

Dong Ming

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

172
papers

1,571
citations

20
h-index

32
g-index

230
ext. papers

2,451
ext. citations

4.6
avg, IF

5.16
L-index

#	Paper	IF	Citations
172	Phantom Experiment-based Validation for Time-varying Acoustoelectric Brain Imaging with Non-stationary Current Source Characteristics. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	1
171	EEG characteristic investigation of the sixth-finger motor imagery and optimal channel selection for classification.. <i>Journal of Neural Engineering</i> , 2022 , 19,	5	2
170	Peripheral Electrical Stimulation for Parkinsonian Tremor: A Systematic Review.. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 795454	5.3	
169	Discriminating subclinical depression from major depression using multi-scale brain functional features: A radiomics analysis. <i>Journal of Affective Disorders</i> , 2022 , 297, 542-552	6.6	1
168	Basic mechanisms of peripheral nerve injury and treatment via electrical stimulation.. <i>Neural Regeneration Research</i> , 2022 , 17, 2185-2193	4.5	3
167	Intracranial Aneurysm Rupture Risk Estimation With Multidimensional Feature Fusion.. <i>Frontiers in Neuroscience</i> , 2022 , 16, 813056	5.1	0
166	Low-Intensity Focused Ultrasound Stimulation Ameliorates Working Memory Dysfunctions in Vascular Dementia Rats Improving Neuronal Environment.. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 814560	5.3	3
165	Effects of inter-stimulus intervals on concurrent P300 and SSVEP features for hybrid brain-computer interfaces.. <i>Journal of Neuroscience Methods</i> , 2022 , 372, 109535	3	0
164	Medial prefrontal cortex and hippocampus in mice differently affected by simulate microgravity and social isolation associated with the alternation of emotional and cognitive functions.. <i>Life Sciences in Space Research</i> , 2022 , 33, 21-32	2.4	0
163	Incorporating EEG and EMG Patterns to Evaluate BCI-Based Long-Term Motor Training. <i>IEEE Transactions on Human-Machine Systems</i> , 2022 , 1-10	4.1	1
162	Spatial localization in target detection based on decoding N2pc component.. <i>Journal of Neuroscience Methods</i> , 2021 , 369, 109440	3	2
161	Functional Reorganization After Four-Week Brain-Computer Interface-Controlled Supernumerary Robotic Finger Training: A Pilot Study of Longitudinal Resting-State fMRI.. <i>Frontiers in Neuroscience</i> , 2021 , 15, 766648	5.1	
160	Quantitative Investigation of Hand Grasp Functionality: Thumb Grasping Behavior Adapting to Different Object Shapes, Sizes, and Relative Positions. <i>Applied Bionics and Biomechanics</i> , 2021 , 2021, 2640422	1.6	1
159	Current Challenges for the Practical Application of Electroencephalography-Based Brain-Computer Interfaces. <i>Engineering</i> , 2021 , 7, 1710-1710	9.7	6
158	Cross-Task Consistency of Electroencephalography-Based Mental Workload Indicators: Comparisons Between Power Spectral Density and Task-Irrelevant Auditory Event-Related Potentials. <i>Frontiers in Neuroscience</i> , 2021 , 15, 703139	5.1	1
157	The Temporal Dynamics of EEG Microstate Reveals the Neuromodulation Effect of Acupuncture With. <i>Frontiers in Neuroscience</i> , 2021 , 15, 715512	5.1	0
156	Efficacy Evaluation of Neurofeedback-Based Anxiety Relief. <i>Frontiers in Neuroscience</i> , 2021 , 15, 758068	5.1	2

