

# Charles H Hillman

## List of Publications by Year in Descending Order

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

289  
papers

17,267  
citations

65  
h-index

126  
g-index

301  
ext. papers

20,494  
ext. citations

3.8  
avg, IF

6.93  
L-index

#	Paper	IF	Citations
289	Resting state functional connectivity provides mechanistic predictions of future changes in sedentary behavior.. <i>Scientific Reports</i> , <b>2022</b> , 12, 940	4.9	0
288	Does sleep-disordered breathing add to impairments in academic performance and brain structure usually observed in children with overweight/obesity?. <i>European Journal of Pediatrics</i> , <b>2022</b> , 1	4.1	0
287	Interrelationships between exercise, functional connectivity, and cognition among healthy adults: A systematic review.. <i>Psychophysiology</i> , <b>2022</b> , e14014	4.1	1
286	Effects of Classroom-Based Resistance Training With and Without Cognitive Training on Adolescents' Cognitive Function, On-task Behavior, and Muscular Fitness.. <i>Frontiers in Psychology</i> , <b>2022</b> , 13, 811534	3.4	1
285	Prospective associations between physical fitness and executive function in adolescents: The UP&DOWN study. <i>Psychology of Sport and Exercise</i> , <b>2022</b> , 102203	4.2	0
284	Effects of a single bout of moderate-to-vigorous physical activity on executive functions in children with attention-deficit/hyperactivity disorder: A systematic review and meta-analysis. <i>Psychology of Sport and Exercise</i> , <b>2021</b> , 58, 102097	4.2	0
283	Relationships between enriching early life experiences and cognitive function later in life are mediated by educational attainment.. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , <b>2021</b> , 5, 449-458	2.4	3
282	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> , <b>2021</b> , 149, 105695	2.7	4
281	Single Nucleotide Polymorphisms in CD36 Are Associated with Macular Pigment among Children. <i>Journal of Nutrition</i> , <b>2021</b> , 151, 2533-2540	4.1	0
280	Effect of a Scalable School-Based Intervention on Cardiorespiratory Fitness in Children: A Cluster Randomized Clinical Trial. <i>JAMA Pediatrics</i> , <b>2021</b> , 175, 680-688	8.3	2
279	Estimating the financial costs associated with a phase III, multi-site exercise intervention trial: Investigating Gains in Neurocognition in an Intervention Trial of Exercise (IGNITE). <i>Contemporary Clinical Trials</i> , <b>2021</b> , 105, 106401	2.3	0
278	Brain network modularity predicts changes in cortical thickness in children involved in a physical activity intervention. <i>Psychophysiology</i> , <b>2021</b> , 58, e13890	4.1	2
277	The Daily Activity Study of Health (DASH): A pilot randomized controlled trial to enhance physical activity in sedentary older adults. <i>Contemporary Clinical Trials</i> , <b>2021</b> , 106, 106405	2.3	0
276	Temporal vision is related to cognitive function in preadolescent children. <i>Applied Neuropsychology: Child</i> , <b>2021</b> , 10, 319-326	1.4	1
275	Effect of a Time-Efficient Physical Activity Intervention on Senior School Students' On-Task Behaviour and Subjective Vitality: the Burn 2 Learn' Cluster Randomised Controlled Trial. <i>Educational Psychology Review</i> , <b>2021</b> , 33, 299-323	7.1	9
274	Comparison of Inhibitory Control After Acute Bouts of Exergaming Between Children with Obesity and Their Normal-Weight Peers. <i>Games for Health Journal</i> , <b>2021</b> , 10, 63-71	4.2	0
273	Associations of sleep with gray matter volume and their implications for academic achievement, executive function and intelligence in children with overweight/obesity. <i>Pediatric Obesity</i> , <b>2021</b> , 16, e12707	4.6	3

