

Li-Wei Ko

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,454
citations

361045

20
h-index

344852

36
g-index

56
all docs

56
docs citations

56
times ranked

1662
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of an Adaptive Artifact Subspace Reconstruction Based on Hebbian/Anti-Hebbian Learning Networks for Enhancing BCI Performance. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 348-361.	7.2	8
2	Neurological state changes indicative of ADHD in children learned via EEG-based LSTM networks. Journal of Neural Engineering, 2022, 19, 016021.	1.8	11
3	Atypical functional connectivity during rest and task-related dynamic alteration in young children with attention deficit hyperactivity disorder: An analysis using the phase-locking value. Psychiatry and Clinical Neurosciences, 2022, 76, 235-245.	1.0	7
4	Incremental Validity of Multi-Method and Multi-Informant Evaluations in the Clinical Diagnosis of Preschool ADHD. Journal of Attention Disorders, 2022, 26, 1293-1303.	1.5	6
5	Task-Rate-Related Neural Dynamics Using Wireless EEG to Assist Diagnosis and Intervention Planning for Preschoolers with ADHD Exhibiting Heterogeneous Cognitive Proficiency. Journal of Personalized Medicine, 2022, 12, 731.	1.1	3
6	Neural Dynamics for Facilitating ADHD Diagnosis in Preschoolers: Central and Parietal Delta Synchronization in the Kiddie Continuous Performance Test. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1524-1533.	2.7	12
7	SSVEP-assisted RSVP brain-computer interface paradigm for multi-target classification. Journal of Neural Engineering, 2021, 18, 016021.	1.8	10
8	Flexible graphene/GO electrode for gel-free EEG. Journal of Neural Engineering, 2021, 18, 046060.	1.8	12
9	Neural Dynamics of Target Detection via Wireless EEG in Embodied Cognition. Sensors, 2021, 21, 5213.	2.1	15
10	Integrated Gait Triggered Mixed Reality and Neurophysiological Monitoring as a Framework for Next-Generation Ambulatory Stroke Rehabilitation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 2435-2444.	2.7	8
11	Classifying Motor Preparation and Execution of the Left and the Right Lower Limb Using Brain Network Features. , 2021, , .		1
12	Multi-Parameter Physiological State Monitoring in Target Detection Under Real-World Settings. Frontiers in Human Neuroscience, 2021, 15, 785562.	1.0	1
13	Nonparametric Supervised Learning for Enhancing BCI Performance. , 2021, , .		0
14	Immediate Plasticity of Parietal-Frontocentral Functional Connections in Music-Reality based Post-Stroke Rehabilitation. , 2021, 2021, 5828-5831.		3
15	Extraction of SSVEPs-Based Inherent Fuzzy Entropy Using a Wearable Headband EEG in Migraine Patients. IEEE Transactions on Fuzzy Systems, 2020, 28, 14-27.	6.5	86
16	Global Neural Activities Changes under Human Inhibitory Control Using Translational Scenario. Brain Sciences, 2020, 10, 640.	1.1	2
17	Prediction of Human Inhibition Brain Function with Inter-Subject and Intra-Subject Variability. Brain Sciences, 2020, 10, 726.	1.1	7
18	Noisy Galvanic Vestibular Stimulation (Stochastic Resonance) Changes Electroencephalography Activities and Postural Control in Patients with Bilateral Vestibular Hypofunction. Brain Sciences, 2020, 10, 740.	1.1	17

