

Charles H Hillman

List of Publications by Citations

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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	Be smart, exercise your heart: exercise effects on brain and cognition. <i>Nature Reviews Neuroscience</i> , 2008 , 9, 58-65	13.5	1982
288	Physical Activity, Fitness, Cognitive Function, and Academic Achievement in Children: A Systematic Review. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 1197-222	1.2	684
287	Neurobiology of exercise. <i>Obesity</i> , 2006 , 14, 345-56	8	585
286	The effect of acute treadmill walking on cognitive control and academic achievement in preadolescent children. <i>Neuroscience</i> , 2009 , 159, 1044-54	3.9	463
285	Physical fitness and academic achievement in third- and fifth-grade students. <i>Journal of Sport and Exercise Psychology</i> , 2007 , 29, 239-52	1.5	449
284	Physical Activity for Cognitive and Mental Health in Youth: A Systematic Review of Mechanisms. <i>Pediatrics</i> , 2016 , 138,	7.4	423
283	A neuroimaging investigation of the association between aerobic fitness, hippocampal volume, and memory performance in preadolescent children. <i>Brain Research</i> , 2010 , 1358, 172-83	3.7	410
282	Effects of the FITKids randomized controlled trial on executive control and brain function. <i>Pediatrics</i> , 2014 , 134, e1063-71	7.4	346
281	The influence of exercise on cognitive abilities. <i>Comprehensive Physiology</i> , 2013 , 3, 403-28	7.7	317
280	Brain processes in emotional perception: Motivated attention. <i>Cognition and Emotion</i> , 2004 , 18, 593-611	2.3	313
279	Aerobic fitness and cognitive development: Event-related brain potential and task performance indices of executive control in preadolescent children. <i>Developmental Psychology</i> , 2009 , 45, 114-29	3.7	293
278	Aerobic fitness and neurocognitive function in healthy preadolescent children. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, 1967-74	1.2	287
277	Acute cardiovascular exercise and executive control function. <i>International Journal of Psychophysiology</i> , 2003 , 48, 307-14	2.9	276
276	Physical Activity, Cognition, and Brain Outcomes: A Review of the 2018 Physical Activity Guidelines. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 1242-1251	1.2	235
275	Cardiorespiratory fitness and the flexible modulation of cognitive control in preadolescent children. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 1332-45	3.1	218
274	Basal ganglia volume is associated with aerobic fitness in preadolescent children. <i>Developmental Neuroscience</i> , 2010 , 32, 249-56	2.2	214
273	Exercise improves behavioral, neurocognitive, and scholastic performance in children with attention-deficit/hyperactivity disorder. <i>Journal of Pediatrics</i> , 2013 , 162, 543-51	3.6	207

272	The effect of acute aerobic and resistance exercise on working memory. <i>Medicine and Science in Sports and Exercise</i> , 2009 , 41, 927-34	1.2	207
271	The relation of childhood physical activity and aerobic fitness to brain function and cognition: a review. <i>Pediatric Exercise Science</i> , 2014 , 26, 138-46	2	195
270	The effects of an afterschool physical activity program on working memory in preadolescent children. <i>Developmental Science</i> , 2011 , 14, 1046-58	4.5	195
269	A review of the relation of aerobic fitness and physical activity to brain structure and function in children. <i>Journal of the International Neuropsychological Society</i> , 2011 , 17, 975-85	3.1	188
268	A review of chronic and acute physical activity participation on neuroelectric measures of brain health and cognition during childhood. <i>Preventive Medicine</i> , 2011 , 52 Suppl 1, S21-8	4.3	179
267	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
266	Physical activity and cognitive function in a cross-section of younger and older community-dwelling individuals. <i>Health Psychology</i> , 2006 , 25, 678-687	5	170
