

Matthew B Pontifex

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

7,885
citations

71004

43
h-index

58552

86
g-index

96
all docs

96
docs citations

96
times ranked

6165
citing authors

#	ARTICLE	IF	CITATIONS
1	Meeting 24-hour movement behavior guidelines in young children: Improved quantity estimation and self-regulation. <i>Early Education and Development</i> , 2023, 34, 762-789.	1.6	5
2	Attention-Deficit/Hyperactivity Disorder-Related Self-Reported Symptoms Are Associated With Elevated Concussion Symptomatology. <i>Journal of Sport and Exercise Psychology</i> , 2022, 44, 116-126.	0.7	0
3	Physically active learning in preschoolers: Improved self-regulation, comparable quantity estimation. <i>Trends in Neuroscience and Education</i> , 2021, 22, 100150.	1.5	5
4	Placebo controlled phase II clinical trial: Safety and efficacy of combining intranasal insulin & acute exercise. <i>Metabolic Brain Disease</i> , 2021, 36, 1289-1303.	1.4	7
5	Aerobic fitness relates to superior exact and approximate arithmetic processing in college-aged adults. <i>Trends in Neuroscience and Education</i> , 2021, 23, 100154.	1.5	1
6	Phasic activity of the locus-coeruleus is not a mediator of the relationship between fitness and inhibition in college-aged adults. <i>International Journal of Psychophysiology</i> , 2021, 165, 1-7.	0.5	3
7	Aerobic fitness moderates girls' affective and working memory responses to social exclusion. <i>Psychology of Sport and Exercise</i> , 2021, 55, 101927.	1.1	1
8	Paired cognitive flexibility task with symptom factors improves detection of sports-related concussion in high school and collegiate athletes. <i>Journal of the Neurological Sciences</i> , 2021, 428, 117575.	0.3	2
9	The effect of acute exercise for reducing cognitive alterations associated with individuals high in anxiety. <i>International Journal of Psychophysiology</i> , 2021, 167, 47-56.	0.5	6
10	A systematic review of physical activity and cardiorespiratory fitness on P3b. <i>Psychophysiology</i> , 2020, 57, e13425.	1.2	62
11	Greater childhood cardiorespiratory fitness is associated with better top-down cognitive control: A midfrontal theta oscillation study. <i>Psychophysiology</i> , 2020, 57, e13678.	1.2	8
12	The role of BMI on cognition following acute physical activity in preadolescent children. <i>Trends in Neuroscience and Education</i> , 2020, 21, 100143.	1.5	3
13	Preschoolers exhibit greater on-task behavior following physically active lessons on the approximate number system. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 1777-1786.	1.3	7
14	Carbohydrate mouth rinse has no effects on behavioral or neuroelectric indices of cognition. <i>International Journal of Psychophysiology</i> , 2020, 151, 49-58.	0.5	3
15	Fitness, physical activity, sedentary time, inhibitory control, and neuroelectric activity in children with overweight or obesity: The ActiveBrains project. <i>Psychophysiology</i> , 2020, 57, e13579.	1.2	27
16	Aerobic fitness relates to differential attentional but not language-related cognitive processes. <i>Brain and Language</i> , 2019, 198, 104681.	0.8	3
17	Acute and protracted disruptions to inhibitory control following sports-related concussion. <i>Neuropsychologia</i> , 2019, 131, 223-232.	0.7	14
18	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.	1.3	51