#	ARTICLE	IF	CITATIONS
19	Intralobular and Interlobular Parietal Functional Network Correlated to MI-BCI Performance. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2671-2680.	2.7	13
20	Eyeblink recognition improves fatigue prediction from single-channel forehead EEG in a realistic sustained attention task. Journal of Neural Engineering, 2020, 17, 036015.	1.8	36
21	Global Cortical Network Distinguishes Motor Imagination of the Left and Right Foot. IEEE Access, 2020, 8, 103734-103745.	2.6	19
22	Exploration of User's Mental State Changes during Performing Brain-Computer Interface. Sensors, 2020, 20, 3169.	2.1	27
23	Exploration of Brain Connectivity during Human Inhibitory Control Using Inter-Trial Coherence. Sensors, 2020, 20, 1722.	2.1	9
24	Stress-Induced Effects in Resting EEG Spectra Predict the Performance of SSVEP-Based BCI. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1771-1780.	2.7	24
25	Associations Among Emotional State, Sleep Quality, and Resting-State EEG Spectra: A Longitudinal Study in Graduate Students. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 795-804.	2.7	11
26	Enhancing the Hybrid BCI Performance With the Common Frequency Pattern in Dual-Channel EEG. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1360-1369.	2.7	19
27	Neural Activities Classification of Human Inhibitory Control Using Hierarchical Model. Sensors, 2019, 19, 3791.	2.1	26
28	Modulation of the Visual to Auditory Human Inhibitory Brain Network: An EEG Dipole Source Localization Study. Brain Sciences, 2019, 9, 216.	1.1	19
29	EEG analysis of mixed-reality music rehabilitation system for post-stroke lower limb therapy. Journal of the Society for Information Display, 2019, 27, 372-380.	0.8	10
30	Development of a Smart Helmet for Strategic BCI Applications. Sensors, 2019, 19, 1867.	2.1	27
31	Classification of Brain Activities under Response Inhibition using Functional Connectivity. , 2019, , .		1
32	Multimodal Fuzzy Fusion for Enhancing the Motor-Imagery-Based Brain Computer Interface. IEEE Computational Intelligence Magazine, 2019, 14, 96-106.	3.4	57
33	A Wireless Multifunctional SSVEP-Based Brain-Computer Interface Assistive System. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 375-383.	2.6	29
34	Novel Moisture Retention Sponge Electrodes for Developing a Wireless EEG SSVEP-based BCI System. , 2018, , .		4
35	Monetary Reward and Punishment to Response Inhibition Modulate Activation and Synchronization Within the Inhibitory Brain Network. Frontiers in Human Neuroscience, 2018, 12, 27.	1.0	21
36	Sustained Attention in Real Classroom Settings: An EEG Study. Frontiers in Human Neuroscience, 2017, 11, 388.	1.0	131

#	ARTICLE	IF	CITATIONS
37	Development of Single-Channel Hybrid BCI System Using Motor Imagery and SSVEP. Journal of Healthcare Engineering, 2017, 2017, 1-7.	1.1	35
38	Neural Mechanisms of Inhibitory Response in a Battlefield Scenario: A Simultaneous fMRI-EEG Study. Frontiers in Human Neuroscience, 2016, 10, 185.	1.0	23
39	Neural Oscillations in Temporoparietal Lobes under Inhibitory Control in a Naturalistic Situation. , 2016, , .		1
40	A Visual Attention Monitor Based on Steady-State Visual Evoked Potential. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 399-408.	2.7	22
41	Classification of EEG-P300 signals using phase locking value and pattern recognition classifiers. , 2015, , .		2
42	An EEG-based perceptual function integration network for application to drowsy driving. Knowledge-Based Systems, 2015, 80, 143-152.	4.0	72
43	Knowledge-based identification of sleep stages based on two forehead electroencephalogram channels. Frontiers in Neuroscience, 2014, 8, 263.	1.4	63
44	Developing an EEG-based on-line closed-loop lapse detection and mitigation system. Frontiers in Neuroscience, 2014, 8, 321.	1.4	31
45	Independent Component Ensemble of EEG for Brain-Computer Interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2014, 22, 230-238.	2.7	55
46	A Novel 16-Channel Wireless System for Electroencephalography Measurements With Dry Spring-Loaded Sensors. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 1545-1555.	2.4	56
47	Wireless and Wearable EEG System for Evaluating Driver Vigilance. IEEE Transactions on Biomedical Circuits and Systems, 2014, 8, 165-176.	2.7	173
48	A hierarchical classification system for sleep stage scoring via forehead EEG signals. , 2013, , .		27
49	Can arousing feedback rectify lapses in driving? Prediction from EEG power spectra. Journal of Neural Engineering, 2013, 10, 056024.	1.8	33
50	Development of adaptive QRS detection rules based on center differentiation method for clinical application. , 2012, , .		1
51	Genetic feature selection in EEG-based motion sickness estimation. , 2011, , .		7
52	An Intelligent Telecardiology System Using a Wearable and Wireless ECG to Detect Atrial Fibrillation. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 726-733.	3.6	135
53	EEG-Based Spatial Navigation Estimation in a Virtual Reality Driving Environment. , 2009, , .		8
54	Nonparametric Single-Trial EEG Feature Extraction and Classification of Driver's Cognitive Responses. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.0	18

#	ARTICLE	IF	CITATIONS
55	Course-Grained Multi-scale EMD Based Fuzzy Entropy for Multi-target Classification During Simultaneous SSVEP-RSVP Hybrid BCI Paradigm. International Journal of Fuzzy Systems, 0, , 1.	2.3	0