265	The relation of aerobic fitness to stroop task performance in preadolescent children. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 166-72	1.2	166
264	The relation of adiposity to cognitive control and scholastic achievement in preadolescent children. <i>Obesity</i> , 2012 , 20, 2406-11	8	151
263	Emotion and motivated behavior: postural adjustments to affective picture viewing. <i>Biological Psychology</i> , 2004 , 66, 51-62	3.2	147
262	Acute exercise facilitates brain function and cognition in children who need it most: an ERP study of individual differences in inhibitory control capacity. <i>Developmental Cognitive Neuroscience</i> , 2014 , 7, 53-64	5.5	144
261	Physical activity, brain, and cognition. <i>Current Opinion in Behavioral Sciences</i> , 2015 , 4, 27-32	4	142
260	A cross-sectional examination of age and physical activity on performance and event-related brain potentials in a task switching paradigm. <i>International Journal of Psychophysiology</i> , 2006 , 59, 30-9	2.9	138
259	Aerobic fitness is associated with greater efficiency of the network underlying cognitive control in preadolescent children. <i>Neuroscience</i> , 2011 , 199, 166-76	3.9	137
258	The Scientific Foundation for the Physical Activity Guidelines for Americans, 2nd Edition. <i>Journal of Physical Activity and Health</i> , 2018 , 1-11	2.5	137
257	Cardiorespiratory fitness and acute aerobic exercise effects on neuroelectric and behavioral measures of action monitoring. <i>Neuroscience</i> , 2006 , 141, 757-767	3.9	131
256	Physical activity and executive control: implications for increased cognitive health during older adulthood. <i>Research Quarterly for Exercise and Sport</i> , 2004 , 75, 176-85	1.9	130
255	Food deprivation and emotional reactions to food cues: implications for eating disorders. <i>Biological Psychology</i> , 2001 , 57, 153-77	3.2	127

254	The effects of physical activity on functional MRI activation associated with cognitive control in children: a randomized controlled intervention. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 72	3.3	126
253	A functional MRI investigation of the association between childhood aerobic fitness and neurocognitive control. <i>Biological Psychology</i> , 2012 , 89, 260-8	3.2	125
252	Age, physical fitness, and attention: P3a and P3b. <i>Psychophysiology</i> , 2009 , 46, 379-87	4.1	123
251	Expertise Differences in Cortical Activation and Gaze Behavior during Rifle Shooting. <i>Journal of Sport and Exercise Psychology</i> , 2000 , 22, 167-182	1.5	123
250	Aerobic fitness and executive control of relational memory in preadolescent children. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 344-9	1.2	121
249	Physical activity: an underestimated investment in human capital?. <i>Journal of Physical Activity and Health</i> , 2013 , 10, 289-308	2.5	120
248	Age and physical activity influences on action monitoring during task switching. <i>Neurobiology of Aging</i> , 2006 , 27, 1335-45	5.6	120
247	Cortico-cortical Communication and Superior Performance in Skilled Marksmen: An EEG Coherence Analysis. <i>Journal of Sport and Exercise Psychology</i> , 2003 , 25, 188-204	1.5	118
246	The persistent effects of concussion on neuroelectric indices of attention. <i>Journal of Neurotrauma</i> , 2009 , 26, 1463-70	5.4	116
245	Aerobic fitness is associated with greater white matter integrity in children. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 584	3.3	114
244	Childhood aerobic fitness predicts cognitive performance one year later. <i>Journal of Sports Sciences</i> , 2012 , 30, 421-30	3.6	110
243	Neuroelectric and behavioral indices of interference control during acute cycling. <i>Clinical Neurophysiology</i> , 2007 , 118, 570-80	4.3	106
