

Yu-Kai Chang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3676697/yu-kai-chang-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

117
papers

4,185
citations

32
h-index

61
g-index

132
ext. papers

5,339
ext. citations

3.8
avg. IF

5.87
L-index

#	Paper	IF	Citations
117	Structural equation model of psychological constructs of transtheoretical model, motives for physical activity, and amount of physical activity among people with type 2 diabetes mellitus in Malaysia.. <i>PLoS ONE</i> , 2022 , 17, e0266104	3.7	
116	Cardiorespiratory fitness is associated with sustained neurocognitive function during a prolonged inhibitory control task in young adults: An ERP study.. <i>Psychophysiology</i> , 2022 , e14086	4.1	0
115	Staying Active under Restrictions: Changes in Type of Physical Exercise during the Initial COVID-19 Lockdown. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	2
114	The Effect of Acute High-Intensity Interval Training on Executive Function: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	8
113	Up-regulation of proactive control is associated with beneficial effects of a childhood gymnastics program on response preparation and working memory. <i>Brain and Cognition</i> , 2021 , 149, 105695	2.7	4
112	Affective Responses during High-Intensity Interval Exercise Compared with Moderate-Intensity Continuous Exercise in Inactive Women. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	2
111	Effects of Chinese Mind-Body Exercises on Executive Function in Middle-Aged and Older Adults: A Systematic Review and Meta-Analysis. <i>Frontiers in Psychology</i> , 2021 , 12, 656141	3.4	5
110	The Effects of Mindfulness-Based Intervention on Shooting Performance and Cognitive Functions in Archers. <i>Frontiers in Psychology</i> , 2021 , 12, 661961	3.4	
109	Resting Theta/Beta Ratios Mediate the Relationship Between Motor Competence and Inhibition in Children With Attention Deficit/Hyperactivity Disorder. <i>Frontiers in Psychology</i> , 2021 , 12, 649154	3.4	
108	Reply to: Comment on: "Effects of Exercise Training Interventions on Executive Function in Older Adults: A Systematic Review and Meta-Analysis". <i>Sports Medicine</i> , 2021 , 51, 597-598	10.6	0
107	Systematic review of the acute and chronic effects of high-intensity interval training on executive function across the lifespan. <i>Journal of Sports Sciences</i> , 2021 , 39, 10-22	3.6	14
106	Effects of Parental Education on Screen Time, Sleep Disturbances, and Psychosocial Adaptation Among Asian Preschoolers: A Randomized Controlled Study. <i>Journal of Pediatric Nursing</i> , 2021 , 56, e27-e34	2.2	3
105	Effects of Brain Breaks Video Intervention of Decisional Balance among Malaysians with Type 2 Diabetes Mellitus: A Randomised Controlled Trial. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	1
104	Chronic Exercise and Cognitive Function 2020 , 795-814		1
103	Cardiorespiratory Fitness, Age, and Multiple Aspects of Executive Function Among Preadolescent Children. <i>Frontiers in Psychology</i> , 2020 , 11, 1198	3.4	6
102	Acute coordinative exercise ameliorates general and food-cue related cognitive function in obese adolescents. <i>Journal of Sports Sciences</i> , 2020 , 38, 953-960	3.6	2
101	Acute High-Intensity Interval Exercise Improves Inhibitory Control Among Young Adult Males With Obesity. <i>Frontiers in Psychology</i> , 2020 , 11, 1291	3.4	4

