Dong Ming

List of Publications by Year
in descending order

214 papers	3,270 citations

201575

27 h-index	

243529

	44 g-index

230 all docs	230 docs citations

230 times ranked	3024 citing authors

#	Article	IF	Citations
1	Nanozyme-Based Bandage with Single-Atom Catalysis for Brain Trauma. ACS Nano, 2019, 13, 11552-11560.	7.3	193
2	A Brain–Computer Interface Based on Miniature-Event-Related Potentials Induced by Very Small Lateral Visual Stimuli. IEEE Transactions on Biomedical Engineering, 2018, 65, 1166-1175.	2.5	170
3	Implementing Over 100 Command Codes for a High-Speed Hybrid Brain-Computer Interface Using Concurrent P300 and SSVEP Features. IEEE Transactions on Biomedical Engineering, 2020, 67, 3073-3082.	2.5	104
4	A hybrid BCI speller paradigm combining P300 potential and the SSVEP blocking feature. Journal of Neural Engineering, 2013, 10, 026001.	1.8	100
5	Enhance decoding of pre-movement EEG patterns for brain–computer interfaces. Journal of Neural Engineering, 2020, 17, 016033.	1.8	95
6	Discriminative Canonical Pattern Matching for Single-Trial Classification of ERP Components. IEEE Transactions on Biomedical Engineering, 2020, 67, 2266-2275.	2.5	77
7	The Near-Infrared-II Fluorophores and Advanced Microscopy Technologies Development and Application in Bioimaging. Bioconjugate Chemistry, 2020, 31, 260-275.	1.8	75
8	Cross-Dataset Variability Problem in EEG Decoding With Deep Learning. Frontiers in Human Neuroscience, 2020, 14, 103.	1.0	72
9	Cross-modal activation of auditory regions during visuo-spatial working memory in early deafness. Brain, 2015, 138, 2750-2765.	3.7	70
10	The Effects of Transcranial Direct Current Stimulation (tDCS) on Working Memory Training in Healthy Young Adults. Frontiers in Human Neuroscience, 2019, 13, 19.	1.0	61
11	Current Challenges for the Practical Application of Electroencephalography-Based Brain–Computer Interfaces. Engineering, 2021, 7, 1710-1712.	3.2	58
12	Inhalable nanovaccine with biomimetic coronavirus structure to trigger mucosal immunity of respiratory tract against COVID-19. Chemical Engineering Journal, 2021, 418, 129392.	6.6	53
13	Evaluation of EEG Oscillatory Patterns and Cognitive Process during Simple and Compound Limb Motor Imagery. PLoS ONE, 2014, 9, e114853.	1.1	50
14	An EEG-based mental workload estimator trained on working memory task can work well under simulated multi-attribute task. Frontiers in Human Neuroscience, 2014, 8, 703.	1.0	48
15	Enhancing performance of a motor imagery based brain–computer interface by incorporating electrical stimulation-induced SSSEP. Journal of Neural Engineering, 2017, 14, 026002.	1.8	47
16	How Physical Activities Affect Mental Fatigue Based on EEG Energy, Connectivity, and Complexity. Frontiers in Neurology, 2018, 9, 915.	1.1	45
17	Micro- and nanotechnology for neural electrode-tissue interfaces. Biosensors and Bioelectronics, 2020, 170, 112645.	5.3	42
18	Towards an effective cross-task mental workload recognition model using electroencephalography based on feature selection and support vector machine regression. International Journal of Psychophysiology, 2015, 98, 157-166.	0.5	41

