

Kirk I Erickson

List of Publications by Year in descending order

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Version: 2024-02-01

159
papers

19,919
citations

38660

50
h-index

11581

135
g-index

162
all docs

162
docs citations

162
times ranked

18089
citing authors

#	ARTICLE	IF	CITATIONS
1	Addressing the biological embedding of early life adversities (ELA) among adults through mindfulness: Proposed mechanisms and review of converging evidence. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 134, 104526.	2.9	7
2	Cognitive Aging and the Promise of Physical Activity. <i>Annual Review of Clinical Psychology</i> , 2022, 18, 417-442.	6.3	46
3	Aerobic exercise improves episodic memory in late adulthood: a systematic review and meta-analysis. <i>Communications Medicine</i> , 2022, 2, .	1.9	19
4	Obesity, Psychological Distress, and Resting State Connectivity of the Hippocampus and Amygdala Among Women With Early-Stage Breast Cancer. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 848028.	1.0	5
5	Molecular and Brain Volume Changes Following Aerobic Exercise, Cognitive and Combined Training in Physically Inactive Healthy Late-Middle-Aged Adults: The Projecte Moviment Randomized Controlled Trial. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 854175.	1.0	8
6	Changes in cerebral perfusion following a 12-month exercise and diet intervention. <i>Psychophysiology</i> , 2021, 58, e13589.	1.2	19
7	The fitness versus body fat hypothesis in relation to hippocampal structure. <i>Psychophysiology</i> , 2021, 58, e13591.	1.2	6
8	Associations of sleep with gray matter volume and their implications for academic achievement, executive function and intelligence in children with overweight/obesity. <i>Pediatric Obesity</i> , 2021, 16, e12707.	1.4	11
9	The Impact of the BAILAMOS, a Dance Program on Brain Functional Connectivity and Cognition in Older Latino Adults: a Pilot Study. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2021, 5, 1-14.	0.8	10
10	Estrogen, brain structure, and cognition in postmenopausal women. <i>Human Brain Mapping</i> , 2021, 42, 24-35.	1.9	27
11	Physical fitness, hippocampal functional connectivity and academic performance in children with overweight/obesity: The ActiveBrains project. <i>Brain, Behavior, and Immunity</i> , 2021, 91, 284-295.	2.0	28
12	Physical fitness and brain source localization during a working memory task in children with overweight/obesity: The ActiveBrains project. <i>Developmental Science</i> , 2021, 24, e13048.	1.3	5
13	Exercise interventions preserve hippocampal volume: A meta-analysis. <i>Hippocampus</i> , 2021, 31, 335-347.	0.9	54
14	Dual-Task Exercise to Improve Cognition and Functional Capacity of Healthy Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 589299.	1.7	31
15	A cross-sectional examination of a family history of Alzheimer's disease and ApoE epsilon 4 on physical fitness, molecular biomarkers, and neurocognitive performance. <i>Physiology and Behavior</i> , 2021, 230, 113268.	1.0	6
16	Exercise and Fitness Neuroprotective Effects: Molecular, Brain Volume and Psychological Correlates and Their Mediating Role in Healthy Late-Middle-Aged Women and Men. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 615247.	1.7	14
17	Association of physical activity levels and brain white matter in older Latino adults. <i>Ethnicity and Health</i> , 2021, , 1-17.	1.5	1
18	The Relationship between Physical Activity, Self-Perceived Health, and Cognitive Function in Older Adults. <i>Brain Sciences</i> , 2021, 11, 492.	1.1	13

