

Cuntai Guan

List of Publications by Year in descending order

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356
papers

15,591
citations

34016

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times ranked

9103
citing authors

#	ARTICLE	IF	CITATIONS
1	E-Key: An EEG-Based Biometric Authentication and Driving Fatigue Detection System. IEEE Transactions on Affective Computing, 2023, 14, 864-877.	5.7	14
2	TSception: Capturing Temporal Dynamics and Spatial Asymmetry From EEG for Emotion Recognition. IEEE Transactions on Affective Computing, 2023, 14, 2238-2250.	5.7	44
3	Tensor-CSPNet: A Novel Geometric Deep Learning Framework for Motor Imagery Classification. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10955-10969.	7.2	13
4	Effects of Cognitive Distraction on Upper Limb Movement Decoding From EEG Signals. IEEE Transactions on Biomedical Engineering, 2023, 70, 166-174.	2.5	1
5	Structural and diffusion MRI based schizophrenia classification using 2D pretrained and 3D naive Convolutional Neural Networks. Schizophrenia Research, 2022, 243, 330-341.	1.1	23
6	Spatio-Spectral Feature Representation for Motor Imagery Classification Using Convolutional Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3038-3049.	7.2	55
7	Design a Novel BCI for Neurorehabilitation Using Concurrent LFP and EEG Features: A Case Study. IEEE Transactions on Biomedical Engineering, 2022, 69, 1554-1563.	2.5	12
8	Robust Traffic Prediction From Spatial–Temporal Data Based on Conditional Distribution Learning. IEEE Transactions on Cybernetics, 2022, 52, 13458-13471.	6.2	15
9	MIN2Net: End-to-End Multi-Task Learning for Subject-Independent Motor Imagery EEG Classification. IEEE Transactions on Biomedical Engineering, 2022, 69, 2105-2118.	2.5	52
10	Scalp EEG-Based Pain Detection Using Convolutional Neural Network. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 274-285.	2.7	16
11	Using Non-linear Dynamics of EEG Signals to Classify Primary Hand Movement Intent Under Opposite Hand Movement. Frontiers in Neurorobotics, 2022, 16, 845127.	1.6	4
12	Task-Related Component Analysis Combining Paired Character Decoding for Miniature Asymmetric Visual Evoked Potentials. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, PP, 1-1.	2.7	0
13	ME-PLAN: A deep prototypical learning with local attention network for dynamic micro-expression recognition. Neural Networks, 2022, 153, 427-443.	3.3	23
14	A Survey on Explainable Artificial Intelligence (XAI): Toward Medical XAI. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4793-4813.	7.2	702
15	Generative Adversarial Networks-Based Data Augmentation for Brain–Computer Interface. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4039-4051.	7.2	85
16	An Attention-Based Deep Learning Approach for Sleep Stage Classification With Single-Channel EEG. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 809-818.	2.7	225
17	MT-UDA: Towards Unsupervised Cross-modality Medical Image Segmentation with Limited Source Labels. Lecture Notes in Computer Science, 2021, , 293-303.	1.0	18
18	Enhancing EEG-Based Classification of Depression Patients Using Spatial Information. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 566-575.	2.7	52

