

Tianfu Wang

List of Publications by Year in descending order

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264
papers

8,996
citations

50170

46
h-index

53109

85
g-index

272
all docs

272
docs citations

272
times ranked

9925
citing authors

#	ARTICLE	IF	CITATIONS
1	Glucose-Responsive Sequential Generation of Hydrogen Peroxide and Nitric Oxide for Synergistic Cancer Starving-Like/Gas Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1229-1233.	7.2	505
2	Deep Learning in Medical Ultrasound Analysis: A Review. <i>Engineering</i> , 2019, 5, 261-275.	3.2	459
3	A Cross-Modality Learning Approach for Vessel Segmentation in Retinal Images. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 109-118.	5.4	454
4	Standard Plane Localization in Fetal Ultrasound via Domain Transferred Deep Neural Networks. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015, 19, 1627-1636.	3.9	291
5	Accurate Segmentation of Cervical Cytoplasm and Nuclei Based on Multiscale Convolutional Network and Graph Partitioning. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 2421-2433.	2.5	229
6	Recent Advances in Photoacoustic Imaging for Deep-Tissue Biomedical Applications. <i>Theranostics</i> , 2016, 6, 2394-2413.	4.6	213
7	PD-1 Blockade Cellular Vesicles for Cancer Immunotherapy. <i>Advanced Materials</i> , 2018, 30, e1707112.	11.1	196
8	Core-Satellite Polydopamine-Gadolinium-Metallofullerene Nanotheranostics for Multimodal Imaging Guided Combination Cancer Therapy. <i>Advanced Materials</i> , 2017, 29, 1701013.	11.1	185
9	Melanoma Recognition in Dermoscopy Images via Aggregated Deep Convolutional Features. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1006-1016.	2.5	172
10	Accurate Cervical Cell Segmentation from Overlapping Clumps in Pap Smear Images. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 288-300.	5.4	167
11	FUIQA: Fetal Ultrasound Image Quality Assessment With Deep Convolutional Networks. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 1336-1349.	6.2	161
12	Skin lesion segmentation via generative adversarial networks with dual discriminators. <i>Medical Image Analysis</i> , 2020, 64, 101716.	7.0	156
13	Breast Cancer Detection and Diagnosis Using Mammographic Data: Systematic Review. <i>Journal of Medical Internet Research</i> , 2019, 21, e14464.	2.1	155
14	Deep Learning Framework for Alzheimer's Disease Diagnosis via 3D-CNN and FSBi-LSTM. <i>IEEE Access</i> , 2019, 7, 63605-63618.	2.6	150
15	Stacked deep polynomial network based representation learning for tumor classification with small ultrasound image dataset. <i>Neurocomputing</i> , 2016, 194, 87-94.	3.5	141
16	Enhanced Afterglow Performance of Persistent Luminescence Implants for Efficient Repeatable Photodynamic Therapy. <i>ACS Nano</i> , 2017, 11, 5864-5872.	7.3	136
17	Deep Attentive Features for Prostate Segmentation in 3D Transrectal Ultrasound. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2768-2778.	5.4	126
18	MRI-guided and ultrasound-triggered release of NO by advanced nanomedicine. <i>Nanoscale</i> , 2017, 9, 3637-3645.	2.8	124

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19	A Versatile Theranostic Nanoemulsion for Architecture-Dependent Multimodal Imaging and Dually Augmented Photodynamic Therapy. <i>Advanced Materials</i> , 2019, 31, e1806444.	11.1	124
20	Autophagy- and MMP-2/9-mediated Reduction and Redistribution of ZO-1 Contribute to Hyperglycemia-increased Blood-Brain Barrier Permeability During Early Reperfusion in Stroke. <i>Neuroscience</i> , 2018, 377, 126-137.	1.1	118
21	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> , 2017, 36, 802-814.	5.4	116
22	Reversible watermarking scheme for medical image based on differential evolution. <i>Expert Systems With Applications</i> , 2014, 41, 3178-3188.	4.4	114
23	Dense Deconvolutional Network for Skin Lesion Segmentation. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 527-537.	3.9	114
24	VerSe: A Vertebrae labelling and segmentation benchmark for multi-detector CT images. <i>Medical Image Analysis</i> , 2021, 73, 102166.	7.0	112
25	Intratumoral H ₂ O ₂ -triggered release of CO from a metal carbonyl-based nanomedicine for efficient CO therapy. <i>Chemical Communications</i> , 2017, 53, 5557-5560.	2.2	110
26	Degradable silver-based nanoplatform for synergistic cancer starving-like/metal ion therapy. <i>Materials Horizons</i> , 2019, 6, 169-175.	6.4	106
27	Deeply-Supervised Networks With Threshold Loss for Cancer Detection in Automated Breast Ultrasound. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 866-876.	5.4	102
28	Convolutional neural networks based transfer learning for diabetic retinopathy fundus image classification. , 2017, , .		100
29	Stretchable Supercapacitors as Emergent Energy Storage Units for Health Monitoring Bioelectronics. <i>Advanced Energy Materials</i> , 2020, 10, 1902769.	10.2	93
30	Relational-Regularized Discriminative Sparse Learning for Alzheimer's Disease Diagnosis. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 1102-1113.	6.2	89
31	Automation-assisted cervical cancer screening in manual liquid-based cytology with hematoxylin and eosin staining. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 214-230.	1.1	78
32	Segmentation of cytoplasm and nuclei of abnormal cells in cervical cytology using global and local graph cuts. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 369-380.	3.5	76
33	Multi-task learning for quality assessment of fetal head ultrasound images. <i>Medical Image Analysis</i> , 2019, 58, 101548.	7.0	76
34	Automatic Fetal Head Circumference Measurement in Ultrasound Using Random Forest and Fast Ellipse Fitting. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018, 22, 215-223.	3.9	75
35	A Deep Convolutional Neural Network-Based Framework for Automatic Fetal Facial Standard Plane Recognition. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018, 22, 874-885.	3.9	73
36	Fully Automated Delineation of Gross Tumor Volume for Head and Neck Cancer on PET-CT Using Deep Learning: A Dual-Center Study. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-12.	0.4	71

