MSI) of the retina and choroid. *Optics Express*, **2016**, 24, 25277-25290	3.3	8
52	Whale optimized mixed kernel function of support vector machine for colorectal cancer diagnosis. *Journal of Biomedical Informatics*, **2019**, 92, 103124	10.2	8
51	A new scale for the assessment of conjunctival bulbar redness. *Ocular Surface*, **2018**, 16, 436-440	6.5	7

50 Quantitative Radiomic Features as New Biomarkers for Alzheimer's Disease: An Amyloid PET Study. *Cerebral Cortex*, **2021**, 31, 3950-3961 — 5.1 — 7

49 Segmenting Diabetic Retinopathy Lesions in Multispectral Images Using Low-Dimensional Spatial-Spectral Matrix Representation. *IEEE Journal of Biomedical and Health Informatics*, **2020**, 24, 493-502 — 7.2 — 7

48 EEG-Based Seizure detection using linear graph convolution network with focal loss. *Computer Methods and Programs in Biomedicine*, **2021**, 208, 106277 — 6.9 — 7

47 . *IEEE Transactions on Multimedia*, **2014**, 16, 571-578 — 6.6 — 6

46 Development and Evaluation of Semiautomated Quantification of Lissamine Green Staining of the Bulbar Conjunctiva From Digital Images. *JAMA Ophthalmology*, **2017**, 135, 1078-1085 — 3.9 — 6

45 Multimodal Image Alignment via Linear Mapping between Feature Modalities. *Journal of Healthcare Engineering*, **2017**, 2017, 8625951 — 3.7 — 6

44 Controllability of k-Valued Fuzzy Cognitive Maps. *IEEE Transactions on Fuzzy Systems*, **2020**, 28, 1694-1707 — 8.3 — 6

43 Cascaded MultiTask 3-D Fully Convolutional Networks for Pancreas Segmentation. *IEEE Transactions on Cybernetics*, **2021**, 51, 2153-2165 — 10.2 — 6

42 MAMDA: Inferring microRNA-Disease associations with manifold alignment. *Computers in Biology and Medicine*, **2019**, 110, 156-163 — 7 — 5

41 Measuring sparse temporal-variation for accurate registration of dynamic contrast-enhanced breast MR images. *Computerized Medical Imaging and Graphics*, **2015**, 46 Pt 1, 73-80 — 7.6 — 5

40 Performance evaluation of simple linear iterative clustering algorithm on medical image processing. *Bio-Medical Materials and Engineering*, **2014**, 24, 3231-8 — 1 — 5

39 Instrument Variables for Reducing Noise in Parallel MRI Reconstruction. *BioMed Research International*, **2017**, 2017, 9016826 — 3 — 4

38 Controllability of Boolean networks via input controls under Harvey's update scheme. *Chaos*, **2016**, 26, 023111 — 3.3 — 4

37 DGR-Net: Deep Groupwise Registration of Multispectral Images. *Lecture Notes in Computer Science*, **2019**, 706-717 — 0.9 — 3

36 Liver MRI segmentation with edge-preserved intensity inhomogeneity correction. *Signal, Image and Video Processing*, **2018**, 12, 791-798 — 1.6 — 3

35 Classification of Motor Imagery Electrocorticogram Signals for Brain-Computer Interface* **2019**, — 3

34 Measuring Spectral Inconsistency of Multispectral Images for Detection and Segmentation of Retinal Degenerative Changes. *Scientific Reports*, **2017**, 7, 11288 — 4.9 — 3