#	ARTICLE	IF	CITATIONS
19	Brain-Computer Interface for Stroke Rehabilitation. , 2021, , 1-31.		1
20	Task-related brain functional network reconfigurations relate to motor recovery in chronic subcortical stroke. Scientific Reports, 2021, 11, 8442.	1.6	19
21	Adaptive transfer learning for EEG motor imagery classification with deep Convolutional Neural Network. Neural Networks, 2021, 136, 1-10.	3.3	150
22	Neurorehabilitation From a Distance: Can Intelligent Technology Support Decentralized Access to Quality Therapy?. Frontiers in Robotics and AI, 2021, 8, 612415.	2.0	24
23	Decoding Single-Hand and Both-Hand Movement Directions From Noninvasive Neural Signals. IEEE Transactions on Biomedical Engineering, 2021, 68, 1932-1940.	2.5	20
24	Design Considerations for Long Term Non-invasive Brain Computer Interface Training With Tetraplegic CYBATHLON Pilot. Frontiers in Human Neuroscience, 2021, 15, 648275.	1.0	8
25	Brain Functional Changes in Stroke Following Rehabilitation Using Brain-Computer Interface-Assisted Motor Imagery With and Without tDCS: A Pilot Study. Frontiers in Human Neuroscience, 2021, 15, 692304.	1.0	16
26	Time-Series Representation Learning via Temporal and Contextual Contrasting. , 2021, , .		102
27	Focality-Oriented Selection of Current Dose for Transcranial Direct Current Stimulation. Journal of Personalized Medicine, 2021, 11, 940.	1.1	7
28	WiFi-Sleep: Sleep Stage Monitoring Using Commodity Wi-Fi Devices. IEEE Internet of Things Journal, 2021, 8, 13900-13913.	5.5	43
29	fMRI-SI-STBF: An fMRI-informed Bayesian electromagnetic spatio-temporal extended source imaging. Neurocomputing, 2021, 462, 14-30.	3.5	2
30	An end-to-end 3D convolutional neural network for decoding attentive mental state. Neural Networks, 2021, 144, 129-137.	3.3	19
31	DSAL: Deeply Supervised Active Learning From Strong and Weak Labelers for Biomedical Image Segmentation. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3744-3751.	3.9	41
32	Emerging trends in BCI-robotics for motor control and rehabilitation. Current Opinion in Biomedical Engineering, 2021, 20, 100354.	1.8	22
33	Machine Learning Driven Synthesis of Few-Layered WTe ₂ with Geometrical Control. Journal of the American Chemical Society, 2021, 143, 18103-18113.	6.6	30
34	Continuous Emotion Recognition with Audio-visual Leader-follower Attentive Fusion. , 2021, , .		15
35	Brain-computer interface based attention and social cognition training programme for children with ASD and co-occurring ADHD: A feasibility trial. Research in Autism Spectrum Disorders, 2021, 89, 101882.	0.8	7
36	Learning Generalized Representations of EEG between Multiple Cognitive Attention Tasks. , 2021, 2021, 306-310.		2

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37	Performance Evaluation of Compressed Deep CNN for Motor Imagery Classification using EEG. , 2021, 2021, 795-799.		1
38	Assessment of the Efficacy of EEG-Based MI-BCI With Visual Feedback and EEG Correlates of Mental Fatigue for Upper-Limb Stroke Rehabilitation. IEEE Transactions on Biomedical Engineering, 2020, 67, 786-795.	2.5	112
39	Subject-Independent Brain-Computer Interfaces Based on Deep Convolutional Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3839-3852.	7.2	204
40	A Context-Aware Locality Measure for Inlier Pool Enrichment in Stepwise Image Registration. IEEE Transactions on Image Processing, 2020, 29, 4281-4295.	6.0	16
41	A Subject-Transfer Framework Based on Single-Trial EMG Analysis Using Convolutional Neural Networks. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 94-103.	2.7	72
42	TSception:A Deep Learning Framework for Emotion Detection Using EEG. , 2020, , .		27
43	Brain MRI-based 3D Convolutional Neural Networks for Classification of Schizophrenia and Controls. , 2020, 2020, 1742-1745.		21
44	Automatic Identification of High-Risk Autism Spectrum Disorder: A Feasibility Study Using Video and Audio Data Under the Still-Face Paradigm. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2401-2410.	2.7	16
45	Optimizing Filter-bank Canonical Correlation Analysis for fast response SSVEP Brain-Computer Interface (BCI). , 2020, , .		1
46	Effects of Stimulus Spatial Resolution on SSVEP Responses under Overt and Covert Attention. , 2020, 2020, 3019-3022.		1
47	Interpreting mechanisms of prediction for skin cancer diagnosis using multi-task learning. , 2020, , .		9
48	Machine learning-guided synthesis of advanced inorganic materials. Materials Today, 2020, 41, 72-80.	8.3	70
49	Deep Learning for Neuroimaging Segmentation with a Novel Data Augmentation Strategy. , 2020, 2020, 1516-1519.		6
50	A Multi-view CNN with Novel Variance Layer for Motor Imagery Brain Computer Interface. , 2020, 2020, 2950-2953.		35
51	Using Transcranial Direct Current Stimulation to Augment the Effect of Motor Imagery-Assisted Brain-Computer Interface Training in Chronic Stroke Patients- Cortical Reorganization Considerations. Frontiers in Neurology, 2020, 11, 948.	1.1	21
52	Machine-Learning-Driven Synthesis of Carbon Dots with Enhanced Quantum Yields. ACS Nano, 2020, 14, 14761-14768.	7.3	143
53	Federated Transfer Learning for EEG Signal Classification. , 2020, 2020, 3040-3045.		57
54	Minimizing Hybrid Dice Loss for Highly Imbalanced 3D Neuroimage Segmentation. , 2020, 2020, 1059-1062.		4