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37	Glucose-Responsive Sequential Generation of Hydrogen Peroxide and Nitric Oxide for Synergistic Cancer Starving-Like/Gas Therapy. <i>Angewandte Chemie</i> , 2017, 129, 1249-1253.	1.6	70
38	Cascaded Fully Convolutional Networks for automatic prenatal ultrasound image segmentation. , 2017, , .		64
39	3D Multi-Attention Guided Multi-Task Learning Network for Automatic Gastric Tumor Segmentation and Lymph Node Classification. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1618-1631.	5.4	64
40	Discriminative Learning for Alzheimer's Disease Diagnosis via Canonical Correlation Analysis and Multimodal Fusion. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 77.	1.7	62
41	Quantification of Liver Viscoelasticity with Acoustic Radiation Force: A Study of Hepatic Fibrosis in a Rat Model. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 2091-2102.	0.7	60
42	Standard Plane Localization in Ultrasound by Radial Component Model and Selective Search. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 2728-2742.	0.7	60
43	CR-Unet: A Composite Network for Ovary and Follicle Segmentation in Ultrasound Images. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 974-983.	3.9	59
44	Intratumoral high-payload delivery and acid-responsive release of H ₂ for efficient cancer therapy using the ammonia borane-loaded mesoporous silica nanomedicine. <i>Applied Materials Today</i> , 2018, 11, 136-143.	2.3	56
45	Breast Cancer Image Classification via Multi-Network Features and Dual-Network Orthogonal Low-Rank Learning. <i>IEEE Access</i> , 2020, 8, 27779-27792.	2.6	53
46	GP-GAN: Brain tumor growth prediction using stacked 3D generative adversarial networks from longitudinal MR Images. <i>Neural Networks</i> , 2020, 132, 321-332.	3.3	53
47	Graph convolution network with similarity awareness and adaptive calibration for disease-induced deterioration prediction. <i>Medical Image Analysis</i> , 2021, 69, 101947.	7.0	53
48	Black Phosphorus Nanosheets for Mild Hyperthermia-Enhanced Chemotherapy and Chemo-Photothermal Combination Therapy. <i>Nanotheranostics</i> , 2017, 1, 208-216.	2.7	52
49	Deep and joint learning of longitudinal data for Alzheimer's disease prediction. <i>Pattern Recognition</i> , 2020, 102, 107247.	5.1	52
50	A Generic Quality Control Framework for Fetal Ultrasound Cardiac Four-Chamber Planes. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 931-942.	3.9	51
51	Intelligent Metal Carbonyl Metal-Organic Framework Nanocomplex for Fluorescent Traceable H ₂ O ₂ -Triggered CO Delivery. <i>Chemistry - A European Journal</i> , 2018, 24, 11667-11674.	1.7	47
52	Self-calibrated brain network estimation and joint non-convex multi-task learning for identification of early Alzheimer's disease. <i>Medical Image Analysis</i> , 2020, 61, 101652.	7.0	47
53	Semi-automatic Breast Ultrasound Image Segmentation Based on Mean Shift and Graph Cuts. <i>Ultrasonic Imaging</i> , 2014, 36, 256-276.	1.4	46
54	Intelligent scanning: Automated standard plane selection and biometric measurement of early gestational sac in routine ultrasound examination. <i>Medical Physics</i> , 2012, 39, 5015-5027.	1.6	44