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19	Functional Connectivity and Response Inhibition: A Secondary Analysis of an 8-Week Randomized Controlled Trial of Computerized Cognitive Training. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 1525-1537.	1.2	2
20	Differences in adolescent cerebral perfusion as a function of obesity: Results from the FLEXâ€œBrain study. <i>Obesity</i> , 2021, 29, 1171-1177.	1.5	1
21	Aerobic exercise, cardiorespiratory fitness, and the human hippocampus. <i>Hippocampus</i> , 2021, 31, 817-844.	0.9	26
22	Peripheral inflammatory biomarkers predict the deposition and progression of amyloid-Î² in cognitively unimpaired older adults. <i>Brain, Behavior, and Immunity</i> , 2021, 95, 178-189.	2.0	22
23	Physical activity and sleep: An updated umbrella review of the 2018 Physical Activity Guidelines Advisory Committee report. <i>Sleep Medicine Reviews</i> , 2021, 58, 101489.	3.8	49
24	Relationships between physical activity, sleep and cognitive function: A narrative review. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 130, 369-378.	2.9	36
25	Sex Matters in the Association between Physical Activity and Fitness with Cognition. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1252-1259.	0.2	4
26	OUP accepted manuscript. <i>Brain Communications</i> , 2021, 3, fcab228.	1.5	1
27	Promoting brain health through physical activity among adults exposed to early life adversity: Potential mechanisms and theoretical framework. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 131, 688-703.	2.9	12
28	The Effects of Computerized Cognitive Training With and Without Physical Exercise on Cognitive Function in Older Adults: An 8-Week Randomized Controlled Trial. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 755-763.	1.7	35
29	The effects of omega-3 fatty acids on neuropsychological functioning and brain morphology in mid-life adults: a randomized clinical trial. <i>Psychological Medicine</i> , 2020, 50, 2425-2434.	2.7	8
30	A review of the relationship between eating behavior, obesity and functional brain network organization. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 1157-1181.	1.5	54
31	Comparison of Food Cueâ€œEvoked and Resting-State Functional Connectivity in Obesity. <i>Psychosomatic Medicine</i> , 2020, 82, 261-271.	1.3	21
32	The Effects of a 12-Month Weight Loss Intervention on Cognitive Outcomes in Adults with Overweight and Obesity. <i>Nutrients</i> , 2020, 12, 2988.	1.7	20
33	Does APOE genotype moderate the relationship between physical activity, brain health and dementia risk? A systematic review. <i>Ageing Research Reviews</i> , 2020, 64, 101173.	5.0	16
34	A systematic review of physical activity and quality of life and well-being. <i>Translational Behavioral Medicine</i> , 2020, 10, 1098-1109.	1.2	141
35	Do fitter kids have bigger brains?. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 2498-2502.	1.3	14
36	Relationship between Dispositional Mindfulness, Psychological Health, and Diet Quality among Healthy Midlife Adults. <i>Nutrients</i> , 2020, 12, 3414.	1.7	8