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55	Generalizability of EEG-based Mental Attention Modeling with Multiple Cognitive Tasks. , 2020, 2020, 2959-2962.		3
56	Emotion Recognition with Refined Labels for Deep Learning. , 2020, 2020, 108-111.		4
57	A Brain-Computer Interface Framework Based on Compressive Sensing and Deep Learning. IEEE Consumer Electronics Magazine, 2020, 9, 90-96.	2.3	17
58	Brain-Computer Interface-Based Soft Robotic Glove Rehabilitation for Stroke. IEEE Transactions on Biomedical Engineering, 2020, 67, 3339-3351.	2.5	74
59	BCI for stroke rehabilitation: motor and beyond. Journal of Neural Engineering, 2020, 17, 041001.	1.8	182
60	Decoding Movement-Related Cortical Potentials Based on Subject-Dependent and Section-Wise Spectral Filtering. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 687-698.	2.7	83
61	BCI Facilitates the Improvement of Cognitive Functions in Children and Elderly. , 2020, , .		2
62	Hand Movement Direction Decoding from EEG Signals under Dual Movement Tasks. , 2020, , .		1
63	Deep Multi-Task Learning for SSVEP Detection and Visual Response Mapping. , 2020, , .		4
64	Improving the Performance of SSVEP BCI with Short Response Time by Temporal Alignments Enhanced CCA. , 2019, , .		1
65	Prognostic and Monitory EEG-Biomarkers for BCI Upper-Limb Stroke Rehabilitation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1654-1664.	2.7	58
66	A Framework on Optimization Strategy for EEG Motor Imagery Recognition. , 2019, 2019, 774-777.		10
67	A VR Combined with MI-BCI Application for Upper Limb Rehabilitation of Stroke. , 2019, , .		10
68	Motor-Controlled Spindle (MCS) Detection for Primate in BCI System. , 2019, , .		0
69	Towards EEG Generation Using GANs for BCI Applications. , 2019, , .		28
70	A randomized controlled trial of a brain-computer interface based attention training program for ADHD. PLoS ONE, 2019, 14, e0216225.	1.1	50
71	Actigraphy studies and clinical and biobehavioural correlates in schizophrenia: a systematic review. Journal of Neural Transmission, 2019, 126, 531-558.	1.4	39
72	A closed-loop, music-based brain-computer interface for emotion mediation. PLoS ONE, 2019, 14, e0213516.	1.1	40