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55	Logistic regression analysis of conventional ultrasonography, strain elastosonography, and contrast-enhanced ultrasound characteristics for the differentiation of benign and malignant thyroid nodules. PLoS ONE, 2017, 12, e0188987.	1.1	44
56	Fused Sparse Network Learning for Longitudinal Analysis of Mild Cognitive Impairment. IEEE Transactions on Cybernetics, 2021, 51, 233-246.	6.2	43
57	Colorectal polyp segmentation using a fully convolutional neural network. , 2017, , .		42
58	Graph-based segmentation of abnormal nuclei in cervical cytology. Computerized Medical Imaging and Graphics, 2017, 56, 38-48.	3.5	41
59	Hybrid dermoscopy image classification framework based on deep convolutional neural network and Fisher vector. , 2017, , .		37
60	Convolutional descriptors aggregation via cross-net for skin lesion recognition. Applied Soft Computing Journal, 2020, 92, 106281.	4.1	37
61	Segmentation, Splitting, and Classification of Overlapping Bacteria in Microscope Images for Automatic Bacterial Vaginosis Diagnosis. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1095-1104.	3.9	36
62	Condition-specific gene co-expression network mining identifies key pathways and regulators in the brain tissue of Alzheimer's disease patients. BMC Medical Genomics, 2018, 11, 115.	0.7	36
63	Oriented boronate affinity-imprinted inverse opal hydrogel for glycoprotein assay via colorimetry. Mikrochimica Acta, 2020, 187, 348.	2.5	36
64	Diagnosis of early Alzheimer's disease based on dynamic high order networks. Brain Imaging and Behavior, 2021, 15, 276-287.	1.1	36
65	Effective connectivity of brain regions related to visual word recognition: An fMRI study of Chinese reading. Human Brain Mapping, 2015, 36, 2580-2591.	1.9	35
66	The Role of Viscosity Estimation for Oil-in-gelatin Phantom in Shear Wave Based Ultrasound Elastography. Ultrasound in Medicine and Biology, 2015, 41, 601-609.	0.7	34
67	Optimal and secure audio watermarking scheme based on self-adaptive particle swarm optimization and quaternion wavelet transform. Signal Processing, 2015, 113, 80-94.	2.1	34
68	Increased gene expression noise in human cancers is correlated with low p53 and immune activities as well as late stage cancer. Oncotarget, 2016, 7, 72011-72020.	0.8	33
69	Fall detection for elderly person care using convolutional neural networks. , 2017, , .		32
70	Automatic Recognition of Fetal Facial Standard Plane in Ultrasound Image via Fisher Vector. PLoS ONE, 2015, 10, e0121838.	1.1	32
71	Dual attention enhancement feature fusion network for segmentation and quantitative analysis of paediatric echocardiography. Medical Image Analysis, 2021, 71, 102042.	7.0	30
72	A deep learning based framework for accurate segmentation of cervical cytoplasm and nuclei. , 2014, 2014, 2903-6.		29

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73	Optimal image watermarking scheme based on chaotic map and quaternion wavelet transform. <i>Nonlinear Dynamics</i> , 2014, 78, 2897-2907.	2.7	29
74	High tissue contrast image synthesis via multistage attention-GAN: Application to segmenting brain MR scans. <i>Neural Networks</i> , 2020, 132, 43-52.	3.3	29
75	Multipurpose watermarking scheme via intelligent method and chaotic map. <i>Multimedia Tools and Applications</i> , 2019, 78, 27085-27107.	2.6	28
76	Dense deconvolution net: Multi path fusion and dense deconvolution for high resolution skin lesion segmentation. <i>Technology and Health Care</i> , 2018, 26, 307-316.	0.5	27
77	Cross-attention multi-branch network for fundus diseases classification using SLO images. <i>Medical Image Analysis</i> , 2021, 71, 102031.	7.0	26
78	Alzheimer's disease diagnosis framework from incomplete multimodal data using convolutional neural networks. <i>Journal of Biomedical Informatics</i> , 2021, 121, 103863.	2.5	26
79	Saliency-driven image classification method based on histogram mining and image score. <i>Pattern Recognition</i> , 2015, 48, 2567-2580.	5.1	25
80	Kartogenin hydrolysis product 4-aminobiphenyl distributes to cartilage and mediates cartilage regeneration. <i>Theranostics</i> , 2019, 9, 7108-7121.	4.6	25
81	Medical image fusion method based on dense block and deep convolutional generative adversarial network. <i>Neural Computing and Applications</i> , 2021, 33, 6595-6610.	3.2	25
82	Noninvasive assessment of age-related stiffness of crystalline lenses in a rabbit model using ultrasound elastography. <i>BioMedical Engineering OnLine</i> , 2018, 17, 75.	1.3	24
83	Patterns of Gray Matter Abnormalities in Idiopathic Generalized Epilepsy: A Meta-Analysis of Voxel-Based Morphology Studies. <i>PLoS ONE</i> , 2017, 12, e0169076.	1.1	24
84	Core regulatory RNA molecules identified in articular cartilage stem/progenitor cells during osteoarthritis progression. <i>Epigenomics</i> , 2019, 11, 669-684.	1.0	23
85	Synergistic integration of metal nanoclusters and biomolecules as hybrid systems for therapeutic applications. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 1175-1199.	5.7	23
86	Discriminative Learning for Automatic Staging of Placental Maturity via Multi-layer Fisher Vector. <i>Scientific Reports</i> , 2015, 5, 12818.	1.6	22
87	Facile Coordination-Precipitation Route to Insoluble Metal Roussin's Black Salts for NIR-Responsive Release of NO for Anti-Metastasis. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36473-36477.	4.0	22
88	Graph Convolutional Network Analysis for Mild Cognitive Impairment Prediction. , 2019, , .		22
89	Melanin-instructed biomimetic synthesis of copper sulfide for cancer phototheranostics. <i>Chemical Engineering Journal</i> , 2020, 388, 124232.	6.6	22
90	AIDAN: An Attention-Guided Dual-Path Network for Pediatric Echocardiography Segmentation. <i>IEEE Access</i> , 2020, 8, 29176-29187.	2.6	22

