序号	作者	论文题目	刊物名称	卷:页/doi 号	IF
1	He, QJ; K, D O; Qu, Y; Fu, X; Fan, J; Huang, P; Liu, YJ; Zhu, GZ; Liu, Y; **Qian, ZY***	NIR-Responsive On-Demand Release of CO from Metal Carbonyl-Caged Graphene Oxide Nanomedicine.	*ADVANCED MATERIALS (DEERFIELD BEACH, FLA.)*	27:6741-6	17.493
2	**Ge, JQ** * ; Peng, G ; Lyu, BJ ; Wang, Y ; Zhuo, Y ; Niu, ZD ; Tang, LH ; Leff, AP ; Gao, JH	Cross-language differences in the brain network subserving intelligible speech	*PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*	112:2972-2977	9.674
3	Rong, PF ; Huang, P ; Liu, ZG ; Lin, J; Jin, A; Ma, Y ; Niu, G ; Yu, L; Zeng, WB ; **Wang, W***	Protein-based photothermal theranostics for imaging-guided cancer therapy	*NANOSCALE*	7:16330-16336	7.762
4	Fan, J; He, QJ; Liu, Y; Ma, Y; Fu, X; Liu, YJ; Huang, P; Chen, XY, **He,NY***	A novel self-assembled sandwich nanomedicine for NIR-responsive release of NO	*NANOSCALE*	7:20055-20062	7.762
5	Xu, M ; Wang, TF ; Chen, SP ; Fox, PT ; **Tan, LH** *	Effective connectivity of brain regions related to visual word recognition: An fMRI study of Chinese reading	*HUMAN BRAIN MAPPING*	36:2580-2591	6.687
6	Kwok, VPY ; Wang, TF ; Chen, SP ; Yakpo, K ; Zhu, LL; Fox, PT ; **Tan, LH** *	Neural Signatures of Lexical Tone Reading	*HUMAN BRAIN MAPPING*	36:304-312	6.687
7	Jin, Y ; Wee, CY ; Shi, F ; Thung, KH ; Ni, D ; Yap, PT ; **Shen, D** *	Identification of Infants at High-Risk for Autism Spectrum Disorder Using Multiparameter Multiscale	*HUMAN BRAIN MAPPING*	36:4880-4896	5.969

			White Matter Connectivity Networks			
8	Li, G ; Liu, TM ; Ni, D ; Lin, WL ; Gilmore, JH ; **Shen, DG** *		Spatiotemporal Patterns of Cortical Fiber Density in Developing Infants, and Their Relationship With Cortical Thickness	*HUMAN BRAIN MAPPING*	36：5183－5195	5.969
9	Jiang, Y ; Guo, X ; Zhang, J ; Gao, J ; Wang, X ; Situ, W ; Yi, J ; Zhang, X ; Zhu, X ; **Yao, S*** ; Huang, B		Abnormalities of cortical structures in adolescent-onset conduct disorder	*PSYCHOLOGICAL MEDICINE*	45：3467－3479	5.938
10	Lei, BY ; Yao, Y; Chen, SP Li, SL ; Li, WJ ; **Ni, D** *; Wang, TF		Discriminative Learning for Automatic Staging of Placental Maturity via Multi-layer Fisher Vector	*SCIENTIFIC REPORTS*	5	5.578
11	**Zhang, LF*** ; Liu, K ; Zhong, HZ ; Zhang, JG ; Deng, JQ ; Li, Y ; Fan, DY		Engineering deceleration and acceleration of soliton emitted from Airy pulse with quadratic phase modulation in optical fibers without high-order effects	*SCIENTIFIC REPORTS*	5：11843	5.578
12	Wu, XJ ; Yu, H, Li, LK ; Wang, F ; Xu, HH ; **Zhao, N** *		Composition-Dependent Light-Induced Dipole Moment Change in Organometal Halide Perovskites	*JOURNAL OF PHYSICAL CHEMISTRY C*	119：1253－1259	5.295
13	Xu,HH		In-situ Probing of Charge Transport Process at Polymer/Fullerene Heterojunction Interface	*THE JOURNAL OF PHYSICAL CHEMISTRY C*	119：25598－25605	4.772
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15	Liu, YX ; Dong, CF; Yang, GL; Liu, J ; Yao, SM ; Li, HY; Yuan, J ,**Chen,X***; Li, SX ; Le, XH ; Lin, YM '		Optimal linear combination of ARFI, transient elastography, and APRI for the assessment of fibrosis in chronic hepatitis B	*LIVER INTERNATIONAL*	35：816－825	4.481

