

Lauren B Raine

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

4,056
citations

201575

27
h-index

149623

56
g-index

60
all docs

60
docs citations

60
times ranked

4198
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical Activity for Cognitive and Mental Health in Youth: A Systematic Review of Mechanisms. <i>Pediatrics</i> , 2016, 138, .	1.0	702
2	Effects of the FITKids Randomized Controlled Trial on Executive Control and Brain Function. <i>Pediatrics</i> , 2014, 134, e1063-e1071.	1.0	447
3	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
4	Basal Ganglia Volume Is Associated with Aerobic Fitness in Preadolescent Children. <i>Developmental Neuroscience</i> , 2010, 32, 249-256.	1.0	270
5	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
6	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.	1.9	201
7	The Relation of Adiposity to Cognitive Control and Scholastic Achievement in Preadolescent Children. <i>Obesity</i> , 2012, 20, 2406-2411.	1.5	171
8	Aerobic fitness is associated with greater white matter integrity in children. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 584.	1.0	150
9	The Negative Association of Childhood Obesity to Cognitive Control of Action Monitoring. <i>Cerebral Cortex</i> , 2014, 24, 654-662.	1.6	110
10	Dietary Fiber Is Positively Associated with Cognitive Control among Prepubertal Children ., <i>Journal of Nutrition</i> , 2015, 145, 143-149.	1.3	90
11	Dietary lipids are differentially associated with hippocampal-dependent relational memory in prepubescent children. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 1026-1033.	2.2	88
12	The association of childhood obesity to neuroelectric indices of inhibition. <i>Psychophysiology</i> , 2012, 49, 1361-1371.	1.2	85
13	The Role of Aerobic Fitness in Cortical Thickness and Mathematics Achievement in Preadolescent Children. <i>PLoS ONE</i> , 2015, 10, e0134115.	1.1	83
14	Physical Activity Increases White Matter Microstructure in Children. <i>Frontiers in Neuroscience</i> , 2018, 12, 950.	1.4	78
15	Central Adiposity Is Negatively Associated with Hippocampal-Dependent Relational Memory among Overweight and Obese Children. <i>Journal of Pediatrics</i> , 2015, 166, 302-308.e1.	0.9	72
16	Aerobic fitness is associated with greater hippocampal cerebral blood flow in children. <i>Developmental Cognitive Neuroscience</i> , 2016, 20, 52-58.	1.9	72
17	Aerobic fitness and response variability in preadolescent children performing a cognitive control task.. <i>Neuropsychology</i> , 2011, 25, 333-341.	1.0	65
18	The Influence of Childhood Aerobic Fitness on Learning and Memory. <i>PLoS ONE</i> , 2013, 8, e72666.	1.1	58

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19	Moderate-to-Vigorous Physical Activity, Indices of Cognitive Control, and Academic Achievement in Preadolescents. <i>Journal of Pediatrics</i> , 2016, 173, 136-142.	0.9	57
20	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.	1.1	49
21	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.	0.5	48
22	The sexual dimorphic association of cardiorespiratory fitness to working memory in children. <i>Developmental Science</i> , 2016, 19, 90-108.	1.3	45
23	The persistent influence of pediatric concussion on attention and cognitive control during flanker performance. <i>Biological Psychology</i> , 2015, 109, 93-102.	1.1	42
24	Aerobic fitness and intra-individual variability of neurocognition in preadolescent children. <i>Brain and Cognition</i> , 2013, 82, 43-57.	0.8	41
25	The relation of saturated fats and dietary cholesterol to childhood cognitive flexibility. <i>Appetite</i> , 2015, 93, 51-56.	1.8	40
26	Macular pigment optical density is positively associated with academic performance among preadolescent children. <i>Nutritional Neuroscience</i> , 2018, 21, 632-640.	1.5	33
27	Impact of the FITKids Physical Activity Intervention on Adiposity in Prepubertal Children. <i>Pediatrics</i> , 2014, 133, e875-e883.	1.0	32
28	The Associations between Adiposity, Cognitive Function, and Achievement in Children. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 1868-1874.	0.2	29
29	Obesity, Visceral Adipose Tissue, and Cognitive Function in Childhood. <i>Journal of Pediatrics</i> , 2017, 187, 134-140.e3.	0.9	27
30	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
31	Effects of the FITKids physical activity randomized controlled trial on conflict monitoring in youth. <i>Psychophysiology</i> , 2018, 55, e13017.	1.2	26
32	Scholastic performance and functional connectivity of brain networks in children. <i>PLoS ONE</i> , 2018, 13, e0190073.	1.1	26
33	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.	3.3	22
34	Brain Network Modularity Predicts Improvements in Cognitive and Scholastic Performance in Children Involved in a Physical Activity Intervention. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 346.	1.0	20
35	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> , 2021, 16, e12708.	1.4	19
36	Aerobic Fitness Is Associated With Cognitive Control Strategy in Preadolescent Children. <i>Journal of Motor Behavior</i> , 2017, 49, 150-162.	0.5	17