272	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> , <b>2021</b> , 39, 10-22	3.6	14
271	Activity-rest circadian pattern and academic achievement, executive function, and intelligence in children with obesity. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2021</b> , 31, 653-664	4.6	2
270	Physical fitness, hippocampal functional connectivity and academic performance in children with overweight/obesity: The ActiveBrains project. <i>Brain, Behavior, and Immunity</i> , <b>2021</b> , 91, 284-295	16.6	8
269	Physical fitness and brain source localization during a working memory task in children with overweight/obesity: The ActiveBrains project. <i>Developmental Science</i> , <b>2021</b> , 24, e13048	4.5	1
268	Acute effects of highly intense interval and moderate continuous exercise on the modulation of neural oscillation during working memory. <i>International Journal of Psychophysiology</i> , <b>2021</b> , 160, 10-17	2.9	4
267	The differential relationship of an afterschool physical activity intervention on brain function and cognition in children with obesity and their normal weight peers. <i>Pediatric Obesity</i> , <b>2021</b> , 16, e12708	4.6	4
266	Longitudinal associations of physical fitness and body mass index with academic performance. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2021</b> , 31, 184-192	4.6	4
265	Cardiorespiratory and muscular fitness associations with older adolescent cognitive control. <i>Journal of Sport and Health Science</i> , <b>2021</b> , 10, 82-90	8.2	5
264	Does Additional Physical Education Improve Exam Performance at the End of Compulsory Education? A Secondary Analysis from a Natural Experiment: The CHAMPS-Study DK. <i>Children</i> , <b>2021</b> , 8,	2.8	1
263	Sympathetic Nervous System and Exercise Affects Cognition in Youth (SNEACY): study protocol for a randomized crossover trial. <i>Trials</i> , <b>2021</b> , 22, 154	2.8	0
262	The Indirect Role of Executive Functions on the Relationship between Cardiorespiratory Fitness and School Grades. <i>Medicine and Science in Sports and Exercise</i> , <b>2021</b> , 53, 1656-1665	1.2	1
261	Enriching activities during childhood are associated with variations in functional connectivity patterns later in life. <i>Neurobiology of Aging</i> , <b>2021</b> , 104, 92-101	5.6	2
260	Physical activity and sleep: An updated umbrella review of the 2018 Physical Activity Guidelines Advisory Committee report. <i>Sleep Medicine Reviews</i> , <b>2021</b> , 58, 101489	10.2	14
259	How physical activity, fitness, and motor skills contribute to math performance: Working memory as a mediating factor. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2021</b> , 31, 2310-2321	4.6	1
258	The effects of acute aerobic exercise on executive function: A systematic review and meta-analysis of individual participant data. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2021</b> , 128, 258-269	9	8
257	Acute exercise effects on inhibitory control and the pupillary response in young adults. <i>International Journal of Psychophysiology</i> , <b>2021</b> , 170, 218-228	2.9	0
256	Hydration Biomarkers Are Related to the Differential Abundance of Fecal Microbiota and Plasma Lipopolysaccharide-Binding Protein in Adults.. <i>Annals of Nutrition and Metabolism</i> , <b>2021</b> , 77 Suppl 4, 37-45	4.5	0
255	Process Evaluation of a School-Based High-Intensity Interval Training Program for Older Adolescents: The Burn 2 Learn Cluster Randomised Controlled Trial. <i>Children</i> , <b>2020</b> , 7,	2.8	6

254	The role of BMI on cognition following acute physical activity in preadolescent children. <i>Trends in Neuroscience and Education</i> , <b>2020</b> , 21, 100143	3.7	1
253	Combined and Isolated Effects of Acute Exercise and Brain Stimulation on Executive Function in Healthy Young Adults. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	5
252	Baseline Cognitive Performance Moderates the Effects of Physical Activity on Executive Functions in Children. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	11
251	Fitness, physical activity and academic achievement in overweight/obese children. <i>Journal of Sports Sciences</i> , <b>2020</b> , 38, 731-740	3.6	16
250	Aerobic fitness and academic achievement: A systematic review and meta-analysis. <i>Journal of Sports Sciences</i> , <b>2020</b> , 38, 582-589	3.6	24
249	Body mass and cardiorespiratory fitness are associated with altered brain metabolism. <i>Metabolic Brain Disease</i> , <b>2020</b> , 35, 999-1007	3.9	1
248	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> , <b>2020</b> , 9,	5.1	17
247	Fitness, physical activity, sedentary time, inhibitory control, and neuroelectric activity in children with overweight or obesity: The ActiveBrains project. <i>Psychophysiology</i> , <b>2020</b> , 57, e13579	4.1	14
246	Differences in Brain Volume between Metabolically Healthy and Unhealthy Overweight and Obese Children: The Role of Fitness. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	5
245	Association of Sedentary Behavior with Brain Structure and Intelligence in Children with Overweight or Obesity: The ActiveBrains Project. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	7
244	Time-efficient intervention to improve older adolescents' cardiorespiratory fitness: findings from the 'Burn 2 Learn' cluster randomised controlled trial. <i>British Journal of Sports Medicine</i> , <b>2020</b> ,	10.3	12
243	A Review of the Effects of Physical Activity on Cognition and Brain Health across Children and Adolescence. <i>Nestle Nutrition Institute Workshop Series</i> , <b>2020</b> , 95, 116-126	1.9	5
242	Online preschool teacher training to promote physical activity in young children: A pilot cluster randomized controlled trial. <i>School Psychology</i> , <b>2020</b> , 35, 118-127	2	4
241	Individual differences in the neurobiology of fluid intelligence predict responsiveness to training: Evidence from a comprehensive cognitive, mindfulness meditation, and aerobic exercise intervention. <i>Trends in Neuroscience and Education</i> , <b>2020</b> , 18, 100123	3.7	6
240	Walking effects on memory in children: Implications for individual differences in BMI. <i>Mental Health and Physical Activity</i> , <b>2020</b> , 18, 100317	5	2
239	Acute effects of aerobic exercise on response variability and neuroelectric indices during a serial n-back task. <i>Brain and Cognition</i> , <b>2020</b> , 138, 105508	2.7	7
238	Skeletal Effects of Nine Months of Physical Activity in Obese and Healthy Weight Children. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 434-440	1.2	4
237	Adiposity is related to neuroelectric indices of motor response preparation in preadolescent children. <i>International Journal of Psychophysiology</i> , <b>2020</b> , 147, 176-183	2.9	2