16	Yuan, YX ; Wang, JL ; **Li, BP*** ; Meng, MQH	Saliency Based Ulcer Detection for Wireless Capsule Endoscopy Diagnosis	*IEEE TRANSACTIONS ON MEDICAL IMAGING*	34：2046－2057	4. 288
17	Zhu, ZX ; Jia, S ; He, S ; Sun, YW ; Ji, Z; **Shen, LL** *	Three-dimensional Gabor feature extraction for hyperspectral imagery classification using a memetic framework	*INFORMATION SCIENCES*	298：274－287	4. 038
18	**Lei, BY** *,Jiao, JX, Zhou, F	A linear threshold-hurdle model for product adoption prediction incorporating sOcial network effects	*INFORMATION SCIENCES*	307：95－109	4. 038
19	Chen, WW ; Jia, YX ; Feng, Y ; Zheng, WS ; **Wang, Z*** ; Jiang, XY	Colorimetric detection of Al(III) in vermicelli samples based on ionic liquid group coated gold nanoparticles	*RSC ADVANCES*	5：62260－62264	3. 84
20	Lei, BY ; Tan, EL ; Chen, SP ; Zhuo, L ; Li, SL ; **Ni, D*** ; Wang, TF	Automatic Recognition of Fetal Facial Standard Plane in Ultrasound Image via Fisher Vector	*PLOS ONE*	10	3. 702
21	Lei, BY; Tan, EL ; Chen, SP ; **Ni, D** *; Wang, TF	Saliency-driven image classification method based on histogram mining and image score	*PATTERN RECOGNITION*	48：2567－2580	3. 613
22	Yu, SY ; Li, BP ; Zhang, Q ; **Liu, CC*** ; Meng, MQH	A novel license plate location method based on wavelet transform and EMD analysis	*PATTERN RECOGNITION*	48：114－125	3. 613
23	Zhang, ZP ; **Zhang, W*** ; Ding, HJ ; Liu, JZ; Tang, XO	Hierarchical facial landmark localization via cascaded random binary patterns	*PATTERN RECOGNITION*	48：1277－1288	3. 613
24	Li, QL ; Feng, BW ; Xie, LP ; **Liang, P*** ; Zhang, HS ; Wang, TF	A Cross-modality Learning Approach for Vessel Segmentation in Retinal Images	*IEEE TRANSACTIONS ON MEDICAL IMAGING*	35：109－118	3. 39
25	Gao, JL ; Feng, ST ; Wu, BX ; Gong, NJ ; Lu, MH ; Wu, PM ; Wang, H ; He, XM ; **Huang, BS***	Microstructural Brain Abnormalities of Children of Idiopathic Generalized Epilepsy With Generalized Tonic-Clonic Seizure: A Voxel-Based Diffusional Kurtosis Imaging Study	*JOURNAL OF MAGNETIC RESONANCE IMAGING*	41：1088－1095	3. 25
26	**Li, BP*** ; Xu, GQ; Zhou, R ; Wang, TF	Computer aided wireless capsule endoscopy video segmentation	*MEDICAL PHYSICS*	42：645－652	2. 954

27	**Sun, YW**＊ ; Zhong, JL ; Zhang, CL ; Zuo, J ; Pickwell-MacPherson, E	Label-free detection and characterization of the binding of hemagglutinin protein and broadly neutralizing monoclonal antibodies using terahertz spectroscopy	*JOURNAL OF BIOMEDICAL OPTICS*	20：037006	2.926
28	Zhu, Y; Dong, CF; Yin, Y ; Chen, X; Guo, YR; Zheng, Y ; Shen, YY ; Wang, TF ; **Zhang, XY**＊; Chen, SP	THE ROLE OF VISCOSITY ESTIMATION FOR OIL-IN-GELATIN PHANTOM IN SHEAR WAVE BASED ULTRASOUND ELASTOGRAPHY	*ULTRASOUND IN MEDICINE AND BIOLOGY*	41：601-609	2.643
29	Zhang, XY ; Yin, Y; Guo, YR ; Fan, N ; Lin, HM ; Liu, FL ; Diao, XF ; Dong, CF; **Chen, X**＊ ; Wang, TF	MEASUREMENT OF QUANTITATIVE VISCOELASTICITY OF BOVINE CORNEAS BASED ON LAMB WAVE DISPERSION PROPERTIES	*ULTRASOUND IN MEDICINE AND BIOLOGY*	41：1461-1472	2.643
30	Gao, ZF ; Hau, WK; Lu, MH; Huang, WH; **Zhang, HY**＊ ; Wu, WQ ; Liu, X ; Zhang, YT	AUTOMATED FRAMEWORK FOR DETECTING LUMEN AND MEDIA-ADVENTITIA BORDERS IN INTRAVASCULAR ULTRASOUND IMAGES	*ULTRASOUND IN MEDICINE AND BIOLOGY*	41：2001-2021	2.643
31	Song YY, Zhang L, Chen, SP Ni D, **Lei, BY**＊, Wang TF,	Accurate Segmentation of Cervical Cytoplasm and Nuclei Based on Multiscale Convolutional Network and Graph Partitioning	*IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING*	62：2421-2433	2.567
32	**Xu, XM** ＊; Jin, Q ; Zhou, L ; Qin, J ; Wong, TT ; Han, GQ	Illumination-Invariant and Deformation-Tolerant Inner Knuckle Print Recognition Using Portable Devices	*SENSORS*	15：4326-4352	2.474
33	Tang, H ; **Peng, J** ＊; Wang, WJ; Peng, XJ ; Wang, TF ; Chen, SP	High-Curie-temperature relaxor piezoelectric single crystals for 1.5D ultrasound phased-array applications	*MATERIALS LETTERS*	145：258-260	2.466
34	Lei, BY ; Zhou, F ; Tan, EL ; Ni, D ; Lei, HJ ; **Chen, SP**＊; Wang, TF	Optimal and secure audio watermarking scheme based on self-adaptive particle swarm optimization and quaternion wavelet transform	*SIGNAL PROCESSING*	113：80-94	2.36