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73	A review on EMG-based motor intention prediction of continuous human upper limb motion for human-robot collaboration. Biomedical Signal Processing and Control, 2019, 51, 113-127.	3.5	236
74	Exploring Cortex Connectivity Signal in Sensory Response to Odors. , 2019, 2019, 1255-1258.		1
75	Three-class Motor Imagery Classification Based on FBCSP Combined with Voting Mechanism. , 2019, , .		6
76	EEG-Based Recognition Method of Intentional and Unintentional Hand Movement. , 2019, , .		2
77	Motor imagery signal classification based on transfer learning. , 2019, , .		1
78	EEG Representation in Deep Convolutional Neural Networks for Classification of Motor Imagery. , 2019, , .		17
79	A Comparative Study of Mental States in 2D and 3D Virtual Environments Using EEG. , 2019, , .		17
80	Large-scale brain functional network topology disruptions underlie symptom heterogeneity in children with attention-deficit/hyperactivity disorder. NeuroImage: Clinical, 2019, 21, 101600.	1.4	61
81	Inter-subject transfer learning with an end-to-end deep convolutional neural network for EEG-based BCI. Journal of Neural Engineering, 2019, 16, 026007.	1.8	153
82	Exposure Therapy With Personalized Real-Time Arousal Detection and Feedback to Alleviate Social Anxiety Symptoms in an Analogue Adult Sample: Pilot Proof-of-Concept Randomized Controlled Trial. JMIR Mental Health, 2019, 6, e13869.	1.7	11
83	EEG Source Imaging of Movement Decoding: The State of the Art and Future Directions. IEEE Systems, Man, and Cybernetics Magazine, 2018, 4, 14-23.	1.2	26
84	Learning Temporal Information for Brain-Computer Interface Using Convolutional Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5619-5629.	7.2	419
85	Robust Nonlinear Causality Analysis of Nonstationary Multivariate Physiological Time Series. IEEE Transactions on Biomedical Engineering, 2018, 65, 1213-1225.	2.5	20
86	EEG predicts the attention level of elderly measured by RBANS. International Journal of Crowd Science, 2018, 2, 272-282.	1.1	8
87	Neural Indexes of Attention Extracted from EEG Correlate with Elderly Reaction Time in response to an Attentional Task. , 2018, , .		1
88	A Study of SSVEP Responses in Case of Overt and Covert Visual Attention with Different View Angles. , 2018, , .		2
89	Differential Amplitude of Low-Frequency Fluctuations in brain networks after BCI Training with and without tDCS in Stroke. , 2018, 2018, 1050-1053.		5
90	Quantitative EEG as Biomarkers for the Monitoring of Post-Stroke Motor Recovery in BCI and tDCS Rehabilitation. , 2018, 2018, 3610-3613.		15

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91	A Single-Trial Event-Related Potential Estimation Based on Independent Component Analysis and Kalman Smoother. , 2018, , .		2
92	Effectiveness of a Personalized Brain-Computer Interface System for Cognitive Training in Healthy Elderly: A Randomized Controlled Trial. Journal of Alzheimer's Disease, 2018, 66, 127-138.	1.2	25
93	Wavlet phase-locking based binary classification of hand movement directions from EEG. Journal of Neural Engineering, 2018, 15, 066008.	1.8	25
94	A Novel Method of Emergency Situation Detection for a Brain-Controlled Vehicle by Combining EEG Signals With Surrounding Information. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1926-1934.	2.7	27
95	Motor imagery-assisted brain-computer interface for gait retraining in neurorehabilitation in chronic stroke. Annals of Physical and Rehabilitation Medicine, 2018, 61, e188.	1.1	16
96	Brain-computer-interface-based intervention re-normalizes brain functional network topology in children with attention deficit/hyperactivity disorder. Translational Psychiatry, 2018, 8, 149.	2.4	53
97	Motor Imagery EEG Recognition Based on FBCSP and PCA. Lecture Notes in Computer Science, 2018, , 195-205.	1.0	4
98	A Study of the Role of Attention in Classifying Covert and Overt Motor Activities. Lecture Notes in Computer Science, 2018, , 151-160.	1.0	0
99	Facilitating motor imagery-based brain-computer interface for stroke patients using passive movement. Neural Computing and Applications, 2017, 28, 3259-3272.	3.2	41
100	Detecting and tracking multiple directional movements in EEG based BCI. , 2017, , .		3
101	A Unified Fisher's Ratio Learning Method for Spatial Filter Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2727-2737.	7.2	14
102	Discriminative Ocular Artifact Correction for Feature Learning in EEG Analysis. IEEE Transactions on Biomedical Engineering, 2017, 64, 1906-1913.	2.5	30
103	EEG source space analysis of the supervised factor analytic approach for the classification of multi-directional arm movement. Journal of Neural Engineering, 2017, 14, 046008.	1.8	19
104	EEG-Based Strategies to Detect Motor Imagery for Control and Rehabilitation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 392-401.	2.7	177
105	A New Variational Method for Bias Correction and Its Applications to Rodent Brain Extraction. IEEE Transactions on Medical Imaging, 2017, 36, 721-733.	5.4	26
106	Brain plasticity following MI-BCI training combined with tDCS in a randomized trial in chronic subcortical stroke subjects: a preliminary study. Scientific Reports, 2017, 7, 9222.	1.6	51
107	Automatic EEG Artifact Removal Techniques by Detecting Influential Independent Components. IEEE Transactions on Emerging Topics in Computational Intelligence, 2017, 1, 270-279.	3.4	34
108	Compressed sensing MRI with total variation and frame balanced regularization. , 2017, , .		3