155	Review of brain encoding and decoding mechanisms for EEG-based brain-computer interface. <i>Cognitive Neurodynamics</i> , 2021 , 15, 569-584	4.2	9
154	NIR-Responsive Spatiotemporally Controlled Cyanobacteria Micro-Nanodevice for Intensity-Modulated Chemotherapeutics in Rheumatoid Arthritis. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 18423-18431	9.5	3
153	Objective electroencephalography-based assessment for auditory rehabilitation of pediatric cochlear implant users. <i>Hearing Research</i> , 2021 , 404, 108211	3.9	2
152	Enhancement for P300-speller classification using multi-window discriminative canonical pattern matching. <i>Journal of Neural Engineering</i> , 2021 , 18,	5	6
151	Molybdenum Disulfide Supported on Metal-Organic Frameworks as an Ultrasensitive Layer for the Electrochemical Detection of the Ovarian Cancer Biomarker CA125.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 5494-5502	4.1	9
150	Modulation of Sustained Attention by Theta-tACS over the Lateral and Medial Frontal Cortices. <i>Neural Plasticity</i> , 2021 , 2021, 5573471	3.3	1
149	EEG-controlled functional electrical stimulation rehabilitation for chronic stroke: system design and clinical application. <i>Frontiers of Medicine</i> , 2021 , 15, 740-749	12	1
148	Comparison effects of chronic sleep deprivation on juvenile and young adult mice. <i>Journal of Sleep Research</i> , 2021 , e13399	5.8	1
147	Altered spontaneous neural activity in the precuneus, middle and superior frontal gyri, and hippocampus in college students with subclinical depression. <i>BMC Psychiatry</i> , 2021 , 21, 280	4.2	3
146	A Systematic Analysis of Hand Movement Functionality: Qualitative Classification and Quantitative Investigation of Hand Grasp Behavior. <i>Frontiers in Neurorobotics</i> , 2021 , 15, 658075	3.4	2
145	Optimization of Task Allocation for Collaborative Brain-Computer Interface Based on Motor Imagery. <i>Frontiers in Neuroscience</i> , 2021 , 15, 683784	5.1	1
144	Dynamic Brain Responses Modulated by Precise Timing Prediction in an Opposing Process. <i>Neuroscience Bulletin</i> , 2021 , 37, 70-80	4.3	4
143	Multisource Acoustoelectric Imaging With Different Current Source Features. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-9	5.2	4
142	Evaluation of mental workload associated with time pressure in rapid serial visual presentation tasks. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2021 , 1-1	3	
141	NIR-triggered engineered photosynthetic microdevice for reversing the hypoxic tumor immunosuppressive microenvironment. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 2234-2246	7.8	2
140	Emotional Arousal and Valence Jointly Modulate the Auditory Response: A 40-Hz ASSR Study. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021 , 29, 1150-1157	4.8	1
139	Repetitive Transcranial Magnetic Stimulation (rTMS) Improves the Gait Disorders of Rats Under Simulated Microgravity Conditions Associated With the Regulation of Motor Cortex. <i>Frontiers in Physiology</i> , 2021 , 12, 587515	4.6	1
138	EEG-Based Anxious States Classification Using Affective BCI-Based Closed Neurofeedback System. <i>Journal of Medical and Biological Engineering</i> , 2021 , 41, 1-10	2.2	5

