Shih-Chun Kao

List of Publications by Year
in descending order

34	977	471061 17	476904 29
papers	citations	h-index	g-index

35	35	35	1014
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparison of the acute effects of highâ€intensity interval training and continuous aerobic walking on inhibitory control. Psychophysiology, 2017, 54, 1335-1345.	1.2	104
2	Physical Activity Increases White Matter Microstructure in Children. Frontiers in Neuroscience, 2018, 12, 950.	1.4	78
3	Aerobic fitness is associated with greater hippocampal cerebral blood flow in children. Developmental Cognitive Neuroscience, 2016, 20, 52-58.	1.9	72
4	Muscular and Aerobic Fitness, Working Memory, and Academic Achievement in Children. Medicine and Science in Sports and Exercise, 2017, 49, 500-508.	0.2	66
5	A systematic review of physical activity and cardiorespiratory fitness on P3b. Psychophysiology, 2020, 57, e13425.	1.2	62
6	The acute effects of high-intensity interval training and moderate-intensity continuous exercise on declarative memory and inhibitory control. Psychology of Sport and Exercise, 2018, 38, 90-99.	1.1	50
7	Systematic review of the acute and chronic effects of high-intensity interval training on executive function across the lifespan. Journal of Sports Sciences, 2021, 39, 10-22.	1.0	46
8	Frontal Midline Theta Is a Specific Indicator of Optimal Attentional Engagement During Skilled Putting Performance. Journal of Sport and Exercise Psychology, 2013, 35, 470-478.	0.7	41
9	Effects of acute aerobic and resistance exercise on executive function: An ERP study. Journal of Science and Medicine in Sport, 2019, 22, 1367-1372.	0.6	41
10	Differences in Sustained Attention Capacity as a Function of Aerobic Fitness. Medicine and Science in Sports and Exercise, 2016, 48, 887-895.	0.2	38
11	The Effect of Acute High-Intensity Interval Training on Executive Function: A Systematic Review. International Journal of Environmental Research and Public Health, 2021, 18, 3593.	1.2	35
12	Neurofeedback Training Reduces Frontal Midline Theta and Improves Putting Performance in Expert Golfers. Journal of Applied Sport Psychology, 2014, 26, 271-286.	1.4	32
13	The Associations between Adiposity, Cognitive Function, and Achievement in Children. Medicine and Science in Sports and Exercise, 2018, 50, 1868-1874.	0.2	29
14	A Large-Scale Reanalysis of Childhood Fitness and Inhibitory Control. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 2018, 2, 170-192.	0.8	27
15	Effects of the FITKids physical activity randomized controlled trial on conflict monitoring in youth. Psychophysiology, 2018, 55, e13017.	1.2	26
16	Scholastic performance and functional connectivity of brain networks in children. PLoS ONE, 2018, 13, e0190073.	1.1	26
17	Acute effects of aerobic exercise on response variability and neuroelectric indices during a serial n-back task. Brain and Cognition, 2020, 138, 105508.	0.8	25
18	Moving fast, thinking fast: The relations of physical activity levels and bouts to neuroelectric indices of inhibitory control in preadolescents. Journal of Sport and Health Science, 2019, 8, 301-314.	3.3	22

#	Article	IF	Citations
19	Brain Network Modularity Predicts Improvements in Cognitive and Scholastic Performance in Children Involved in a Physical Activity Intervention. Frontiers in Human Neuroscience, 2020, 14, 346.	1.0	20
20	From the Lab to the Field: Potential Applications of Dry EEG Systems to Understand the Brain-Behavior Relationship in Sports. Frontiers in Neuroscience, 2019, 13, 893.	1.4	19
21	Effects of Exercise Modes on Neural Processing of Working Memory in Late Middle-Aged Adults: An fMRI Study. Frontiers in Aging Neuroscience, 2019, 11, 224.	1.7	19
22	Acute effects of highly intense interval and moderate continuous exercise on the modulation of neural oscillation during working memory. International Journal of Psychophysiology, 2021, 160, 10-17.	0.5	19
23	Aerobic Fitness Is Associated With Cognitive Control Strategy in Preadolescent Children. Journal of Motor Behavior, 2017, 49, 150-162.	0.5	17
24	Acute effects of aerobic exercise on conflict suppression, response inhibition, and processing efficiency underlying inhibitory control processes: An <scp>ERP</scp> and <scp>SFT</scp> study. Psychophysiology, 2022, 59, e14032.	1.2	15
25	The association between aerobic fitness and congruency sequence effects in preadolescent children. Brain and Cognition, 2017, 113, 85-92.	0.8	9
26	Brain network modularity predicts changes in cortical thickness in children involved in a physical activity intervention. Psychophysiology, 2021, 58, e13890.	1.2	9
27	Greater childhood cardiorespiratory fitness is associated with better topâ€down cognitive control: A midfrontal theta oscillation study. Psychophysiology, 2020, 57, e13678.	1.2	8
28	Combined and Isolated Effects of Acute Exercise and Brain Stimulation on Executive Function in Healthy Young Adults. Journal of Clinical Medicine, 2020, 9, 1410.	1.0	8
29	Muscular fitness, motor competence, and processing speed in preschool children. European Journal of Developmental Psychology, 2020, 17, 415-431.	1.0	6
30	The role of BMI on cognition following acute physical activity in preadolescent children. Trends in Neuroscience and Education, 2020, 21, 100143.	1.5	3
31	Cardiorespiratory fitness is associated with sustained neurocognitive function during a prolonged inhibitory control task in young adults: An <scp>ERP</scp> study. Psychophysiology, 2022, 59, e14086.	1.2	3
32	Effects of the FITKids Randomized Controlled Trial on Cognitive Control and Conflict Monitoring in Children. Medicine and Science in Sports and Exercise, 2017, 49, 308.	0.2	1
33	The relationship of muscular endurance and coordination and dexterity with behavioral and neuroelectric indices of attention in preschool children. Scientific Reports, 2022, 12, 7059.	1.6	1
34	Cardiorespiratory And Muscular Fitness Is Related To Working Memory And Mathematics In Preadolescent Children. Medicine and Science in Sports and Exercise, 2016, 48, 1047-1048.	0.2	0