

# 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	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
2	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
3	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
4	Diagnosis of obsessive-compulsive disorder via spatial similarity-aware learning and fused deep polynomial network. Medical Image Analysis, 2022, 75, 102244.	7.0	7
5	NAS-optimized topology-preserving transfer learning for differentiating cortical folding patterns. Medical Image Analysis, 2022, 77, 102316.	7.0	6
6	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
7	A two-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
8	Automatic Prostate Gleason Grading Using Pyramid Semantic Parsing Network in Digital Histopathology. Frontiers in Oncology, 2022, 12, 772403.	1.3	5
9	Faster R-CNN for IPSC-Derived Mesenchymal Stromal Cells Senescent Detection from Bright-Field Microscopy. , 2022, , .		0
10	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
11	Unsupervised domain selective graph convolutional network for preoperative prediction of lymph node metastasis in gastric cancer. Medical Image Analysis, 2022, 79, 102467.	7.0	5
12	Diagnosis of early Alzheimer's disease based on dynamic high order networks. Brain Imaging and Behavior, 2021, 15, 276-287.	1.1	36
13	Medical image fusion method based on dense block and deep convolutional generative adversarial network. Neural Computing and Applications, 2021, 33, 6595-6610.	3.2	25
14	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
15	Fused Sparse Network Learning for Longitudinal Analysis of Mild Cognitive Impairment. IEEE Transactions on Cybernetics, 2021, 51, 233-246.	6.2	43
16	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
17	Agent With Warm Start and Adaptive Dynamic Termination for Plane Localization in 3D Ultrasound. IEEE Transactions on Medical Imaging, 2021, 40, 1950-1961.	5.4	11
18	Multi-scale Wavelet Network Algorithm for Pediatric Echocardiographic Segmentation via Feature Fusion. , 2021, , .		2

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19	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
20	Attention-guided Deep Multi-instance Learning for Staging Retinopathy of Prematurity. , 2021, , .		5
21	Multi-channel Sparse Graph Transformer Network for Early Alzheimerâ€™s Disease Identification. , 2021, , .		6
22	3D IFPN: Improved Feature Pyramid Network for Automatic Segmentation of Gastric Tumor. <i>Frontiers in Oncology</i> , 2021, 11, 618496.	1.3	8
23	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
24	Ultrasound-guided Microwave Ablation in the Management of Symptomatic Uterine Myomas: A Systematic Review and Meta-analysis. <i>Journal of Minimally Invasive Gynecology</i> , 2021, 28, 1982-1992.	0.3	14
25	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
26	Dual attention enhancement feature fusion network for segmentation and quantitative analysis of paediatric echocardiography. <i>Medical Image Analysis</i> , 2021, 71, 102042.	7.0	30
27	Cross-attention multi-branch network for fundus diseases classification using SLO images. <i>Medical Image Analysis</i> , 2021, 71, 102031.	7.0	26
28	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
29	Automated detection of retinopathy of prematurity by deep attention network. <i>Multimedia Tools and Applications</i> , 2021, 80, 36341-36360.	2.6	11
30	Quality evaluation of induced pluripotent stem cell colonies by fusing multi-source features. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 208, 106235.	2.6	5
31	Alzheimerâ€™s disease diagnosis framework from incomplete multimodal data using convolutional neural networks. <i>Journal of Biomedical Informatics</i> , 2021, 121, 103863.	2.5	26
32	Augmented Multicenter Graph Convolutional Network for COVID-19 Diagnosis. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 6499-6509.	7.2	15
33	VerSe: A Vertebrae labelling and segmentation benchmark for multi-detector CT images. <i>Medical Image Analysis</i> , 2021, 73, 102166.	7.0	112