#	ARTICLE	IF	CITATIONS
19	Review of brain encoding and decoding mechanisms for EEG-based brain–computer interface. Cognitive Neurodynamics, 2021, 15, 569-584.	2.3	41
20	EEG oscillatory patterns and classification of sequential compound limb motor imagery. Journal of NeuroEngineering and Rehabilitation, 2016, 13, 11.	2.4	40
21	Intravenously Infusing the Secretome of Adipose-Derived Mesenchymal Stem Cells Ameliorates Neuroinflammation and Neurological Functioning After Traumatic Brain Injury. Stem Cells and Development, 2020, 29, 222-234.	1.1	37
22	Basic mechanisms of peripheral nerve injury and treatment via electrical stimulation. Neural Regeneration Research, 2022, 17, 2185.	1.6	35
23	A visual parallel-BCI speller based on the time–frequency coding strategy. Journal of Neural Engineering, 2014, 11, 026014.	1.8	34
24	Photodetectors based on two dimensional materials for biomedical application. Biosensors and Bioelectronics, 2019, 143, 111617.	5.3	34
25	Characterization of EEG Data Revealing Relationships With Cognitive and Motor Symptoms in Parkinson's Disease: A Systematic Review. Frontiers in Aging Neuroscience, 2020, 12, 587396.	1.7	34
26	Neural complexity in patients with poststroke depression: A resting EEG study. Journal of Affective Disorders, 2015, 188, 310-318.	2.0	33
27	Enhanced spontaneous functional connectivity of the superior temporal gyrus in early deafness. Scientific Reports, 2016, 6, 23239.	1.6	32
28	Altered spontaneous neural activity in the precuneus, middle and superior frontal gyri, and hippocampus in college students with subclinical depression. BMC Psychiatry, 2021, 21, 280.	1.1	32
29	Exploring Combinations of Auditory and Visual Stimuli for Gaze-Independent Brain-Computer Interfaces. PLoS ONE, 2014, 9, e111070.	1.1	31
30	BCI Monitor Enhances Electroencephalographic and Cerebral Hemodynamic Activations During Motor Training. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 780-787.	2.7	31
31	Study on an effective cross-stimulus emotion recognition model using EEGs based on feature selection and support vector machine. International Journal of Machine Learning and Cybernetics, 2018, 9, 721-726.	2.3	30
32	Mutual Information-Based Brain Network Analysis in Post-stroke Patients With Different Levels of Depression. Frontiers in Human Neuroscience, 2018, 12, 285.	1.0	30
33	Automated detection of pathologic white matter alterations in Alzheimer's disease using combined diffusivity and kurtosis method. Psychiatry Research - Neuroimaging, 2017, 264, 35-45.	0.9	29
34	G-Causality Brain Connectivity Differences of Finger Movements between Motor Execution and Motor Imagery. Journal of Healthcare Engineering, 2019, 2019, 1-12.	1.1	28
35	Robustness Analysis of Identification Using Resting-State EEG Signals. IEEE Access, 2019, 7, 42113-42122.	2.6	28
36	Gender Differences Are Encoded Differently in the Structure and Function of the Human Brain Revealed by Multimodal MRI. Frontiers in Human Neuroscience, 2020, 14, 244.	1.0	28

#	Article	IF	Citations
37	A Stimulus Artifact Removal Technique for SEMG Signal Processing During Functional Electrical Stimulation. IEEE Transactions on Biomedical Engineering, 2015, 62, 1959-1968.	2.5	27
38	Randomly dividing homologous samples leads to overinflated accuracies for emotion recognition. International Journal of Psychophysiology, 2015, 96, 29-37.	0.5	26
39	Molybdenum Disulfide Supported on Metal–Organic Frameworks as an Ultrasensitive Layer for the Electrochemical Detection of the Ovarian Cancer Biomarker CA125. ACS Applied Bio Materials, 2021, 4, 5494-5502.	2.3	26
40	Abnormal EEG Complexity and Functional Connectivity of Brain in Patients with Acute Thalamic Ischemic Stroke. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-9.	0.7	25
41	Dynamic stability and spatiotemporal parameters during turning in healthy young adults. BioMedical Engineering OnLine, 2018, 17, 127.	1.3	24
42	Integrated printed BDNF/collagen/chitosan scaffolds with low temperature extrusion 3D printer accelerated neural regeneration after spinal cord injury. International Journal of Energy Production and Management, 2021, 8, rbab047.	1.9	24
43	Differential Effects of Variable Frequencies of Manual Acupuncture at St36 in Rats with Atropine-Induced Inhibition of Gastric Motility. Acupuncture in Medicine, 2016, 34, 33-39.	0.4	22
44	A brain-computer interface driven by imagining different force loads on a single hand: an online feasibility study. Journal of NeuroEngineering and Rehabilitation, 2017, 14, 93.	2.4	22
45	VEGF attenuates 2-VO induced cognitive impairment and neuronal injury associated with the activation of PI3K/Akt and Notch1 pathway. Experimental Gerontology, 2018, 102, 93-100.	1.2	21
46	Use of a steady-state baseline to address evoked vs. oscillation models of visual evoked potential origin. NeuroImage, 2016, 134, 204-212.	2.1	20
47	Age-related early/late variations of functional connectivity across the human lifespan. Neuroradiology, 2018, 60, 403-412.	1.1	20
48	Low-Frequency Pulsed Magnetic Field Improves Depression-Like Behaviors and Cognitive Impairments in Depressive Rats Mainly via Modulating Synaptic Function. Frontiers in Neuroscience, 2019, 13, 820.	1.4	19
49	Diffusion tensor imaging predicting neurological repair of spinal cord injury with transplanting collagen/chitosan scaffold binding bFGF. Journal of Materials Science: Materials in Medicine, 2019, 30, 123.	1.7	19
50	EEG-Based Anxious States Classification Using Affective BCI-Based Closed Neurofeedback System. Journal of Medical and Biological Engineering, 2021, 41, 155-164.	1.0	19
51	Multi-channel transcranial temporally interfering stimulation (tTIS): application to living mice brain. Journal of Neural Engineering, 2021, 18, 036003.	1.8	19
52	Incorporation of Inter-Subject Information to Improve the Accuracy of Subject-Specific P300 Classifiers. International Journal of Neural Systems, 2016, 26, 1650010.	3.2	18
53	The Transitions Between Dynamic Micro-States Reveal Age-Related Functional Network Reorganization. Frontiers in Physiology, 2018, 9, 1852.	1.3	18
54	Discriminating subclinical depression from major depression using multi-scale brain functional features: A radiomics analysis. Journal of Affective Disorders, 2022, 297, 542-552.	2.0	18

