

Phillip D Tomporowski

List of Publications by Citations

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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.

80
papers

5,725
citations

32
h-index

75
g-index

90
ext. papers

6,683
ext. citations

3
avg, IF

6.1
L-index

#	Paper	IF	Citations
80	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
79	The effect of exercise-induced arousal on cognitive task performance: a meta-regression analysis. <i>Brain Research</i> , 2010 , 1341, 12-24	3.7	626
78	Effects of acute bouts of exercise on cognition. <i>Acta Psychologica</i> , 2003 , 112, 297-324	1.7	615
77	Exercise improves executive function and achievement and alters brain activation in overweight children: a randomized, controlled trial. <i>Health Psychology</i> , 2011 , 30, 91-8	5	497
76	Exercise and Children's Intelligence, Cognition, and Academic Achievement. <i>Educational Psychology Review</i> , 2008 , 20, 111-131	7.1	457
75	Effects of exercise on cognitive processes: A review.. <i>Psychological Bulletin</i> , 1986 , 99, 338-346	19.1	249
74	Effects of acute exercise on executive processing, short-term and long-term memory. <i>Journal of Sports Sciences</i> , 2008 , 26, 333-44	3.6	189
73	Physical activity interventions and children's mental function: an introduction and overview. <i>Preventive Medicine</i> , 2011 , 52 Suppl 1, S3-9	4.3	178
72	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
71	Exercise and children's cognition: The role of exercise characteristics and a place for metacognition. <i>Journal of Sport and Health Science</i> , 2015 , 4, 47-55	8.2	145
70	Effects of aerobic exercise on overweight children's cognitive functioning: a randomized controlled trial. <i>Research Quarterly for Exercise and Sport</i> , 2007 , 78, 510-9	1.9	136
69	Acute aerobic exercise and information processing: energizing motor processes during a choice reaction time task. <i>Acta Psychologica</i> , 2008 , 129, 410-9	1.7	112
68	Effects of Aerobic Exercise on Overweight Children's Cognitive Functioning: A Randomized Controlled Trial. <i>Research Quarterly for Exercise and Sport</i> , 2007 , 78, 510-519	1.9	106
67	Cognitive and Behavioral Responses to Acute Exercise in Youths: A Review. <i>Pediatric Exercise Science</i> , 2003 , 15, 348-359	2	103
66	Systematic review of acute physically active learning and classroom movement breaks on children's physical activity, cognition, academic performance and classroom behaviour: understanding critical design features. <i>BMJ Open Sport and Exercise Medicine</i> , 2018 , 4, e000341	3.4	89
65	Acute aerobic exercise and information processing: modulation of executive control in a Random Number Generation task. <i>Acta Psychologica</i> , 2009 , 132, 85-95	1.7	83
64	Deliberate Play and Preparation Jointly Benefit Motor and Cognitive Development: Mediated and Moderated Effects. <i>Frontiers in Psychology</i> , 2016 , 7, 349	3.4	83