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91	Multicenter and Multichannel Pooling GCN for Early AD Diagnosis Based on Dual-Modality Fused Brain Network. IEEE Transactions on Medical Imaging, 2023, 42, 354-367.	5.4	22
92	Multispectral Image Alignment With Nonlinear Scale-Invariant Keypoint and Enhanced Local Feature Matrix. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1551-1555.	1.4	21
93	Cancer Immunotherapy: PD-1 Blockade Cellular Vesicles for Cancer Immunotherapy (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlo 11.1	11.1	21
94	Aggregating Deep Convolutional Features for Melanoma Recognition in Dermoscopy Images. Lecture Notes in Computer Science, 2017, , 238-246.	1.0	21
95	A Deep Learning Framework for Identifying Zone I in RetCam Images. IEEE Access, 2019, 7, 103530-103537.	2.6	20
96	Bioinspired photonic barcodes for multiplexed target cycling and hybridization chain reaction. Biosensors and Bioelectronics, 2019, 143, 111629.	5.3	20
97	A Novel End-to-End Hybrid Network for Alzheimer's Disease Detection Using 3D CNN and 3D CLSTM. , 2020, , .		20
98	Self-weighted adaptive structure learning for ASD diagnosis via multi-template multi-center representation. Medical Image Analysis, 2020, 63, 101662.	7.0	20
99	High-intensity focused ultrasound (HIFU) ablation versus surgical interventions for the treatment of symptomatic uterine fibroids: a meta-analysis. European Radiology, 2022, 32, 1195-1204.	2.3	20
100	Selective Search and Sequential Detection for Standard Plane Localization in Ultrasound. Lecture Notes in Computer Science, 2013, , 203-211.	1.0	20
101	FR-KECA: Fuzzy robust kernel entropy component analysis. Neurocomputing, 2015, 149, 1415-1423.	3.5	19
102	Application of Multimodal MR Imaging on Studying Alzheimer's Disease: A Survey. Current Alzheimer Research, 2013, 10, 877-892.	0.7	18
103	Quantitative analysis of liver fibrosis in rats with shearwave dispersion ultrasound vibrometry: Comparison with dynamic mechanical analysis. Medical Engineering and Physics, 2014, 36, 1401-1407.	0.8	17
104	Densely Deep Supervised Networks with Threshold Loss for Cancer Detection in Automated Breast Ultrasound. Lecture Notes in Computer Science, 2018, , 641-648.	1.0	17
105	Macroscopic Cerebral Tumor Growth Modeling From Medical Images: A Review. IEEE Access, 2018, 6, 30663-30679.	2.6	17
106	Uterine Artery Embolization Compared with High-intensity Focused Ultrasound Ablation for the Treatment of Symptomatic Uterine Myomas: A Systematic Review and Meta-analysis. Journal of Minimally Invasive Gynecology, 2021, 28, 218-227.	0.3	16
107	Image-guided thermal ablation in the management of symptomatic adenomyosis: a systematic review and meta-analysis. International Journal of Hyperthermia, 2021, 38, 948-962.	1.1	16
108	Parameter-Free Loss for Class-Imbalanced Deep Learning in Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3234-3240.	7.2	16

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109	An End-to-End Deep Network for Reconstructing CT Images Directly From Sparse Sinograms. IEEE Transactions on Computational Imaging, 2020, 6, 1548-1560.	2.6	16
110	Cytoplasm segmentation on cervical cell images using graph cut-based approach. Bio-Medical Materials and Engineering, 2014, 24, 1125-1131.	0.4	15
111	Segmenting overlapping cervical cell in Pap smear images. , 2016, , .		15
112	Longitudinal Analysis for Disease Progression via Simultaneous Multi-Relational Temporal-Fused Learning. Frontiers in Aging Neuroscience, 2017, 9, 6.	1.7	15
113	3D Inception U-Net with Asymmetric Loss for Cancer Detection in Automated Breast Ultrasound. Medical Physics, 2020, 47, 5582-5591.	1.6	15
114	Augmented Multicenter Graph Convolutional Network for COVID-19 Diagnosis. IEEE Transactions on Industrial Informatics, 2021, 17, 6499-6509.	7.2	15
115	Neural signatures of lexical tone reading. Human Brain Mapping, 2015, 36, 304-312.	1.9	14
116	Bridging Computational Features Toward Multiple Semantic Features with Multi-task Regression: A Study of CT Pulmonary Nodules. Lecture Notes in Computer Science, 2016, , 53-60.	1.0	14
117	3D Convolutional Neural Network and Stacked Bidirectional Recurrent Neural Network for Alzheimer's Disease Diagnosis. Lecture Notes in Computer Science, 2018, , 138-146.	1.0	14
118	Neuroimaging Retrieval via Adaptive Ensemble Manifold Learning for Brain Disease Diagnosis. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1661-1673.	3.9	14
119	Ultrasound-guided Microwave Ablation in the Management of Symptomatic Uterine Myomas: A Systematic Review and Meta-analysis. Journal of Minimally Invasive Gynecology, 2021, 28, 1982-1992.	0.3	14
120	A Practical Segmentation Method for Automated Screening of Cervical Cytology. , 2011, , .		13
121	Learning based automatic head detection and measurement from fetal ultrasound images via prior knowledge and imaging parameters. , 2013, , .		13
122	Fully automatic and nonparametric quantification of adipose tissue in fat-water separation MR imaging. Medical and Biological Engineering and Computing, 2015, 53, 1247-1254.	1.6	13
123	Combinatorial analyses reveal cellular composition changes have different impacts on transcriptomic changes of cell type specific genes in Alzheimer's Disease. Scientific Reports, 2021, 11, 353.	1.6	13
124	Multispectral Image Matching Using Rotation-Invariant Distance. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 406-410.	1.4	12
125	Automatic human spermatozoa detection in microscopic video streams based on OpenCV. , 2012, , .		12
126	Automatic recognition of fetal standard plane in ultrasound image. , 2014, , .		12