137	Integrated printed BDNF/collagen/chitosan scaffolds with low temperature extrusion 3D printer accelerated neural regeneration after spinal cord injury. <i>International Journal of Energy Production and Management</i> , 2021 , 8, rbab047	5.3	6
136	Enhancing transfer performance across datasets for brain-computer interfaces using a combination of alignment strategies and adaptive batch normalization. <i>Journal of Neural Engineering</i> , 2021 , 18,	5	8
135	Acupuncture With Modulates the Hemodynamic Response and Functional Connectivity of the Prefrontal-Motor Cortical Network. <i>Frontiers in Neuroscience</i> , 2021 , 15, 693623	5.1	0
134	Inhalable nanovaccine with biomimetic coronavirus structure to trigger mucosal immunity of respiratory tract against COVID-19. <i>Chemical Engineering Journal</i> , 2021 , 418, 129392	14.7	13
133	Imagined speech increases the hemodynamic response and functional connectivity of the dorsal motor cortex. <i>Journal of Neural Engineering</i> , 2021 , 18,	5	2
132	The Time-Robustness Analysis of Individual Identification Based on Resting-State EEG. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 672946	3.3	0
131	The Effects of the Structural and Acoustic Parameters of the Skull Model on Transcranial Focused Ultrasound. <i>Sensors</i> , 2021 , 21,	3.8	2
130	Nanoarmour-shielded single-cell factory for bacteriotherapy of Parkinson's disease. <i>Journal of Controlled Release</i> , 2021 , 338, 742-753	11.7	1
129	Sendai virus-based immunoadjuvant in hydrogel vaccine intensity-modulated dendritic cells activation for suppressing tumorigenesis. <i>Bioactive Materials</i> , 2021 , 6, 3879-3891	16.7	4
128	A Symmetrical Sensor Configuration for Acoustoelectric Brain Imaging. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	2
127	Living Rat SSVEP Mapping with Acoustoelectric Brain Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , PP,	5	8
126	Mathematical Model of Ultrasound Attenuation With Skull Thickness for Transcranial-Focused Ultrasound.. <i>Frontiers in Neuroscience</i> , 2021 , 15, 778616	5.1	1
125	Quantitative Investigation of Hand Grasp Functionality: Hand Joint Motion Correlation, Independence, and Grasping Behavior.. <i>Applied Bionics and Biomechanics</i> , 2021 , 2021, 2787832	1.6	
124	The Advance of CRISPR-Cas9-Based and NIR/CRISPR-Cas9-Based Imaging System.. <i>Frontiers in Chemistry</i> , 2021 , 9, 786354	5	1
123	Bio-Inorganic Hybrid Nongenetically Modified Viruses as an Immune Agonist for Systemic Elimination of Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 ,	9.5	1
122	Performance Improvement for Detecting Brain Function Using fNIRS: A Multi-Distance Probe Configuration With PPL Method. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 569508	3.3	1
121	Research on removal function of fluid hydrodynamic fixed abrasive grinding. <i>Journal of Advanced Research</i> , 2020 , 24, 397-408	13	
120	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. <i>Neurotoxicity Research</i> , 2020 , 38, 914-928	4.3	6

119	Implementing Over 100 Command Codes for a High-Speed Hybrid Brain-Computer Interface Using Concurrent P300 and SSVEP Features. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 3073-3082	5	52
118	Neural activities classification of left and right finger gestures during motor execution and motor imagery. <i>Brain-Computer Interfaces</i> , 2020 , 1-11	2	5
117	Repair of osteochondral defect using icariin-conditioned serum combined with chitosan in rabbit knees. <i>BMC Complementary Medicine and Therapies</i> , 2020 , 20, 193	2.9	3
116	Separable EEG Features Induced by Timing Prediction for Active Brain-Computer Interfaces. <i>Sensors</i> , 2020 , 20,	3.8	4
115	The effect of modifying foot progression angle on the knee loading parameters in healthy participants with different static foot postures. <i>Gait and Posture</i> , 2020 , 81, 7-13	2.6	2
114	Coding Biological Current Source With Pulsed Ultrasound for Acoustoelectric Brain Imaging: Application to Vivo Rat Brain. <i>IEEE Access</i> , 2020 , 8, 29586-29594	3.5	4
113	Investigation of Transcranial Focused Ultrasound Attenuation with Multilayer Head Model 2020 ,		2
112	Micro- and nanotechnology for neural electrode-tissue interfaces. <i>Biosensors and Bioelectronics</i> , 2020 , 170, 112645	11.8	17
111	Intravenously Infusing the Secretome of Adipose-Derived Mesenchymal Stem Cells Ameliorates Neuroinflammation and Neurological Functioning After Traumatic Brain Injury. <i>Stem Cells and Development</i> , 2020 , 29, 222-234	4.4	18
110	Enhance decoding of pre-movement EEG patterns for brain-computer interfaces. <i>Journal of Neural Engineering</i> , 2020 , 17, 016033	5	58
109	Discriminative Canonical Pattern Matching for Single-Trial Classification of ERP Components. <i>IEEE Transactions on Biomedical Engineering</i> , 2020 , 67, 2266-2275	5	42
108	A brain-computer interface based on high-frequency steady-state asymmetric visual evoked potentials. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2020 , 2020, 3090-3093	0.9	2
107	Characterization of EEG Data Revealing Relationships With Cognitive and Motor Symptoms in Parkinson's Disease: A Systematic Review. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 587396	5.3	9
106	Optimizing SSVEP-Based BCI System towards Practical High-Speed Spelling. <i>Sensors</i> , 2020 , 20,	3.8	7
105	Gender Differences Are Encoded Differently in the Structure and Function of the Human Brain Revealed by Multimodal MRI. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 244	3.3	4
104	Improving the Cross-Subject Performance of the ERP-Based Brain-Computer Interface Using Rapid Serial Visual Presentation and Correlation Analysis Rank. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 296	3.3	4
103	A Brain-Computer Interface Based on Multifocal SSVEPs Detected by Inter-Task-Related Component Analysis. <i>IEEE Access</i> , 2020 , 8, 138539-138550	3.5	5
102	The effects of gastrin-releasing peptide on the voltage-gated channels in rat hippocampal neurons. <i>Neuropeptides</i> , 2020 , 84, 102080	3.3	