236	Physical Activity, Sedentary Behavior, and White Matter Microstructure in Children with Overweight or Obesity. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 1218-1226	1.2	5
235	Brain Network Modularity Predicts Improvements in Cognitive and Scholastic Performance in Children Involved in a Physical Activity Intervention. <i>Frontiers in Human Neuroscience</i> , <b>2020</b> , 14, 346	3.3	7
234	The IGNITE trial: Participant recruitment lessons prior to SARS-CoV-2. <i>Contemporary Clinical Trials Communications</i> , <b>2020</b> , 20, 100666	1.8	3
233	A systematic review of physical activity and quality of life and well-being. <i>Translational Behavioral Medicine</i> , <b>2020</b> , 10, 1098-1109	3.2	33
232	Feasibility of test administration and preliminary findings for cognitive control in the Burn 2 learn pilot randomised controlled trial. <i>Journal of Sports Sciences</i> , <b>2020</b> , 38, 1708-1716	3.6	3
231	The effects of acute aerobic exercise on inhibitory control and resting state heart rate variability in children with ADHD. <i>Scientific Reports</i> , <b>2020</b> , 10, 19958	4.9	5
230	Dose-Response Effects of Acute Aerobic Exercise Duration on Cognitive Function in Patients With Breast Cancer: A Randomized Crossover Trial. <i>Frontiers in Psychology</i> , <b>2020</b> , 11, 1500	3.4	2
229	Resting-State Functional Connectivity and Scholastic Performance in Preadolescent Children: A Data-Driven Multivoxel Pattern Analysis (MVPA). <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	1
228	Standard-space atlas of the viscoelastic properties of the human brain. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 5282-5300	5.9	15
227	Review of High-Intensity Interval Training for Cognitive and Mental Health in Youth. <i>Medicine and Science in Sports and Exercise</i> , <b>2020</b> , 52, 2224-2234	1.2	30
226	Greater childhood cardiorespiratory fitness is associated with better top-down cognitive control: A midfrontal theta oscillation study. <i>Psychophysiology</i> , <b>2020</b> , 57, e13678	4.1	1
225	Oposing associations between sedentary time and decision-making competence in young adults revealed by functional connectivity in the dorsal attention network. <i>Scientific Reports</i> , <b>2020</b> , 10, 13993	4.9	1
224	Added sugar and dietary fiber consumption are associated with creativity in preadolescent children. <i>Nutritional Neuroscience</i> , <b>2020</b> , 23, 791-802	3.6	7
223	A systematic review of physical activity and cardiorespiratory fitness on P3b. <i>Psychophysiology</i> , <b>2020</b> , 57, e13425	4.1	23
222	Differential development of relational memory and pattern separation. <i>Hippocampus</i> , <b>2020</b> , 30, 210-219	3.5	3
221	Early life factors, gray matter brain volume and academic performance in overweight/obese children: The ActiveBrains project. <i>NeuroImage</i> , <b>2019</b> , 202, 116130	7.9	2
220	A 4-d Water Intake Intervention Increases Hydration and Cognitive Flexibility among Preadolescent Children. <i>Journal of Nutrition</i> , <b>2019</b> , 149, 2255-2264	4.1	5
219	Investigating Gains in Neurocognition in an Intervention Trial of Exercise (IGNITE): Protocol. <i>Contemporary Clinical Trials</i> , <b>2019</b> , 85, 105832	2.3	17