#	Article	IF	Citations
55	Fast detection of covert visuospatial attention using hybrid N2pc and SSVEP features. Journal of Neural Engineering, 2016, 13, 066003.	1.8	17
56	Effects of Distracting Task with Different Mental Workload on Steady-State Visual Evoked Potential Based Brain Computer Interfacesâ€"an Offline Study. Frontiers in Neuroscience, 2018, 12, 79.	1.4	17
57	EEG-controlled functional electrical stimulation rehabilitation for chronic stroke: system design and clinical application. Frontiers of Medicine, 2021, 15, 740-749.	1.5	17
58	Enhancing transfer performance across datasets for brain-computer interfaces using a combination of alignment strategies and adaptive batch normalization. Journal of Neural Engineering, 2021, 18, 0460e5.	1.8	17
59	Living Rat SSVEP Mapping With Acoustoelectric Brain Imaging. IEEE Transactions on Biomedical Engineering, 2022, 69, 75-82.	2.5	17
60	Optimizing SSVEP-Based BCI System towards Practical High-Speed Spelling. Sensors, 2020, 20, 4186.	2.1	16
61	Downregulation of Adhesion Molecule CHL1 in B Cells but Not T Cells of Patients with Major Depression and in the Brain of Mice with Chronic Stress. Neurotoxicity Research, 2020, 38, 914-928.	1.3	16
62	Enhancement for P300-speller classification using multi-window discriminative canonical pattern matching. Journal of Neural Engineering, 2021, 18, 046079.	1.8	16
63	Study on fatigue feature from forearm SEMG signal based on wavelet analysis. , 2010, , .		15
64	Recovery of Four COVID-19 Patients via Ozonated Autohemotherapy. Innovation(China), 2020, 1, 100060.	5.2	15
65	NIR-Responsive Spatiotemporally Controlled Cyanobacteria Micro-Nanodevice for Intensity-Modulated Chemotherapeutics in Rheumatoid Arthritis. ACS Applied Materials & Interfaces, 2021, 13, 18423-18431.	4.0	15
66	The Role of Surface Electromyography in Data Fusion with Inertial Sensors to Enhance Locomotion Recognition and Prediction. Sensors, 2021, 21, 6291.	2.1	15
67	Quantitative EEG abnormalities in major depressive disorder with basal ganglia stroke with lesions in different hemispheres. Journal of Affective Disorders, 2017, 215, 172-178.	2.0	14
68	EEG-based emotion recognition using nonlinear feature. , 2017, , .		14
69	Incorporation of Multiple-Days Information to Improve the Generalization of EEG-Based Emotion Recognition Over Time. Frontiers in Human Neuroscience, 2018, 12, 267.	1.0	13
70	Gait recognition based on multiple views fusion of wavelet descriptor and human skeleton model. Virtual Environments, Human-Computer Interfaces and Measurements Systems, 2009 VECIMS '09 IEEE International Conference on, 2009, , .	0.0	12
71	Study on EEG-based mouse system by using brain-computer interface. , 2009, , .		12
72	Neural activities classification of left and right finger gestures during motor execution and motor imagery. Brain-Computer Interfaces, 2021, 8, 117-127.	0.9	12