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19	The Influence of Pitch-by-Pitch Feedback on Neural Activity and Pitch Perception in Baseball. <i>Journal of Sport and Exercise Psychology</i> , 2019, 41, 65-72.	0.7	1
20	Pupillometric indices of locus-coeruleus activation are not modulated following single bouts of exercise. <i>International Journal of Psychophysiology</i> , 2019, 140, 41-52.	0.5	22
21	Physical Fitness, Physical Activity, and the Executive Function in Children with Overweight and Obesity. <i>Journal of Pediatrics</i> , 2019, 208, 50-56.e1.	0.9	75
22	Expert's Choice: 2018's Most Exciting Research in the Field of Pediatric Exercise Science. <i>Pediatric Exercise Science</i> , 2019, 31, 1-27.	0.5	11
23	A primer on investigating the after effects of acute bouts of physical activity on cognition. <i>Psychology of Sport and Exercise</i> , 2019, 40, 1-22.	1.1	199
24	Physical activity and brain structure, brain function, and cognition in children and youth: A systematic review of randomized controlled trials. <i>Mental Health and Physical Activity</i> , 2019, 16, 105-127.	0.9	51
25	Reliability and Validity of Commercially Available Low-Cost Bioelectrical Impedance Analysis. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2019, 29, 406-410.	1.0	83
26	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.	1.1	32
27	Bi-stable perception as a bridge between vision and decision making. <i>Journal of Vision</i> , 2019, 19, 62.	0.1	0
28	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.	0.8	27
29	Effects of the FITKids physical activity randomized controlled trial on conflict monitoring in youth. <i>Psychophysiology</i> , 2018, 55, e13017.	1.2	26
30	Cerebral blood flow is not modulated following acute aerobic exercise in preadolescent children. <i>International Journal of Psychophysiology</i> , 2018, 134, 44-51.	0.5	19
31	Whole blood n-3 fatty acids are associated with executive function in 6-year-old Northern Ghanaian children. <i>Journal of Nutritional Biochemistry</i> , 2018, 57, 287-293.	1.9	18
32	Preliminary evidence for differential trajectories of recovery for cognitive flexibility following sports-related concussion. <i>Neuropsychology</i> , 2018, 32, 564-574.	1.0	16
33	Aerobic Fitness and Inhibition in Young Children: Moderating Roles of ADHD Status and Age. <i>Journal of Clinical Child and Adolescent Psychology</i> , 2017, 46, 646-652.	2.2	9
34	Evaluating the efficacy of fully automated approaches for the selection of eyeblink ICA components. <i>Psychophysiology</i> , 2017, 54, 780-791.	1.2	51
35	The association between aerobic fitness and congruency sequence effects in preadolescent children. <i>Brain and Cognition</i> , 2017, 113, 85-92.	0.8	9
36	Muscular and Aerobic Fitness, Working Memory, and Academic Achievement in Children. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 500-508.	0.2	66