63	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
62	The influence of exercise-induced fatigue on cognitive function. <i>Journal of Sports Sciences</i> , 2012 , 30, 841-50	3.6	74
61	Effects of acute exercise on sensory and executive processing tasks. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 1396-402	1.2	73
60	Dietary quercetin supplementation is not ergogenic in untrained men. <i>Journal of Applied Physiology</i> , 2009 , 107, 1095-104	3.7	66
59	Effects of a physical education intervention on cognitive function in young children: randomized controlled pilot study. <i>BMC Pediatrics</i> , 2011 , 11, 97	2.6	63
58	Exercise, sports, and performance arts benefit cognition via a common process. <i>Psychological Bulletin</i> , 2019 , 145, 929-951	19.1	62
57	Balance performance with a cognitive task: a dual-task testing paradigm. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, 689-95	1.2	49
56	Balance performance with a cognitive task: a continuation of the dual-task testing paradigm. <i>Journal of Athletic Training</i> , 2011 , 46, 170-5	4	46
55	The immediate effects of strenuous exercise on free-recall memory. <i>Ergonomics</i> , 1987 , 30, 121-9	2.9	46
54	Effects of Memory Demand and Motivation on Sustained Attention in Young and Older Adults. <i>American Journal of Psychology</i> , 1996 , 109, 187	0.5	42
53	Effects of exercise on the physical fitness, intelligence, and adaptive behavior of institutionalized mentally retarded adults. <i>Applied Research in Mental Retardation</i> , 1984 , 5, 329-37		41
52	Short-term effects of aerobic exercise on executive processing, memory, and emotional reactivity. <i>International Journal of Sport and Exercise Psychology</i> , 2006 , 4, 57-72	2.5	40
51	Short-term effects of aerobic exercise on executive processes and emotional reactivity. <i>International Journal of Sport and Exercise Psychology</i> , 2005 , 3, 131-146	2.5	35
50	Variability of practice as an interface between motor and cognitive development. <i>International Journal of Sport and Exercise Psychology</i> , 2019 , 17, 133-152	2.5	35
49	Sensitivity to change in cognitive performance and mood measures of energy and fatigue in response to morning caffeine alone or in combination with carbohydrate. <i>International Journal of Neuroscience</i> , 2009 , 119, 1239-58	2	32
48	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
47	Effects of a Physical Fitness Training Program on the Exercise Behavior of institutionalized Mentally. Retarded Adults. <i>Adapted Physical Activity Quarterly</i> , 1985 , 2, 197-205	1.7	28
46	An Analysis of State Physical Education Policies. <i>Journal of Teaching in Physical Education</i> , 2012 , 31, 200-210		24

45	The effects of exercise on the health, intelligence, and adaptive behavior of institutionalized severely and profoundly mentally retarded adults: a systematic replication. <i>Applied Research in Mental Retardation</i> , 1985 , 6, 465-73		23
44	Driving after Concussion: Is It Safe To Drive after Symptoms Resolve?. <i>Journal of Neurotrauma</i> , 2017 , 34, 1571-1578	5.4	21
43	Acute Exercise and Psychological Functions: A Cognitive-Energetic Approach1-39		18
42	Aging and Concurrent Task Performance: Cognitive Demand and Motor Control. <i>Educational Gerontology</i> , 2006 , 32, 689-706	1.2	18
41	Mental engagement during cognitive and psychomotor tasks: Effects of task type, processing demands, and practice. <i>International Journal of Psychophysiology</i> , 2016 , 109, 124-131	2.9	17
40	Exercise and Cognitive Function: A Neuroendocrinological Explanation41-68		16
39	PERFORMANCE AND PERCEPTIONS OF WORKLOAD AMONG YOUNG AND OLDER ADULTS: EFFECTS OF PRACTICE DURING COGNITIVELY DEMANDING TASKS. <i>Educational Gerontology</i> , 2003 , 29, 447-466	1.2	16
38	Executive function moderates the role of muscular fitness in determining functional mobility in older adults. <i>Aging Clinical and Experimental Research</i> , 2013 , 25, 291-8	4.8	15
37	Independent Associations of Organized Physical Activity and Weight Status with Children's Cognitive Functioning: A Matched-Pairs Design. <i>Pediatric Exercise Science</i> , 2015 , 27, 477-87	2	15
36	Effects of backpack load on balance and decisional processes. <i>Military Medicine</i> , 2009 , 174, 1308-12	1.3	15
35	An Integrated Approach to the Effect of Acute and Chronic Exercise on Cognition: The Linked Role of Individual and Task Constraints211-226		15
34	Dual-task performance in young and older adults: speed-accuracy tradeoffs in choice responding while treadmill walking. <i>Journal of Aging and Physical Activity</i> , 2014 , 22, 557-63	1.6	14
33	Men's and women's perceptions of effort during progressive-resistance strength training. <i>Perceptual and Motor Skills</i> , 2001 , 92, 368-72	2.2	14
32	Cognitive-Motor Dual Task Interference Effects on Declarative Memory: A Theory-Based Review. <i>Frontiers in Psychology</i> , 2020 , 11, 1015	3.4	11
31	Effects of the Timing of Acute Exercise and Movement Complexity on Young Adults' Psychomotor Learning. <i>Journal of Sport and Exercise Psychology</i> , 2018 , 40, 240-248	1.5	8
30	Acute effects of exercise on attentional bias in low and high anxious young adults. <i>Mental Health and Physical Activity</i> , 2017 , 12, 62-72	5	7
29	Acute Aerobic Exercise Effects on Event-Related Brain Potentials161-178		7
28	Global switch cost as an index for concussion assessment: reliability and stability. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 1038-42	1.2	6