35	Dai, P ; Rudzicz, F ; Soon, IY ; Mihailidis, A ; **Ding, HJ** *	2D Psychoacoustic modeling of equivalent masking for automatic speech recognition	*SIGNAL PROCESSING*	115：9−19	2. 36
36	**Li, QL*** ; Qi, SW ; Shen, YY ; Ni, D ; Zhang, HS ; Wang, TF	Multispectral Image Alignment With Nonlinear Scale-Invariant Keypoint and Enhanced Local Feature Matrix	*IEEE GEOSCIENCE AND REMOTE SENSING LETTERS*	12：1551−1555	2. 339
37	Shi, J ; Jiang, QK; Mao, R; **Lu, MH** * ; Wang, TF	FR-KECA: Fuzzy robust kernel entropy component analysis	*NEUROCOMPUTING*	149：1415−1423	2. 292
38	Huang, Y ; Chen, X; Zhang, J Zeng, DL ; **Zhang, DD*** ; Ding, XH	Single-trial ERPs denoising via collaborative filtering on ERPs images	*NEUROCOMPUTING*	149：914−923	2. 292
39	Ni, D ; Yang, X ; Chen, X ; Chin, CT ; Chen, SP ; Heng, PA ; **Li, SL*** ; Qin, J ; Wang, TF	Standard Plane Localization in Ultrasound by Radial Component Model and Selective Search	*IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS*	40：2728−2742	2. 214
40	Yu, H ; Lin, ZS ; Xu, L; Liu, DL ; **Shen, YY***	Theoretical study of microbubble dynamics in sonoporation	*ULTRASONICS*	61：136−144	2. 067
41	Li, JZ ; **Zhou, YJ** *; Zheng, YP; Li, GL	An attempt to bridge muscle architecture dynamics and its instantaneous rate of force development using ultrasonography	*ULTRASONICS*	61：71−78	2. 067
42	Chen, YJ ; Xiong, HH ; Wu, D, Pirbhulal, S; Tian, XH ; Zhang, RQ ; Lu, MH ; **Wu, WQ*** ; Huang, WH	Relationship of short-term blood pressure variability with carotid intima-media thickness in hypertensive patients	*BIOMEDICAL ENGINEERING ONLINE*	14　71	1. 989
43	Lu, MH ; Tang, YA; Sun, RC Wang, TF ; Chen, SP ; **Mao, R***	A real time displacement estimation algorithm for ultrasound elastography	*COMPUTERS IN INDUSTRY*	69：61−71	1. 95
44	Zhu, ZX ; Wang, FX ; He, S ; **Sun, YW** *	Global path planning of mobile robots using a memetic algorithm	*INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE*	46：1982−1993	1. 859