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37	Does Walking Mitigate Affective and Cognitive Responses to Social Exclusion?. Journal of Sport and Exercise Psychology, 2017, 39, 97-108.	0.7	5
38	Obesity, Visceral Adipose Tissue, and Cognitive Function in Childhood. Journal of Pediatrics, 2017, 187, 134-140.e3.	0.9	27
39	Variability of ICA decomposition may impact EEG signals when used to remove eyeblink artifacts. Psychophysiology, 2017, 54, 386-398.	1.2	45
40	Aerobic Fitness Is Associated With Cognitive Control Strategy in Preadolescent Children. Journal of Motor Behavior, 2017, 49, 150-162.	0.5	17
41	The Association between Physical Activity During the Day and Long-Term Memory Stability. Scientific Reports, 2016, 6, 38148.	1.6	25
42	Whole-blood fatty acids are associated with executive function in Tanzanian children aged 4-6 years: a cross-sectional study. British Journal of Nutrition, 2016, 116, 1537-1545.	1.2	14
43	The sexual dimorphic association of cardiorespiratory fitness to working memory in children. Developmental Science, 2016, 19, 90-108.	1.3	45
44	The association between a history of concussion and variability in behavioral and neuroelectric indices of cognition. International Journal of Psychophysiology, 2015, 98, 426-434.	0.5	31
45	The Role of Aerobic Fitness in Cortical Thickness and Mathematics Achievement in Preadolescent Children. PLoS ONE, 2015, 10, e0134115.	1.1	83
46	Single bouts of exercise selectively sustain attentional processes. Psychophysiology, 2015, 52, 618-625.	1.2	60
47	Aerobic fitness is associated with greater white matter integrity in children. Frontiers in Human Neuroscience, 2014, 8, 584.	1.0	150
48	VI. THE ROLE OF PHYSICAL ACTIVITY IN REDUCING BARRIERS TO LEARNING IN CHILDREN WITH DEVELOPMENTAL DISORDERS. Monographs of the Society for Research in Child Development, 2014, 79, 93-118.	6.8	19
49	V. THE DIFFERENTIAL ASSOCIATION OF ADIPOSITY AND FITNESS WITH COGNITIVE CONTROL IN PREADOLESCENT CHILDREN. Monographs of the Society for Research in Child Development, 2014, 79, 72-92.	6.8	26
50	The Negative Association of Childhood Obesity to Cognitive Control of Action Monitoring. Cerebral Cortex, 2014, 24, 654-662.	1.6	110
51	Acute exercise facilitates brain function and cognition in children who need it most: An ERP study of individual differences in inhibitory control capacity. Developmental Cognitive Neuroscience, 2014, 7, 53-64.	1.9	201
52	Effects of the FITKids Randomized Controlled Trial on Executive Control and Brain Function. Pediatrics, 2014, 134, e1063-e1071.	1.0	447
53	Poorer aerobic fitness relates to reduced integrity of multiple memory systems. Cognitive, Affective and Behavioral Neuroscience, 2014, 14, 1132-1141.	1.0	18
54	Impact of the FITKids Physical Activity Intervention on Adiposity in Prepubertal Children. Pediatrics, 2014, 133, e875-e883.	1.0	32

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55	Exercise Improves Behavioral, Neurocognitive, and Scholastic Performance in Children with Attention-Deficit/Hyperactivity Disorder. <i>Journal of Pediatrics</i> , 2013, 162, 543-551.	0.9	277
56	Aerobic fitness and intra-individual variability of neurocognition in preadolescent children. <i>Brain and Cognition</i> , 2013, 82, 43-57.	0.8	41
57	White matter microstructure is associated with cognitive control in children. <i>Biological Psychology</i> , 2013, 94, 109-115.	1.1	75
58	The Acute Effects of Yoga on Executive Function. <i>Journal of Physical Activity and Health</i> , 2013, 10, 488-495.	1.0	105
59	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.	1.0	181
60	Childhood aerobic fitness predicts cognitive performance one year later. <i>Journal of Sports Sciences</i> , 2012, 30, 421-430.	1.0	143
61	Maintenance of Cognitive Control during and after Walking in Preadolescent Children. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 2017-2024.	0.2	81
62	Fit and vigilant: The relationship between poorer aerobic fitness and failures in sustained attention during preadolescence.. <i>Neuropsychology</i> , 2012, 26, 407-413.	1.0	56
63	The association of childhood obesity to neuroelectric indices of inhibition. <i>Psychophysiology</i> , 2012, 49, 1361-1371.	1.2	85
64	The Relation of Mild Traumatic Brain Injury to Chronic Lapses of Attention. <i>Research Quarterly for Exercise and Sport</i> , 2012, 83, 553-559.	0.8	30
65	A functional MRI investigation of the association between childhood aerobic fitness and neurocognitive control. <i>Biological Psychology</i> , 2012, 89, 260-268.	1.1	150
66	Neuroelectric indices of goal maintenance following a single bout of physical activity. <i>Biological Psychology</i> , 2012, 89, 528-531.	1.1	34
67	The Relation of Adiposity to Cognitive Control and Scholastic Achievement in Preadolescent Children. <i>Obesity</i> , 2012, 20, 2406-2411.	1.5	171
68	Alterations in error-related brain activity and post-error behavior over time. <i>Brain and Cognition</i> , 2012, 80, 257-265.	0.8	26
69	From ERPs to academics. <i>Developmental Cognitive Neuroscience</i> , 2012, 2, S90-S98.	1.9	59
70	The Relation of ERP Indices of Exercise to Brain Health and Cognition. , 2012, , 419-446.		32
71	The effects of single bouts of aerobic exercise, exergaming, and videogame play on cognitive control. <i>Clinical Neurophysiology</i> , 2011, 122, 1518-1525.	0.7	110
72	The relation of self-efficacy and error-related self-regulation. <i>International Journal of Psychophysiology</i> , 2011, 80, 1-10.	0.5	27