#	Article	IF	Citations
73	Feature selection and channel optimization for biometric identification based on visual evoked potentials. , 2014, , .		11
74	Sonomyography Analysis on Thickness of Skeletal Muscle During Dynamic Contraction Induced by Neuromuscular Electrical Stimulation: A Pilot Study. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 62-70.	2.7	11
75	Repair of osteochondral defect using icariin-conditioned serum combined with chitosan in rabbit knees. BMC Complementary Medicine and Therapies, 2020, 20, 193.	1.2	11
76	The Effects of the Structural and Acoustic Parameters of the Skull Model on Transcranial Focused Ultrasound. Sensors, 2021, 21, 5962.	2.1	11
77	A gait stability investigation into FES-assisted paraplegic walking based on the walker tipping index. Journal of Neural Engineering, 2009, 6, 066007.	1.8	10
78	Using Convolutional Neural Networks for Identification Based on EEG Signals. , 2018, , .		10
79	Separable EEG Features Induced by Timing Prediction for Active Brain-Computer Interfaces. Sensors, 2020, 20, 3588.	2.1	10
80	Coding Biological Current Source With Pulsed Ultrasound for Acoustoelectric Brain Imaging: Application to Vivo Rat Brain. IEEE Access, 2020, 8, 29586-29594.	2.6	10
81	Emotional Arousal and Valence Jointly Modulate the Auditory Response: A 40-Hz ASSR Study. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1150-1157.	2.7	10
82	Nanoarmour-shielded single-cell factory for bacteriotherapy of Parkinson's disease. Journal of Controlled Release, 2021, 338, 742-753.	4.8	10
83	The Temporal Dynamics of EEG Microstate Reveals the Neuromodulation Effect of Acupuncture With Deqi. Frontiers in Neuroscience, 2021, 15, 715512.	1.4	10
84	Efficacy Evaluation of Neurofeedback-Based Anxiety Relief. Frontiers in Neuroscience, 2021, 15, 758068.	1.4	10
85	Decoding selective auditory attention with EEG using a transformer model. Methods, 2022, 204, 410-417.	1.9	10
86	Enhancing performance of P300-Speller under mental workload by incorporating dual-task data during classifier training. Computer Methods and Programs in Biomedicine, 2017, 152, 35-43.	2.6	9
87	Objective electroencephalography-based assessment for auditory rehabilitation of pediatric cochlear implant users. Hearing Research, 2021, 404, 108211.	0.9	9
88	Hippocampus- and thalamus-related fiber-specific white matter reductions in mild cognitive impairment. Cerebral Cortex, 2022, 32, 3159-3174.	1.6	9
89	Cross-Task Consistency of Electroencephalography-Based Mental Workload Indicators: Comparisons Between Power Spectral Density and Task-Irrelevant Auditory Event-Related Potentials. Frontiers in Neuroscience, 2021, 15, 703139.	1.4	9
90	Low-Intensity Focused Ultrasound Stimulation Ameliorates Working Memory Dysfunctions in Vascular Dementia Rats via Improving Neuronal Environment. Frontiers in Aging Neuroscience, 2022, 14, 814560.	1.7	9

#	ARTICLE	IF	CITATIONS
91	The Advance of CRISPR-Cas9-Based and NIR/CRISPR-Cas9-Based Imaging System. Frontiers in Chemistry, 2021, 9, 786354.	1.8	9
92	A brain-computer interface based on high-frequency steady-state asymmetric visual evoked potentials. , 2020, 2020, 3090-3093.		8
93	Improving the Cross-Subject Performance of the ERP-Based Brain–Computer Interface Using Rapid Serial Visual Presentation and Correlation Analysis Rank. Frontiers in Human Neuroscience, 2020, 14, 296.	1.0	8
94	Multisource Acoustoelectric Imaging With Different Current Source Features. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	2.4	8
95	Imagined speech increases the hemodynamic response and functional connectivity of the dorsal motor cortex. Journal of Neural Engineering, 2021, 18, 056048.	1.8	8
96	Sendai virus-based immunoadjuvant in hydrogel vaccine intensity-modulated dendritic cells activation for suppressing tumorigenesis. Bioactive Materials, 2021, 6, 3879-3891.	8.6	8
97	Mathematical Model of Ultrasound Attenuation With Skull Thickness for Transcranial-Focused Ultrasound. Frontiers in Neuroscience, 2021, 15, 778616.	1.4	8
98	A High-Performance Electrode Based on van der Waals Heterostructure for Neural Recording. Nano Letters, 2022, 22, 4400-4409.	4.5	8
99	Increased Corticomuscular Coherence and Brain Activation Immediately After Short-Term Neuromuscular Electrical Stimulation. Frontiers in Neurology, 2018, 9, 886.	1.1	7
100	Noninvasive Acoustoelectric Imaging of Resistivity Distribution Based on Lead Field Theory. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 4779-4786.	2.4	7
101	Enhanced Auditory Steady-State Response Using an Optimized Chirp Stimulus-Evoked Paradigm. Sensors, 2019, 19, 748.	2.1	7
102	A Brain-Computer Interface Based on Multifocal SSVEPs Detected by Inter-Task-Related Component Analysis. IEEE Access, 2020, 8, 138539-138550.	2.6	7
103	A Systematic Analysis of Hand Movement Functionality: Qualitative Classification and Quantitative Investigation of Hand Grasp Behavior. Frontiers in Neurorobotics, 2021, 15, 658075.	1.6	7
104	Acupuncture With deqi Modulates the Hemodynamic Response and Functional Connectivity of the Prefrontal-Motor Cortical Network. Frontiers in Neuroscience, 2021, 15, 693623.	1.4	7
105	The Time-Robustness Analysis of Individual Identification Based on Resting-State EEG. Frontiers in Human Neuroscience, 2021, 15, 672946.	1.0	7
106	Low-intensity focused ultrasound stimulation reverses social avoidance behavior in mice experiencing social defeat stress. Cerebral Cortex, 2022, 32, 5580-5596.	1.6	7
107	Hypofunction of directed brain network within alpha frequency band in depressive patients: a graph-theoretic analysis. Cognitive Neurodynamics, 2022, 16, 1059-1071.	2.3	7
108	Intracranial Aneurysm Rupture Risk Estimation With Multidimensional Feature Fusion. Frontiers in Neuroscience, 2022, 16, 813056.	1.4	7

