

# 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  | 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         |
| 2  | 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         |
| 3  | 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         |
| 4  | 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         |
| 5  | Event-related components are structurally represented by intrinsic event-related potentials. <i>Scientific Reports</i> , 2021, 11, 5670.  | 1.6 | 4         |
| 6  | Dynamical EEG Indices of Progressive Motor Inhibition and Error-Monitoring. <i>Brain Sciences</i> , 2021, 11, 478.  | 1.1 | 3         |
| 7  | Frontoparietal Beta Amplitude Modulation and its Interareal Cross-frequency Coupling in Visual Working Memory. <i>Neuroscience</i> , 2021, 460, 69-87.  | 1.1 | 28        |
| 8  | 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        |
| 9  | Within-cycle instantaneous frequency profiles report oscillatory waveform dynamics. <i>Journal of Neurophysiology</i> , 2021, 126, 1190-1208.   | 0.9 | 24        |
| 10 | 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         |
| 11 | Neural correlates of cognitive processing capacity in elite soccer players. <i>Biological Psychology</i> , 2020, 157, 107971.   | 1.1 | 11        |
| 12 | 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        |
| 13 | Unraveling nonlinear electrophysiologic processes in the human visual system with full dimension spectral analysis. <i>Scientific Reports</i> , 2019, 9, 16919.   | 1.6 | 42        |
| 14 | 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        |
| 15 | 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        |
| 16 | Aerobic exercise modulates transfer and brain signal complexity following cognitive training. <i>Biological Psychology</i> , 2019, 144, 85-98.  | 1.1 | 26        |
| 17 | Indices of association between anxiety and mindfulness: a guide for future mindfulness studies. <i>Personality Neuroscience</i> , 2019, 2, e9.  | 1.3 | 8         |
| 18 | Human visual steady-state responses to amplitude-modulated flicker: Latency measurement. <i>Journal of Vision</i> , 2019, 19, 14.   | 0.1 | 6         |

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|----|--|-----|-----------|
| 19 | 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        |
| 20 | 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         |
| 21 | 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         |
| 22 | 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        |
| 23 | 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        |
| 24 | 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        |
| 25 | 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        |
| 26 | Dynamical Change of Signal Complexity in the Brain During Inhibitory Control Processes. <i>Entropy</i> , 2015, 17, 6834-6853.  | 1.1 | 2         |
| 27 | 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        |
| 28 | 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        |
| 29 | 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        |
| 30 | 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        |
| 31 | 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        |
| 32 | 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        |
| 33 | 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        |
| 34 | 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       |
| 35 | Right temporoparietal junction and attentional reorienting. <i>Human Brain Mapping</i> , 2013, 34, 869-877.  | 1.9 | 62        |
| 36 | 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        |

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|----|---|-----|-----------|
| 37 | The dorsal attentional system in oculomotor learning of predictive information. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 404.  | 1.0 | 11        |
| 38 | Changes When the Brain Is Stimulated by Current. <i>Journal of Neuroscience and Neuroengineering</i> , 2013, 2, 382-386.  | 0.2 | 1         |
| 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 | 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       |
| 41 | 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        |
| 42 | Source reconstruction of brain electromagnetic fields " Source iteration of minimum norm (SIMN). <i>NeuroImage</i> , 2009, 47, 1301-1311.   | 2.1 | 2         |
| 43 | Comment on "Repeated measurements in stochastic mechanics". <i>Physical Review D</i> , 1993, 48, 1875-1877.   | 1.6 | 14        |