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37	Effects of Aerobic Exercise, Cognitive and Combined Training on Cognition in Physically Inactive Healthy Late-Middle-Aged Adults: The Projecte Moviment Randomized Controlled Trial. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 590168.	1.7	9
38	Effects of Exercise on Brain and Cognition Across Age Groups and Health States. <i>Trends in Neurosciences</i> , 2020, 43, 533-543.	4.2	176
39	The Influence of Physical Activity and Epigenomics On Cognitive Function and Brain Health in Breast Cancer. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 123.	1.7	8
40	Physical Activity is Associated With Fewer Subjective Cognitive Complaints in 47 Low- and Middle-Income Countries. <i>Journal of the American Medical Directors Association</i> , 2020, 21, 1423-1429.e2.	1.2	9
41	The association between physical fitness parameters and white matter microstructure in older adults: A diffusion tensor imaging study. <i>Psychophysiology</i> , 2020, 57, e13539.	1.2	9
42	Lean mass index is positively associated with white matter volumes in several brain regions in children with overweight/obesity. <i>Pediatric Obesity</i> , 2020, 15, e12604.	1.4	7
43	Differences in Brain Volume between Metabolically Healthy and Unhealthy Overweight and Obese Children: The Role of Fitness. <i>Journal of Clinical Medicine</i> , 2020, 9, 1059.	1.0	9
44	Associations of Objectively-Assessed Physical Activity and Sedentary Time with Hippocampal Gray Matter Volume in Children with Overweight/Obesity. <i>Journal of Clinical Medicine</i> , 2020, 9, 1080.	1.0	18
45	Association of Sedentary Behavior with Brain Structure and Intelligence in Children with Overweight or Obesity: The ActiveBrains Project. <i>Journal of Clinical Medicine</i> , 2020, 9, 1101.	1.0	24
46	Sedentary Time is Associated with Worse Attention in Parkinson's Disease: A Pilot Study. <i>Journal of Movement Disorders</i> , 2020, 13, 146-149.	0.7	3
47	Effects and Mechanisms of Cognitive, Aerobic Exercise, and Combined Training on Cognition, Health, and Brain Outcomes in Physically Inactive Older Adults: The Projecte Moviment Protocol. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 216.	1.7	23
48	Early life factors, gray matter brain volume and academic performance in overweight/obese children: The ActiveBrains project. <i>NeuroImage</i> , 2019, 202, 116130.	2.1	10
49	Investigating Gains in Neurocognition in an Intervention Trial of Exercise (IGNITE): Protocol. <i>Contemporary Clinical Trials</i> , 2019, 85, 105832.	0.8	26
50	How the 2018 US Physical Activity Guidelines are a Call to Promote and Better Understand Acute Physical Activity for Cognitive Function Gains. <i>Sports Medicine</i> , 2019, 49, 1625-1627.	3.1	16
51	Exercise for Depression: A Feasibility Trial Exploring Neural Mechanisms. <i>American Journal of Geriatric Psychiatry</i> , 2019, 27, 611-616.	0.6	29
52	Impact of Intensive Lifestyle Intervention on Neural Food Cue Reactivity: Action for Health in Diabetes Brain Ancillary Study. <i>Obesity</i> , 2019, 27, 1076-1084.	1.5	6
53	Role of Physical Activity and Sedentary Behavior in the Mental Health of Preschoolers, Children and Adolescents: A Systematic Review and Meta-Analysis. <i>Sports Medicine</i> , 2019, 49, 1383-1410.	3.1	603
54	What Is the Dose-Response Relationship Between Exercise and Cardiorespiratory Fitness After Stroke? A Systematic Review. <i>Physical Therapy</i> , 2019, 99, 821-832.	1.1	15

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55	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
56	Aerobic exercise and consecutive task-specific training (AExaCTT) for upper limb recovery after stroke: A randomized controlled pilot study. <i>Physiotherapy Research International</i> , 2019, 24, e1775.	0.7	6
57	The Feasibility of a Telehealth Exercise Program Aimed at Increasing Cardiorespiratory Fitness for People After Stroke. <i>International Journal of Telerehabilitation</i> , 2019, 11, 9-28.	0.7	21
58	Higher Cardiorespiratory Fitness is Associated with Reduced Functional Brain Connectivity During Performance of the Stroop Task. <i>Brain Plasticity</i> , 2019, 5, 57-67.	1.9	10
59	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.	0.2	549
60	The Immediate Effects of Acute Aerobic Exercise on Cognition in Healthy Older Adults: A Systematic Review. <i>Sports Medicine</i> , 2019, 49, 67-82.	3.1	36
61	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.	2.1	36
62	Exercise, Fitness and the Aging Brain: A Review of Functional Connectivity in Aging. <i>Archives of Psychology (Chicago, Ill)</i> , 2019, 3, .	0.6	28
63	Cover Image, Volume 28, Issue 3. <i>Hippocampus</i> , 2018, 28, C1.	0.9	0
64	Cardiorespiratory fitness is associated with enhanced hippocampal functional connectivity in healthy young adults. <i>Hippocampus</i> , 2018, 28, 239-247.	0.9	41
65	Protocol for Exercise Program in Cancer and Cognition (EPICC): A randomized controlled trial of the effects of aerobic exercise on cognitive function in postmenopausal women with breast cancer receiving aromatase inhibitor therapy. <i>Contemporary Clinical Trials</i> , 2018, 67, 109-115.	0.8	17
66	Association of Hippocampal Substructure Resting-State Functional Connectivity with Memory Performance in Older Adults. <i>American Journal of Geriatric Psychiatry</i> , 2018, 26, 690-699.	0.6	15
67	Physical Activity and Cognition: A Mediating Role of Efficient Sleep. <i>Behavioral Sleep Medicine</i> , 2018, 16, 569-586.	1.1	61
68	Long Term Effect of Intensive Lifestyle Intervention on Cerebral Blood Flow. <i>Journal of the American Geriatrics Society</i> , 2018, 66, 120-126.	1.3	30
69	Discovery and visualization of structural biomarkers from MRI using transport-based morphometry. <i>NeuroImage</i> , 2018, 167, 256-275.	2.1	21
70	Physical Activity Increases White Matter Microstructure in Children. <i>Frontiers in Neuroscience</i> , 2018, 12, 950.	1.4	78
71	Weight Loss Outcomes from a Pilot Study of African Dance in Older African Americans. <i>Obesity</i> , 2018, 26, 1893-1897.	1.5	4
72	Commentary: At least eighty percent of brain grey matter is modifiable by physical activity: a review study. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 195.	1.0	5