34	Auto-weighted centralised multi-task learning via integrating functional and structural connectivity for subjective cognitive decline diagnosis. <i>Medical Image Analysis</i> , 2021, 74, 102248.	7.0	8
35	Combinatorial analyses reveal cellular composition changes have different impacts on transcriptomic changes of cell type specific genes in Alzheimerâ€™s Disease. <i>Scientific Reports</i> , 2021, 11, 353.	1.6	13
36	Semi-supervised Attention-Guided VNet for Breast Cancer Detection via Multi-task Learning. <i>Lecture Notes in Computer Science</i> , 2021, , 559-570.	1.0	1

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37	Multi-directional Attention Network for Segmentation of Pediatric Echocardiographic. Lecture Notes in Computer Science, 2021, , 502-512.	1.0	0
38	3D Deep Attentive U-Net with Transformer for Breast Tumor Segmentation from Automated Breast Volume Scanner. , 2021, 2021, 4011-4014.		7
39	CR-Unet: A Composite Network for Ovary and Follicle Segmentation in Ultrasound Images. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 974-983.	3.9	59
40	Deeply-Supervised Networks With Threshold Loss for Cancer Detection in Automated Breast Ultrasound. IEEE Transactions on Medical Imaging, 2020, 39, 866-876.	5.4	102
41	A Generic Quality Control Framework for Fetal Ultrasound Cardiac Four-Chamber Planes. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 931-942.	3.9	51
42	Breast Cancer Image Classification via Multi-Network Features and Dual-Network Orthogonal Low-Rank Learning. IEEE Access, 2020, 8, 27779-27792.	2.6	53
43	Stretchable Supercapacitors as Emergent Energy Storage Units for Health Monitoring Bioelectronics. Advanced Energy Materials, 2020, 10, 1902769.	10.2	93
44	Parameter-Free Gaussian PSF Model for Extended Depth of Field in Brightfield Microscopy. IEEE Transactions on Image Processing, 2020, 29, 3227-3238.	6.0	4
45	High tissue contrast image synthesis via multistage attention-GAN: Application to segmenting brain MR scans. Neural Networks, 2020, 132, 43-52.	3.3	29
46	GP-GAN: Brain tumor growth prediction using stacked 3D generative adversarial networks from longitudinal MR Images. Neural Networks, 2020, 132, 321-332.	3.3	53
47	Longitudinal Analysis of Mild Cognitive Impairment via Sparse Smooth Network and Attention-Based Stacked Bi-Directional Long-Short Term Memory. , 2020, , .		2
48	3D Inception U-Net with Asymmetric Loss for Cancer Detection in Automated Breast Ultrasound. Medical Physics, 2020, 47, 5582-5591.	1.6	15
49	Hybrid descriptor for placental maturity grading. Multimedia Tools and Applications, 2020, 79, 21223-21239.	2.6	1
50	AutoPath: Image-Specific Inference for 3D Segmentation. Frontiers in Neurorobotics, 2020, 14, 49.	1.6	5
51	Glioma Growth Prediction via Generative Adversarial Learning from Multi-Time Points Magnetic Resonance Images. , 2020, 2020, 1750-1753.		2
52	High Tissue Contrast MRI Synthesis Using Multi-Stage Attention-GAN for Segmentation. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 4067-4074.	3.6	12
53	HBNet: Hybrid Blocks Network for Segmentation of Gastric Tumor from Ordinary CT Images. , 2020, , .		6
54	Oriented boronate affinity-imprinted inverse opal hydrogel for glycoprotein assay via colorimetry. Mikrochimica Acta, 2020, 187, 348.	2.5	36

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55	Transforming Intensity Distribution of Brain Lesions Via Conditional Gans for Segmentation. , 2020, , .		9
56	A Novel End-to-End Hybrid Network for Alzheimer's Disease Detection Using 3D CNN and 3D CLSTM. , 2020, , .		20
57	Walking Imagery Evaluation Based on Multi-view Features and Stacked Denoising Auto-encoder Network. , 2020, , .		0
58	Melanin-instructed biomimetic synthesis of copper sulfide for cancer phototheranostics. Chemical Engineering Journal, 2020, 388, 124232.	6.6	22
59	AIDAN: An Attention-Guided Dual-Path Network for Pediatric Echocardiography Segmentation. IEEE Access, 2020, 8, 29176-29187.	2.6	22