#	ARTICLE	IF	CITATIONS
109	Video image super-resolution restoration based on iterative back-projection algorithm. , 2009, , .		6
110	Nonlinear static decoupling of six-dimension force sensor for walker dynamometer system based on artificial neural network. , 2009, , .		6
111	Indirect biomechanics measurement on shoulder joint moments of walker-assisted gait. Virtual Environments, Human-Computer Interfaces and Measurements Systems, 2009 VECIMS '09 IEEE International Conference on, 2009, , .	0.0	6
112	A hybrid brain-computer interface combining the EEG and NIRS. , 2012, , .		6
113	Comparison of the COM-FCP inclination angle and other mediolateral stability indicators for turning. BioMedical Engineering OnLine, 2017, 16, 37.	1.3	6
114	Current Change Rate Influences Sensorimotor Cortical Excitability During Neuromuscular Electrical Stimulation. Frontiers in Human Neuroscience, 2019, 13, 152.	1.0	6
115	The Conjoint Analysis of Microstructural and Morphological Changes of Gray Matter During Aging. Frontiers in Neurology, 2019, 10, 184.	1.1	6
116	Reversing the systemic biotoxicity of nanomaterials by downregulating ROS-related signaling pathways in the multi-organs of Zebrafish embryos. Materials Chemistry Frontiers, 2021, 5, 4231-4243.	3.2	6
117	Repetitive Transcranial Magnetic Stimulation (rTMS) Improves the Gait Disorders of Rats Under Simulated Microgravity Conditions Associated With the Regulation of Motor Cortex. Frontiers in Physiology, 2021, 12, 587515.	1.3	6
118	Optimization of Task Allocation for Collaborative Brain–Computer Interface Based on Motor Imagery. Frontiers in Neuroscience, 2021, 15, 683784.	1.4	6
119	Effects of Transcutaneous Vagus Nerve Stimulation (tVNS) on Action Planning: A Behavioural and EEG Study. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1675-1683.	2.7	6
120	Bionic Dormant Body of Timed Wake-Up for Bacteriotherapy <i>in Vivo</i>. ACS Nano, 2022, 16, 823-836.	7.3	6
121	Effects of inter-stimulus intervals on concurrent P300 and SSVEP features for hybrid brain-computer interfaces. Journal of Neuroscience Methods, 2022, 372, 109535.	1.3	6
122	Alterations in Patients With First-Episode Depression in the Eyes-Open and Eyes-Closed Conditions: A Resting-State EEG Study. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1019-1029.	2.7	6
123	Incorporating EEG and EMG Patterns to Evaluate BCI-Based Long-Term Motor Training. IEEE Transactions on Human-Machine Systems, 2022, 52, 648-657.	2.5	6
124	Electroencephalograph (EEG) signal processing method of motor imaginary potential for attention level classification. , 2009, 2009, 4347-51.		5
125	Application of BCI-FES system on stroke rehabilitation. , 2015, , .		5
126	A Source Signal Modulation Mechanism with Pulse Focused Ultrasound for Acoustoelectric Brain Imaging. , 2019, , .		5