101	Multi-channel transcranial temporally interfering stimulation (tTIS): application to living mice brain. <i>Journal of Neural Engineering</i> , 2020 ,	5	3
100	The Near-Infrared-II Fluorophores and Advanced Microscopy Technologies Development and Application in Bioimaging. <i>Bioconjugate Chemistry</i> , 2020 , 31, 260-275	6.3	39
99	Cross-Dataset Variability Problem in EEG Decoding With Deep Learning. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 103	3.3	27
98	Photodetectors based on two dimensional materials for biomedical application. <i>Biosensors and Bioelectronics</i> , 2019 , 143, 111617	11.8	12
97	Transcranial Alternating Current Stimulation at Individual Alpha Frequency Enhances Alpha Activity in Frontal Areas 2019 ,		1
96	3D Stimulus Presentation of ERP-Speller in Virtual Reality* 2019 ,		3
95	Hub Patterns-Based Detection of Dynamic Functional Network Metastates in Resting State: A Test-Retest Analysis. <i>Frontiers in Neuroscience</i> , 2019 , 13, 856	5.1	0
94	Nanozyme-Based Bandage with Single-Atom Catalysis for Brain Trauma. <i>ACS Nano</i> , 2019 , 13, 11552-11566	6.7	85
93	Current Change Rate Influences Sensorimotor Cortical Excitability During Neuromuscular Electrical Stimulation. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 152	3.3	4
92	Noninvasive Acoustoelectric Imaging of Resistivity Distribution Based on Lead Field Theory. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019 , 68, 4779-4786	5.2	4
91	Extra excitation of biceps femoris during neuromuscular electrical stimulation reduces knee medial loading. <i>Royal Society Open Science</i> , 2019 , 6, 181545	3.3	1
90	The Conjoint Analysis of Microstructural and Morphological Changes of Gray Matter During Aging. <i>Frontiers in Neurology</i> , 2019 , 10, 184	4.1	4
89	BCI Monitor Enhances Electroencephalographic and Cerebral Hemodynamic Activations During Motor Training. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019 , 27, 780-787	4.8	16
88	Robustness Analysis of Identification Using Resting-State EEG Signals. <i>IEEE Access</i> , 2019 , 7, 42113-42122	3.5	14
87	The Effects of Transcranial Direct Current Stimulation (tDCS) on Working Memory Training in Healthy Young Adults. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 19	3.3	31
86	Enhanced Auditory Steady-State Response Using an Optimized Chirp Stimulus-Evoked Paradigm. <i>Sensors</i> , 2019 , 19,	3.8	2
85	Low-Frequency Pulsed Magnetic Field Improves Depression-Like Behaviors and Cognitive Impairments in Depressive Rats Mainly via Modulating Synaptic Function. <i>Frontiers in Neuroscience</i> , 2019 , 13, 820	5.1	13
84	Typical Electrode Configuration Analysis for Temporally Interfering Deep Brain Stimulation* 2019 ,		1