33 Deep Hierarchical Representation from Classifying Logo-405. *Complexity*, **2017**, 2017, 1-12 — 1.6 — 3

32	An Attention-Based Convolutional Neural Network for Acute Lymphoblastic Leukemia Classification. *Applied Sciences (Switzerland)*, **2021**, 11, 10662	2.6	3
31	Posting Techniques in Indoor Environments Based on Deep Learning for Intelligent Building Lighting System. *IEEE Access*, **2020**, 8, 13674-13682	3.5	3
30	Superordinate Level Processing Has Priority Over Basic-Level Processing in Scene Gist Recognition. *I-Perception*, **2016**, 7, 2041669516681307	1.2	3
29	. *IEEE Transactions on Multimedia*, **2021**, 23, 2310-2320	6.6	3
28	Total variation based DCE-MRI decomposition by separating lesion from background for time-intensity curve estimation. *Medical Physics*, **2017**, 44, 2321-2331	4.4	2
27	A Reliable Small Sample Classification Algorithm by Elman Neural Network Based on PLS and GA. *Journal of Classification*, **2019**, 36, 306-321	1.2	2
26	Automated recognition and discrimination of human–animal interactions using Fisher vector and hidden Markov model. *Signal, Image and Video Processing*, **2019**, 13, 993-1000	1.6	2
25	Channel and Spatial Attention Regression Network for Cup-to-Disc Ratio Estimation. *Electronics (Switzerland)*, **2020**, 9, 909	2.6	2
24	Optic Disc Detection from Fundus Photography via Best-Buddies Similarity. *Applied Sciences (Switzerland)*, **2018**, 8, 709	2.6	2
23	Image Segmentation by Searching for Image Feature Density Peaks. *Applied Sciences (Switzerland)*, **2018**, 8, 969	2.6	2
22	Even faster retinal vessel segmentation via accelerated singular value decomposition. *Neural Computing and Applications*, **2020**, 32, 1893-1902	4.8	2
21	Deep multispectral image registration network. *Computerized Medical Imaging and Graphics*, **2021**, 87, 101815	7.6	2
20	Ocular multi-spectral imaging deblurring via regularization of mutual information. *Pattern Recognition Letters*, **2019**, 127, 56-65	4.7	1
19	Density Peak Clustering Algorithm Considering Topological Features. *Electronics (Switzerland)*, **2020**, 9, 459	2.6	1
18	Interactive Trimap Generation for Digital Matting Based on Single-Sample Learning. *Electronics (Switzerland)*, **2020**, 9, 659	2.6	1
17	GPredicates: GPU Implementation of Robust and Adaptive Floating-Point Predicates for Computational Geometry. *IEEE Access*, **2019**, 7, 60868-60876	3.5	1
16	Face Identification With Top-Push Constrained Generalized Low-Rank Approximation of Matrices. *IEEE Access*, **2019**, 7, 160998-161007	3.5	1
15	A fast and efficient green apple object detection model based on Foveabox. *Journal of King Saud University - Computer and Information Sciences*, **2022**,	2.5	1

14	Multiview multimodal network for breast cancer diagnosis in contrast-enhanced spectral mammography images. *International Journal of Computer Assisted Radiology and Surgery*, **2021**, 16, 979-988	3.9	1
13	Regional radiomics similarity networks (R2SNs) in the human brain: Reproducibility, small-world properties and a biological basis. *Network Neuroscience*, **2021**, 5, 783-797	5.6	1
12	Joint Fine-Grained Components Continuously Enhance Chinese Word Embeddings. *IEEE Access*, **2019**, 7, 174699-174708	3.5	1
11	Prediction Method of Three-Dimensional Crack Propagation Path Based on Deep Learning Application. *Advanced Engineering Materials*, **2021**, 23, 2001043	3.5	1
10	Association of Tau Pathology With Clinical Symptoms in the Subfields of Hippocampal Formation. *Frontiers in Aging Neuroscience*, **2021**, 13, 672077	5.3	1
9	Decoding Color Visual Working Memory from EEG Signals Using Graph Convolutional Neural Networks.. *International Journal of Neural Systems*, **2021**, 2250003	6.2	1
8	LogoDet-3K: A Large-scale Image Dataset for Logo Detection. *ACM Transactions on Multimedia Computing, Communications and Applications*, **2022**, 18, 1-19	3.4	0
7	Multimodality registration for ocular multispectral images via co-embedding. *Neural Computing and Applications*, **2020**, 32, 5435-5447	4.8	0
6	SDOF-GAN: Symmetric Dense Optical Flow Estimation With Generative Adversarial Networks. *IEEE Transactions on Image Processing*, **2021**, 30, 6036-6049	8.7	0
5	A semi-supervised learning framework for micropapillary adenocarcinoma detection.. *International Journal of Computer Assisted Radiology and Surgery*, **2022**, 17, 639	3.9	
4	Morphometry Difference of the Hippocampal Formation Between Blind and Sighted Individuals. *Frontiers in Neuroscience*, **2021**, 15, 715749	5.1	
3	Guided Networks for Few-Shot Image Segmentation and Fully Connected CRFs. *Electronics (Switzerland)*, **2020**, 9, 1508	2.6	
2	Symmetric Deformable Registration via Learning a Pseudomean for MR Brain Images. *Journal of Healthcare Engineering*, **2021**, 2021, 5520196	3.7	
1	Deep representation for classification of refrigerator image via novel convolutional neural network **2021**, 44, 33-40		