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73	Associations Between Short and Long Bouts of Physical Activity with Executive Function in Older Adults. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2018, 2, 137-145.	0.8	12
74	Physical activity as a model for health neuroscience. <i>Annals of the New York Academy of Sciences</i> , 2018, 1428, 103-111.	1.8	38
75	Neuroimaging, neuromodulation, and population health: the neuroscience of chronic disease prevention. <i>Annals of the New York Academy of Sciences</i> , 2018, 1428, 240-256.	1.8	16
76	Scholastic performance and functional connectivity of brain networks in children. <i>PLoS ONE</i> , 2018, 13, e0190073.	1.1	26
77	Feasibility of a Randomized Controlled Trial to Test the Impact of African Dance on Cognitive Function and Risk of Dementia: the REACT! Study. , 2018, 2, 12-13.		0
78	Physical activity and hippocampal volume in middle-aged patients with type 1 diabetes. <i>Neurology</i> , 2017, 88, 1564-1570.	1.5	3
79	Personalising exercise recommendations for brain health: considerations and future directions. <i>British Journal of Sports Medicine</i> , 2017, 51, 636-639.	3.1	81
80	Physical activity predicts reduced plasma τ amyloid in the Cardiovascular Health Study. <i>Annals of Clinical and Translational Neurology</i> , 2017, 4, 284-291.	1.7	30
81	Habitual exercise levels are associated with cerebral amyloid load in presymptomatic autosomal dominant Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2017, 13, 1197-1206.	0.4	45
82	Subjective-Objective Sleep Discrepancy in Older Adults With MCI and Subsyndromal Depression. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2017, 30, 316-323.	1.2	24
83	Effects of Physical Activity on Poststroke Cognitive Function. <i>Stroke</i> , 2017, 48, 3093-3100.	1.0	118
84	AExaCTT – Aerobic Exercise and Consecutive Task-specific Training for the upper limb after stroke: Protocol for a randomised controlled pilot study. <i>Contemporary Clinical Trials Communications</i> , 2017, 7, 179-185.	0.5	7
85	In Vivo Imaging of Venous Side Cerebral Small-Vessel Disease in Older Adults: An MRI Method at 7T. <i>American Journal of Neuroradiology</i> , 2017, 38, 1923-1928.	1.2	40
86	Exercise effects on depression: Possible neural mechanisms. <i>General Hospital Psychiatry</i> , 2017, 49, 2-10.	1.2	161
87	Task switching in older adults with and without insomnia. <i>Sleep Medicine</i> , 2017, 30, 113-120.	0.8	18
88	Motor sequence learning-induced neural efficiency in functional brain connectivity. <i>Behavioural Brain Research</i> , 2017, 319, 87-95.	1.2	35
89	Hippocampal Response to a 24-Month Physical Activity Intervention in Sedentary Older Adults. <i>American Journal of Geriatric Psychiatry</i> , 2017, 25, 209-217.	0.6	63
90	[03-01-04]: HABITUAL EXERCISE LEVELS ARE ASSOCIATED WITH CEREBRAL AMYLOID LOAD IN PRESYMPTOMATIC AUTOSOMAL DOMINANT ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2017, 13, P894.	0.4	0