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109	Personalized features for attention detection in children with Attention Deficit Hyperactivity Disorder. , 2017, 2017, 414-417.		9
110	Boosting performance in brain-machine interface by classifier-level fusion based on accumulative training models from multi-day data. , 2017, 2017, 1922-1925.		4
111	Stop state classification in intracortical brain-machine-interface. , 2017, 2017, 1926-1929.		1
112	A feasibility study of detecting brain signal in EEG during emotional self-regulation. , 2017, , .		2
113	A closed-loop brain-computer music interface for continuous affective interaction. , 2017, , .		9
114	Convolutional neural network-based transfer learning and knowledge distillation using multi-subject data in motor imagery BCI. , 2017, , .		34
115	An accurate sleep staging system with novel feature generation and auto-mapping. , 2017, , .		4
116	Toward EEG-based Olfactory Sensing through Spatial Temporal Subspace Optimization. , 2017, , .		1
117	Use of wavelet transform coefficients for spike detection for a Robust Intracortical Brain Machine Interface. , 2017, , .		2
118	Effects of transcranial direct current stimulation on the motor-imagery brain-computer interface for stroke recovery: An EEG source-space study. , 2017, , .		2
119	A comparison of DTI pre-processing tools on a dataset of chronic subcortical stroke rehabilitation patients. , 2017, , .		0
120	Independent Mobility Achieved through a Wireless Brain-Machine Interface. PLoS ONE, 2016, 11, e0165773.	1.1	30
121	A novel supervised locality sensitive Factor analysis to classify voluntary hand movement in multi direction using EEG source space. , 2016, , .		2
122	High-resolution in vivo Wistar rodent brain atlas based on T1 weighted image. Proceedings of SPIE, 2016, , .	0.8	0
123	Adaptation in motor imagery brain-computer interfaces and its implication in rehabilitation. , 2016, , .		0
124	Prediction and detection of seizures from simultaneous thalamic and scalp electroencephalography recordings. Journal of Neurosurgery, 2016, 126, 2036-2044.	0.9	5
125	Multi-direction hand movement classification using EEG-based source space analysis. , 2016, 2016, 4551-4554.		6
126	Adaptive decoding using local field potentials in a brain-machine interface. , 2016, 2016, 5721-5724.		1

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127	Neural and cortical analysis of swallowing and detection of motor imagery of swallow for dysphagia rehabilitation—A review. <i>Progress in Brain Research</i> , 2016, 228, 185-219.	0.9	17
128	Computational Intelligence for Brain Computer Interface [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , 2016, 11, 18-18.	3.4	2
129	A 16-Channel Nonparametric Spike Detection ASIC Based on EC-PC Decomposition. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2016, 10, 3-17.	2.7	25
130	Multiway analysis of EEG artifacts based on Block Term Decomposition. , 2016, , .		10
131	Real-Time Subject-Independent Pattern Classification of Overt and Covert Movements from fNIRS Signals. <i>PLoS ONE</i> , 2016, 11, e0159959.	1.1	14
132	Spatial filter subspace optimization based on mutual information. , 2015, , .		0
133	A measurement of motor recovery for motor imagery-based BCI using EEG coherence analysis. , 2015, , .		1
134	Shrinkage estimator based regularization for EEG motor imagery classification. , 2015, , .		23
135	Combining firing rate and spike-train synchrony features in the decoding of motor cortical activity. , 2015, 2015, 1091-4.		1
136	A subject-independent pattern-based Brain-Computer Interface. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 269.	1.0	39
137	Electrocorticographic representations of segmental features in continuous speech. <i>Frontiers in Human Neuroscience</i> , 2015, 09, 97.	1.0	72
138	A pilot randomized controlled trial using EEG-based brain–computer interface training for a Chinese-speaking group of healthy elderly. <i>Clinical Interventions in Aging</i> , 2015, 10, 217.	1.3	23
139	Brain"Computer Interface for Neurorehabilitation of Upper Limb After Stroke. <i>Proceedings of the IEEE</i> , 2015, 103, 944-953.	16.4	101
140	An ocular artefacts correction method for discriminative EEG analysis based on logistic regression. , 2015, , .		1
141	Parallel convolutional-linear neural network for motor imagery classification. , 2015, , .		77
142	Frame-based compressive sensing MR image reconstruction with balanced regularization. , 2015, 2015, 7031-4.		1
143	On the use of convolutional neural networks and augmented CSP features for multi-class motor imagery of EEG signals classification. , 2015, 2015, 2620-3.		66
144	EC-PC spike detection for high performance brain-computer interface. , 2015, 2015, 5142-5.		1

