

Phillip D Tomporowski

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

7,751
citations

126708

33
h-index

106150

65
g-index

90
all docs

90
docs citations

90
times ranked

5990
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical Activity, Fitness, Cognitive Function, and Academic Achievement in Children. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1197-1222.	0.2	1,118
2	The effect of exercise-induced arousal on cognitive task performance: A meta-regression analysis. <i>Brain Research</i> , 2010, 1341, 12-24.	1.1	810
3	Effects of acute bouts of exercise on cognition. <i>Acta Psychologica</i> , 2003, 112, 297-324.	0.7	768
4	Exercise improves executive function and achievement and alters brain activation in overweight children: A randomized, controlled trial.. <i>Health Psychology</i> , 2011, 30, 91-98.	1.3	636
5	Exercise and Children's Intelligence, Cognition, and Academic Achievement. <i>Educational Psychology Review</i> , 2008, 20, 111-131.	5.1	558
6	Effects of exercise on cognitive processes: A review.. <i>Psychological Bulletin</i> , 1986, 99, 338-346.	5.5	301
7	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.	3.1	287
8	Physical activity interventions and children's mental function: An introduction and overview. <i>Preventive Medicine</i> , 2011, 52, S3-S9.	1.6	222
9	Effects of acute exercise on executive processing, short-term and long-term memory. <i>Journal of Sports Sciences</i> , 2008, 26, 333-344.	1.0	216
10	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.	3.3	215
11	Effects of Aerobic Exercise on Overweight Children's Cognitive Functioning. <i>Research Quarterly for Exercise and Sport</i> , 2007, 78, 510-519.	0.8	176
12	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.	1.4	152
13	Exercise, sports, and performance arts benefit cognition via a common process.. <i>Psychological Bulletin</i> , 2019, 145, 929-951.	5.5	145
14	Acute aerobic exercise and information processing: Energizing motor processes during a choice reaction time task. <i>Acta Psychologica</i> , 2008, 129, 410-419.	0.7	138
15	Deliberate Play and Preparation Jointly Benefit Motor and Cognitive Development: Mediated and Moderated Effects. <i>Frontiers in Psychology</i> , 2016, 7, 349.	1.1	129
16	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.	0.8	119
17	Cognitive and Behavioral Responses to Acute Exercise in Youths: A Review. <i>Pediatric Exercise Science</i> , 2003, 15, 348-359.	0.5	115
18	Physical Activity, Fitness, Cognitive Function, and Academic Achievement in Children. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1223-1224.	0.2	113

#	ARTICLE	IF	CITATIONS
19	Acute aerobic exercise and information processing: Modulation of executive control in a Random Number Generation task. <i>Acta Psychologica</i> , 2009, 132, 85-95.	0.7	101
20	The influence of exercise-induced fatigue on cognitive function. <i>Journal of Sports Sciences</i> , 2012, 30, 841-850.	1.0	98
21	Effects of Acute Exercise on Sensory and Executive Processing Tasks. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 1396-1402.	0.2	88
22	Effects of a physical education intervention on cognitive function in young children: randomized controlled pilot study. <i>BMC Pediatrics</i> , 2011, 11, 97.	0.7	84
23	Dietary quercetin supplementation is not ergogenic in untrained men. <i>Journal of Applied Physiology</i> , 2009, 107, 1095-1104.	1.2	70
24	Variability of practice as an interface between motor and cognitive development. <i>International Journal of Sport and Exercise Psychology</i> , 2019, 17, 133-152.	1.1	68
25	Balance Performance with a Cognitive Task: A Dual-Task Testing Paradigm. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, 689-695.	0.2	59
26	The immediate effects of strenuous exercise on free-recall memory. <i>Ergonomics</i> , 1987, 30, 121-129.	1.1	57
27	Balance Performance With a Cognitive Task: A Continuation of the Dual-Task Testing Paradigm. <i>Journal of Athletic Training</i> , 2011, 46, 170-175.	0.9	55
28	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.	1.1	52
29	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, 329-337.	0.4	50
30	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	45
31	Effects of Acute Resistance Exercise on Late-Middle-Age Adults's Goal Planning. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 1773-1779.	0.2	45
32	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, 1239-1258.	0.8	41
33	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.	1.1	37
34	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, 465-473.	0.4	34
35	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.	0.6	33
36	Driving after Concussion: Is It Safe To Drive after Symptoms Resolve?. <i>Journal of Neurotrauma</i> , 2017, 34, 1571-1578.	1.7	32