242	The association between mild traumatic brain injury history and cognitive control. <i>Neuropsychologia</i> , 2009 , 47, 3210-6	3.2	97
241	The relationship of age and cardiovascular fitness to cognitive and motor processes. <i>Psychophysiology</i> , 2002 , 39, 303-12	4.1	96
240	The negative association of childhood obesity to cognitive control of action monitoring. <i>Cerebral Cortex</i> , 2014 , 24, 654-62	5.1	91
239	Improving Methodological Standards in Behavioral Interventions for Cognitive Enhancement. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2019 , 3, 2-29	2.4	91
238	A narrative review of physical activity, nutrition, and obesity to cognition and scholastic performance across the human lifespan. <i>Advances in Nutrition</i> , 2011 , 2, 201S-6S	10	89
237	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> , 2018 , 52, 1039	10.3	88

236	The acute effects of yoga on executive function. <i>Journal of Physical Activity and Health</i> , 2013 , 10, 488-95	2.5	87
235	On the number of trials necessary for stabilization of error-related brain activity across the life span. <i>Psychophysiology</i> , 2010 , 47, 767-73	4.1	87
234	The effects of single bouts of aerobic exercise, exergaming, and videogame play on cognitive control. <i>Clinical Neurophysiology</i> , 2011 , 122, 1518-25	4.3	83
233	High-Intensity Interval Training for Cognitive and Mental Health in Adolescents. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 1985-93	1.2	82
232	Physical Activity, Fitness, Cognitive Function, and Academic Achievement in Children: A Systematic Review. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 1223-4	1.2	80
231	Fitness and action monitoring: evidence for improved cognitive flexibility in young adults. <i>Neuroscience</i> , 2008 , 157, 319-28	3.9	73
230	An electrocortical comparison of executed and rejected shots in skilled marksmen. <i>Biological Psychology</i> , 2000 , 52, 71-83	3.2	70
229	III. The importance of physical activity and aerobic fitness for cognitive control and memory in children. <i>Monographs of the Society for Research in Child Development</i> , 2014 , 79, 25-50	6.6	69
228	Influences of age on emotional reactivity during picture processing. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2005 , 60, P49-56	4.6	69
227	The association of childhood obesity to neuroelectric indices of inhibition. <i>Psychophysiology</i> , 2012 , 49, 1361-71	4.1	67
226	Preliminary assessment of safety and effectiveness in humans of ProBiora3, a probiotic mouthwash. <i>Journal of Applied Microbiology</i> , 2009 , 107, 682-90	4.7	67
225	Maintenance of cognitive control during and after walking in preadolescent children. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 2017-24	1.2	67
224	Aerobic fitness enhances relational memory in preadolescent children: the FITKids randomized control trial. <i>Hippocampus</i> , 2012 , 22, 1876-82	3.5	64
223	Dietary lipids are differentially associated with hippocampal-dependent relational memory in prepubescent children. <i>American Journal of Clinical Nutrition</i> , 2014 , 99, 1026-32	7	63
222	The Copenhagen Consensus Conference 2016: children, youth, and physical activity in schools and during leisure time. <i>British Journal of Sports Medicine</i> , 2016 , 50, 1177-8	10.3	63
221	Comparison of the acute effects of high-intensity interval training and continuous aerobic walking on inhibitory control. <i>Psychophysiology</i> , 2017 , 54, 1335-1345	4.1	60
220	White matter microstructure is associated with cognitive control in children. <i>Biological Psychology</i> , 2013 , 94, 109-15	3.2	60
219	FIT Kids: Time in target heart zone and cognitive performance. <i>Preventive Medicine</i> , 2011 , 52 Suppl 1, S55-9	4.3	60

218	Modification of an effector strain for replacement therapy of dental caries to enable clinical safety trials. <i>Journal of Applied Microbiology</i> , 2007 , 102, 1209-19	4.7	60
