

Seong-Whan Lee

List of Publications by Year in descending order

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329
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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Uncertainty-Aware Portfolio Management With Risk-Sensitive Multiagent Network. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 362-375.	7.2	1
2	PlausMal-GAN: Plausible Malware Training Based on Generative Adversarial Networks for Analogous Zero-Day Malware Detection. IEEE Transactions on Emerging Topics in Computing, 2023, 11, 82-94.	3.2	7
3	Learning Brain Functional Networks With Latent Temporal Dependency for MCI Identification. IEEE Transactions on Biomedical Engineering, 2022, 69, 590-601.	2.5	5
4	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
5	<i>WeDea</i> A New EEG-Based Framework for Emotion Recognition. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 264-275.	3.9	21
6	Constructing Multi-View High-Order Functional Connectivity Networks for Diagnosis of Autism Spectrum Disorder. IEEE Transactions on Biomedical Engineering, 2022, 69, 1237-1250.	2.5	14
7	NeuroGrasp: Real-Time EEG Classification of High-Level Motor Imagery Tasks Using a Dual-Stage Deep Learning Framework. IEEE Transactions on Cybernetics, 2022, 52, 13279-13292.	6.2	24
8	ENIC: Ensemble and Nature Inclined Classification with Sparse Depiction based Deep and Transfer Learning for Biosignal Classification. Applied Soft Computing Journal, 2022, 117, 108416.	4.1	6
9	Motor Imagery Classification Using Inter-Task Transfer Learning via a Channel-Wise Variational Autoencoder-Based Convolutional Neural Network. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 226-237.	2.7	22
10	Motor Impairment in Stroke Patients Is Associated With Network Properties During Consecutive Motor Imagery. IEEE Transactions on Biomedical Engineering, 2022, 69, 2604-2615.	2.5	5
11	Complete Face Recovery GAN: Unsupervised Joint Face Rotation and De-Occlusion from a Single-View Image. , 2022, , .		23
12	SASDL and RBATQ: Sparse Autoencoder With Swarm Based Deep Learning and Reinforcement Based Q-Learning for EEG Classification. IEEE Open Journal of Engineering in Medicine and Biology, 2022, 3, 58-68.	1.7	10
13	Duration Controllable Voice Conversion via Phoneme-Based Information Bottleneck. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 1173-1183.	4.0	7
14	Quantifying arousal and awareness in altered states of consciousness using interpretable deep learning. Nature Communications, 2022, 13, 1064.	5.8	29
15	Decoding Continual Muscle Movements Related to Complex Hand Grasping from EEG Signals. , 2022, , .		0
16	Interpretable Convolutional Neural Networks for Subject-Independent Motor Imagery Classification. , 2022, , .		4
17	Toward Imagined Speech based Smart Communication System: Potential Applications on Metaverse Conditions. , 2022, , .		8
18	Improved Sparse Representation based Robust Hybrid Feature Extraction Models with Transfer and Deep Learning for EEG Classification. Expert Systems With Applications, 2022, 198, 116783.	4.4	9