#	Article	IF	Citations
127	3D Stimulus Presentation of ERP-Speller in Virtual Reality. , 2019, , .		5
128	The effect of modifying foot progression angle on the knee loading parameters in healthy participants with different static foot postures. Gait and Posture, 2020, 81, 7-13.	0.6	5
129	Dynamic Brain Responses Modulated by Precise Timing Prediction in an Opposing Process. Neuroscience Bulletin, 2021, 37, 70-80.	1.5	5
130	Quantifying the Generation Process of Multi-Level Tactile Sensations via ERP Component Investigation. International Journal of Neural Systems, 2021, 31, 2150049.	3.2	5
131	Experimental and simulation studies of localization and decoding of single and double dipoles. Journal of Neural Engineering, 2022, 19, 025002.	1.8	5
132	Biological current source imaging method based on acoustoelectric effect: A systematic review. Frontiers in Neuroscience, 0, 16, .	1.4	5
133	New Gait Recognition Technique Used in Functional Electrical Stimulation System Control. , 2006, , .		4
134	Novel gait recognition technique based on SVM fusion of PCA-processed contour projection and skeleton model features. , 2009, , .		4
135	Multiscale entropy analysis of attention ralated EEG based on motor imaginary potential. , 2009, , .		4
136	A P300-speller based on event-related spectral perturbation (ERSP). , 2012, , .		4
137	Image Processing and Recognition of Multiple Static Hand Gestures for Human-Computer Interaction. , 2013, , .		4
138	Inter-subject information contributes to the ERP classification in the P300 speller. , 2015, , .		4
139	Research on Gastroesophageal Reflux Disease Based on Dynamic Features of Ambulatory 24-Hour Esophageal pH Monitoring. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-7.	0.7	4
140	The effects of semantic congruency: a research of audiovisual P300-speller. BioMedical Engineering OnLine, 2017, 16, 91.	1.3	4
141	Electrophysiological changes in poststroke subjects with depressed mood: A quantitative EEG study. International Journal of Geriatric Psychiatry, 2018, 33, 934-940.	1.3	4
142	A transplantation of subject-independent model in cross-platform BCI. International Journal of Machine Learning and Cybernetics, 2018, 9, 959-967.	2.3	4
143	Performance Improvement for Detecting Brain Function Using fNIRS: A Multi-Distance Probe Configuration With PPL Method. Frontiers in Human Neuroscience, 2020, 14, 569508.	1.0	4
144	Detection of fixation points using a small visual landmark for brain–computer interfaces. Journal of Neural Engineering, 2021, 18, 046098.	1.8	4

#	Article	IF	Citations
145	White matter structural connectivity as a biomarker for detecting juvenile myoclonic epilepsy by transferred deep convolutional neural networks with varying transfer rates. Journal of Neural Engineering, 2021, 18, 056053.	1.8	4
146	EEG characteristic investigation of the sixth-finger motor imagery and optimal channel selection for classification. Journal of Neural Engineering, 2022, 19, 016001.	1.8	4
147	Peripherical Electrical Stimulation for Parkinsonian Tremor: A Systematic Review. Frontiers in Aging Neuroscience, 2022, 14, 795454.	1.7	4
148	Medial prefrontal cortex and hippocampus in mice differently affected by simulate microgravity and social isolation associated with the alternation of emotional and cognitive functions. Life Sciences in Space Research, 2022, 33, 21-32.	1.2	4
149	Multimodal Neural Response and Effect Assessment During a BCI-Based Neurofeedback Training After Stroke. Frontiers in Neuroscience, 0, 16, .	1.4	4
150	Identification of humans using infrared gait recognition. Virtual Environments, Human-Computer Interfaces and Measurements Systems, 2009 VECIMS '09 IEEE International Conference on, 2009, , .	0.0	3
151	Feature selection study of P300 speller using support vector machine. , 2010, , .		3
152	Neuroprosthesis system for lower limbs action based on functional electrical stimulation. , 2011, , .		3
153	Human gait recognition based on hybrid-dimensional features from infrared motion images. , 2012, , .		3
154	Analysis of knee joint kinematics during walking in patients with cerebral palsy through human motion capture and gait model-based measurement. , 2012, , .		3
155	The parallel-BCI speller based on the P300 and SSVEP features. , 2013, , .		3
156	Corticomuscular coherence analysis on the static and dynamic tasks of hand movement. , 2014, , .		3
157	Ultrasound Image Analysis on Muscle Texture of Vastus Intermedius and Rectus Femoris Under Neuromuscular Electrical Stimulation. Journal of Medical Imaging and Health Informatics, 2015, 5, 342-349.	0.2	3
158	Hub Patterns-Based Detection of Dynamic Functional Network Metastates in Resting State: A Test-Retest Analysis. Frontiers in Neuroscience, 2019, 13, 856.	1.4	3
159	Extra excitation of biceps femoris during neuromuscular electrical stimulation reduces knee medial loading. Royal Society Open Science, 2019, 6, 181545.	1.1	3
160	Dynamic visual guidance with complex task improves intracortical source activities during motor imagery. NeuroReport, 2019, 30, 645-652.	0.6	3
161	A Symmetrical Sensor Configuration for Acoustoelectric Brain Imaging. IEEE Sensors Journal, 2021, 21, 22891-22898.	2.4	3
162	Sensorimotor rhythm neurofeedback training relieves anxiety in healthy people. Cognitive Neurodynamics, 2022, 16, 531-544.	2.3	3