100	The association between physical fitness parameters and white matter microstructure in older adults: A diffusion tensor imaging study. <i>Psychophysiology</i> , 2020 , 57, e13539	4.1	4
99	Brain Functional Specialization Is Enhanced Among Tai Chi Chuan Practitioners. <i>Archives of Physical Medicine and Rehabilitation</i> , 2020 , 101, 1176-1182	2.8	11
98	The Effect of Exercise Training on Brain Structure and Function in Older Adults: A Systematic Review Based on Evidence from Randomized Control Trials. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	17
97	Effects of Exercise Training Interventions on Executive Function in Older Adults: A Systematic Review and Meta-Analysis. <i>Sports Medicine</i> , 2020 , 50, 1451-1467	10.6	42
96	Exercise Behavior and Mood during the COVID-19 Pandemic in Taiwan: Lessons for the Future. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	12
95	Acute Aerobic Exercise Ameliorates Cravings and Inhibitory Control in Heroin Addicts: Evidence From Event-Related Potentials and Frequency Bands. <i>Frontiers in Psychology</i> , 2020 , 11, 561590	3.4	3
94	Mindfulness Training Enhances Endurance Performance and Executive Functions in Athletes: An Event-Related Potential Study. <i>Neural Plasticity</i> , 2020 , 2020, 8213710	3.3	5
93	A systematic review of physical activity and cardiorespiratory fitness on P3b. <i>Psychophysiology</i> , 2020 , 57, e13425	4.1	23
92	Conducting exercise trials for obese adolescents within the effectiveness setting: A response with commentary to Ejima et al. (2019). <i>Psychology of Sport and Exercise</i> , 2020 , 46, 101605	4.2	1
91	Effects of Brain Breaks Videos on the Motives for the Physical Activity of Malaysians with Type-2 Diabetes Mellitus. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	5
90	Integrity of the Prefronto-striato-thalamo-prefrontal Loop Predicts Tai Chi Chuan Training Effects on Cognitive Task-switching in Middle-aged and Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 602191	5.3	0
89	Effects of acute aerobic and resistance exercise on executive function: An ERP study. <i>Journal of Science and Medicine in Sport</i> , 2019 , 22, 1367-1372	4.4	15
88	Effects of Acute Exercise Duration on the Inhibition Aspect of Executive Function in Late Middle-Aged Adults. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 227	5.3	13
87	How the 2018 US Physical Activity Guidelines are a Call to Promote and Better Understand Acute Physical Activity for Cognitive Function Gains. <i>Sports Medicine</i> , 2019 , 49, 1625-1627	10.6	8
86	Effects of Exercise Modes on Neural Processing of Working Memory in Late Middle-Aged Adults: An fMRI Study. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 224	5.3	7
85	Experts' successful psychomotor performance was characterized by effective switch of motor and attentional control. <i>Psychology of Sport and Exercise</i> , 2019 , 43, 374-379	4.2	6
84	Effects of physical activity interventions on cognitive and academic performance in children and adolescents: a novel combination of a systematic review and recommendations from an expert panel. <i>British Journal of Sports Medicine</i> , 2019 , 53, 640-647	10.3	176
83	The effects of negative air ions on cognitive function: an event-related potential (ERP) study. <i>International Journal of Biometeorology</i> , 2019 , 63, 1309-1317	3.7	6

82	Sleep quality mediates the relationship between work-family conflicts and the self-perceived health status among hospital nurses. <i>Journal of Nursing Management</i> , 2019 , 27, 381-387	4.9	17
81	Health-related physical fitness, academic achievement, and neuroelectric measures in children and adolescents. <i>International Journal of Sport and Exercise Psychology</i> , 2019 , 17, 117-132	2.5	19
80	Influence of internet addiction on executive function and learning attention in Taiwanese school-aged children. <i>Perspectives in Psychiatric Care</i> , 2018 , 54, 495-500	2.2	7
79	A randomized controlled trial of coordination exercise on cognitive function in obese adolescents. <i>Psychology of Sport and Exercise</i> , 2018 , 34, 29-38	4.2	14
78	Acute Physical Activity Enhances Executive Functions in Children with ADHD. <i>Scientific Reports</i> , 2018 , 8, 12382	4.9	33
77	Effects of Acute Exercise on Resting EEG in Children with Attention-Deficit/Hyperactivity Disorder. <i>Child Psychiatry and Human Development</i> , 2018 , 49, 993-1002	3.3	12
76	Differences in working memory as a function of physical activity in children. <i>Neuropsychology</i> , 2018 , 32, 797-808	3.8	10
75	Acute Exercise Facilitates the N450 Inhibition Marker and P3 Attention Marker during Stroop Test in Young and Older Adults. <i>Journal of Clinical Medicine</i> , 2018 , 7,	5.1	23
74	Task-Switching Performance Improvements After Tai Chi Chuan Training Are Associated With Greater Prefrontal Activation in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 280	5.3	29
73	Dose-Response Relationship between Exercise Duration and Executive Function in Older Adults. <i>Journal of Clinical Medicine</i> , 2018 , 7,	5.1	17
72	Relationship between mode of sport training and general cognitive performance. <i>Journal of Sport and Health Science</i> , 2017 , 6, 89-95	8.2	36
71	The relationship between physical fitness and inhibitory ability in children with attention deficit hyperactivity disorder: An event-related potential study. <i>Psychology of Sport and Exercise</i> , 2017 , 31, 149-157	4.2	8
70	Aerobic exercise training ameliorates craving and inhibitory control in methamphetamine dependencies: A randomized controlled trial and event-related potential study. <i>Psychology of Sport and Exercise</i> , 2017 , 30, 82-90	4.2	24
69	Effects of Yoga on Heart Rate Variability and Depressive Symptoms in Women: A Randomized Controlled Trial. <i>Journal of Alternative and Complementary Medicine</i> , 2017 , 23, 310-316	2.4	30
68	Acute Exercise and Neurocognitive Development in Preadolescents and Young Adults: An ERP Study. <i>Neural Plasticity</i> , 2017 , 2017, 2631909	3.3	15
67	Exercise Modality Is Differentially Associated with Neurocognition in Older Adults. <i>Neural Plasticity</i> , 2017 , 2017, 3480413	3.3	9
66	Sports training enhances visuo-spatial cognition regardless of open-closed typology. <i>PeerJ</i> , 2017 , 5, e3336	3.6	17
65	Exercise and dietary program-induced weight reduction is associated with cognitive function among obese adolescents: a longitudinal study. <i>PeerJ</i> , 2017 , 5, e3286	3.1	7