#	ARTICLE	IF	CITATIONS
19	Human interaction recognition framework based on interacting body part attention. Pattern Recognition, 2022, 128, 108645.	5.1	12
20	Automatic Cardiac Arrhythmia Classification Using Residual Network Combined With Long Short-Term Memory. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-17.	2.4	6
21	Automatic Approach for EEG-Based Multiple Emotional State Identification. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1508-1518.	3.9	11
22	Cascaded MultiTask 3-D Fully Convolutional Networks for Pancreas Segmentation. IEEE Transactions on Cybernetics, 2021, 51, 2153-2165.	6.2	34
23	Decoding Imagined Speech Based on Deep Metric Learning for Intuitive BCI Communication. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1363-1374.	2.7	17
24	eRAD-Fe: Emotion Recognition-Assisted Deep Learning Framework. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	3
25	Development of a Human-Display Interface with Vibrotactile Feedback for Real-World Assistive Applications. Sensors, 2021, 21, 592.	2.1	7
26	Rotation Invariant Aerial Image Retrieval with Group Convolutional Metric Learning. , 2021, , .		1
27	Functional Connectivity of Imagined Speech and Visual Imagery based on Spectral Dynamics. , 2021, , .		5
28	Design of an EEG-based Drone Swarm Control System using Endogenous BCI Paradigms. , 2021, , .		11
29	Decoding Event-related Potential from Ear-EEG Signals based on Ensemble Convolutional Neural Networks in Ambulatory Environment. , 2021, , .		4
30	Towards Neurohaptics: Brain-Computer Interfaces for Decoding Intuitive Sense of Touch. , 2021, , .		5
31	A Novel Unit-Based Personalized Fingerprint Feature Selection Strategy for Dynamic Functional Connectivity Networks. Frontiers in Neuroscience, 2021, 15, 651574.	1.4	5
32	Adaptive transfer learning for EEG motor imagery classification with deep Convolutional Neural Network. Neural Networks, 2021, 136, 1-10.	3.3	150
33	Leaf-inspired homeostatic cellulose biosensors. Science Advances, 2021, 7, .	4.7	29
34	Self-augmentation: Generalizing deep networks to unseen classes for few-shot learning. Neural Networks, 2021, 138, 140-149.	3.3	23
35	Visual question answering based on local-scene-aware referring expression generation. Neural Networks, 2021, 139, 158-167.	3.3	14
36	Spatial reasoning for few-shot object detection. Pattern Recognition, 2021, 120, 108118.	5.1	16

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37	Decoding Finger Tapping With the Affected Hand in Chronic Stroke Patients During Motor Imagery and Execution. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1099-1109.	2.7	6
38	Subject-Independent Brain-Computer Interface for Decoding High-Level Visual Imagery Tasks. , 2021, , .		6
39	GC-TTS: Few-shot Speaker Adaptation with Geometric Constraints. , 2021, , .		5
40	Mobile BCI dataset of scalp- and ear-EEGs with ERP and SSVEP paradigms while standing, walking, and running. Scientific Data, 2021, 8, 315.	2.4	10
41	Leveraging Coupled Interaction for Multimodal Alzheimer's Disease Diagnosis. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 186-200.	7.2	39
42	Error Correction Regression Framework for Enhancing the Decoding Accuracies of Ear-EEG Brain-Computer Interfaces. IEEE Transactions on Cybernetics, 2020, 50, 3654-3667.	6.2	43
43	Coarse-to-Fine Deep Learning of Continuous Pedestrian Orientation Based on Spatial Co-Occurrence Feature. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2522-2533.	4.7	4
44	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
45	Few-Shot Learning With Geometric Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4660-4672.	7.2	36
46	Classification of pilots' mental states using a multimodal deep learning network. Biocybernetics and Biomedical Engineering, 2020, 40, 324-336.	3.3	41
47	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
48	Prediction of Event Related Potential Speller Performance Using Resting-State EEG. , 2020, 2020, 2973-2976.		2
49	Multimodal signal dataset for 11 intuitive movement tasks from single upper extremity during multiple recording sessions. GigaScience, 2020, 9, .	3.3	35
50	Prediction of Memory Retrieval Performance Using Ear-EEG Signals. , 2020, 2020, 3363-3366.		3
51	Decoding of Grasp Motions from EEG Signals Based on a Novel Data Augmentation Strategy. , 2020, 2020, 3015-3018.		7
52	Frontal EEG Asymmetry of Emotion for the Same Auditory Stimulus. IEEE Access, 2020, 8, 107200-107213.	2.6	27
53	An Integrated Approach for Ovarian Cancer Classification With the Application of Stochastic Optimization. IEEE Access, 2020, 8, 127866-127882.	2.6	17
54	Transformation Based Tri-Level Feature Selection Approach Using Wavelets and Swarm Computing for Prostate Cancer Classification. IEEE Access, 2020, 8, 127462-127476.	2.6	19