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91	Bodyâ€œBrain Connections: The Effects of Obesity and Behavioral Interventions on Neurocognitive Aging. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 115.	1.7	45
92	Mediators of Physical Activity on Neurocognitive Function: A Review at Multiple Levels of Analysis. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 626.	1.0	205
93	Quantifying Differences and Similarities in Whole-Brain White Matter Architecture Using Local Connectome Fingerprints. <i>PLoS Computational Biology</i> , 2016, 12, e1005203.	1.5	118
94	The Effect of Decreased Audibility on MMSE Performance: A Measure Commonly Used for Diagnosing Dementia. <i>Journal of the American Academy of Audiology</i> , 2016, 27, 311-323.	0.4	81
95	Aerobic fitness is associated with greater hippocampal cerebral blood flow in children. <i>Developmental Cognitive Neuroscience</i> , 2016, 20, 52-58.	1.9	72
96	Brain and White Matter Hyperintensity Volumes After 10 Years of Random Assignment to Lifestyle Intervention. <i>Diabetes Care</i> , 2016, 39, 764-771.	4.3	79
97	Rhythm experience and Africana culture trial (REACT!): A culturally salient intervention to promote neurocognitive health, mood, and well-being in older African Americans. <i>Contemporary Clinical Trials</i> , 2016, 48, 41-45.	0.8	12
98	Relative differences in resting-state brain connectivity associated with long term intensive lifestyle intervention. <i>Psychoneuroendocrinology</i> , 2016, 74, 231-239.	1.3	6
99	Exercise Mode Moderates the Relationship Between Mobility and Basal Ganglia Volume in Healthy Older Adults. <i>Journal of the American Geriatrics Society</i> , 2016, 64, 102-108.	1.3	13
100	The sexual dimorphic association of cardiorespiratory fitness to working memory in children. <i>Developmental Science</i> , 2016, 19, 90-108.	1.3	45
101	Alterations in emotion generation and regulation neurocircuitry in depression and eating disorders: A comparative review of structural and functional neuroimaging studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 68, 911-927.	2.9	41
102	Longitudinal Relationships between Caloric Expenditure and Gray Matter in the Cardiovascular Health Study. <i>Journal of Alzheimer's Disease</i> , 2016, 52, 719-729.	1.2	21
103	Promoting brain health through exercise and diet in older adults: a physiological perspective. <i>Journal of Physiology</i> , 2016, 594, 4485-4498.	1.3	77
104	Design and Implementation of an Intervention Development Study: Retaining Cognition While Avoiding Late-Life Depression (ReCALL). <i>American Journal of Geriatric Psychiatry</i> , 2016, 24, 444-454.	0.6	14
105	White matter microstructure mediates the relationship between cardiorespiratory fitness and spatial working memory in older adults. <i>NeuroImage</i> , 2016, 131, 91-101.	2.1	110
106	Education mitigates ageâ€œrelated decline in Nâ€œAcetylaspartate levels. <i>Brain and Behavior</i> , 2015, 5, e00311.	1.0	5
107	Blood pressure interacts with APOE Î¼4 to predict memory performance in a midlife sample.. <i>Neuropsychology</i> , 2015, 29, 693-702.	1.0	14
108	Maternal depression in childhood and aggression in young adulthood: evidence for mediation by offspring amygdalaâ€œhippocampal volume ratio. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2015, 56, 1083-1091.	3.1	25

