

# Wei-Kuang Liang

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,172  
citations

471371

17  
h-index

414303

32  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1344  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unleashing Potential: Transcranial Direct Current Stimulation over the Right Posterior Parietal Cortex Improves Change Detection in Low-Performing Individuals. <i>Journal of Neuroscience</i> , 2012, 32, 10554-10561.	1.7	241
2	Transcranial direct current stimulation over right posterior parietal cortex changes prestimulus alpha oscillation in visual short-term memory task. <i>NeuroImage</i> , 2014, 98, 306-313.	2.1	107
3	On Holo-Hilbert spectral analysis: a full informational spectral representation for nonlinear and non-stationary data. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150206.	1.6	75
4	Revealing the brain's adaptability and the transcranial direct current stimulation facilitating effect in inhibitory control by multiscale entropy. <i>NeuroImage</i> , 2014, 90, 218-234.	2.1	74
5	Right temporoparietal junction and attentional reorienting. <i>Human Brain Mapping</i> , 2013, 34, 869-877.	1.9	62
6	The critical role of phase difference in gamma oscillation within the temporoparietal network for binding visual working memory. <i>Scientific Reports</i> , 2016, 6, 32138.	1.6	61
7	Unraveling nonlinear electrophysiologic processes in the human visual system with full dimension spectral analysis. <i>Scientific Reports</i> , 2019, 9, 16919.	1.6	42
8	Better Cognitive Performance Is Associated With the Combination of High Trait Mindfulness and Low Trait Anxiety. <i>Frontiers in Psychology</i> , 2018, 9, 627.	1.1	33
9	Modulation of brain oscillations during fundamental visuo-spatial processing: A comparison between female collegiate badminton players and sedentary controls. <i>Psychology of Sport and Exercise</i> , 2015, 16, 121-129.	1.1	31
10	Frontoparietal Beta Amplitude Modulation and its Interareal Cross-frequency Coupling in Visual Working Memory. <i>Neuroscience</i> , 2021, 460, 69-87.	1.1	28
11	The association of physical activity to neural adaptability during visuo-spatial processing in healthy elderly adults: A multiscale entropy analysis. <i>Brain and Cognition</i> , 2014, 92, 73-83.	0.8	27
12	An improved method for measuring mismatch negativity using ensemble empirical mode decomposition. <i>Journal of Neuroscience Methods</i> , 2016, 264, 78-85.	1.3	27
13	The Location Probability Effects of Saccade Reaction Times Are Modulated in the Frontal Eye Fields but Not in the Supplementary Eye Field. <i>Cerebral Cortex</i> , 2011, 21, 1416-1425.	1.6	26
14	Dissociated stimulus and response conflict effect in the Stroop task: Evidence from evoked brain potentials and brain oscillations. <i>Biological Psychology</i> , 2015, 104, 130-138.	1.1	26
15	Aerobic exercise modulates transfer and brain signal complexity following cognitive training. <i>Biological Psychology</i> , 2019, 144, 85-98.	1.1	26
16	The Neural Development of Response Inhibition in 5- and 6-Year-Old Preschoolers: An ERP and EEG Study. <i>Developmental Neuropsychology</i> , 2013, 38, 301-316.	1.0	25
17	Within-cycle instantaneous frequency profiles report oscillatory waveform dynamics. <i>Journal of Neurophysiology</i> , 2021, 126, 1190-1208.	0.9	24
18	Low delta and high alpha power are associated with better conflict control and working memory in high mindfulness, low anxiety individuals. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 645-655.	1.5	23