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55	Continuous EEG Decoding of Pilots's™ Mental States Using Multiple Feature Block-Based Convolutional Neural Network. IEEE Access, 2020, 8, 121929-121941.	2.6	45
56	SessionNet: Feature Similarity-Based Weighted Ensemble Learning for Motor Imagery Classification. IEEE Access, 2020, 8, 134524-134535.	2.6	15
57	End-to-End Automatic Sleep Stage Classification Using Spectral-Temporal Sleep Features. , 2020, 2020, 3452-3455.		5
58	An adaptive deep reinforcement learning framework enables curling robots with human-like performance in real-world conditions. Science Robotics, 2020, 5, .	9.9	42
59	Uncertainty-Aware Mesh Decoder for High Fidelity 3D Face Reconstruction. , 2020, , .		39
60	Predicting Motor Imagery Performance From Resting-State EEG Using Dynamic Causal Modeling. Frontiers in Human Neuroscience, 2020, 14, 321.	1.0	36
61	Network of evolvable neural units can learn synaptic learning rules and spiking dynamics. Nature Machine Intelligence, 2020, 2, 791-799.	8.3	6
62	A novel online action detection framework from untrimmed video streams. Pattern Recognition, 2020, 106, 107396.	5.1	15
63	Classification of High-Dimensional Motor Imagery Tasks Based on An End-To-End Role Assigned Convolutional Neural Network. , 2020, , .		12
64	Parameter Estimation Using Unscented Kalman Filter on the Gray-Box Model for Dynamic EEG System Modeling. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 6175-6185.	2.4	10
65	Diagnosis of Autism Spectrum Disorder Using Central-Moment Features From Low- and High-Order Dynamic Resting-State Functional Connectivity Networks. Frontiers in Neuroscience, 2020, 14, 258.	1.4	44
66	Towards Brain-Computer Interfaces for Drone Swarm Control. , 2020, , .		18
67	Brain-Controlled Robotic Arm System Based on Multi-Directional CNN-BiLSTM Network Using EEG Signals. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1226-1238.	2.7	177
68	EEG Classification of Forearm Movement Imagery Using a Hierarchical Flow Convolutional Neural Network. IEEE Access, 2020, 8, 66941-66950.	2.6	28
69	Three-stream fusion network for first-person interaction recognition. Pattern Recognition, 2020, 103, 107279.	5.1	3
70	A Framework for Schizophrenia EEG Signal Classification With Nature Inspired Optimization Algorithms. IEEE Access, 2020, 8, 39875-39897.	2.6	40
71	A Two-Stream Symmetric Network with Bidirectional Ensemble for Aerial Image Matching. Remote Sensing, 2020, 12, 465.	1.8	26
72	Coarse-to-Fine Deep Metric Learning for Remote Sensing Image Retrieval. Remote Sensing, 2020, 12, 219.	1.8	14

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73	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
74	Spatio-Temporal Dynamics of Visual Imagery for Intuitive Brain-Computer Interface. , 2020, , .		5
75	Mammographic mass segmentation using multichannel and multiscale fully convolutional networks. International Journal of Imaging Systems and Technology, 2020, 30, 1095-1107.	2.7	12
76	A Novel Approach to Classify Natural Grasp Actions by Estimating Muscle Activity Patterns from EEG Signals. , 2020, , .		10
77	Decoding Movement Imagination and Execution From Eeg Signals Using Bci-Transfer Learning Method Based on Relation Network. , 2020, , .		9
78	Classification of Imagined Speech Using Siamese Neural Network. , 2020, , .		9
79	A Real-Time Movement Artifact Removal Method for Ambulatory Brain-Computer Interfaces. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2660-2670.	2.7	20
80	Neural Decoding of Imagined Speech and Visual Imagery as Intuitive Paradigms for BCI Communication. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2647-2659.	2.7	52
81	Detection of Pilot's Drowsiness Based on Multimodal Convolutional Bidirectional LSTM Network. Lecture Notes in Computer Science, 2020, , 530-543.	1.0	0
82	Prediction of Subsequent Memory Effects Using Convolutional Neural Network. Lecture Notes in Computer Science, 2020, , 251-263.	1.0	2
83	EEG Representations of Spatial and Temporal Features in Imagined Speech and Overt Speech. Lecture Notes in Computer Science, 2020, , 387-400.	1.0	5
84	Assessment of Unconsciousness for Memory Consolidation Using EEG Signals. , 2020, , .		4
85	Decoding of Intuitive Visual Motion Imagery Using Convolutional Neural Network under 3D-BCI Training Environment. , 2020, , .		8
86	Decoding Visual Recognition of Objects from EEG Signals based on Attention-Driven Convolutional Neural Network. , 2020, , .		8
87	Complex Motor Imagery-based Brain-Computer Interface System: A Comparison Between Different Classifiers. , 2020, , .		0
88	Prediction of partially observed human activity based on pre-trained deep representation. Pattern Recognition, 2019, 85, 198-206.	5.1	22
89	Recurrent convolutional neural network model based on temporal and spatial feature for motor imagery classification. , 2019, , .		3
90	Improving the Performance of SSVEP BCI with Short Response Time by Temporal Alignments Enhanced CCA. , 2019, , .		1