#	Article	IF	Citations
163	Spatial localization in target detection based on decoding N2pc component. Journal of Neuroscience Methods, 2022, 369, 109440.	1.3	3
164	A Facial Electromyography Activity Detection Method in Silent Speech Recognition. , 2021, , .		3
165	Phase resetting and evoked activity contribute to the genesis of P300 signal in BCI system. , 2009, , .		2
166	Feature recognition of multi-class imaginary movements in brain-computer interface. Virtual Environments, Human-Computer Interfaces and Measurements Systems, 2009 VECIMS '09 IEEE International Conference on, 2009, , .	0.0	2
167	Independent Component Automatic Clustering and its application on multi-trails imaginary hand movement related EEG. Virtual Environments, Human-Computer Interfaces and Measurements Systems, 2009 VECIMS '09 IEEE International Conference on, 2009, , .	0.0	2
168	ICA-SVM combination algorithm for identification of motor imagery potentials. , 2010, , .		2
169	A motion simulation and biomechanical analysis of the shoulder joint using a whole human model. , 2011, , .		2
170	Digital spelling BCI based on visual-auditory associate stimulation. , 2012, , .		2
171	Concurrent mental activities affect ERPs and impair performance of ERP-spellers. , 2015, , .		2
172	Positive Emotion Impairs Verbal Working Memory Updating: A Brain Network Study. , 2019, , .		2
173	Effect of walking variations on complementary filter based inertial data fusion for ankle angle measurement. , 2019, , .		2
174	The Feasibility of Longitudinal Upper Extremity Motor Function Assessment Using EEG. Sensors, 2020, 20, 5487.	2.1	2
175	Bio-Inorganic Hybrid Nongenetically Modified Viruses as an Immune Agonist for Systemic Elimination of Cancer Cells. ACS Applied Materials & Interfaces, 2020, 12, 53691-53704.	4.0	2
176	NIR-triggered engineered photosynthetic microâ€"nanodevice for reversing the hypoxic tumor immunosuppressive microenvironment. Materials Chemistry Frontiers, 2021, 5, 2234-2246.	3.2	2
177	Comparison effects of chronic sleep deprivation on juvenile and young adult mice. Journal of Sleep Research, 2022, 31, e13399.	1.7	2
178	Investigation of Transcranial Focused Ultrasound Attenuation with Multilayer Head Model. , 2020, , .		2
179	A Real-time sEMG-based Control Strategy and System for Contralaterally Controlled Functional Electrical Stimulation. , 2021, , .		2
180	A Mode-Specific Classification Based on sEMG for User-Independent Locomotion Transition Recognition. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
181	Recent Advances in Aptamer‐Based Nanopore Sensing at Single‐Molecule Resolution. Chemistry - an Asian Journal, 0, , .	1.7	2
182	Super resolution reconstruction based on total variation regularization. , 2010, , .		1
183	Wireless walker dynamometer design and static calibration based on ant colony system. IET Wireless Sensor Systems, 2013, 3, 233-238.	1.3	1
184	Within-stimulus emotion recognition may inflate the classification accuracies based on EEG signals. , 2015, , .		1
185	MEP analysis of hand motor imagery with bimanual coordination under transcranial magnetic stimulation. , 2015, , .		1
186	Emotion recognition based on EEG changes in movie viewing. , 2015, , .		1
187	The research on cross-platform transplantation of generic model on subject-independent BCI. , 2015, , .		1
188	Typical Electrode Configuration Analysis for Temporally Interfering Deep Brain Stimulation*. , 2019, , .		1
189	Transcranial Alternating Current Stimulation at Individual Alpha Frequency Enhances Alpha Activity in Frontal Areas. , 2019, , .		1
190	Modeling Strategies and Spatial Filters for Improving the Performance of P300-speller within and across Individuals. , 2019, , .		1
191	A Systematic Analysis of Noninvasive Sensory Feedback Reconstruction Methods for Upper Limb Amputees. , 2019, , .		1
192	Improve the generalization of the cross-task emotion classifier using EEG based on feature selection and SVR. , 2019, , .		1
193	The effects of gastrin-releasing peptide on the voltage-gated channels in rat hippocampal neurons. Neuropeptides, 2020, 84, 102080.	0.9	1
194	Research on removal function of fluid hydrodynamic fixed abrasive grinding. Journal of Advanced Research, 2020, 24, 397-408.	4.4	1
195	Integrating EEG and NIRS improves BCI performance during motor imagery**Research supported by the National Key Research and Development Program of China under grant 2017YFB1300302, National Natural Science Foundation of China (No. 81630051, 81925020, 62006171), and Tianjin Key Technology R&D Program (No. 17ZXRGGX00020).. , 2021, , .		1
196	Modulation of Sustained Attention by Theta-tACS over the Lateral and Medial Frontal Cortices. Neural Plasticity, 2021, 2021, 1-12.	1.0	1
197	Quantitative Investigation of Hand Grasp Functionality: Thumb Grasping Behavior Adapting to Different Object Shapes, Sizes, and Relative Positions. Applied Bionics and Biomechanics, 2021, 2021, 1-17.	0.5	1
198	Phantom Experiment-Based Validation for Time-Varying Acoustoelectric Brain Imaging With Non-Stationary Current Source Characteristics. IEEE Sensors Journal, 2022, 22, 4215-4223.	2.4	1