64	Effects of Childhood Gymnastics Program on Spatial Working Memory. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 2537-2547	1.2	22
63	Acute exercise has a general facilitative effect on cognitive function: A combined ERP temporal dynamics and BDNF study. <i>Psychophysiology</i> , 2017 , 54, 289-300	4.1	41
62	Combined Effects of Physical Activity and Obesity on Cognitive Function: Independent, Overlapping, Moderator, and Mediator Models. <i>Sports Medicine</i> , 2017 , 47, 449-468	10.6	29
61	Effects of Physical Activity Intervention on Motor Proficiency and Physical Fitness in Children With ADHD: An Exploratory Study. <i>Journal of Attention Disorders</i> , 2017 , 21, 783-795	3.7	21
60	A Preliminary Examination of Aerobic Exercise Effects on Resting EEG in Children With ADHD. <i>Journal of Attention Disorders</i> , 2017 , 21, 898-903	3.7	12
59	The effects of acute resistance exercise on young and older males' working memory. <i>Psychology of Sport and Exercise</i> , 2016 , 22, 286-293	4.2	27
58	Interaction of athletes' resilience and coaches' social support on the stress-burnout relationship: A conjunctive moderation perspective. <i>Psychology of Sport and Exercise</i> , 2016 , 22, 202-209	4.2	44
57	Neurophysiological and behavioral correlates of cognitive control during low and moderate intensity exercise. <i>NeuroImage</i> , 2016 , 131, 171-80	7.9	36
56	Acute Resistance Exercise Facilitates Attention Control in Adult Males without an Age-Moderating Effect. <i>Journal of Sport and Exercise Psychology</i> , 2016 , 38, 247-254	1.5	8
55	Effects of a physical activity intervention on autonomic and executive functions in obese young adolescents: A randomized controlled trial. <i>Health Psychology</i> , 2016 , 35, 1120-5	5	15
54	Tai Chi Chuan modulates heart rate variability during abdominal breathing in elderly adults. <i>PsyCh Journal</i> , 2016 , 5, 69-77	1.4	15
53	Dose-response relationships between exercise intensity, cravings, and inhibitory control in methamphetamine dependence: An ERPs study. <i>Drug and Alcohol Dependence</i> , 2016 , 161, 331-9	4.9	55
52	Effect of Autonomy Support on Self-Determined Motivation in Elementary Physical Education. <i>Journal of Sports Science and Medicine</i> , 2016 , 15, 460-466	2.7	20
51	Obesity, Cardiovascular Fitness, and Inhibition Function: An Electrophysiological Study. <i>Frontiers in Psychology</i> , 2016 , 7, 1124	3.4	15
50	Cardiorespiratory Fitness Is Associated with Executive Control in Late-Middle-Aged Adults: An Event-Related (De) Synchronization (ERD/ERS) Study. <i>Frontiers in Psychology</i> , 2016 , 7, 1135	3.4	13
49	Neuroelectric and Behavioral Effects of Acute Exercise on Task Switching in Children with Attention-Deficit/Hyperactivity Disorder. <i>Frontiers in Psychology</i> , 2016 , 7, 1589	3.4	27
48	A 3-month intervention of Dance Dance Revolution improves interference control in elderly females: a preliminary investigation. <i>Experimental Brain Research</i> , 2015 , 233, 1181-8	2.3	29
47	Structural differences in basal ganglia of elite running versus martial arts athletes: a diffusion tensor imaging study. <i>Experimental Brain Research</i> , 2015 , 233, 2239-48	2.3	8