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127	Measurement of Quantitative Viscoelasticity of Bovine Corneas Based on Lamb Wave Dispersion Properties. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 1461-1472.	0.7	12
128	High Tissue Contrast MRI Synthesis Using Multi-Stage Attention-GAN for Segmentation. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020, 34, 4067-4074.	3.6	12
129	Multi-scale wavelet network algorithm for pediatric echocardiographic segmentation via hierarchical feature guided fusion. <i>Applied Soft Computing Journal</i> , 2021, 107, 107386.	4.1	12
130	Model-dependent and model-independent approaches for evaluating hepatic fibrosis in rat liver using shearwave dispersion ultrasound vibrometry. <i>Medical Engineering and Physics</i> , 2017, 39, 66-72.	0.8	11
131	An optimized generic cerebral tumor growth modeling framework by coupling biomechanical and diffusive models with treatment effects. <i>Applied Soft Computing Journal</i> , 2019, 80, 617-627.	4.1	11
132	Agent With Warm Start and Adaptive Dynamic Termination for Plane Localization in 3D Ultrasound. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1950-1961.	5.4	11
133	Automated detection of retinopathy of prematurity by deep attention network. <i>Multimedia Tools and Applications</i> , 2021, 80, 36341-36360.	2.6	11
134	Use of Optical Flow to Estimate Continuous Changes in Muscle Thickness from Ultrasound Image Sequences. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 2194-2201.	0.7	10
135	Multi-modal and multi-layout discriminative learning for placental maturity staging. <i>Pattern Recognition</i> , 2017, 63, 719-730.	5.1	10
136	Fabrication and Performance of a Miniaturized and Integrated Endoscope Ultrasound Convex Array for Digestive Tract Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 140-148.	2.5	10
137	Joint Learning of Multiple Longitudinal Prediction Models by Exploring Internal Relations. <i>Lecture Notes in Computer Science</i> , 2015, , 330-337.	1.0	10
138	Automatic staging of placental maturity based on dense descriptor. <i>Bio-Medical Materials and Engineering</i> , 2014, 24, 2821-2829.	0.4	9
139	Fetal facial standard plane recognition via very deep convolutional networks. , 2016, 2016, 627-630.		9
140	Upregulation of SOX4 antagonizes cellular senescence in esophageal squamous cell carcinoma. <i>Oncology Letters</i> , 2016, 12, 1367-1372.	0.8	9
141	Ex vivo study of acoustic radiation force impulse imaging elastography for evaluation of rat liver with steatosis. <i>Ultrasonics</i> , 2017, 74, 161-166.	2.1	9
142	Automatic cystocele severity grading in transperineal ultrasound by random forest regression. <i>Pattern Recognition</i> , 2017, 63, 551-560.	5.1	9
143	Longitudinal score prediction for Alzheimer's disease based on ensemble correntropy and spatial-temporal constraint. <i>Brain Imaging and Behavior</i> , 2019, 13, 126-137.	1.1	9
144	Transforming Intensity Distribution of Brain Lesions Via Conditional Gans for Segmentation. , 2020, , .		9

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145	Ultrasound vibrometry using orthogonal- frequency-based vibration pulses. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 2359-2370.	1.7	8
146	Continuous fascicle orientation measurement of medial gastrocnemius muscle in ultrasonography using frequency domain Radon transform. Biomedical Signal Processing and Control, 2015, 20, 117-124.	3.5	8
147	A real time displacement estimation algorithm for ultrasound elastography. Computers in Industry, 2015, 69, 61-71.	5.7	8
148	Evaluation of Non-alcoholic Fatty Liver Disease Using Acoustic Radiation Force Impulse Imaging Elastography in Rat Models. Ultrasound in Medicine and Biology, 2017, 43, 2619-2628.	0.7	8
149	Quality Assessment of Fetal Head Ultrasound Images Based on Faster R-CNN. Lecture Notes in Computer Science, 2018, , 38-46.	1.0	8
150	Automatic and Efficient Standard Plane Recognition in Fetal Ultrasound Images via Multi-scale Dense Networks. Lecture Notes in Computer Science, 2018, , 160-168.	1.0	8
151	MelanomaNet: An Effective Network for Melanoma Detection. , 2019, 2019, 1613-1616.		8
152	3D IFPN: Improved Feature Pyramid Network for Automatic Segmentation of Gastric Tumor. Frontiers in Oncology, 2021, 11, 618496.	1.3	8
153	Auto-weighted centralised multi-task learning via integrating functional and structural connectivity for subjective cognitive decline diagnosis. Medical Image Analysis, 2021, 74, 102248.	7.0	8
154	Photo-triggered Drug Delivery Systems for Neuron-related Applications. Current Medicinal Chemistry, 2019, 26, 1406-1422.	1.2	8
155	A Graph-Based Segmentation Method for Breast Tumors in Ultrasound Images. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	7
156	SCALE INVARIANT FEATURE MATCHING USING ROTATION-INVARIANT DISTANCE FOR REMOTE SENSING IMAGE REGISTRATION. International Journal of Pattern Recognition and Artificial Intelligence, 2013, 27, 1354004.	0.7	7
157	Computer aided wireless capsule endoscopy video segmentation. Medical Physics, 2015, 42, 645-652.	1.6	7
158	Diagnosis of obsessive-compulsive disorder via spatial similarity-aware learning and fused deep polynomial network. Medical Image Analysis, 2022, 75, 102244.	7.0	7
159	3D Deep Attentive U-Net with Transformer for Breast Tumor Segmentation from Automated Breast Volume Scanner. , 2021, 2021, 4011-4014.		7
160	Standard plane localization in ultrasound by radial component. , 2014, , .		6
161	Automatic Vaginal Bacteria Segmentation and Classification Based on Superpixel and Deep Learning. Journal of Medical Imaging and Health Informatics, 2014, 4, 781-786.	0.2	6
162	Automatic placental maturity grading via hybrid learning. Neurocomputing, 2017, 223, 86-102.	3.5	6