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109	Brain activation during dual-task processing is associated with cardiorespiratory fitness and performance in older adults. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 154.	1.7	52
110	Higher cardiorespiratory fitness levels are associated with greater hippocampal volume in breast cancer survivors. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 465.	1.0	21
111	The Role of Aerobic Fitness in Cortical Thickness and Mathematics Achievement in Preadolescent Children. <i>PLoS ONE</i> , 2015, 10, e0134115.	1.1	83
112	Genetic Risk Score Predicts Late-Life Cognitive Impairment. <i>Journal of Aging Research</i> , 2015, 2015, 1-8.	0.4	13
113	Physical activity, brain, and cognition. <i>Current Opinion in Behavioral Sciences</i> , 2015, 4, 27-32.	2.0	229
114	Comparison of grey matter volume and thickness for analysing cortical changes in chronic schizophrenia: A matter of surface area, grey/white matter intensity contrast, and curvature. <i>Psychiatry Research - Neuroimaging</i> , 2015, 231, 176-183.	0.9	71
115	Objective measures of physical activity, white matter integrity and cognitive status in adults over age 80. <i>Behavioural Brain Research</i> , 2015, 284, 51-57.	1.2	55
116	Brain venular pattern by 7T MRI correlates with memory and haemoglobin in sickle cell anaemia. <i>Psychiatry Research - Neuroimaging</i> , 2015, 233, 18-22.	0.9	23
117	Impact of the Baltimore Experience Corps Trial on cortical and hippocampal volumes. <i>Alzheimer's and Dementia</i> , 2015, 11, 1340-1348.	0.4	103
118	Brain volume and white matter in youth with type 2 diabetes compared to obese and normal weight, non-diabetic peers: A pilot study. <i>International Journal of Developmental Neuroscience</i> , 2015, 46, 88-91.	0.7	28
119	Physical activity, body mass index, and brain atrophy in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015, 36, S194-S202.	1.5	59
120	Aerobic fitness is associated with greater white matter integrity in children. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 584.	1.0	150
121	Concurrent and Longitudinal Relationships Between Cognitive Activity, Cognitive Performance, and Brain Volume in Older Adult Women. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2014, 69, 826-836.	2.4	21
122	Health Neuroscience. <i>Current Directions in Psychological Science</i> , 2014, 23, 446-453.	2.8	50
123	BDNF mediates improvements in executive function following a 1-year exercise intervention. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 985.	1.0	214
124	Physical activity, fitness, and gray matter volume. <i>Neurobiology of Aging</i> , 2014, 35, S20-S28.	1.5	450
125	The BDNF Val66Met polymorphism does not moderate the effect of self-reported physical activity on depressive symptoms in midlife. <i>Psychiatry Research</i> , 2014, 218, 93-97.	1.7	21
126	Brain-derived neurotrophic factor levels in late-life depression and comorbid mild cognitive impairment: A longitudinal study. <i>Journal of Psychiatric Research</i> , 2014, 49, 96-101.	1.5	64