60	Self-calibrated brain network estimation and joint non-convex multi-task learning for identification of early Alzheimer's disease. Medical Image Analysis, 2020, 61, 101652.	7.0	47
61	Self-weighted adaptive structure learning for ASD diagnosis via multi-template multi-center representation. Medical Image Analysis, 2020, 63, 101662.	7.0	20
62	Deep and joint learning of longitudinal data for Alzheimer's disease prediction. Pattern Recognition, 2020, 102, 107247.	5.1	52
63	Convolutional descriptors aggregation via cross-net for skin lesion recognition. Applied Soft Computing Journal, 2020, 92, 106281.	4.1	37
64	Skin lesion segmentation via generative adversarial networks with dual discriminators. Medical Image Analysis, 2020, 64, 101716.	7.0	156
65	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
66	Dense Deconvolutional Network for Skin Lesion Segmentation. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 527-537.	3.9	114
67	Melanoma Recognition in Dermoscopy Images via Aggregated Deep Convolutional Features. IEEE Transactions on Biomedical Engineering, 2019, 66, 1006-1016.	2.5	172
68	A Deep Learning Framework for Identifying Zone I in RetCam Images. IEEE Access, 2019, 7, 103530-103537.	2.6	20
69	Graph Convolutional Network Analysis for Mild Cognitive Impairment Prediction. , 2019, , .		22
70	Non-coalescence of oppositely charged droplets in viscous oils. Applied Physics Letters, 2019, 115, .	1.5	6
71	Multi-task learning for quality assessment of fetal head ultrasound images. Medical Image Analysis, 2019, 58, 101548.	7.0	76
72	Kartogenin hydrolysis product 4-aminobiphenyl distributes to cartilage and mediates cartilage regeneration. Theranostics, 2019, 9, 7108-7121.	4.6	25

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73	Decision-Augmented Generative Adversarial Network for Skin Lesion Segmentation. , 2019, , .		4
74	Sparse Low-rank Constrained Adaptive Structure Learning using Multi-template for Autism Spectrum Disorder Diagnosis. , 2019, , .		6
75	Bioinspired photonic barcodes for multiplexed target cycling and hybridization chain reaction. Biosensors and Bioelectronics, 2019, 143, 111629.	5.3	20
76	Degradable silver-based nanoplatform for synergistic cancer starving-like/metal ion therapy. Materials Horizons, 2019, 6, 169-175.	6.4	106
77	Deep Learning in Medical Ultrasound Analysis: A Review. Engineering, 2019, 5, 261-275.	3.2	459
78	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
79	Deep Learning Framework for Alzheimerâ€™s Disease Diagnosis via 3D-CNN and FSBi-LSTM. IEEE Access, 2019, 7, 63605-63618.	2.6	150
80	An optimized generic cerebral tumor growth modeling framework by coupling biomechanical and diffusive models with treatment effects. Applied Soft Computing Journal, 2019, 80, 617-627.	4.1	11
81	Low-Rank Based Image Analyses for Pathological MR Image Segmentation and Recovery. Frontiers in Neuroscience, 2019, 13, 333.	1.4	5
82	Deep Attentive Features for Prostate Segmentation in 3D Transrectal Ultrasound. IEEE Transactions on Medical Imaging, 2019, 38, 2768-2778.	5.4	126
83	A Versatile Theranostic Nanoemulsion for Architectureâ€Dependent Multimodal Imaging and Dually Augmented Photodynamic Therapy. Advanced Materials, 2019, 31, e1806444.	11.1	124
84	Core regulatory RNA molecules identified in articular cartilage stem/progenitor cells during osteoarthritis progression. Epigenomics, 2019, 11, 669-684.	1.0	23
85	Low Rank Self-calibrated Brain Network Estimation and Autoweighted Centralized Multi-Task Learning for Early Mild Cognitive Impairment Diagnosis. , 2019, 2019, 185-188.		3
86	MelanomaNet: An Effective Network for Melanoma Detection. , 2019, 2019, 1613-1616.		8
87	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
88	Longitudinal score prediction for Alzheimerâ€™s disease based on ensemble correntropy and spatialâ€temporal constraint. Brain Imaging and Behavior, 2019, 13, 126-137.	1.1	9