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145	On robust extraction of pulse transit time from multimodal pulsatile signals. , 2015, , .		2
146	Fast TVL1-L2 MR image reconstruction using variable splitting and accelerated alternating direction method with adaptive restart. , 2015, , .		1
147	Cortical Source Localization for Analysing Single-Trial Motor Imagery EEG. , 2015, , .		9
148	An analysis on driver drowsiness based on reaction time and EEG band power. , 2015, 2015, 7982-5.		11
149	Combining EPI and motion correction for fMRI human brain images with big motion. , 2015, 2015, 5449-52.		1
150	Reduction in time-to-sleep through EEG based brain state detection and audio stimulation. , 2015, 2015, 8050-3.		6
151	Cluster-Based Analysis for Personalized Stress Evaluation Using Physiological Signals. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 275-281.	3.9	113
152	Facilitating Effects of Transcranial Direct Current Stimulation on Motor Imagery Brain-Computer Interface With Robotic Feedback for Stroke Rehabilitation. Archives of Physical Medicine and Rehabilitation, 2015, 96, S79-S87.	0.5	118
153	Towards improvement of MI-BCI performance of subjects with BCI deficiency. , 2015, , .		8
154	Brain-computer interface and its applications in cognitive training. , 2015, , .		2
155	Neural representations of movement intentions during brain-controlled self-motion. , 2015, , .		5
156	Motor cortical adaptation induced by closed-loop BCI. , 2015, , .		1
157	Can We Play with ADHD? An Alternative Game-Based Treatment for Inattentive Symptoms in Attention-Deficit/Hyperactivity Disorder. Gaming Media and Social Effects, 2015, , 69-86.	0.7	5
158	Adaptive estimation of hand movement trajectory in an EEG based brain-computer interface system. Journal of Neural Engineering, 2015, 12, 066019.	1.8	38
159	Detection of motor imagery of brisk walking from electroencephalogram. Journal of Neuroscience Methods, 2015, 244, 33-44.	1.3	13
160	A Randomized Controlled Trial of EEG-Based Motor Imagery Brain-Computer Interface Robotic Rehabilitation for Stroke. Clinical EEG and Neuroscience, 2015, 46, 310-320.	0.9	389
161	Brain-computer interface-based robotic end effector system for wrist and hand rehabilitation: results of a three-armed randomized controlled trial for chronic stroke. Frontiers in Neuroengineering, 2014, 7, 30.	4.8	252
162	Evaluation of EEG features during overt visual attention during neurofeedback game. , 2014, , .		3