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46	**Fang, WJ*** ; Lu, MH ,Liu, XH ; Gong, L; Zhu, ZQ	Joint Defragmentation of Optical Spectrum and IT Resources in Elastic Optical Datacenter Networks	*JOURNAL OF OPTICAL COMMUNICATIONS AND NETWORKING*	7：314−324	1. 783
47	Lei BY	Bilevel Game-Theoretic Optimization for Product Adoption Maximization Incorporating Social Network Effects	*IEEE TRANSACTIONS ON SYSTEMS MAN CYBERNETICS-SYSTEMS*		1. 699
48	**Xu, M** *; Yang, J ; Siok, WT; Tan, LH	Atypical lateralization of phonological working memory in developmental dyslexia	*JOURNAL OF NEUROLINGUISTICS*	33：67−77	1. 489
49	Xu, GP ; Zhong, WF ; Jin, H ; **Mo, L***	An ERP study on how subsequent sentence context can influence previous world knowledge constraints	*JOURNAL OF NEUROLINGUISTICS*	33：96−103	1. 489
50	**Tan, LH*** , Li, P	Towards an integrative understanding of the neuroanatomical and genetic bases of language: The Chinese context	*JOURNAL OF NEUROLINGUISTICS*	33：1−2	1. 489
51	Tan, LH ,**Ansaldo, U***, Lai, J, Jia, FH,Siok, WT,Matthews, S	Neural basis for processing hidden complexity indexed by small and finite clauses in Mandarin Chinese	*JOURNAL OF NEUROLINGUISTICS*	33：118−172	1. 489
52	Wang, GQ ; Zhou, YX ; Gao, Y; Chen, H ; Xia, JG ; Xu, JQ ; Huen, MSY ; Siok, WT ; Jiang, YY ; Tan, LH ; **Sun, YM** *	Association of specific language impairment candidate genes CMIP and ATP2C2 with developmental dyslexia in Chinese population	*JOURNAL OF NEUROLINGUISTICS*	33：163−171	1. 489
53	**Chen, H*** , Ni, D ; Qin, J ; Li, SL ; Yang, X ; Wang, TF ; Heng, PA	Standard Plane Localization in Fetal Ultrasound via Domain Transferred Deep Neural Networks	*IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS*	19：1627−1636	1. 448

54	Chen, X ; **Li, QL*** ; Qi, SW ; Zhang, HS ; Chen, SP ; Wang, TF	Continuous fascicle orientation measurement of medial gastrocnemius muscle in ultrasonography using frequency domain Radon transform	*BIOMEDICAL SIGNAL PROCESSING AND CONTROL*	20：117-124	1. 376
55	Lei, BY	Robust scream sound detection via sound event partitioning	*MULTIMEDIA TOOLS AND APPLICATIONS*		1. 346
56	He, XN ; Liu, WX ; Chen, SP ; **Qin, ZD** *	A new approach to compensate the geometric distortion in the synthetic aperture ultrasonic imaging system	*BIO-MEDICAL MATERIALS AND ENGINEERING*	26：S1623-S1632	1. 28
57	**Sun, YW*** ; Zhong, JL, Zuo, J; Zhang, CL ; Dan, G	Principal component analysis of terahertz spectrum on hemagglutinin protein and its antibody	*ACTA PHYSICA SINICA*	64	0. 684
58	**Lei, BY*** , Soon, IY	Perception-based audio watermarking scheme in the compressed bitstream	*AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS*	69：188-97	0. 601
59	Peng, XJ; **Peng, J*** ; Tang, H ; Wang, TF ; Chen, SP	Ultrahigh Frequency Micromachined Ultrasound Transducers Based on Piezoelectric Single Crystalline Wafers	*JOURNAL OF MEDICAL IMAGING AND HEALTH INFORMATICS*	5：374-377	0. 49
60	Dan, G ; Guo, ZX ; Ding, HJ ; **Zhou, YJ** *	Enhancement of Dorsal Hand Vein Image with a Low-Cost Binocular Vein Viewer System	*JOURNAL OF MEDICAL IMAGING AND HEALTH INFORMATICS*	5：359-365	0. 49
61	Qin, J ; **Zhang, GP*** ; Sun, R; Zhu, GM ; Wong, CP	Performance of Curing Epoxy Resins Containing Non-coplanar Rigid Moieties	*ACTA POLYMERICA SINICA*	390-395	0. 483
62	Song YY; Lei BY; **He L***; Zeng ZM; Zhou YX; Ni D; Chen SP; Wang TF	Automatic Detection of Vaginal Bacteria Based on Superpixel and Support Vector Machine	*CHINESE JOURNAL OF BIOMEDICAL ENGINEERING*	34：204-11	

63	Zhang, L ; Liu, SX ; **Wang, TF*** Chen, SP ; Sonka, M	Improved segmentation of abnormal cervical nuclei using a graph-search based approach	*MEDICAL IMAGING 2015: DIGITAL PATHOLOGY*	9420:94200W	
64	Li XY; Yao Y; Li SL; Ni D; Wang TF	Research Progress of Medical Ultrasound Assessment of Placental Function	*JOURNAL OF BIOMEDICAL ENGINEERING*	32:914-918	
65	**Li, J** * ; Diao, XF ; Zhan, K ; Qin, ZD	A Full Digital Design of TCD Ultrasound System Using Normal Pulse and Coded Excitation	*1ST GLOBAL CONFERENCE ON BIOMEDICAL ENGINEERING & 9TH ASIAN-PACIFIC CONFERENCE ON MEDICAL AND BIOLOGICAL ENGINEERING*	47:136-139	