83	A Source Signal Modulation Mechanism with Pulse Focused Ultrasound for Acoustoelectric Brain Imaging* 2019 ,		2
82	G-Causality Brain Connectivity Differences of Finger Movements between Motor Execution and Motor Imagery. <i>Journal of Healthcare Engineering</i> , 2019 , 2019, 5068283	3.7	19
81	Diffusion tensor imaging predicting neurological repair of spinal cord injury with transplanting collagen/chitosan scaffold binding bFGF. <i>Journal of Materials Science: Materials in Medicine</i> , 2019 , 30, 123	4.5	9
80	Modeling Strategies and Spatial Filters for Improving the Performance of P300-speller within and across Individuals 2019 ,		1
79	Effect of walking variations on complementary filter based inertial data fusion for ankle angle measurement 2019 ,		1
78	Dynamic visual guidance with complex task improves intracortical source activities during motor imagery. <i>NeuroReport</i> , 2019 , 30, 645-652	1.7	1
77	Improve the generalization of the cross-task emotion classifier using EEG based on feature selection and SVR 2019 ,		1
76	The Transitions Between Dynamic Micro-States Reveal Age-Related Functional Network Reorganization. <i>Frontiers in Physiology</i> , 2018 , 9, 1852	4.6	7
75	A Brain-Computer Interface Based on Miniature-Event-Related Potentials Induced by Very Small Lateral Visual Stimuli. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 , 65, 1166-1175	5	114
74	Age-related early/late variations of functional connectivity across the human lifespan. <i>Neuroradiology</i> , 2018 , 60, 403-412	3.2	11
73	VEGF attenuates 2-VO induced cognitive impairment and neuronal injury associated with the activation of PI3K/Akt and Notch1 pathway. <i>Experimental Gerontology</i> , 2018 , 102, 93-100	4.5	14
72	Electrophysiological changes in poststroke subjects with depressed mood: A quantitative EEG study. <i>International Journal of Geriatric Psychiatry</i> , 2018 , 33, 934-940	3.9	2
71	A transplantation of subject-independent model in cross-platform BCI. <i>International Journal of Machine Learning and Cybernetics</i> , 2018 , 9, 959-967	3.8	3
70	Study on an effective cross-stimulus emotion recognition model using EEGs based on feature selection and support vector machine. <i>International Journal of Machine Learning and Cybernetics</i> , 2018 , 9, 721-726	3.8	13
69	Mutual Information-Based Brain Network Analysis in Post-stroke Patients With Different Levels of Depression. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 285	3.3	12
68	Incorporation of Multiple-Days Information to Improve the Generalization of EEG-Based Emotion Recognition Over Time. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 267	3.3	8
67	Effects of Distracting Task with Different Mental Workload on Steady-State Visual Evoked Potential Based Brain Computer Interfaces-an Offline Study. <i>Frontiers in Neuroscience</i> , 2018 , 12, 79	5.1	7
66	How Physical Activities Affect Mental Fatigue Based on EEG Energy, Connectivity, and Complexity. <i>Frontiers in Neurology</i> , 2018 , 9, 915	4.1	19