89	Multipurpose watermarking scheme via intelligent method and chaotic map. Multimedia Tools and Applications, 2019, 78, 27085-27107.	2.6	28
90	Cardiac Motion Scoring Based on CNN with Attention Mechanism. , 2019, , .		5

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91	Photo-triggered Drug Delivery Systems for Neuron-related Applications. <i>Current Medicinal Chemistry</i> , 2019, 26, 1406-1422.	1.2	8
92	Breast Cancer Detection and Diagnosis Using Mammographic Data: Systematic Review. <i>Journal of Medical Internet Research</i> , 2019, 21, e14464.	2.1	155
93	ARVNet: 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
94	SPRNet: Automatic Fetal Standard Plane Recognition Network for Ultrasound Images. <i>Lecture Notes in Computer Science</i> , 2019, , 38-46.	1.0	3
95	Intratumoral high-payload delivery and acid-responsive release of H2 for efficient cancer therapy using the ammonia borane-loaded mesoporous silica nanomedicine. <i>Applied Materials Today</i> , 2018, 11, 136-143.	2.3	56
96	PD-1 Blockade Cellular Vesicles for Cancer Immunotherapy. <i>Advanced Materials</i> , 2018, 30, e1707112.	11.1	196
97	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
98	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
99	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
100	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
101	Cancer Immunotherapy: PD-1 Blockade Cellular Vesicles for Cancer Immunotherapy ( <i>Adv. Mater.</i> )	11.1	21
102	Join and Deep Ensemble Regression of Clinical Scores for Alzheimer's Disease Using Longitudinal and Incomplete Data. , 2018, 2018, 1254-1257.		4
103	A Coupled Modified Reaction Diffusion and Biomechanical Models for Cerebral Tumor Growth Modeling in Presence of Treatment. , 2018, 2018, 758-761.		0
104	Condition-specific gene co-expression network mining identifies key pathways and regulators in the brain tissue of Alzheimer's disease patients. <i>BMC Medical Genomics</i> , 2018, 11, 115.	0.7	36
105	Skin Lesion Segmentation via Dense Connected Deconvolutional Network. , 2018, , .		3
106	Quality Assessment of Fetal Head Ultrasound Images Based on Faster R-CNN. <i>Lecture Notes in Computer Science</i> , 2018, , 38-46.	1.0	8
107	Automatic and Efficient Standard Plane Recognition in Fetal Ultrasound Images via Multi-scale Dense Networks. <i>Lecture Notes in Computer Science</i> , 2018, , 160-168.	1.0	8
108	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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109	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
110	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
111	Intelligent Metal Carbonyl Metal-Organic Framework Nanocomplex for Fluorescent Traceable H <sub>2</sub> O <sub>2</sub> -Triggered CO Delivery. Chemistry - A European Journal, 2018, 24, 11667-11674.	1.7	47
112	Auto-context fully convolutional network for levator hiatus segmentation in ultrasound images. , 2018, , .		3
113	Noninvasive assessment of age-related stiffness of crystalline lenses in a rabbit model using ultrasound elastography. BioMedical Engineering OnLine, 2018, 17, 75.	1.3	24
114	Multi-task fused sparse learning for mild cognitive impairment identification. Technology and Health Care, 2018, 26, 437-448.	0.5	5
115	Dense deconvolution net: Multi path fusion and dense deconvolution for high resolution skin lesion segmentation. Technology and Health Care, 2018, 26, 307-316.	0.5	27
116	Role of acoustic radiation force impulse imaging elastography in the assessment of steatohepatitis and fibrosis in rat models. Medical Engineering and Physics, 2018, 59, 30-35.	0.8	4
117	Macroscopic Cerebral Tumor Growth Modeling From Medical Images: A Review. IEEE Access, 2018, 6, 30663-30679.	2.6	17
118	Placental maturity grading via hybrid descriptors based on fisher vector. , 2018, , .		0
119	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