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163	Spatial filter adaptation based on the divergence framework for motor imagery EEG classification. , 2014, 2014, 1847-50.		0
164	Single-trial classification of NIRS data from prefrontal cortex during working memory tasks. , 2014, 2014, 2008-11.		3
165	On the asynchronously continuous control of mobile robot movement by motor cortical spiking activity. , 2014, 2014, 3049-52.		4
166	A BCI speller based on SSVEP using high frequency stimuli design. , 2014, , .		16
167	Automatic sleep onset detection using single EEG sensor. , 2014, 2014, 2265-8.		7
168	Heart rate estimation from FBG sensors using cepstrum analysis and sensor fusion. , 2014, 2014, 5365-8.		12
169	On the robustness of ECâ€PC spike detection method for online neural recording. Journal of Neuroscience Methods, 2014, 235, 316-330.	1.3	11
170	Quality assessment of EEG signals based on statistics of signal fluctuations. , 2014, , .		2
171	Cortical activation of passive hand movement using Haptic Knob: A preliminary multi-channel fNIRS study. , 2014, 2014, 2097-100.		1
172	Selection of effective EEG channels in brain computer interfaces based on inconsistencies of classifiers. , 2014, 2014, 672-5.		3
173	Information processing of optical sensor data in ambient applications. , 2014, , .		0
174	Discriminative channel addition and reduction for filter bank common spatial pattern in motor imagery BCI. , 2014, 2014, 1310-3.		4
175	Detection of variations in cognitive workload using multi-modality physiological sensors and a large margin unbiased regression machine. , 2014, 2014, 2985-8.		15
176	Spatio-temporal variations in hand movement trajectory based brain activation patterns. , 2014, , .		4
177	Mutual information-based optimization of sparse spatio-spectral filters in brainâ€computer interface. Neural Computing and Applications, 2014, 25, 625-634.	3.2	14
178	Detection of motor imagery of swallow EEG signals based on the dual-tree complex wavelet transform and adaptive model selection. Journal of Neural Engineering, 2014, 11, 035016.	1.8	27
179	Spatial filter adaptation based on geodesic-distance for motor EEG classification. , 2014, , .		1
180	Adaptation of motor imagery EEG classification model based on tensor decomposition. Journal of Neural Engineering, 2014, 11, 056020.	1.8	17

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181	Brain-computer interface for neurorehabilitation: Looking beyond upper limbs. , 2014, , .		0
182	The predictive role of pre-cue EEG rhythms on MI-based BCI classification performance. Journal of Neuroscience Methods, 2014, 235, 138-144.	1.3	40
183	Hybrid fNIRS-EEG based classification of auditory and visual perception processes. Frontiers in Neuroscience, 2014, 8, 373.	1.4	98
184	Quantitative Evaluation of Interictal High Frequency Oscillations in Scalp EEGs for Epileptogenic Region Localization. Advances in Intelligent Systems and Computing, 2014, , 419-427.	0.5	0
185	Dynamically weighted ensemble classification for non-stationary EEG processing. Journal of Neural Engineering, 2013, 10, 036007.	1.8	56
186	Discriminative Learning of Propagation and Spatial Pattern for Motor Imagery EEG Analysis. Neural Computation, 2013, 25, 2709-2733.	1.3	11
187	Design of an online EEG based neurofeedback game for enhancing attention and memory. , 2013, 2013, 433-6.		43
188	EEG Data Space Adaptation to Reduce Intersession Nonstationarity in Brain-Computer Interface. Neural Computation, 2013, 25, 2146-2171.	1.3	74
189	Motor imagery BCI for upper limb stroke rehabilitation: An evaluation of the EEG recordings using coherence analysis. , 2013, 2013, 261-4.		26
190	A novel hand strength assessment method integrated into haptic knob for stroke rehabilitation. , 2013, , .		3
191	Quantifying Limb Movements in Epileptic Seizures Through Color-Based Video Analysis. IEEE Transactions on Biomedical Engineering, 2013, 60, 461-469.	2.5	39
192	Feature consistency-based model adaptation in session-to-session classification: A study using motor imagery of swallow EEG signals. , 2013, 2013, 429-32.		2
193	Maximum dependency and minimum redundancy-based channel selection for motor imagery of walking EEG signal detection. , 2013, , .		14
194	Navigation in a virtual environment using multiclass motor imagery Brain-Computer Interface. , 2013, , .		5
195	Enhancement of attention and cognitive skills using EEG based neurofeedback game. , 2013, , .		23
196	A multimodal fNIRS and EEG-based BCI study on motor imagery and passive movement. , 2013, , .		13
197	Joint spatial-temporal filter design for analysis of motor imagery EEG. , 2013, , .		1
198	Common frequency pattern for music preference identification using frontal EEG. , 2013, , .		21

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199	Error entropy based adaptive kernel classification for non-stationary EEG analysis. , 2013, , .		0
200	EEG-Based Classification of Fast and Slow Hand Movements Using Wavelet-CSP Algorithm. IEEE Transactions on Biomedical Engineering, 2013, 60, 2123-2132.	2.5	99
201	Bayesian Learning for Spatial Filtering in an EEG-Based Brain-Computer Interface. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1049-1060.	7.2	57
202	Brain-computer interface for stroke rehabilitation with clinical studies. , 2013, , .		3
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