65	Using Convolutional Neural Networks for Identification Based on EEG Signals 2018 ,		3
64	Increased Corticomuscular Coherence and Brain Activation Immediately After Short-Term Neuromuscular Electrical Stimulation. <i>Frontiers in Neurology</i> , 2018 , 9, 886	4.1	5
63	Dynamic stability and spatiotemporal parameters during turning in healthy young adults. <i>BioMedical Engineering OnLine</i> , 2018 , 17, 127	4.1	8
62	Sonomyography Analysis on Thickness of Skeletal Muscle During Dynamic Contraction Induced by Neuromuscular Electrical Stimulation: A Pilot Study. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017 , 25, 59-67	4.8	9
61	Enhancing performance of a motor imagery based brain-computer interface by incorporating electrical stimulation-induced SSSEP. <i>Journal of Neural Engineering</i> , 2017 , 14, 026002	5	33
60	Quantitative EEG abnormalities in major depressive disorder with basal ganglia stroke with lesions in different hemispheres. <i>Journal of Affective Disorders</i> , 2017 , 215, 172-178	6.6	8
59	Automated detection of pathologic white matter alterations in Alzheimer's disease using combined diffusivity and kurtosis method. <i>Psychiatry Research - Neuroimaging</i> , 2017 , 264, 35-45	2.9	22
58	Research on Gastroesophageal Reflux Disease Based on Dynamic Features of Ambulatory 24-Hour Esophageal pH Monitoring. <i>Computational and Mathematical Methods in Medicine</i> , 2017 , 2017, 9239074	2.8	3
57	The effects of semantic congruency: a research of audiovisual P300-speller. <i>BioMedical Engineering OnLine</i> , 2017 , 16, 91	4.1	3
56	Enhancing performance of P300-Speller under mental workload by incorporating dual-task data during classifier training. <i>Computer Methods and Programs in Biomedicine</i> , 2017 , 152, 35-43	6.9	6
55	Comparison of the COM-FCP inclination angle and other mediolateral stability indicators for turning. <i>BioMedical Engineering OnLine</i> , 2017 , 16, 37	4.1	4
54	A brain-computer interface driven by imagining different force loads on a single hand: an online feasibility study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2017 , 14, 93	5.3	18
53	EEG-based emotion recognition using nonlinear feature 2017 ,		8
52	EEG oscillatory patterns and classification of sequential compound limb motor imagery. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016 , 13, 11	5.3	28
51	Differential effects of variable frequencies of manual acupuncture at ST36 in rats with atropine-induced inhibition of gastric motility. <i>Acupuncture in Medicine</i> , 2016 , 34, 33-9	1.9	19
50	Abnormal EEG Complexity and Functional Connectivity of Brain in Patients with Acute Thalamic Ischemic Stroke. <i>Computational and Mathematical Methods in Medicine</i> , 2016 , 2016, 2582478	2.8	14
49	Enhanced spontaneous functional connectivity of the superior temporal gyrus in early deafness. <i>Scientific Reports</i> , 2016 , 6, 23239	4.9	21
48	Incorporation of Inter-Subject Information to Improve the Accuracy of Subject-Specific P300 Classifiers. <i>International Journal of Neural Systems</i> , 2016 , 26, 1650010	6.2	16

47	Use of a steady-state baseline to address evoked vs. oscillation models of visual evoked potential origin. <i>NeuroImage</i> , 2016 , 134, 204-212	7.9	16
46	Fast detection of covert visuospatial attention using hybrid N2pc and SSVEP features. <i>Journal of Neural Engineering</i> , 2016 , 13, 066003	5	10
45	A Stimulus Artifact Removal Technique for SEMG Signal Processing During Functional Electrical Stimulation. <i>IEEE Transactions on Biomedical Engineering</i> , 2015 , 62, 1959-68	5	19
44	Application of BCI-FES system on stroke rehabilitation 2015 ,		4
43	Cross-modal activation of auditory regions during visuo-spatial working memory in early deafness. <i>Brain</i> , 2015 , 138, 2750-65	11.2	48
42	Randomly dividing homologous samples leads to overinflated accuracies for emotion recognition. <i>International Journal of Psychophysiology</i> , 2015 , 96, 29-37	2.9	9
41	Towards an effective cross-task mental workload recognition model using electroencephalography based on feature selection and support vector machine regression. <i>International Journal of Psychophysiology</i> , 2015 , 98, 157-66	2.9	26
40	Inter-subject information contributes to the ERP classification in the P300 speller 2015 ,		3
39	Ultrasound Image Analysis on Muscle Texture of Vastus Intermedius and Rectus Femoris Under Neuromuscular Electrical Stimulation. <i>Journal of Medical Imaging and Health Informatics</i> , 2015 , 5, 342-349 ^{1,2}		2
38	Concurrent mental activities affect ERPs and impair performance of ERP-spellers 2015 ,		1
37	Neural complexity in patients with poststroke depression: A resting EEG study. <i>Journal of Affective Disorders</i> , 2015 , 188, 310-8	6.6	26
36	The research on cross-platform transplantation of generic model on subject-independent BCI 2015 ,		1
35	Corticomuscular coherence analysis on the static and dynamic tasks of hand movement 2014 ,		3
34	Feature selection and channel optimization for biometric identification based on visual evoked potentials 2014 ,		7
33	Exploring combinations of auditory and visual stimuli for gaze-independent brain-computer interfaces. <i>PLoS ONE</i> , 2014 , 9, e1111070	3.7	24
32	Evaluation of EEG oscillatory patterns and cognitive process during simple and compound limb motor imagery. <i>PLoS ONE</i> , 2014 , 9, e114853	3.7	28
31	An EEG-based mental workload estimator trained on working memory task can work well under simulated multi-attribute task. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 703	3.3	28
30	A visual parallel-BCI speller based on the time-frequency coding strategy. <i>Journal of Neural Engineering</i> , 2014 , 11, 026014	5	27