120	Relational-Regularized Discriminative Sparse Learning for Alzheimer's Disease Diagnosis. IEEE Transactions on Cybernetics, 2017, 47, 1102-1113.	6.2	89
121	Glucose-Responsive Sequential Generation of Hydrogen Peroxide and Nitric Oxide for Synergistic Cancer Starving-Like/Gas Therapy (Angew. Chem. 5/2017). Angewandte Chemie, 2017, 129, 1446-1446.	1.6	2
122	FUIQA: Fetal Ultrasound Image Quality Assessment With Deep Convolutional Networks. IEEE Transactions on Cybernetics, 2017, 47, 1336-1349.	6.2	161
123	MRI-guided and ultrasound-triggered release of NO by advanced nanomedicine. Nanoscale, 2017, 9, 3637-3645.	2.8	124
124	Graph-based segmentation of abnormal nuclei in cervical cytology. Computerized Medical Imaging and Graphics, 2017, 56, 38-48.	3.5	41
125	Intratumoral H <sub>2</sub> O <sub>2</sub> -triggered release of CO from a metal carbonyl-based nanomedicine for efficient CO therapy. Chemical Communications, 2017, 53, 5557-5560.	2.2	110
126	Hybrid dermoscopy image classification framework based on deep convolutional neural network and Fisher vector. , 2017, , .		37



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127	Enhanced Afterglow Performance of Persistent Luminescence Implants for Efficient Repeatable Photodynamic Therapy. <i>ACS Nano</i> , 2017, 11, 5864-5872.	7.3	136
128	Viscoelastic properties of normal rat liver measured by ultrasound elastography: Comparison with oscillatory rheometry. <i>Biorheology</i> , 2017, 53, 193-207.	1.2	4
129	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
130	Automatic placental maturity grading via hybrid learning. <i>Neurocomputing</i> , 2017, 223, 86-102.	3.5	6
131	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
132	Facile Coordination-Precipitation Route to Insoluble Metal Roussin's Black Salts for NIR-Responsive Release of NO for Anti-Metastasis. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 36473-36477.	4.0	22
133	Evaluation of Non-alcoholic Fatty Liver Disease Using Acoustic Radiation Force Impulse Imaging Elastography in Rat Models. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 2619-2628.	0.7	8
134	Core-Satellite Polydopamine-Gadolinium-Metallofullerene Nanotheranostics for Multimodal Imaging Guided Combination Cancer Therapy. <i>Advanced Materials</i> , 2017, 29, 1701013.	11.1	185
135	Pulsation of electrified jet in capillary microfluidics. <i>Scientific Reports</i> , 2017, 7, 5673.	1.6	4
136	In-vivo assessing the age-related stiffness of crystalline lens in rabbits by acoustic radiation force based ultrasound elastography. , 2017, , .		0
137	Cascaded Fully Convolutional Networks for automatic prenatal ultrasound image segmentation. , 2017, , .		64
138	Longitudinal analysis for mild cognitive impairment identification via fused group learning with smooth regularization. , 2017, , .		2
139	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
140	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
141	Segmentation, Splitting, and Classification of Overlapping Bacteria in Microscope Images for Automatic Bacterial Vaginosis Diagnosis. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017, 21, 1095-1104.	3.9	36
142	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
143	Automatic cystocele severity grading in transperineal ultrasound by random forest regression. <i>Pattern Recognition</i> , 2017, 63, 551-560.	5.1	9
144	Multi-modal and multi-layout discriminative learning for placental maturity staging. <i>Pattern Recognition</i> , 2017, 63, 719-730.	5.1	10

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145	Automatic Scoring of Multiple Semantic Attributes With Multi-Task Feature Leverage: A Study on Pulmonary Nodules in CT Images. IEEE Transactions on Medical Imaging, 2017, 36, 802-814.	5.4	116
146	An improved spatio-temporally smoothed coherence factor combined with eigenspace-based minimum variance beamformer for plane-wave imaging in medical ultrasound. , 2017, , .		1
147	Colorectal polyp segmentation using a fully convolutional neural network. , 2017, , .		42