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37	An Analysis of State Physical Education Policies. <i>Journal of Teaching in Physical Education</i> , 2012, 31, 200-210.	0.9	28
38	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.	0.5	27
39	Aging and Concurrent Task Performance: Cognitive Demand and Motor Control. <i>Educational Gerontology</i> , 2006, 32, 689-706.	0.7	24
40	An Integrated Approach to the Effect of Acute and Chronic Exercise on Cognition: The Linked Role of Individual and Task Constraints. , 0, , 211-226.		24
41	Effects of Backpack Load on Balance and Decisional Processes. <i>Military Medicine</i> , 2009, 174, 1308-1312.	0.4	23
42	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.	0.7	22
43	Cognitive-Motor Dual Task Interference Effects on Declarative Memory: A Theory-Based Review. <i>Frontiers in Psychology</i> , 2020, 11, 1015.	1.1	22
44	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, 557-563.	0.5	20
45	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, 477-487.	0.5	19
46	Acute and Chronic Exercise Effects on Human Memory: What We Know and Where to Go from Here. <i>Journal of Clinical Medicine</i> , 2021, 10, 4812.	1.0	18
47	Men's and Women's Perceptions of Effort during Progressive-Resistance Strength Training. <i>Perceptual and Motor Skills</i> , 2001, 92, 368-372.	0.6	17
48	Executive function moderates the role of muscular fitness in determining functional mobility in older adults. <i>Aging Clinical and Experimental Research</i> , 2013, 25, 291-298.	1.4	16
49	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.	0.7	16
50	Acute Aerobic Exercise Effects on Event-Related Brain Potentials. , 0, , 161-178.		14
51	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.	0.9	9
52	The Transient Hypofrontality Theory and its Implications for Emotion and Cognition. , 0, , 69-90.		8
53	Age Moderates the Association of Aerobic Exercise with Initial Learning of an Online Task Requiring Cognitive Control. <i>Journal of the International Neuropsychological Society</i> , 2015, 21, 802-815.	1.2	8
54	The effects of exercise frequency on executive function in individuals with Parkinson's disease. <i>Mental Health and Physical Activity</i> , 2016, 10, 18-24.	0.9	8

#	ARTICLE	IF	CITATIONS
55	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. <i>Frontiers in Psychology</i> , 2020, 11, 1382.	1.1	8
56	A Qualitative Analysis of Concussion-Reporting Behavior in Collegiate Student-Athletes With a History of Sport-Related Concussion. <i>Journal of Athletic Training</i> , 2021, 56, 92-100.	0.9	8
57	From Efficacy to Effectiveness of a “Whole Child” Initiative of Physical Activity Promotion. <i>Translational Journal of the American College of Sports Medicine</i> , 2016, 1, 18-29.	0.3	7
58	Training an autistic client: The effect of brief restraint on disruptive behavior. <i>Journal of Behavior Therapy and Experimental Psychiatry</i> , 1983, 14, 169-173.	0.6	6
59	Global Switch Cost as an Index for Concussion Assessment. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1038-1042.	0.2	6
60	Effects of Isometric Hand-Grip Muscle Contraction on Young Adults' Free Recall and Recognition Memory. <i>Research Quarterly for Exercise and Sport</i> , 2017, 88, 95-100.	0.8	6
61	Using the health belief model to predict concussion-reporting intentions and behaviour. <i>Brain Injury</i> , 2020, 34, 16455-16465.	0.6	6
62	Effects of exercise on neurocognitive functions. <i>International Journal of Sport and Exercise Psychology</i> , 2005, 3, 363-379.	1.1	4
63	Chronic Exercise and Cognition in Older Adults. , 0, , 227-247.		4
64	Exercise and Cognition in Children. , 0, , 249-267.		4
65	Exercise and Cognition. <i>Pediatric Exercise Science</i> , 2016, 28, 23-27.	0.5	4
66	Effects of an After-School Program Focused on Physical Activity and Social-Emotional Learning. <i>Journal of Youth Development</i> , 2020, 15, 292-305.	0.1	4
67	Contiguous Approach Conditioning: A Model for Negative Reinforcement. <i>Psychological Reports</i> , 1975, 37, 851-856.	0.9	3
68	Exercise and Cognition – 2016. <i>Pediatric Exercise Science</i> , 2017, 29, 31-34.	0.5	3
69	Virtual reality-based distraction on pain, performance, and anxiety during and after moderate-vigorous intensity cycling. <i>Physiology and Behavior</i> , 2022, 250, 113779.	1.0	3
70	Exercise, Dehydration and Cognitive Function. , 0, , 115-134.		2
71	Exercise and Decision-Making in Team Games. , 0, , 179-192.		2
72	Chronic Exercise and Developmental Disabilities. , 0, , 269-283.		1

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73	Chronic Exercise in Brain Diseases. , 0, , 285-306.		1
74	Summary and Direction for Future Research. , 0, , 307-317.		1
75	Exercise, Nutrition and Cognition. , 0, , 135-151.		1
76	A Chronometric and Electromyographic Approach to the Effect of Exercise on Reaction Time. , 0, , 153-159.		1
77	Effect Of Acute Exercise On Attention In Young Children. Medicine and Science in Sports and Exercise, 2007, 39, S164.	0.2	0
78	Blood Glucose and Brain Metabolism in Exercise. , 0, , 193-210.		0
79	Aging And Concurrent Task Performance. Medicine and Science in Sports and Exercise, 2005, 37, S109.	0.2	0
80	Effects of Aerobic Exercise on Overweight Children's Cognitive Functioning. Medicine and Science in Sports and Exercise, 2006, 38, S28.	0.2	0
81	Facilitating Effect of Acute Exercise on Choice Reaction Time. Medicine and Science in Sports and Exercise, 2007, 39, S329.	0.2	0
82	401. Medicine and Science in Sports and Exercise, 2009, 41, 59.	0.2	0
83	Effects of Muscle Tension Arousal on Young Adults's™ Immediate and Delayed Memory. Medicine and Science in Sports and Exercise, 2016, 48, 1051.	0.2	0