217	Dietary fiber is positively associated with cognitive control among prepubertal children. <i>Journal of Nutrition</i> , 2015 , 145, 143-9	4.1	59
216	Aerobic fitness, hippocampal viscoelasticity, and relational memory performance. <i>NeuroImage</i> , 2017 , 153, 179-188	7.9	58
215	Central adiposity is negatively associated with hippocampal-dependent relational memory among overweight and obese children. <i>Journal of Pediatrics</i> , 2015 , 166, 302-8.e1	3.6	55
214	Aerobic fitness and response variability in preadolescent children performing a cognitive control task. <i>Neuropsychology</i> , 2011 , 25, 333-41	3.8	53
213	From ERPs to academics. <i>Developmental Cognitive Neuroscience</i> , 2012 , 2 Suppl 1, S90-8	5.5	52
212	A history of sport-related concussion on event-related brain potential correlates of cognition. <i>International Journal of Psychophysiology</i> , 2011 , 82, 16-23	2.9	51
211	The role of aerobic fitness in cortical thickness and mathematics achievement in preadolescent children. <i>PLoS ONE</i> , 2015 , 10, e0134115	3.7	50
210	The persistent influence of concussive injuries on cognitive control and neuroelectric function. <i>Journal of Athletic Training</i> , 2014 , 49, 24-35	4	50
209	Physical activity and academic achievement across the curriculum: Results from a 3-year cluster-randomized trial. <i>Preventive Medicine</i> , 2017 , 99, 140-145	4.3	48
208	Muscular and Aerobic Fitness, Working Memory, and Academic Achievement in Children. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 500-508	1.2	48
207	Acute effects of walking, cycling, and yoga exercise on cognition in persons with relapsing-remitting multiple sclerosis without impaired cognitive processing speed. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2015 , 37, 209-19	2.1	48
206	The association between aerobic fitness and language processing in children: implications for academic achievement. <i>Brain and Cognition</i> , 2014 , 87, 140-52	2.7	48
205	Aerobic capacity and cognitive control in elementary school-age children. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 1025-35	1.2	48
204	The Impact of Physical Activity on Brain Structure and Function in Youth: A Systematic Review. <i>Pediatrics</i> , 2019 , 144,	7.4	47
203	Physical Activity Increases White Matter Microstructure in Children. <i>Frontiers in Neuroscience</i> , 2018 , 12, 950	5.1	47
202	Physical activity and academic achievement across the curriculum (A + PAAC): rationale and design of a 3-year, cluster-randomized trial. <i>BMC Public Health</i> , 2013 , 13, 307	4.1	46
201	Effectiveness of a School-Based Physical Activity Intervention on Cognitive Performance in Danish Adolescents: LCoMotion-Learning, Cognition and Motion - A Cluster Randomized Controlled Trial. <i>PLoS ONE</i> , 2016 , 11, e0158087	3.7	45

200	Aerobic fitness is associated with greater hippocampal cerebral blood flow in children. <i>Developmental Cognitive Neuroscience</i> , 2016 , 20, 52-8	5.5	45
199	The influence of childhood aerobic fitness on learning and memory. <i>PLoS ONE</i> , 2013 , 8, e72666	3.7	43
198	Fit and vigilant: the relationship between poorer aerobic fitness and failures in sustained attention during preadolescence. <i>Neuropsychology</i> , 2012 , 26, 407-13	3.8	42
197	The sexual dimorphic association of cardiorespiratory fitness to working memory in children. <i>Developmental Science</i> , 2016 , 19, 90-108	4.5	40
196	Physical Activity and Health in Children Younger than 6 Years: A Systematic Review. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 1282-1291	1.2	39
195	Moderate-to-Vigorous Physical Activity, Indices of Cognitive Control, and Academic Achievement in Preadolescents. <i>Journal of Pediatrics</i> , 2016 , 173, 136-42	3.6	38