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163	Non-coalescence of oppositely charged droplets in viscous oils. Applied Physics Letters, 2019, 115, .	1.5	6
164	Sparse Low-rank Constrained Adaptive Structure Learning using Multi-template for Autism Spectrum Disorder Diagnosis. , 2019, , .		6
165	HBNet: Hybrid Blocks Network for Segmentation of Gastric Tumor from Ordinary CT Images. , 2020, , .		6
166	Multi-channel Sparse Graph Transformer Network for Early Alzheimerâ€™s Disease Identification. , 2021, , .		6
167	NAS-optimized topology-preserving transfer learning for differentiating cortical folding patterns. Medical Image Analysis, 2022, 77, 102316.	7.0	6
168	Interaction between microbubble and elastic microvessel in low frequency ultrasound field using finite element method. Science Bulletin, 2013, 58, 291-298.	1.7	5
169	MRI-GUIDED NAVIGATION AND POSITIONING SOLUTION FOR REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION. Biomedical Engineering - Applications, Basis and Communications, 2013, 25, 1350012.	0.3	5
170	A supervised method using convolutional neural networks for retinal vessel delineation. , 2015, , .		5
171	Retinal vessel landmark detection using deep learning and hessian matrix. , 2015, , .		5
172	Multi-task fused sparse learning for mild cognitive impairment identification. Technology and Health Care, 2018, 26, 437-448.	0.5	5
173	Cancer Theranostics: A Versatile Theranostic Nanoemulsion for Architectureâ€Dependent Multimodal Imaging and Dually Augmented Photodynamic Therapy (Adv. Mater. 21/2019). Advanced Materials, 2019, 31, 1970155.	11.1	5
174	Low-Rank Based Image Analyses for Pathological MR Image Segmentation and Recovery. Frontiers in Neuroscience, 2019, 13, 333.	1.4	5
175	AutoPath: Image-Specific Inference for 3D Segmentation. Frontiers in Neurorobotics, 2020, 14, 49.	1.6	5
176	Attention-guided Deep Multi-instance Learning for Staging Retinopathy of Prematurity. , 2021, , .		5
177	Quality evaluation of induced pluripotent stem cell colonies by fusing multi-source features. Computer Methods and Programs in Biomedicine, 2021, 208, 106235.	2.6	5
178	Cardiac Motion Scoring Based on CNN with Attention Mechanism. , 2019, , .		5
179	A twoâ€stage multiresolution neural network for automatic diagnosis of hepatic echinococcosis from ultrasound images: A multicenter study. Medical Physics, 2022, 49, 3199-3212.	1.6	5
180	Automatic Prostate Gleason Grading Using Pyramid Semantic Parsing Network in Digital Histopathology. Frontiers in Oncology, 2022, 12, 772403.	1.3	5