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73	Aerobic fitness is associated with greater efficiency of the network underlying cognitive control in preadolescent children. <i>Neuroscience</i> , 2011, 199, 166-176.	1.1	160
74	Aerobic fitness and response variability in preadolescent children performing a cognitive control task.. <i>Neuropsychology</i> , 2011, 25, 333-341.	1.0	65
75	The effects of an afterschool physical activity program on working memory in preadolescent children. <i>Developmental Science</i> , 2011, 14, 1046-1058.	1.3	245
76	Cardiorespiratory Fitness and the Flexible Modulation of Cognitive Control in Preadolescent Children. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 1332-1345.	1.1	259
77	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, 975-985.	1.2	267
78	A neuroimaging investigation of the association between aerobic fitness, hippocampal volume, and memory performance in preadolescent children. <i>Brain Research</i> , 2010, 1358, 172-183.	1.1	516
79	On the number of trials necessary for stabilization of error-related brain activity across the life span. <i>Psychophysiology</i> , 2010, 47, 767-73.	1.2	114
80	The relation of aerobic fitness to neuroelectric indices of cognitive and motor task preparation. <i>Psychophysiology</i> , 2010, 47, 814-21.	1.2	16
81	Basal Ganglia Volume Is Associated with Aerobic Fitness in Preadolescent Children. <i>Developmental Neuroscience</i> , 2010, 32, 249-256.	1.0	270
82	The Persistent Effects of Concussion on Neuroelectric Indices of Attention. <i>Journal of Neurotrauma</i> , 2009, 26, 1463-1470.	1.7	124
83	The Effect of Acute Aerobic and Resistance Exercise on Working Memory. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 927-934.	0.2	263
84	The association between mild traumatic brain injury history and cognitive control. <i>Neuropsychologia</i> , 2009, 47, 3210-3216.	0.7	110
85	Age, physical fitness, and attention: P3a and P3b. <i>Psychophysiology</i> , 2009, 46, 379-387.	1.2	142
86	The effect of acute treadmill walking on cognitive control and academic achievement in preadolescent children. <i>Neuroscience</i> , 2009, 159, 1044-1054.	1.1	578
87	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, 114-129.	1.2	337
88	Self-efficacy effects on neuroelectric and behavioral indices of action monitoring in older adults. <i>Neurobiology of Aging</i> , 2008, 29, 1111-1122.	1.5	25
89	Fitness and action monitoring: Evidence for improved cognitive flexibility in young adults. <i>Neuroscience</i> , 2008, 157, 319-328.	1.1	92
90	Neuroelectric measurement of cognition during aerobic exercise. <i>Methods</i> , 2008, 45, 271-278.	1.9	14

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91	Aerobic Exercise Training and Intra-individual Cognitive Variability in Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S364.	0.2	3
92	Neuroelectric and behavioral indices of interference control during acute cycling. <i>Clinical Neurophysiology</i> , 2007, 118, 570-580.	0.7	120
93	Physical activity and cognitive function in a cross-section of younger and older community-dwelling individuals.. <i>Health Psychology</i> , 2006, 25, 678-687.	1.3	203
94	Physical activity and sleep moderate the relationship between stress and screen time in college-aged adults. <i>Journal of American College Health</i> , 0, , 1-11.	0.8	0