194	The influence of cardiorespiratory fitness on strategic, behavioral, and electrophysiological indices of arithmetic cognition in preadolescent children. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 258	3.3	36
193	The associations among fundamental movement skills, self-reported physical activity and academic performance during junior high school in Finland. <i>Journal of Sports Sciences</i> , 2015 , 33, 1719-29	3.6	35
192	Aerobic fitness and intra-individual variability of neurocognition in preadolescent children. <i>Brain and Cognition</i> , 2013 , 82, 43-57	2.7	34
191	A systematic review of physical activity and quality of life and well-being. <i>Translational Behavioral Medicine</i> , 2020 , 10, 1098-1109	3.2	33
190	The persistent influence of pediatric concussion on attention and cognitive control during flanker performance. <i>Biological Psychology</i> , 2015 , 109, 93-102	3.2	32
189	The persistent influence of concussion on attention, executive control and neuroelectric function in preadolescent children. <i>International Journal of Psychophysiology</i> , 2016 , 99, 85-95	2.9	32
188	A Review of Childhood Physical Activity, Brain, and Cognition: Perspectives on the Future. <i>Pediatric Exercise Science</i> , 2017 , 29, 170-176	2	32
187	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> , 2017 , 118, 1-8	2.9	31
186	IV. The cognitive implications of obesity and nutrition in childhood. <i>Monographs of the Society for Research in Child Development</i> , 2014 , 79, 51-71	6.6	30
185	Role of childhood aerobic fitness in successful street crossing. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 749-53	1.2	30
184	Review of High-Intensity Interval Training for Cognitive and Mental Health in Youth. <i>Medicine and Science in Sports and Exercise</i> , 2020 , 52, 2224-2234	1.2	30
183	Associations Between Aerobic Fitness and Cognitive Control in Adolescents. <i>Frontiers in Psychology</i> , 2018 , 9, 1298	3.4	30

182	Fitness, physical activity, working memory, and neuroelectric activity in children with overweight/obesity. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019 , 29, 1352-1363	4.6	29
181	Physical Fitness, White Matter Volume and Academic Performance in Children: Findings From the ActiveBrains and FITKids2 Projects. <i>Frontiers in Psychology</i> , 2019 , 10, 208	3.4	29
180	Enhanced Learning through Multimodal Training: Evidence from a Comprehensive Cognitive, Physical Fitness, and Neuroscience Intervention. <i>Scientific Reports</i> , 2017 , 7, 5808	4.9	29
179	From cognitive motor preparation to visual processing: The benefits of childhood fitness to brain health. <i>Neuroscience</i> , 2015 , 298, 211-9	3.9	28
178	Aerobic Fitness Explains Individual Differences in the Functional Brain Connectome of Healthy Young Adults. <i>Cerebral Cortex</i> , 2018 , 28, 3600-3609	5.1	28
177	The relation of mild traumatic brain injury to chronic lapses of attention. <i>Research Quarterly for Exercise and Sport</i> , 2012 , 83, 553-9	1.9	28
176	Concussion does not impact intraindividual response time variability. <i>Neuropsychology</i> , 2007 , 21, 796-803	3.8	28
175	Differences in Sustained Attention Capacity as a Function of Aerobic Fitness. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 887-95	1.2	28
174	Aerobic fitness predicts relational memory but not item memory performance in healthy young adults. <i>Journal of Cognitive Neuroscience</i> , 2014 , 26, 2645-52	3.1	27
173	Feasibility and Preliminary Efficacy of a Teacher-Facilitated High-Intensity Interval Training Intervention for Older Adolescents. <i>Pediatric Exercise Science</i> , 2019 , 31, 107-117	2	27
172	Neuroelectric indices of goal maintenance following a single bout of physical activity. <i>Biological Psychology</i> , 2012 , 89, 528-31	3.2	26
171	Sport-related concussion and sensory function in young adults. <i>Journal of Athletic Training</i> , 2014 , 49, 36-41	4	25