218	The theoretical foundation, fidelity, feasibility, and acceptability of a teacher training to promote physical activity among preschoolers in child care: A pilot study. <i>Preventive Medicine Reports</i> , <b>2019</b> , 13, 214-217	2.6	4
217	Musical Instrument Practice Predicts White Matter Microstructure and Cognitive Abilities in Childhood. <i>Frontiers in Psychology</i> , <b>2019</b> , 10, 1198	3.4	5
216	Cognitive and neural architecture of decision making competence. <i>NeuroImage</i> , <b>2019</b> , 199, 172-183	7.9	3
215	School-based physical activity intervention for older adolescents: rationale and study protocol for the Burn 2 Learn cluster randomised controlled trial. <i>BMJ Open</i> , <b>2019</b> , 9, e026029	3	11
214	Fitness, physical activity, working memory, and neuroelectric activity in children with overweight/obesity. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2019</b> , 29, 1352-1363	4.6	29
213	Physical Fitness, White Matter Volume and Academic Performance in Children: Findings From the ActiveBrains and FITKids2 Projects. <i>Frontiers in Psychology</i> , <b>2019</b> , 10, 208	3.4	29
212	Moving fast, thinking fast: The relations of physical activity levels and bouts to neuroelectric indices of inhibitory control in preadolescents. <i>Journal of Sport and Health Science</i> , <b>2019</b> , 8, 301-314	8.2	14
211	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> , <b>2019</b> , 53, 640-647	10.3	176
210	Enhanced decision-making through multimodal training. <i>Npj Science of Learning</i> , <b>2019</b> , 4, 11	6	9
209	Cognitive Assessments in Hydration Research Involving Children: Methods and Considerations. <i>Annals of Nutrition and Metabolism</i> , <b>2019</b> , 74 Suppl 3, 19-24	4.5	3
208	The Impact of Physical Activity on Brain Structure and Function in Youth: A Systematic Review. <i>Pediatrics</i> , <b>2019</b> , 144,	7.4	47
207	The Influence of Classroom Physical Activity Participation and Time on Task on Academic Achievement. <i>Translational Journal of the American College of Sports Medicine</i> , <b>2019</b> , 4, 84-95	1.1	5
206	Physical Activity, Cognition, and Brain Outcomes: A Review of the 2018 Physical Activity Guidelines. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 1242-1251	1.2	235
205	Physical Activity and Health in Children Younger than 6 Years: A Systematic Review. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 1282-1291	1.2	39
204	The Longitudinal Associations of Fitness and Motor Skills with Academic Achievement. <i>Medicine and Science in Sports and Exercise</i> , <b>2019</b> , 51, 2050-2057	1.2	12
203	Individual differences in analogical reasoning revealed by multivariate task-based functional brain imaging. <i>NeuroImage</i> , <b>2019</b> , 184, 993-1004	7.9	11
202	Fitness, cortical thickness and surface area in overweight/obese children: The mediating role of body composition and relationship with intelligence. <i>NeuroImage</i> , <b>2019</b> , 186, 771-781	7.9	22
201	A targeted neuropsychological examination of children with a history of sport-related concussion. <i>Brain Injury</i> , <b>2019</b> , 33, 291-298	2.1	2