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37	The Negative Influence of Adiposity Extends to Intraindividual Variability in Cognitive Control Among Preadolescent Children. <i>Obesity</i> , 2018, 26, 405-411.	1.5	17
38	Relations between mode of birth delivery and timing of developmental milestones and adiposity in preadolescence: A retrospective study. <i>Early Human Development</i> , 2019, 129, 52-59.	0.8	16
39	Integrated Social- and Neurocognitive Model of Physical Activity Behavior in Older Adults with Metabolic Disease. <i>Annals of Behavioral Medicine</i> , 2017, 51, 272-281.	1.7	15
40	Associations Between Physical Fitness Indices and Working Memory in Breast Cancer Survivors and Age-Matched Controls. <i>Journal of Women's Health</i> , 2016, 25, 99-108.	1.5	14
41	Temporal trends in leisure-time sedentary behavior among adolescents aged 12-15 years from 26 countries in Asia, Africa, and the Americas. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020, 17, 102.	2.0	13
42	Relationship between fruit and vegetable intake and interference control in breast cancer survivors. <i>European Journal of Nutrition</i> , 2016, 55, 1555-1562.	1.8	11
43	Musical Instrument Practice Predicts White Matter Microstructure and Cognitive Abilities in Childhood. <i>Frontiers in Psychology</i> , 2019, 10, 1198.	1.1	11
44	Resting-State Functional Connectivity and Scholastic Performance in Preadolescent Children: A Data-Driven Multivoxel Pattern Analysis (MVPA). <i>Journal of Clinical Medicine</i> , 2020, 9, 3198.	1.0	11
45	Circulating progenitor cells are positively associated with cognitive function among overweight/obese children. <i>Brain, Behavior, and Immunity</i> , 2016, 57, 47-52.	2.0	9
46	Aerobic Fitness and Context Processing in Preadolescent Children. <i>Journal of Physical Activity and Health</i> , 2016, 13, 94-101.	1.0	9
47	Brain network modularity predicts changes in cortical thickness in children involved in a physical activity intervention. <i>Psychophysiology</i> , 2021, 58, e13890.	1.2	9
48	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
49	Skeletal Effects of Nine Months of Physical Activity in Obese and Healthy Weight Children. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 434-440.	0.2	7
50	Adiposity is related to neuroelectric indices of motor response preparation in preadolescent children. <i>International Journal of Psychophysiology</i> , 2020, 147, 176-183.	0.5	6
51	Single Nucleotide Polymorphisms in CD36 Are Associated with Macular Pigment among Children. <i>Journal of Nutrition</i> , 2021, 151, 2533-2540.	1.3	6
52	Differential Effects of Carbohydrates on Behavioral and Neuroelectric Indices of Selective Attention in Preadolescent Children. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 614.	1.0	5
53	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
54	Body mass and cardiorespiratory fitness are associated with altered brain metabolism. <i>Metabolic Brain Disease</i> , 2020, 35, 999-1007.	1.4	2

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55	Sympathetic Nervous System and Exercise Affects Cognition in Youth (SNEACY): study protocol for a randomized crossover trial. <i>Trials</i> , 2021, 22, 154.	0.7	2
56	The Role of Chronic Physical Activity in Alleviating the Detrimental Relationship of Childhood Obesity on Brain and Cognition. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2022, 6, 248-271.	0.8	2
57	Towards a better understanding of the negative relationship between adiposity and cognitive health in prepubertal children. <i>FASEB Journal</i> , 2013, 27, 852.5.	0.2	1
58	Aerobic Fitness, B-Vitamins, and Weight Status Are Related to Selective Attention in Children. <i>Nutrients</i> , 2022, 14, 201.	1.7	1
59	Television viewing and intake of added sugars related to increased central adiposity in prepubertal children. <i>FASEB Journal</i> , 2012, 26, 369.5.	0.2	0
60	Central adiposity predicts hippocampal-dependent relational memory in prepubertal children. <i>FASEB Journal</i> , 2013, 27, 360.4.	0.2	0