170	Aerobic fitness and academic achievement: A systematic review and meta-analysis. <i>Journal of Sports Sciences</i> , 2020 , 38, 582-589	3.6	24
169	ActivPAL [®] determined sedentary behaviour, physical activity and academic achievement in college students. <i>Journal of Sports Sciences</i> , 2018 , 36, 2311-2316	3.6	24
168	Alterations in error-related brain activity and post-error behavior over time. <i>Brain and Cognition</i> , 2012 , 80, 257-65	2.7	24
167	The relation of self-efficacy and error-related self-regulation. <i>International Journal of Psychophysiology</i> , 2011 , 80, 1-10	2.9	24
166	The relation of saturated fats and dietary cholesterol to childhood cognitive flexibility. <i>Appetite</i> , 2015 , 93, 51-6	4.5	23
165	Dissociable brain biomarkers of fluid intelligence. <i>NeuroImage</i> , 2016 , 137, 201-211	7.9	23

164	Acute effects of varying intensities of treadmill walking exercise on inhibitory control in persons with multiple sclerosis: A pilot investigation. <i>Physiology and Behavior</i> , 2016 , 154, 20-7	3.5	23
163	Self-efficacy effects on neuroelectric and behavioral indices of action monitoring in older adults. <i>Neurobiology of Aging</i> , 2008 , 29, 1111-22	5.6	23
162	A systematic review of physical activity and cardiorespiratory fitness on P3b. <i>Psychophysiology</i> , 2020 , 57, e13425	4.1	23
161	Impact of Three Years of Classroom Physical Activity Bouts on Time-on-Task Behavior. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 2343-2350	1.2	22
160	Impact of the FITKids physical activity intervention on adiposity in prepubertal children. <i>Pediatrics</i> , 2014 , 133, e875-83	7.4	22
159	The association between a history of concussion and variability in behavioral and neuroelectric indices of cognition. <i>International Journal of Psychophysiology</i> , 2015 , 98, 426-34	2.9	22
158	V. The differential association of adiposity and fitness with cognitive control in preadolescent children. <i>Monographs of the Society for Research in Child Development</i> , 2014 , 79, 72-92	6.6	22
157	Motivated Engagement to Appetitive and Aversive Fanship Cues: Psychophysiological Responses of Rival Sport Fans. <i>Journal of Sport and Exercise Psychology</i> , 2004 , 26, 338-351	1.5	22
156	Promoting Physical Activity in Low-Active Adolescents via Facebook: A Pilot Randomized Controlled Trial to Test Feasibility. <i>JMIR Research Protocols</i> , 2014 , 3, e56	2	22
155	Fitness, cortical thickness and surface area in overweight/obese children: The mediating role of body composition and relationship with intelligence. <i>NeuroImage</i> , 2019 , 186, 771-781	7.9	22
154	Multi-modal fitness and cognitive training to enhance fluid intelligence. <i>Intelligence</i> , 2018 , 66, 32-43	3	22
153	The Relation of ERP Indices of Exercise to Brain Health and Cognition 2012 , 419-446		22
152	The relationship of moderate-to-vigorous physical activity to cognitive processing in adolescents: findings from the ALSPAC birth cohort. <i>Psychological Research</i> , 2015 , 79, 715-28	2.5	21
151	A Large-Scale Reanalysis of Childhood Fitness and Inhibitory Control. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2018 , 2, 170-192	2.4	21
150	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> , 2018 , 38, 90-99	4.2	21
149	Run for Your Life! Childhood Physical Activity Effects on Brain and Cognition. <i>Kinesiology Review</i> , 2017 , 6, 12-21	2	20
148	Double dissociation of structure-function relationships in memory and fluid intelligence observed with magnetic resonance elastography. <i>NeuroImage</i> , 2018 , 171, 99-106	7.9	20
147	Effects of the FITKids physical activity randomized controlled trial on conflict monitoring in youth. <i>Psychophysiology</i> , 2018 , 55, e13017	4.1	20