46	Acute exercise ameliorates craving and inhibitory deficits in methamphetamine: An ERP study. <i>Physiology and Behavior</i> , 2015 , 147, 38-46	3.5	55
45	Effects of acute aerobic exercise on motor response inhibition: An ERP study using the stop-signal task. <i>Journal of Sport and Health Science</i> , 2015 , 4, 73-81	8.2	28
44	Effects of Yoga on Heart Rate Variability and Mood in Women: A Randomized Controlled Trial. <i>Journal of Alternative and Complementary Medicine</i> , 2015 , 21, 789-95	2.4	13
43	Expert-novice differences in SMR activity during dart throwing. <i>Biological Psychology</i> , 2015 , 110, 212-8	3.2	34
42	Effect of acute exercise and cardiovascular fitness on cognitive function: an event-related cortical desynchronization study. <i>Psychophysiology</i> , 2015 , 52, 342-51	4.1	53
41	Exercise and fitness modulate cognitive function in older adults. <i>Psychology and Aging</i> , 2015 , 30, 842-8	3.6	23
40	Sensorimotor Rhythm Neurofeedback Enhances Golf Putting Performance. <i>Journal of Sport and Exercise Psychology</i> , 2015 , 37, 626-36	1.5	32
39	Evaluation of microvasculature at the auditory midbrain--the benefits of sectioning at a tangential angle. <i>Microscopy Research and Technique</i> , 2015 , 78, 105-10	2.8	
38	Antecedent acute cycling exercise affects attention control: an ERP study using attention network test. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 156	3.3	38
37	Dose-response relation between exercise duration and cognition. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 159-65	1.2	76
36	Acute exercise is associated with specific executive functions in college students with ADHD: A preliminary study. <i>Journal of Sport and Health Science</i> , 2015 , 4, 89-96	8.2	23
35	Effects of acute aerobic exercise on response preparation in a Go/No Go Task in children with ADHD: An ERP study. <i>Journal of Sport and Health Science</i> , 2015 , 4, 82-88	8.2	28
34	Failure to identify an acute exercise effect on executive function assessed by the Wisconsin Card Sorting Test. <i>Journal of Sport and Health Science</i> , 2015 , 4, 64-72	8.2	15
33	Self-talk and softball performance: The role of self-talk nature, motor task characteristics, and self-efficacy in novice softball players. <i>Psychology of Sport and Exercise</i> , 2014 , 15, 139-145	4.2	17
32	Type of physical exercise and inhibitory function in older adults: An event-related potential study. <i>Psychology of Sport and Exercise</i> , 2014 , 15, 205-211	4.2	25
31	Effect of acute aerobic exercise on cognitive performance: Role of cardiovascular fitness. <i>Psychology of Sport and Exercise</i> , 2014 , 15, 464-470	4.2	57
30	Effects of acute resistance exercise on cognition in late middle-aged adults: general or specific cognitive improvement?. <i>Journal of Science and Medicine in Sport</i> , 2014 , 17, 51-5	4.4	87
29	Effects of cardiorespiratory fitness enhancement on deficits in visuospatial working memory in children with developmental coordination disorder: a cognitive electrophysiological study. <i>Archives of Clinical Neuropsychology</i> , 2014 , 29, 173-85	2.7	24