#	Article	IF	Citations
199	Functional Reorganization After Four-Week Brain–Computer Interface-Controlled Supernumerary Robotic Finger Training: A Pilot Study of Longitudinal Resting-State fMRI. Frontiers in Neuroscience, 2021, 15, 766648.	1.4	1
200	Risk-tendency graph (RTG): a new gait-analysis technique for monitoring FES-assisted paraplegic walking stability. Medical Science Monitor, 2009, 15, MT105-12.	0.5	1
201	Upper extremity kinetics during walker-assisted gait of knee joint stiffness simulation. , 2010, , .		0
202	Modified corticomuscular coherence measurement and computation under static force output of human-machine interaction. , 2012, , .		0
203	A study of effect of N-back and arithmetic mental workload on performance of P300-Speller. , 2015, , .		0
204	An source-based common spatial filter selection for improving mis-triggering problem in brain-computer interface based on motor imagery. , 2017, , .		0
205	Knee medial loading evaluation in walking state via multiple predictors. , 2019, , .		0
206	The Effect of Static and Dynamic Visual Stimulations on Error Detection Based on Error-Evoked Brain Responses. Sensors, 2020, 20, 4475.	2.1	0
207	Evaluation of Mental Workload Associated With Time Pressure in Rapid Serial Visual Presentation Tasks. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 608-616.	2.6	0
208	The effects evaluation of a long-term neurofeedback training using coupling EEG-EMG features**Research supported by the National Key Research and Development Program of China under grant 2017YFB1300302, National Natural Science Foundation of China (No. 81630051, 81925020, 62006171), and Tianjin Key Technology R&D Program (No. 17ZXRGGX00020).. , 2021, , .		0
209	Workspace Volume of Human Bimanual Precision Manipulation Influenced by the Wrist Configuration and Finger Combination. IEEE Transactions on Haptics, 2021, PP, 1-1.	1.8	0
210	A straightforward and miniature implementation method of postural synergies to replicate human grasp characteristics accurately and intuitively. Bioinspiration and Biomimetics, 2022, 17, 026012.	1.5	0
211	Improving The Classification Accuracy of Negative Emotions Based on Multiple Physiological Signals Using A Novel Information Fusion Method FWBP. , 2021, , .		0
212	A Novel Bci Paradigm Combining Visual Imagery and Emotion: A Pilot Study. , 2021, , .		0
213	Biological nanopore approach for single–molecule analysis of nucleobase modifications. Electrochemical Science Advances, 0, , .	1.2	0
214	Quantitative Investigation of Hand Grasp Functionality: Hand Joint Motion Correlation, Independence, and Grasping Behavior. Applied Bionics and Biomechanics, 2021, 2021, 1-14.	0.5	0