146	The Macular Carotenoids are Associated with Cognitive Function in Preadolescent Children. <i>Nutrients</i> , 2018 , 10,	6.7	20
145	Sensorimotor gating and anxiety: prepulse inhibition following acute exercise. <i>International Journal of Psychophysiology</i> , 2007 , 64, 157-64	2.9	20
144	On mindful and mindless physical activity and executive function: A response to Diamond and Ling (2016). <i>Developmental Cognitive Neuroscience</i> , 2019 , 37, 100529	5.5	20
143	Mindfulness training induces structural connectome changes in insula networks. <i>Scientific Reports</i> , 2018 , 8, 7929	4.9	20
142	A smartphone "app"-delivered randomized factorial trial targeting physical activity in adults. <i>Journal of Behavioral Medicine</i> , 2017 , 40, 712-729	3.6	19
141	Obesity, Visceral Adipose Tissue, and Cognitive Function in Childhood. <i>Journal of Pediatrics</i> , 2017 , 187, 134-140.e3	3.6	19
140	The Relationship of Health Behaviors to Childhood Cognition and Brain Health. <i>Annals of Nutrition and Metabolism</i> , 2015 , 66 Suppl 3, 1-4	4.5	19
139	Physical activity as an investment in personal and social change: the Human Capital Model. <i>Journal of Physical Activity and Health</i> , 2012 , 9, 1053-5	2.5	19
138	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> , 2017 , 27, 741-746 ^{2.1}	2.1	18
137	Der Zusammenhang von Fitness, kognitiver Leistungsfähigkeit und Gehirnzustand im Schulkindalter. <i>Zeitschrift Fur Sportpsychologie</i> , 2013 , 20, 33-41	0.3	18
136	Investigating Gains in Neurocognition in an Intervention Trial of Exercise (IGNITE): Protocol. <i>Contemporary Clinical Trials</i> , 2019 , 85, 105832	2.3	17
135	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
134	Macular pigment optical density is positively associated with academic performance among preadolescent children. <i>Nutritional Neuroscience</i> , 2018 , 21, 632-640	3.6	17
133	Fitness, physical activity and academic achievement in overweight/obese children. <i>Journal of Sports Sciences</i> , 2020 , 38, 731-740	3.6	16
132	Cognitive control in preadolescent children with risk factors for metabolic syndrome. <i>Health Psychology</i> , 2015 , 34, 243-52	5	16
131	Safety assessment of ProBiora3, a probiotic mouthwash: subchronic toxicity study in rats. <i>International Journal of Toxicology</i> , 2009 , 28, 357-67	2.4	16
130	A spontaneous lactate dehydrogenase deficient mutant of <i>Streptococcus rattus</i> for use as a probiotic in the prevention of dental caries. <i>Journal of Applied Microbiology</i> , 2009 , 107, 1551-8	4.7	16
129	Postural and eye-blink indices of the defensive startle reflex. <i>International Journal of Psychophysiology</i> , 2005 , 55, 45-9	2.9	16

128	Motor and nonmotor event-related potentials during a complex processing task. <i>Psychophysiology</i> , 2000 , 37, 731-736	4.1	16
127	Tracking the relationship between children's aerobic fitness and cognitive control. <i>Health Psychology</i> , 2016 , 35, 967-78	5	16
126	Adolescent Changes in Aerobic Fitness Are Related to Changes in Academic Achievement. <i>Pediatric Exercise Science</i> , 2018 , 30, 106-114	2	15
125	The relation of physical activity to functional connectivity between brain regions. <i>Clinical Neurophysiology</i> , 2011 , 122, 81-9	4.3	15
124	Standard-space atlas of the viscoelastic properties of the human brain. <i>Human Brain Mapping</i> , 2020 , 41, 5282-5300	5.9	15
123	Childhood Markers of Health Behavior Relate to Hippocampal Health, Memory, and Academic Performance. <i>Mind, Brain, and Education</i> , 2016 , 10, 162-170	1.8	15
122	Effectiveness of a 16-Week High-Intensity Cardioresistance Training Program in Adults. <i>Journal of Strength and Conditioning Research</i> , 2017 , 31, 2528-2541	3.2	14
121	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> , 2019 , 8, 301-314	8.2	14
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