#	ARTICLE	IF	CITATIONS
181	Unsupervised domain selective graph convolutional network for preoperative prediction of lymph node metastasis in gastric cancer. <i>Medical Image Analysis</i> , 2022, 79, 102467.	7.0	5
182	Rapid Image Registration for Extended-Field-of-View Ultrasound. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	4
183	Automatic measurement of early gestational sac diameters from one scan session. <i>Proceedings of SPIE</i> , 2011, , .	0.8	4
184	Impacts of the capsule on estimation of shear viscoelasticity of livers. , 2011, , .		4
185	Continuous thickness measurement of rectus femoris muscle in ultrasound image sequences: A completely automated approach. <i>Biomedical Signal Processing and Control</i> , 2013, 8, 792-798.	3.5	4
186	A multimodal investigation of in vivo muscle behavior: System design and data analysis. , 2014, , .		4
187	Automated segmentation of abnormal cervical cells using global and local graph cuts. , 2014, , .		4
188	Ultrasound Microbubbles Enhance the Neuroprotective Effect of Mouse Nerve Growth Factor on Intraocular Hypertension-Induced Neuroretina Damage in Rabbits. <i>Journal of Ophthalmology</i> , 2016, 2016, 1-9.	0.6	4
189	Viscoelastic properties of normal rat liver measured by ultrasound elastography: Comparison with oscillatory rheometry. <i>Biorheology</i> , 2017, 53, 193-207.	1.2	4
190	Pulsation of electrified jet in capillary microfluidics. <i>Scientific Reports</i> , 2017, 7, 5673.	1.6	4
191	Join and Deep Ensemble Regression of Clinical Scores for Alzheimer's Disease Using Longitudinal and Incomplete Data. , 2018, 2018, 1254-1257.		4
192	Role of acoustic radiation force impulse imaging elastography in the assessment of steatohepatitis and fibrosis in rat models. <i>Medical Engineering and Physics</i> , 2018, 59, 30-35.	0.8	4
193	Decision-Augmented Generative Adversarial Network for Skin Lesion Segmentation. , 2019, , .		4
194	Parameter-Free Gaussian PSF Model for Extended Depth of Field in Brightfield Microscopy. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 3227-3238.	6.0	4
195	ARVBNNet: Real-Time Detection of Anatomical Structures in Fetal Ultrasound Cardiac Four-Chamber Planes. <i>Lecture Notes in Computer Science</i> , 2019, , 130-137.	1.0	4
196	A GPRS-based wearable electronic thermometric alarm system. , 2012, , .		3
197	Placental maturity evaluation via feature fusion and discriminative learning. , 2016, , .		3
198	Adaptive ensemble manifold learning for neuroimaging retrieval. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
199	Identifying transient patterns of in vivo muscle behaviors during isometric contraction by local polynomial regression. <i>Biomedical Signal Processing and Control</i> , 2016, 24, 93-102.	3.5	3
200	Skin Lesion Segmentation via Dense Connected Deconvolutional Network. , 2018, , .		3
201	Auto-context fully convolutional network for levator hiatus segmentation in ultrasound images. , 2018, , .		3
202	Low Rank Self-calibrated Brain Network Estimation and Autoweighted Centralized Multi-Task Learning for Early Mild Cognitive Impairment Diagnosis. , 2019, 2019, 185-188.		3
203	Skin Lesion Segmentation via Deep RefineNet. <i>Lecture Notes in Computer Science</i> , 2017, , 303-311.	1.0	3
204	SPRNet: Automatic Fetal Standard Plane Recognition Network for Ultrasound Images. <i>Lecture Notes in Computer Science</i> , 2019, , 38-46.	1.0	3
205	Hierarchical Clustering of Gene Expression Data with Divergence Measure. , 2009, , .		2
206	Continuous Detection of Muscle Aspect Ratio Using Keypoint Tracking in Ultrasonography. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 2361-2369.	2.5	2
207	Regularized nonnegative matrix factorization for clustering gene expression data. , 2013, , .		2
208	Robust watermarking scheme for medical image using optimization method. , 2013, , .		2
209	Automatic grading of placental maturity based on LIOP and fisher vector. , 2014, 2014, 4671-4.		2
210	Fabrication and performance of a 64Å—5 element 1.5D active matrix array transducer for medical imaging. <i>Sensors and Actuators A: Physical</i> , 2014, 214, 81-87.	2.0	2
211	High-Curie-temperature relaxor piezoelectric single crystals for 1.5D ultrasound phased-array applications. <i>Materials Letters</i> , 2015, 145, 258-260.	1.3	2
212	An automatic calibration system for binocular stereo imaging. , 2016, , .		2
213	Multi-view face detector using a single cascade classifier. , 2016, , .		2
214	Glucose-Responsive Sequential Generation of Hydrogen Peroxide and Nitric Oxide for Synergistic Cancer Starving-Like/Gas Therapy (<i>Angew. Chem.</i> 5/2017). <i>Angewandte Chemie</i> , 2017, 129, 1446-1446.	1.6	2
215	Longitudinal analysis for mild cognitive impairment identification via fused group learning with smooth regularization. , 2017, , .		2
216	A high-speed end-to-end approach for retinal arteriovenous segmentation. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
217	Longitudinal Analysis of Mild Cognitive Impairment via Sparse Smooth Network and Attention-Based Stacked Bi-Directional Long-Short Term Memory. , 2020, , .		2
218	Glioma Growth Prediction via Generative Adversarial Learning from Multi-Time Points Magnetic Resonance Images. , 2020, 2020, 1750-1753.		2
219	Multi-scale Wavelet Network Algorithm for Pediatric Echocardiographic Segmentation via Feature Fusion. , 2021, , .		2
220	An Improved Consensus Clustering for Nonnegative Matrix Factorization in Molecular Cancer Class Discovery. , 2010, , .		1
221	Nonnegative tensor factorization for clustering genes with time series microarrays from different conditions: A case study. , 2010, , .		1
222	DEVELOPMENT OF A GENERIC ULTRASOUND VIBRO-ACOUSTIC IMAGING PLATFORM FOR TISSUE ELASTICITY AND VISCOSITY. Journal of Innovative Optical Health Sciences, 2012, 05, 1250002.	0.5	1
223	NEW FOCUSED ULTRASOUND TRANSDUCER FOR FAT CELL DISRUPTION. Journal of Innovative Optical Health Sciences, 2012, 05, 1250001.	0.5	1
224	Object recognition based on adaptive bag of feature and discriminative learning. , 2013, , .		1
225	IMPACT OF DYNAMICAL HYDRATION SHELL AROUND HA PROTEIN ON NONLINEAR CONCENTRATION DEPENDENT T-RAYS ABSORPTION. Journal of Innovative Optical Health Sciences, 2013, 06, 1350047.	0.5	1
226	Segmentation and Splitting of Touching Vaginal Bacteria Based on Superpixel and Effective Distance. , 2014, , .		1
227	Improved segmentation of abnormal cervical nuclei using a graph-search based approach. , 2015, , .		1
228	An improved spatio-temporally smoothed coherence factor combined with eigenspace-based minimum variance beamformer for plane-wave imaging in medical ultrasound. , 2017, , .		1
229	Hybrid descriptor for placental maturity grading. Multimedia Tools and Applications, 2020, 79, 21223-21239.	2.6	1
230	Semi-supervised Attention-Guided VNet for Breast Cancer Detection via Multi-task Learning. Lecture Notes in Computer Science, 2021, , 559-570.	1.0	1
231	The automatic ultrasound measurement of fetal head circumference. Shenzhen Daxue Xuebao (Ligong) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.1	1
232	Ultrasonic radiation force elastography system for measuring tissue viscoelasticity: an in vitro study on phantom and rat liver. Shenzhen Daxue Xuebao (Ligong Ban)/Journal of Shenzhen University Science and Engineering, 2013, 30, 54-59.	0.1	1
233	Rheological properties analysis of rats liver in fibrosis stages. Shenzhen Daxue Xuebao (Ligong) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.1	1
234	Fusing Multimodal and Anatomical Volumes of Interest Features Using Convolutional Auto-Encoder and Convolutional Neural Networks for Alzheimer's Disease Diagnosis. Frontiers in Aging Neuroscience, 2022, 14, 812870.	1.7	1