27	The Transient Hypofrontality Theory and its Implications for Emotion and Cognition	69-90		6
26	From Efficacy to Effectiveness of a Whole Child Initiative of Physical Activity Promotion.		1.1	6
	<i>Translational Journal of the American College of Sports Medicine</i> , 2016 , 1, 18-29			
25	Age Moderates the Association of Aerobic Exercise with Initial Learning of an Online Task Requiring Cognitive Control.		3.1	5
	<i>Journal of the International Neuropsychological Society</i> , 2015 , 21, 802-15			
24	Training an autistic client: the effect of brief restraint on disruptive behavior.		2.6	5
	<i>Journal of Behavior Therapy and Experimental Psychiatry</i> , 1983 , 14, 169-73			
23	Effects of Isometric Hand-Grip Muscle Contraction on Young Adults' Free Recall and Recognition Memory.		1.9	4
	<i>Research Quarterly for Exercise and Sport</i> , 2017 , 88, 95-100			
22	Exercise and Cognition.		2	4
	<i>Pediatric Exercise Science</i> , 2016 , 28, 23-7			
21	Exercise and Cognition in Children	249-267		4
20	Methodological Issues: Research Approaches, Research Design, and Task Selection	91-113		4
19	The effects of exercise frequency on executive function in individuals with Parkinson's disease.		5	4
	<i>Mental Health and Physical Activity</i> , 2016 , 10, 18-24			
18	Exercise and Cognition-2016.		2	3
	<i>Pediatric Exercise Science</i> , 2017 , 29, 31-34			
17	Active Learning Norwegian Preschool(er)s (ACTNOW) - Design of a Cluster Randomized Controlled Trial of Staff Professional Development to Promote Physical Activity, Motor Skills, and Cognition in Preschoolers.		3.4	3
	<i>Frontiers in Psychology</i> , 2020 , 11, 1382			
16	Effects of exercise on neurocognitive functions.		2.5	3
	<i>International Journal of Sport and Exercise Psychology</i> , 2005 , 3, 363-379			
15	Contiguous Approach Conditioning: A Model for Negative Reinforcement.		1.6	3
	<i>Psychological Reports</i> , 1975 , 37, 851-856			
14	Chronic Exercise and Cognition in Older Adults	227-247		2
13	Exercise and Decision-Making in Team Games	179-192		2
12	Effects of an After-School Program Focused on Physical Activity and Social-Emotional Learning.		1.8	2
	<i>Journal of Youth Development</i> , 2020 , 15, 292-305			
11	A Qualitative Analysis of Concussion-Reporting Behavior in Collegiate Student-Athletes With a History of Sport-Related Concussion.		4	2
	<i>Journal of Athletic Training</i> , 2021 , 56, 92-100			
10	Chronic Exercise and Developmental Disabilities	269-283		1

9	Chronic Exercise in Brain Diseases285-306		1
8	Exercise, Dehydration and Cognitive Function115-134		1
7	Exercise, Nutrition and Cognition135-151		1
6	A Chronometric and Electromyographic Approach to the Effect of Exercise on Reaction Time153-159		1
5	Using the health belief model to predict concussion-reporting intentions and behaviour. <i>Brain Injury</i> , 2020, 34, 16455-16465	2.1	0
4	Blood Glucose and Brain Metabolism in Exercise193-210		
3	Summary and Direction for Future Research307-317		
2	Aging And Concurrent Task Performance. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S109		1.2
1	Virtual reality-based distraction on pain, performance, and anxiety during and after moderate-vigorous intensity cycling.. <i>Physiology and Behavior</i> , 2022, 113779		3.5