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127	An investigation of fMRI time series stationarity during motor sequence learning foot tapping tasks. <i>Journal of Neuroscience Methods</i> , 2014, 227, 75-82.	1.3	9
128	Omega-3 fatty acids moderate effects of physical activity on cognitive function. <i>Neuropsychologia</i> , 2014, 59, 103-111.	0.7	21
129	Exercise is medicine, for the body and the brain. <i>British Journal of Sports Medicine</i> , 2014, 48, 943-944.	3.1	68
130	Cardiorespiratory fitness and brain diffusion tensor imaging in adults over 80 years of age. <i>Brain Research</i> , 2014, 1588, 63-72.	1.1	32
131	Physical Activity Predicts Microstructural Integrity in Memory-Related Networks in Very Old Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 1284-1290.	1.7	54
132	Regular Fish Consumption and Age-Related Brain Gray Matter Loss. <i>American Journal of Preventive Medicine</i> , 2014, 47, 444-451.	1.6	82
133	Functional MR imaging of a simulated balance task. <i>Brain Research</i> , 2014, 1555, 20-27.	1.1	45
134	Dietary and lifestyle guidelines for the prevention of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2014, 35, S74-S78.	1.5	251
135	Cardiovascular risks and brain function: a functional magnetic resonance imaging study of executive function in older adults. <i>Neurobiology of Aging</i> , 2014, 35, 1396-1403.	1.5	51
136	Neurobiological markers of exercise-related brain plasticity in older adults. <i>Brain, Behavior, and Immunity</i> , 2013, 28, 90-99.	2.0	333
137	Therapeutic Effects of Exercise on Cognitive Function. <i>Journal of the American Geriatrics Society</i> , 2013, 61, 2038-2039.	1.3	9
138	The Brain-Derived Neurotrophic Factor Val66Met Polymorphism Moderates an Effect of Physical Activity on Working Memory Performance. <i>Psychological Science</i> , 2013, 24, 1770-1779.	1.8	110
139	A Review of the Effects of Physical Activity and Exercise on Cognitive and Brain Functions in Older Adults. <i>Journal of Aging Research</i> , 2013, 2013, 1-8.	0.4	511
140	Physical activity and brain plasticity in late adulthood. <i>Dialogues in Clinical Neuroscience</i> , 2013, 15, 99-108.	1.8	182
141	Potential Moderators of Physical Activity on Brain Health. <i>Journal of Aging Research</i> , 2012, 2012, 1-14.	0.4	32
142	The Aging Hippocampus. <i>Neuroscientist</i> , 2012, 18, 82-97.	2.6	393
143	Physical Activity, Brain Plasticity, and Alzheimer's Disease. <i>Archives of Medical Research</i> , 2012, 43, 615-621.	1.5	204
144	The association between aerobic fitness and executive function is mediated by prefrontal cortex volume. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 811-819.	2.0	276

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145	Estrogens, hormone therapy, and hippocampal volume in postmenopausal women. <i>Maturitas</i> , 2012, 73, 186-190.	1.0	35
146	Exercise training increases size of hippocampus and improves memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3017-3022.	3.3	3,427
147	Plasticity of brain networks in a randomized intervention trial of exercise training in older adults. <i>Frontiers in Aging Neuroscience</i> , 2010, 2, .	1.7	444
148	A cross-sectional study of hormone treatment and hippocampal volume in postmenopausal women: Evidence for a limited window of opportunity.. <i>Neuropsychology</i> , 2010, 24, 68-76.	1.0	37
149	Functional connectivity: A source of variance in the association between cardiorespiratory fitness and cognition?. <i>Neuropsychologia</i> , 2010, 48, 1394-1406.	0.7	221
150	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
151	Striatal Volume Predicts Level of Video Game Skill Acquisition. <i>Cerebral Cortex</i> , 2010, 20, 2522-2530.	1.6	123
152	Brain-Derived Neurotrophic Factor Is Associated with Age-Related Decline in Hippocampal Volume. <i>Journal of Neuroscience</i> , 2010, 30, 5368-5375.	1.7	462
153	Basal Ganglia Volume Is Associated with Aerobic Fitness in Preadolescent Children. <i>Developmental Neuroscience</i> , 2010, 32, 249-256.	1.0	270
154	Aerobic fitness is associated with hippocampal volume in elderly humans. <i>Hippocampus</i> , 2009, 19, 1030-1039.	0.9	820
155	Be smart, exercise your heart: exercise effects on brain and cognition. <i>Nature Reviews Neuroscience</i> , 2008, 9, 58-65.	4.9	2,521
156	Capitalizing on cortical plasticity: influence of physical activity on cognition and brain function. <i>Trends in Cognitive Sciences</i> , 2007, 11, 342-348.	4.0	575
157	Interactive effects of fitness and hormone treatment on brain health in postmenopausal women. <i>Neurobiology of Aging</i> , 2007, 28, 179-185.	1.5	128
158	Selective sparing of brain tissue in postmenopausal women receiving hormone replacement therapy. <i>Neurobiology of Aging</i> , 2005, 26, 1205-1213.	1.5	102
159	Cardiovascular fitness, cortical plasticity, and aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3316-3321.	3.3	1,378