29	Wireless walker dynamometer design and static calibration based on ant colony system. <i>IET Wireless Sensor Systems</i> , 2013 , 3, 233-238	1.6	1
28	A hybrid BCI speller paradigm combining P300 potential and the SSVEP blocking feature. <i>Journal of Neural Engineering</i> , 2013 , 10, 026001	5	79
27	Image Processing and Recognition of Multiple Static Hand Gestures for Human-Computer Interaction 2013 ,		2
26	The parallel-BCI speller based on the P300 and SSVEP features 2013 ,		3
25	A P300-speller based on event-related spectral perturbation (ERSP) 2012 ,		2
24	A hybrid brain-computer interface combining the EEG and NIRS 2012 ,		4
23	Human gait recognition based on hybrid-dimensional features from infrared motion images 2012 ,		2
22	Digital spelling BCI based on visual-auditory associate stimulation 2012 ,		2
21	Analysis of knee joint kinematics during walking in patients with cerebral palsy through human motion capture and gait model-based measurement 2012 ,		1
20	A motion simulation and biomechanical analysis of the shoulder joint using a whole human model 2011 ,		1
19	Study on fatigue feature from forearm SEMG signal based on wavelet analysis 2010 ,		12
18	Feature selection study of P300 speller using support vector machine 2010 ,		3
17	Super resolution reconstruction based on total variation regularization 2010 ,		1
16	Electroencephalograph (EEG) signal processing method of motor imaginary potential for attention level classification. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 4347-51	0.9	5
15	Video image super-resolution restoration based on iterative back-projection algorithm 2009 ,		2
14	Nonlinear static decoupling of six-dimension force sensor for walker dynamometer system based on artificial neural network 2009 ,		4
13	Identification of humans using infrared gait recognition. <i>Virtual Environments, Human-Computer Interfaces and Measurements Systems, 2009 VECIMS I09 IEEE International Conference on</i> , 2009 ,		2
12	Gait recognition based on multiple views fusion of wavelet descriptor and human skeleton model. <i>Virtual Environments, Human-Computer Interfaces and Measurements Systems, 2009 VECIMS I09 IEEE International Conference on</i> , 2009 ,		5

11	A gait stability investigation into FES-assisted paraplegic walking based on the walker tipping index. <i>Journal of Neural Engineering</i> , 2009 , 6, 066007	5	8
10	Study on EEG-based mouse system by using brain-computer interface 2009 ,		4
9	Novel gait recognition technique based on SVM fusion of PCA-processed contour projection and skeleton model features 2009 ,		2
8	Multiscale entropy analysis of attention related EEG based on motor imaginary potential 2009 ,		2
7	Indirect biomechanics measurement on shoulder joint moments of walker-assisted gait. <i>Virtual Environments, Human-Computer Interfaces and Measurements Systems, 2009 VECIMS 109 IEEE International Conference on</i> , 2009 ,		4
6	Risk-tendency graph (RTG): a new gait-analysis technique for monitoring FES-assisted paraplegic walking stability. <i>Medical Science Monitor</i> , 2009 , 15, MT105-12	3.2	1
5	New Gait Recognition Technique Used in Functional Electrical Stimulation System Control 2006 ,		2
4	Hypofunction of directed brain network within alpha frequency band in depressive patients: a graph-theoretic analysis. <i>Cognitive Neurodynamics</i> ,1	4.2	0
3	Reversing the systemic biotoxicity of nanomaterials by downregulating ROS-related signaling pathways in the multi-organs of Zebrafish embryos. <i>Materials Chemistry Frontiers</i> ,	7.8	1
2	Biological nanopore approach for single-molecule analysis of nucleobase modifications. <i>Electrochemical Science Advances</i> ,		
1	Recent Advances in Aptamer-Based Nanopore Sensing at Single-Molecule Resolution. <i>Chemistry - an Asian Journal</i> ,	4.5	