200	Improving Methodological Standards in Behavioral Interventions for Cognitive Enhancement. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , <b>2019</b> , 3, 2-29	2.4	91
199	Relations between mode of birth delivery and timing of developmental milestones and adiposity in preadolescence: A retrospective study. <i>Early Human Development</i> , <b>2019</b> , 129, 52-59	2.2	12
198	Feasibility and Preliminary Efficacy of a Teacher-Facilitated High-Intensity Interval Training Intervention for Older Adolescents. <i>Pediatric Exercise Science</i> , <b>2019</b> , 31, 107-117	2	27
197	On mindful and mindless physical activity and executive function: A response to Diamond and Ling (2016). <i>Developmental Cognitive Neuroscience</i> , <b>2019</b> , 37, 100529	5.5	20
196	A Large-Scale Reanalysis of Childhood Fitness and Inhibitory Control. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , <b>2018</b> , 2, 170-192	2.4	21
195	Double dissociation of structure-function relationships in memory and fluid intelligence observed with magnetic resonance elastography. <i>NeuroImage</i> , <b>2018</b> , 171, 99-106	7.9	20
194	Association of School-Based Physical Activity Opportunities, Socioeconomic Status, and Third-Grade Reading. <i>Journal of School Health</i> , <b>2018</b> , 88, 34-43	2.1	9
193	The Negative Influence of Adiposity Extends to Intraindividual Variability in Cognitive Control Among Preadolescent Children. <i>Obesity</i> , <b>2018</b> , 26, 405-411	8	13
192	ActivPAL <sup>®</sup> determined sedentary behaviour, physical activity and academic achievement in college students. <i>Journal of Sports Sciences</i> , <b>2018</b> , 36, 2311-2316	3.6	24
191	Influence of a 2- to 6-year physical education intervention on scholastic performance: The CHAMPS study-DK. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2018</b> , 28, 228-236	4.6	11
190	Adolescent Changes in Aerobic Fitness Are Related to Changes in Academic Achievement. <i>Pediatric Exercise Science</i> , <b>2018</b> , 30, 106-114	2	15
189	Macular pigment optical density is positively associated with academic performance among preadolescent children. <i>Nutritional Neuroscience</i> , <b>2018</b> , 21, 632-640	3.6	17
188	Aerobic Fitness Explains Individual Differences in the Functional Brain Connectome of Healthy Young Adults. <i>Cerebral Cortex</i> , <b>2018</b> , 28, 3600-3609	5.1	28
187	How does academic achievement relate to cardiorespiratory fitness, self-reported physical activity and objectively reported physical activity: a systematic review in children and adolescents aged 6-18 years. <i>British Journal of Sports Medicine</i> , <b>2018</b> , 52, 1039	10.3	88
186	Effects of the FITKids physical activity randomized controlled trial on conflict monitoring in youth. <i>Psychophysiology</i> , <b>2018</b> , 55, e13017	4.1	20
185	The acute effects of short bouts of exercise on inhibitory control in adolescents. <i>Mental Health and Physical Activity</i> , <b>2018</b> , 15, 34-39	5	5
184	Commentary: At least eighty percent of brain grey matter is modifiable by physical activity: a review study. <i>Frontiers in Human Neuroscience</i> , <b>2018</b> , 12, 195	3.3	2
183	The Macular Carotenoids are Associated with Cognitive Function in Preadolescent Children. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	20

182	The Associations between Adiposity, Cognitive Function, and Achievement in Children. <i>Medicine and Science in Sports and Exercise</i> , <b>2018</b> , 50, 1868-1874	1.2	11
181	Scholastic performance and functional connectivity of brain networks in children. <i>PLoS ONE</i> , <b>2018</b> , 13, e0190073	3.7	14
180	Associations between waist circumference, metabolic risk and executive function in adolescents: A cross-sectional mediation analysis. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199281	3.7	5
179	Measuring working memory in the Spanish population: Validation of a multiple shortened complex span task. <i>Psychological Assessment</i> , <b>2018</b> , 30, 274-279	5.3	2
178	The Scientific Foundation for the Physical Activity Guidelines for Americans, 2nd Edition. <i>Journal of Physical Activity and Health</i> , <b>2018</b> , 1-11	2.5	137
177	Multi-modal fitness and cognitive training to enhance fluid intelligence. <i>Intelligence</i> , <b>2018</b> , 66, 32-43	3	22
176	Physical Activity Increases White Matter Microstructure in Children. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 950	5.1	47
175	Relational memory is associated with academic achievement in preadolescent children. <i>Trends in Neuroscience and Education</i> , <b>2018</b> , 13, 8-16	3.7	3
174	Associations Between Aerobic Fitness and Cognitive Control in Adolescents. <i>Frontiers in Psychology</i> , <b>2018</b> , 9, 1298	3.4	30
173	Mindfulness training induces structural connectome changes in insula networks. <i>Scientific Reports</i> , <b>2018</b> , 8, 7929	4.9	20
172	The acute effects of high-intensity interval training and moderate-intensity continuous exercise on declarative memory and inhibitory control. <i>Psychology of Sport and Exercise</i> , <b>2018</b> , 38, 90-99	4.2	21
171	Run for Your Life! Childhood Physical Activity Effects on Brain and Cognition. <i>Kinesiology Review</i> , <b>2017</b> , 6, 12-21	2	20
170	The association between aerobic fitness and congruency sequence effects in preadolescent children. <i>Brain and Cognition</i> , <b>2017</b> , 113, 85-92	2.7	8
169	Physical activity and academic achievement across the curriculum: Results from a 3-year cluster-randomized trial. <i>Preventive Medicine</i> , <b>2017</b> , 99, 140-145	4.3	48
168	A smartphone "app"-delivered randomized factorial trial targeting physical activity in adults. <i>Journal of Behavioral Medicine</i> , <b>2017</b> , 40, 712-729	3.6	19
167	Comparison of the acute effects of high-intensity interval training and continuous aerobic walking on inhibitory control. <i>Psychophysiology</i> , <b>2017</b> , 54, 1335-1345	4.1	60
166	Effectiveness of a 16-Week High-Intensity Cardioresistance Training Program in Adults. <i>Journal of Strength and Conditioning Research</i> , <b>2017</b> , 31, 2528-2541	3.2	14
165	Muscular and Aerobic Fitness, Working Memory, and Academic Achievement in Children. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 500-508	1.2	48