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91	The Effect of Neurofeedback Training in Virtual and Real Environments based on BCI. , 2019, , .		2
92	Changes in Fatigue and EEG Amplitude during a Longtime Use of Brain-Computer Interface. , 2019, , .		13
93	Exploring the Number of Repetitions in Trials for the Performance Convergence of Classification in Motor Imagery Task with Hand-Grasping. , 2019, , .		1
94	Alteration of coupling between brain and heart induced by sedation with propofol and midazolam. PLoS ONE, 2019, 14, e0219238.	1.1	6
95	Metaheuristic-Based Dimensionality Reduction and Classification Analysis of PPG Signals for Interpreting Cardiovascular Disease. IEEE Access, 2019, 7, 165181-165206.	2.6	24
96	Graph Theoretical Analysis of Cortical Networks based on Conscious Experience. , 2019, 2019, 3373-3376.		2
97	Block-Extraction and Haar Transform Based Linear Singularity Representation for Image Enhancement. Mathematical Problems in Engineering, 2019, 2019, 1-14.	0.6	0
98	The Effect of a Binaural Beat Combined with Autonomous Sensory Meridian Response Triggers on Brainwave Entrainment. , 2019, , .		2
99	A Comprehensive Analysis of Alcoholic EEG Signals with Detrend Fluctuation Analysis and Post Classifiers. , 2019, , .		9
100	EEG dataset and OpenBMI toolbox for three BCI paradigms: an investigation into BCI illiteracy. GigaScience, 2019, 8, .	3.3	243
101	Connectivity differences between consciousness and unconsciousness in non-rapid eye movement sleep: a TMSâ€“EEG study. Scientific Reports, 2019, 9, 5175.	1.6	64
102	Two-Phase Incremental Kernel PCA for Learning Massive or Online Datasets. Complexity, 2019, 2019, 1-17.	0.9	6
103	Inter-Network High-Order Functional Connectivity (IN-HOFC) and its Alteration in Patients with Mild Cognitive Impairment. Neuroinformatics, 2019, 17, 547-561.	1.5	9
104	Interpreting Undesirable Pixels for Image Classification on Black-Box Models. , 2019, , .		3
105	Trajectory Decoding of Arm Reaching Movement Imageries for Brain-Controlled Robot Arm System. , 2019, 2019, 5544-5547.		23
106	Possible Effect of Binaural Beat Combined With Autonomous Sensory Meridian Response for Inducing Sleep. Frontiers in Human Neuroscience, 2019, 13, 425.	1.0	50
107	Causal Connectivity According to Conscious Experience in Non-Rapid Eye Movement Sleep. , 2019, , .		1
108	Towards an EEG-based Intuitive BCI Communication System Using Imagined Speech and Visual Imagery. , 2019, , .		43