28	Effects of acute aerobic exercise on multiple aspects of executive function in preadolescent children. <i>Psychology of Sport and Exercise</i> , 2014 , 15, 627-636	4.2	70
27	Response. <i>Experimental Brain Research</i> , 2014 , 232, 2047-8	2.3	
26	Tai Ji Quan, the brain, and cognition in older adults. <i>Journal of Sport and Health Science</i> , 2014 , 3, 36-42	8.2	26
25	Acute aerobic exercise increases cortical activity during working memory: a functional MRI study in female college students. <i>PLoS ONE</i> , 2014 , 9, e99222	3.7	69
24	The benefits of endurance exercise and Tai Chi Chuan for the task-switching aspect of executive function in older adults: an ERP study. <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 295	5.3	41
23	Effects of an aquatic exercise program on inhibitory control in children with ADHD: a preliminary study. <i>Archives of Clinical Neuropsychology</i> , 2014 , 29, 217-23	2.7	66
22	The impacts of coordinative exercise on executive function in kindergarten children: an ERP study. <i>Experimental Brain Research</i> , 2013 , 225, 187-96	2.3	113
21	The immediate and sustained effects of acute exercise on planning aspect of executive function. <i>Psychology of Sport and Exercise</i> , 2013 , 14, 728-736	4.2	30
20	Exercise mode and executive function in older adults: an ERP study of task-switching. <i>Brain and Cognition</i> , 2013 , 83, 153-62	2.7	57
19	Physical activity and working memory in healthy older adults: an ERP study. <i>Psychophysiology</i> , 2013 , 50, 1174-82	4.1	46
18	Executive function during acute exercise: the role of exercise intensity. <i>Journal of Sport and Exercise Psychology</i> , 2013 , 35, 358-67	1.5	29
17	Motor ability and inhibitory processes in children with ADHD: a neuroelectric study. <i>Journal of Sport and Exercise Psychology</i> , 2013 , 35, 322-8	1.5	21
16	The effects of acute exercise on cognitive performance: a meta-analysis. <i>Brain Research</i> , 2012 , 1453, 87-101	3.7	952
15	The neurophysiological performance of visuospatial working memory in children with developmental coordination disorder. <i>Developmental Medicine and Child Neurology</i> , 2012 , 54, 1114-20	3.3	34
14	Effect of acute exercise on executive function in children with attention deficit hyperactivity disorder. <i>Archives of Clinical Neuropsychology</i> , 2012 , 27, 225-37	2.7	128
13	Mental toughness in sport: a review and prospect. <i>International Journal of Sport and Exercise Psychology</i> , 2012 , 10, 79-92	2.5	24
12	Effects of acute resistance exercise on late-middle-age adults' goal planning. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 1773-9	1.2	32
11	Effects of acute exercise on executive function: a study with a Tower of London Task. <i>Journal of Sport and Exercise Psychology</i> , 2011 , 33, 847-65	1.5	69

10	Dose-response effect of acute resistance exercise on Tower of London in middle-aged adults. <i>Journal of Sport and Exercise Psychology</i> , 2011 , 33, 866-83	1.5	29
9	Quality of Life Assessment for Physical Activity and Health Promotion. <i>Applied Research in Quality of Life</i> , 2011 , 6, 181-200	2.3	24
8	Deficits of visuospatial attention with reflexive orienting induced by eye-gazed cues in children with developmental coordination disorder in the lower extremities: an event-related potential study. <i>Research in Developmental Disabilities</i> , 2010 , 31, 642-55	2.7	17
7	The immediate and delayed effects of an acute bout of exercise on cognitive performance of healthy older adults. <i>Journal of Aging and Physical Activity</i> , 2010 , 18, 87-98	1.6	76
6	A Muscle's Functional Role Influences the Effect of Eccentric Exercise on Arm Movement Kinematics. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 404	1.2	
5	Effects of an acute bout of localized resistance exercise on cognitive performance in middle-aged adults: A randomized controlled trial study. <i>Psychology of Sport and Exercise</i> , 2009 , 10, 19-24	4.2	71
4	Exploring the relationship between exercise-induced arousal and cognition using fractionated response time. <i>Research Quarterly for Exercise and Sport</i> , 2009 , 80, 78-86	1.9	20
3	The effect of physical activity on executive function: a brief commentary on definitions, measurement issues, and the current state of the literature. <i>Journal of Sport and Exercise Psychology</i> , 2009 , 31, 469-83	1.5	175
2	Exploring the dose-response relationship between resistance exercise intensity and cognitive function. <i>Journal of Sport and Exercise Psychology</i> , 2009 , 31, 640-56	1.5	118
1	Effects of a Group-Based Aerobic Exercise Program on the Cognitive Functions and Emotions of Substance Use Disorder Patients: a Randomized Controlled Trial. <i>International Journal of Mental Health and Addiction</i> , 1	8.8	1