#	ARTICLE	IF	CITATIONS
235	Modeling of 3D Left Ventricular motion to evaluate paced myocardial function. , 2010, , .		0
236	Adaptive Ultrasound Imaging Using Forward-Backward Minimum Variance Beamforming and Coherence Weighting. , 2011, , .		0
237	Micromachined PMN-PT single crystal diaphragm for piezoelectric sensing applications. , 2011, , .		0
238	Accurate multi-spectral image registration based on scale invariant feature. , 2012, , .		0
239	Numerical analysis of interaction between microbubble and elastic microvessel in low frequency ultrasound field using fluid solid interaction method. , 2012, , .		0
240	A statistical approach for muscle fascicle orientation estimation in ultrasound images. , 2012, , .		0
241	Fabrication and performance of a 10 MHz annular array based on PMN-PT single crystal for medical imaging. , 2013, , .		0
242	Assessing tissue motions induced by orthogonal-frequency pulses and binary pulses using a laser vibrometer. , 2014, , .		0
243	Capsule endoscopy video segmentation by spectral clustering. , 2014, , .		0
244	Shear wave speed estimation by adaptive random sample consensus method. Bio-Medical Materials and Engineering, 2014, 24, 467-474.	0.4	0
245	Multipurpose and intelligent watermarking scheme for medical data. , 2015, , .		0
246	Discriminative learning for automatic staging of placental maturity via multi-layer fisher vector. , 2015, , .		0
247	Design and fabrication of an integrated convex ultrasound endoscope for digestive tract imaging. , 2015, , .		0
248	Fundus imagemosaic based on the SIFT feature. , 2015, , .		0
249	Ultrahigh Frequency Micromachined Ultrasound Transducers Based on Piezoelectric Single Crystalline Wafers. Journal of Medical Imaging and Health Informatics, 2015, 5, 374-377.	0.2	0
250	Evaluating hepatic fibrosis in rat liver by using ultrasound elastography: Comparison between model-dependent and model-independent approaches. , 2015, , .		0
251	In-vivo assessing the age-related stiffness of crystalline lens in rabbits by acoustic radiation force based ultrasound elastography. , 2017, , .		0
252	In-vivo assessing the age-related stiffness of crystalline lens in rabbits by acoustic radiation force based ultrasound elastography. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
253	Evaluation of the influence of severe steatosis on fibrosis measurement in a rat model with NAFLD by DMA and ARFI technology. , 2017, , .		0
254	A Coupled Modified Reaction Diffusion and Biomechanical Models for Cerebral Tumor Growth Modeling in Presence of Treatment. , 2018, 2018, 758-761.		0
255	Placental maturity grading via hybrid descriptors based on fisher vector. , 2018, , .		0
256	Walking Imagery Evaluation Based on Multi-view Features and Stacked Denoising Auto-encoder Network. , 2020, , .		0
257	Multi-directional Attention Network for Segmentation of Pediatric Echocardiographic. Lecture Notes in Computer Science, 2021, , 502-512.	1.0	0
258	Development of an ultrasound beamforming research platform based on SonixRP system. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
259	Simulation study on viscoelasticity measurement of soft tissue using the surface wave method. Shenzhen Daxue Xuebao (Ligong Ban)/Journal of Shenzhen University Science and Engineering, 2013, 30, 261-267.	0.1	0
260	Automatic Cystocele Severity Grading in Ultrasound by Spatio-Temporal Regression. Lecture Notes in Computer Science, 2016, 9901, 247-255.	1.0	0
261	Classification methods for diabetic retinopathy from retinal images. Rehabilitation Medicine, 2017, 34, 290.	0.1	0
262	Automatic recognition of levator hiatus based on fully convolutional neural networks. Shenzhen Daxue Xuebao (Ligong Ban)/Journal of Shenzhen University Science and Engineering, 2018, 35, 316.	0.1	0
263	Regional Cardiac Motion Scoring With Multi-Scale Motion-Based Spatial Attention. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 3116-3126.	3.9	0
264	Faster R-CNN for iPSC-Derived Mesenchymal Stromal Cells Senescent Detection from Bright-Field Microscopy. , 2022, , .		0