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109	Classification of the Motion Artifacts in Near-infrared Spectroscopy Based on Wavelet Statistical Feature. , 2019, , .		1
110	Classification of Drowsiness Levels Based on a Deep Spatio-Temporal Convolutional Bidirectional LSTM Network Using Electroencephalography Signals. Brain Sciences, 2019, 9, 348.	1.1	44
111	Assistive Robotic Arm Control based on Brain-Machine Interface with Vision Guidance using Convolution Neural Network. , 2019, , .		7
112	A Robust Matching Network for Gradually Estimating Geometric Transformation on Remote Sensing Imagery. , 2019, , .		12
113	EEG Representation in Deep Convolutional Neural Networks for Classification of Motor Imagery. , 2019, , .		17
114	Reduced Burden of Individual Calibration Process in Brain-Computer Interface by Clustering the Subjects based on Brain Activation. , 2019, , .		0
115	Robust detection of event-related potentials in a user-voluntary short-term imagery task. PLoS ONE, 2019, 14, e0226236.	1.1	5
116	Weighted graph regularized sparse brain network construction for MCI identification. Pattern Recognition, 2019, 90, 220-231.	5.1	43
117	Enhancing the representation of functional connectivity networks by fusing multi-view information for autism spectrum disorder diagnosis. Human Brain Mapping, 2019, 40, 833-854.	1.9	47
118	Automatic brain labeling via multi-atlas guided fully convolutional networks. Medical Image Analysis, 2019, 51, 157-168.	7.0	27
119	Oblique aerial image matching based on iterative simulation and homography evaluation. Pattern Recognition, 2019, 87, 317-331.	5.1	11
120	Strength and similarity guided group-level brain functional network construction for MCI diagnosis. Pattern Recognition, 2019, 88, 421-430.	5.1	101
121	Discriminative self-representation sparse regression for neuroimaging-based alzheimer's disease diagnosis. Brain Imaging and Behavior, 2019, 13, 27-40.	1.1	12
122	Conversion and time-to-conversion predictions of mild cognitive impairment using low-rank affinity pursuit denoising and matrix completion. Medical Image Analysis, 2018, 45, 68-82.	7.0	72
123	Spatio-temporal analysis of EEG signal during consciousness using convolutional neural network. , 2018, , .		9
124	Design of a brain-controlled robot arm system based on upper-limb movement imagery. , 2018, , .		10
125	Classification of motor imagery for Ear-EEG based brain-computer interface. , 2018, , .		16
126	Commanding a Brain-Controlled Wheelchair Using Steady-State Somatosensory Evoked Potentials. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 654-665.	2.7	111

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127	A Novel Linelet-Based Representation for Line Segment Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1195-1208.	9.7	55
128	Discriminative context learning with gated recurrent unit for group activity recognition. Pattern Recognition, 2018, 76, 149-161.	5.1	47
129	Robust brain ROI segmentation by deformation regression and deformable shape model. Medical Image Analysis, 2018, 43, 198-213.	7.0	25
130	Motion-Based Rapid Serial Visual Presentation for Gaze-Independent Brain-Computer Interfaces. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 334-343.	2.7	88
131	Classification of Hand Motions within EEG Signals for Non-Invasive BCI-Based Robot Hand Control. , 2018, , .		26
132	Decoding of Multi-directional Reaching Movements for EEG-Based Robot Arm Control. , 2018, , .		15
133	Mental fatigue in central-field and peripheral-field steady-state visually evoked potential and its effects on event-related potential responses. NeuroReport, 2018, 29, 1301-1308.	0.6	16
134	A High Performance Spelling System based on EEG-EOG Signals With Visual Feedback. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1443-1459.	2.7	128
135	Curly: An AI-based Curling Robot Successfully Competing in the Olympic Discipline of Curling. , 2018, , .		6
136	A virtual mouse interface with a two-layered Bayesian network. Multimedia Tools and Applications, 2017, 76, 1615-1638.	2.6	4
137	A novel relational regularization feature selection method for joint regression and classification in AD diagnosis. Medical Image Analysis, 2017, 38, 205-214.	7.0	176
138	Deep ensemble learning of sparse regression models for brain disease diagnosis. Medical Image Analysis, 2017, 37, 101-113.	7.0	226
139	Reduced White Matter Integrity in Antisocial Personality Disorder: A Diffusion Tensor Imaging Study. Scientific Reports, 2017, 7, 43002.	1.6	36
140	A brain-computer interface speller using peripheral stimulus-based SSVEP and P300. , 2017, , .		12
141	Shifting stimuli for brain computer interface based on rapid serial visual presentation. , 2017, , .		2
142	Single-trial analysis of readiness potentials for lower limb exoskeleton control. , 2017, , .		12
143	Time domain EEG analysis for evaluating the effects of driver's mental work load during simulated driving. , 2017, , .		2
144	Classification of midazolam-induced sedation depth based on spatial and spectral analysis. , 2017, , .		0