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19	The role of superior temporal sulcus in the control of irrelevant emotional face processing: A transcranial direct current stimulation study. <i>Neuropsychologia</i> , 2014, 64, 124-133.	0.7	22
20	The relationship between aerobic fitness and neural oscillations during visuo-spatial attention in young adults. <i>Experimental Brain Research</i> , 2015, 233, 1069-1078.	0.7	18
21	Neurophysiological signatures of hand motor response to dual-transcranial direct current stimulation in subacute stroke: a TMS and MEG study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 72.	2.4	18
22	Comment on "Repeated measurements in stochastic mechanics". <i>Physical Review D</i> , 1993, 48, 1875-1877.	1.6	14
23	Frontal midline theta as a neurophysiological correlate for deficits of attentional orienting in children with developmental coordination disorder. <i>Psychophysiology</i> , 2015, 52, 801-812.	1.2	12
24	Revealing the Electrophysiological Correlates of Working Memory-Load Effects in Symmetry Span Task With HHT Method. <i>Frontiers in Psychology</i> , 2019, 10, 855.	1.1	12
25	The dorsal attentional system in oculomotor learning of predictive information. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 404.	1.0	11
26	Neural correlates of cognitive processing capacity in elite soccer players. <i>Biological Psychology</i> , 2020, 157, 107971.	1.1	11
27	Theta Oscillation Reveals the Temporal Involvement of Different Attentional Networks in Contingent Reorienting. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 264.	1.0	10
28	Revealing the Dynamic Nature of Amplitude Modulated Neural Entrainment With Holo-Hilbert Spectral Analysis. <i>Frontiers in Neuroscience</i> , 2021, 15, 673369.	1.4	10
29	Differential Modulation of Brain Signal Variability During Cognitive Control in Athletes with Different Domains of Expertise. <i>Neuroscience</i> , 2020, 425, 267-279.	1.1	9
30	Indices of association between anxiety and mindfulness: a guide for future mindfulness studies. <i>Personality Neuroscience</i> , 2019, 2, e9.	1.3	8
31	Electrophysiological and behavioral evidence reveals the effects of trait anxiety on contingent attentional capture. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2017, 17, 973-983.	1.0	6
32	Human visual steady-state responses to amplitude-modulated flicker: Latency measurement. <i>Journal of Vision</i> , 2019, 19, 14.	0.1	6
33	Evaluating the Different Stages of Parkinson's Disease Using Electroencephalography With Holo-Hilbert Spectral Analysis. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, .	1.7	6
34	Time-frequency analysis of pupil size modulated by global luminance, arousal, and saccade preparation signals using Hilbert-Huang transform. <i>International Journal of Psychophysiology</i> , 2022, 176, 89-99.	0.5	5
35	Critical role of rhythms in prefrontal transcranial magnetic stimulation for depression: A randomized sham-controlled study. <i>Human Brain Mapping</i> , 2022, 43, 1535-1547.	1.9	5
36	Meditation Effects on the Control of Involuntary Contingent Reorienting Revealed With Electroencephalographic and Behavioral Evidence. <i>Frontiers in Integrative Neuroscience</i> , 2018, 12, 17.	1.0	4

#	ARTICLE	IF	CITATIONS
37	To Go or Not to Go: Degrees of Dynamic Inhibitory Control Revealed by the Function of Grip Force and Early Electrophysiological Indices. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 614978.	1.0	4
38	Event-related components are structurally represented by intrinsic event-related potentials. <i>Scientific Reports</i> , 2021, 11, 5670.	1.6	4
39	Modulation of motor control in saccadic behaviors by TMS over the posterior parietal cortex. <i>Journal of Neurophysiology</i> , 2012, 108, 741-752.	0.9	3
40	Dynamical EEG Indices of Progressive Motor Inhibition and Error-Monitoring. <i>Brain Sciences</i> , 2021, 11, 478.	1.1	3
41	Source reconstruction of brain electromagnetic fields " Source iteration of minimum norm (SIMN). <i>NeuroImage</i> , 2009, 47, 1301-1311.	2.1	2
42	Dynamical Change of Signal Complexity in the Brain During Inhibitory Control Processes. <i>Entropy</i> , 2015, 17, 6834-6853.	1.1	2
43	Changes When the Brain Is Stimulated by Current. <i>Journal of Neuroscience and Neuroengineering</i> , 2013, 2, 382-386.	0.2	1