148	A high-speed end-to-end approach for retinal arteriovenous segmentation. , 2017, , .		2
149	Convolutional neural networks based transfer learning for diabetic retinopathy fundus image classification. , 2017, , .		100
150	Fall detection for elderly person care using convolutional neural networks. , 2017, , .		32
151	In-vivo assessing the age-related stiffness of crystalline lens in rabbits by acoustic radiation force based ultrasound elastography. , 2017, , .		0
152	Black Phosphorus Nanosheets for Mild Hyperthermia-Enhanced Chemotherapy and Chemo-Photothermal Combination Therapy. Nanotheranostics, 2017, 1, 208-216.	2.7	52
153	Longitudinal Analysis for Disease Progression via Simultaneous Multi-Relational Temporal-Fused Learning. Frontiers in Aging Neuroscience, 2017, 9, 6.	1.7	15
154	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
155	Evaluation of the influence of severe steatosis on fibrosis measurement in a rat model with NAFLD by DMA and ARFI technology. , 2017, , .		0
156	Aggregating Deep Convolutional Features for Melanoma Recognition in Dermoscopy Images. Lecture Notes in Computer Science, 2017, , 238-246.	1.0	21
157	Skin Lesion Segmentation via Deep RefineNet. Lecture Notes in Computer Science, 2017, , 303-311.	1.0	3
158	Patterns of Gray Matter Abnormalities in Idiopathic Generalized Epilepsy: A Meta-Analysis of Voxel-Based Morphology Studies. PLoS ONE, 2017, 12, e0169076.	1.1	24
159	Classification methods for diabetic retinopathy from retinal images. Rehabilitation Medicine, 2017, 34, 290.	0.1	0
160	Ultrasound Microbubbles Enhance the Neuroprotective Effect of Mouse Nerve Growth Factor on Intraocular Hypertension-Induced Neuroretina Damage in Rabbits. Journal of Ophthalmology, 2016, 2016, 1-9.	0.6	4
161	Discriminative Learning for Alzheimer's Disease Diagnosis via Canonical Correlation Analysis and Multimodal Fusion. Frontiers in Aging Neuroscience, 2016, 8, 77.	1.7	62
162	Recent Advances in Photoacoustic Imaging for Deep-Tissue Biomedical Applications. Theranostics, 2016, 6, 2394-2413.	4.6	213

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163	Segmenting overlapping cervical cell in Pap smear images. , 2016, , .		15
164	Placental maturity evaluation via feature fusion and discriminative learning. , 2016, , .		3
165	Fetal facial standard plane recognition via very deep convolutional networks. , 2016, 2016, 627-630.		9
166	Upregulation of SOX4 antagonizes cellular senescence in esophageal squamous cell carcinoma. Oncology Letters, 2016, 12, 1367-1372.	0.8	9
167	An automatic calibration system for binocular stereo imaging. , 2016, , .		2
168	Multi-view face detector using a single cascade classifier. , 2016, , .		2
169	Adaptive ensemble manifold learning for neuroimaging retrieval. , 2016, , .		3
170	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
171	Stacked deep polynomial network based representation learning for tumor classification with small ultrasound image dataset. Neurocomputing, 2016, 194, 87-94.	3.5	141
172	Identifying transient patterns of in vivo muscle behaviors during isometric contraction by local polynomial regression. Biomedical Signal Processing and Control, 2016, 24, 93-102.	3.5	3
173	A Cross-Modality Learning Approach for Vessel Segmentation in Retinal Images. IEEE Transactions on Medical Imaging, 2016, 35, 109-118.	5.4	454
174	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
175	Automatic Cystocele Severity Grading in Ultrasound by Spatio-Temporal Regression. Lecture Notes in Computer Science, 2016, 9901, 247-255.	1.0	0
176	Multipurpose and intelligent watermarking scheme for medical data. , 2015, , .		0
177	A supervised method using convolutional neural networks for retinal vessel delineation. , 2015, , .		5
178	Discriminative Learning for Automatic Staging of Placental Maturity via Multi-layer Fisher Vector. Scientific Reports, 2015, 5, 12818.	1.6	22
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