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145	Classification of left and right foot movement intention based on steady-state somatosensory evoked potentials. , 2017, , .		6
146	FitMine: automatic mining for time-evolving signals of cardiocography monitoring. Data Mining and Knowledge Discovery, 2017, 31, 909-933.	2.4	4
147	A Hierarchical Feature and Sample Selection Framework and Its Application for Alzheimer's Disease Diagnosis. Scientific Reports, 2017, 7, 45269.	1.6	31
148	Individual Identification Using Cognitive Electroencephalographic Neurodynamics. IEEE Transactions on Information Forensics and Security, 2017, 12, 2159-2167.	4.5	26
149	Hierarchical High-Order Functional Connectivity Networks and Selective Feature Fusion for MCI Classification. Neuroinformatics, 2017, 15, 271-284.	1.5	31
150	A Robust Lane Detection Method Based on Vanishing Point Estimation Using the Relevance of Line Segments. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 3254-3266.	4.7	83
151	Multiple functional networks modeling for autism spectrum disorder diagnosis. Human Brain Mapping, 2017, 38, 5804-5821.	1.9	41
152	Change in functional networks for transitions between states of consciousness during midazolam-induced sedation. , 2017, 2017, 958-961.		9
153	Hybrid High-order Functional Connectivity Networks Using Resting-state Functional MRI for Mild Cognitive Impairment Diagnosis. Scientific Reports, 2017, 7, 6530.	1.6	102
154	Network Properties in Transitions of Consciousness during Propofol-induced Sedation. Scientific Reports, 2017, 7, 16791.	1.6	112
155	Compositional interaction descriptor for human interaction recognition. Neurocomputing, 2017, 267, 169-181.	3.5	26
156	Extraction of dynamic functional connectivity from brain grey matter and white matter for MCI classification. Human Brain Mapping, 2017, 38, 5019-5034.	1.9	151
157	Local group relationship analysis for group activity recognition. , 2017, , .		3
158	Detecting Driver's Braking Intention Using Recurrent Convolutional Neural Networks Based EEG Analysis. , 2017, , .		4
159	Spatio-temporal dynamics of multimodal EEG-fNIRS signals in the loss and recovery of consciousness under sedation using midazolam and propofol. PLoS ONE, 2017, 12, e0187743.	1.1	27
160	An Adaptive Convolutional Neural Network Framework for Multi-user Myoelectric Interfaces. , 2017, , .		2
161	A Hierarchical Classification Strategy for Robust Detection of Passive/Active Mental State Using User-Voluntary Pitch Imagery Task. , 2017, , .		1
162	EEG-based Classification of Consciousness during Sedation Using Global Spectra Principal Components. , 2017, , .		0