164	Impact of Three Years of Classroom Physical Activity Bouts on Time-on-Task Behavior. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 2343-2350	1.2	22
163	From neuro-pigments to neural efficiency: The relationship between retinal carotenoids and behavioral and neuroelectric indices of cognitive control in childhood. <i>International Journal of Psychophysiology</i> , <b>2017</b> , 118, 1-8	2.9	31
162	Obesity, Visceral Adipose Tissue, and Cognitive Function in Childhood. <i>Journal of Pediatrics</i> , <b>2017</b> , 187, 134-140.e3	3.6	19
161	The association of context-specific sitting time and physical activity intensity to working memory capacity and academic achievement in young adults. <i>European Journal of Public Health</i> , <b>2017</b> , 27, 741-746	2.1	18
160	Aerobic fitness, hippocampal viscoelasticity, and relational memory performance. <i>NeuroImage</i> , <b>2017</b> , 153, 179-188	7.9	58
159	Macular Carotenoids, Aerobic Fitness, and Central Adiposity Are Associated Differentially with Hippocampal-Dependent Relational Memory in Preadolescent Children. <i>Journal of Pediatrics</i> , <b>2017</b> , 183, 108-114.e1	3.6	13
158	Enhanced Learning through Multimodal Training: Evidence from a Comprehensive Cognitive, Physical Fitness, and Neuroscience Intervention. <i>Scientific Reports</i> , <b>2017</b> , 7, 5808	4.9	29
157	Integrated Social- and Neurocognitive Model of Physical Activity Behavior in Older Adults with Metabolic Disease. <i>Annals of Behavioral Medicine</i> , <b>2017</b> , 51, 272-281	4.5	10
156	Aerobic Fitness Is Associated With Cognitive Control Strategy in Preadolescent Children. <i>Journal of Motor Behavior</i> , <b>2017</b> , 49, 150-162	1.4	10
155	A Review of Childhood Physical Activity, Brain, and Cognition: Perspectives on the Future. <i>Pediatric Exercise Science</i> , <b>2017</b> , 29, 170-176	2	32
154	Differential Effects of Carbohydrates on Behavioral and Neuroelectric Indices of Selective Attention in Preadolescent Children. <i>Frontiers in Human Neuroscience</i> , <b>2017</b> , 11, 614	3.3	3
153	Relationship between fruit and vegetable intake and interference control in breast cancer survivors. <i>European Journal of Nutrition</i> , <b>2016</b> , 55, 1555-62	5.2	7
152	Physical Activity for Cognitive and Mental Health in Youth: A Systematic Review of Mechanisms. <i>Pediatrics</i> , <b>2016</b> , 138,	7.4	423
151	Aerobic Fitness and Context Processing in Preadolescent Children. <i>Journal of Physical Activity and Health</i> , <b>2016</b> , 13, 94-101	2.5	6
150	High-Intensity Interval Training for Cognitive and Mental Health in Adolescents. <i>Medicine and Science in Sports and Exercise</i> , <b>2016</b> , 48, 1985-93	1.2	82
149	Dissociable brain biomarkers of fluid intelligence. <i>NeuroImage</i> , <b>2016</b> , 137, 201-211	7.9	23
148	Underlying sources of cognitive-anatomical variation in multi-modal neuroimaging and cognitive testing. <i>NeuroImage</i> , <b>2016</b> , 129, 439-449	7.9	3
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- 2 The Role of Chronic Physical Activity in Alleviating the Detrimental Relationship of Childhood Obesity on Brain and Cognition. *Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice*,1 2.4 0
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