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163	A convolutional neural network for steady state visual evoked potential classification under ambulatory environment. PLoS ONE, 2017, 12, e0172578.	1.1	214
164	Quantifying movement intentions with multimodal neuroimaging for functional electrical stimulation-based rehabilitation. NeuroReport, 2016, 27, 61-66.	0.6	6
165	Towards an EEG-based intelligent wheelchair driving system with vibro-tactile stimuli. , 2016, , .		11
166	Analysis of steady state visual evoked potentials based on viewing distance changes for brain-machine interface speller. , 2016, , .		5
167	OpenBMI: A real-time data analysis toolbox for Brain-Machine Interfaces. , 2016, , .		4
168	Effect of higher frequency on the classification of steady-state visual evoked potentials. Journal of Neural Engineering, 2016, 13, 016014.	1.8	110
169	Development of an open source platform for brain-machine interface: openBMI. , 2016, , .		16
170	Design of an asynchronous brain-computer interface for control of a virtual Avatar. , 2016, , .		8
171	Neurodrawing: neurofeedback for enhancing attention by drawing. , 2016, , .		1
172	Steady-state visual evoked potential based brain-computer interface with viewing distance changes. , 2016, , .		0
173	Movement intention decoding based on deep learning for multiuser myoelectric interfaces. , 2016, , .		92
174	Reduced cortical thickness and increased surface area in antisocial personality disorder. Neuroscience, 2016, 337, 143-152.	1.1	25
175	Bayesian test for hazard ratio in survival analysis. SpringerPlus, 2016, 5, 649.	1.2	1
176	Parameter pattern discovery in nonlinear dynamic model for EEGs analysis. Journal of Integrative Neuroscience, 2016, 15, 381-402.	0.8	2
177	A High-Security EEG-Based Login System with RSVP Stimuli and Dry Electrodes. IEEE Transactions on Information Forensics and Security, 2016, 11, 2635-2647.	4.5	131
178	State-space model with deep learning for functional dynamics estimation in resting-state fMRI. NeuroImage, 2016, 129, 292-307.	2.1	242
179	Selective temporal filtering and its application to hand gesture recognition. Applied Intelligence, 2016, 45, 255-264.	3.3	6
180	Canonical feature selection for joint regression and multi-class identification in Alzheimer's disease diagnosis. Brain Imaging and Behavior, 2016, 10, 818-828.	1.1	85

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181	Deep sparse multi-task learning for feature selection in Alzheimer's disease diagnosis. <i>Brain Structure and Function</i> , 2016, 221, 2569-2587.	1.2	124
182	Subspace Regularized Sparse Multitask Learning for Multiclass Neurodegenerative Disease Identification. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 607-618.	2.5	181
183	Analysis of Time-Dependent Brain Network on Active and MI Tasks for Chronic Stroke Patients. <i>PLoS ONE</i> , 2015, 10, e0139441.	1.1	3
184	Detection of Braking Intention during Simulated Driving Based on EEG Analysis: Online Study. , 2015, , .		4
185	Wheelchair Control Based on Steady-State Somatosensory Evoked Potentials. , 2015, , .		7
186	Combined regression and classification approach for prediction of driver's braking intention. , 2015, , .		2
187	Human gesture recognition using a simplified dynamic Bayesian network. <i>Multimedia Systems</i> , 2015, 21, 557-568.	3.0	13
188	Motion Influence Map for Unusual Human Activity Detection and Localization in Crowded Scenes. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2015, 25, 1612-1623.	5.6	57
189	Towards a smart TV control system based on steady-state visual evoked potential. , 2015, , .		1
190	Group Activity Recognition with Group Interaction Zone Based on Relative Distance Between Human Objects. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2015, 29, 1555007.	0.7	24
191	Subject-dependent classification for robust idle state detection using multi-modal neuroimaging and data-fusion techniques in BCI. <i>Pattern Recognition</i> , 2015, 48, 2725-2737.	5.1	102
192	Intention analysis based on brain signal for participation induction during rehabilitation. , 2015, , .		1
193	Detection of braking intention in diverse situations during simulated driving based on EEG feature combination. <i>Journal of Neural Engineering</i> , 2015, 12, 016001.	1.8	109
194	Volumetric spatial feature representation for view-invariant human action recognition using a depth camera. <i>Optical Engineering</i> , 2015, 54, 033102.	0.5	8
195	Abstract Representations of Associated Emotions in the Human Brain. <i>Journal of Neuroscience</i> , 2015, 35, 5655-5663.	1.7	36
196	Classifying directions in continuous arm movement from EEG signals. , 2015, , .		9
197	A Hybrid of Deep Network and Hidden Markov Model for MCI Identification with Resting-State fMRI. <i>Lecture Notes in Computer Science</i> , 2015, 9349, 573-580.	1.0	11
198	Decoding Three-Dimensional Trajectory of Executed and Imagined Arm Movements From Electroencephalogram Signals. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2015, 23, 867-876.	2.7	119

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