

J Carson Smith

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,424
citations

201575

27
h-index

223716

46
g-index

71
all docs

71
docs citations

71
times ranked

3795
citing authors

#	ARTICLE	IF	CITATIONS
1	The Mental Health Benefits of Physical Activity in Older Adults Survive the COVID-19 Pandemic. <i>American Journal of Geriatric Psychiatry</i> , 2020, 28, 1046-1057.	0.6	216
2	Both Predator and Prey. <i>Psychological Science</i> , 2008, 19, 865-873.	1.8	172
3	State anxiety and affective physiology: effects of sustained exposure to affective pictures. <i>Biological Psychology</i> , 2005, 69, 247-260.	1.1	127
4	Semantic Memory Functional MRI and Cognitive Function after Exercise Intervention in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2013, 37, 197-215.	1.2	121
5	Exercise Training and Functional Connectivity Changes in Mild Cognitive Impairment and Healthy Elders. <i>Journal of Alzheimer's Disease</i> , 2017, 57, 845-856.	1.2	114
6	Physical activity reduces hippocampal atrophy in elders at genetic risk for Alzheimer's disease. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 61.	1.7	110
7	Interactive effects of physical activity and APOE- ϵ 4 on BOLD semantic memory activation in healthy elders. <i>NeuroImage</i> , 2011, 54, 635-644.	2.1	100
8	Detecting changes in human cerebral blood flow after acute exercise using arterial spin labeling: Implications for fMRI. <i>Journal of Neuroscience Methods</i> , 2010, 191, 258-262.	1.3	76
9	Improved Cardiorespiratory Fitness Is Associated with Increased Cortical Thickness in Mild Cognitive Impairment. <i>Journal of the International Neuropsychological Society</i> , 2015, 21, 757-767.	1.2	74
10	Resting Cerebral Blood Flow After Exercise Training in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2019, 67, 671-684.	1.2	71
11	Lifestyle and Genetic Contributions to Cognitive Decline and Hippocampal Structure and Function in Healthy Aging. <i>Current Alzheimer Research</i> , 2012, 9, 436-446.	0.7	69
12	Prediction of Cognitive Decline in Healthy Older Adults using fMRI. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 871-885.	1.2	62
13	Electrocortical and electrodermal responses covary as a function of emotional arousal: A single-trial analysis. <i>Psychophysiology</i> , 2008, 45, 516-523.	1.2	60
14	Physical Activity and Brain Function in Older Adults at Increased Risk for Alzheimer's Disease. <i>Brain Sciences</i> , 2013, 3, 54-83.	1.1	52
15	Effects of Emotional Exposure on State Anxiety after Acute Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 372-378.	0.2	45
16	Hippocampal and Cerebral Blood Flow after Exercise Cessation in Master Athletes. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 184.	1.7	44
17	Evidence for exercise-related plasticity in functional and structural neural network connectivity. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 131, 923-940.	2.9	42
18	Five-Year Longitudinal Brain Volume Change in Healthy Elders at Genetic Risk for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016, 55, 1363-1377.	1.2	41

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19	Interactive effects of physical activity and APOE- ϵ 4 on white matter tract diffusivity in healthy elders. <i>NeuroImage</i> , 2016, 131, 102-112.	2.1	41
20	Genetic risk for Alzheimer's disease alters the five-year trajectory of semantic memory activation in cognitively intact elders. <i>NeuroImage</i> , 2015, 111, 136-146.	2.1	39
21	Tagging cortical networks in emotion: A topographical analysis. <i>Human Brain Mapping</i> , 2012, 33, 2920-2931.	1.9	38
22	Predictors of Optimal Cognitive Aging in 80+ Women: The Women's Health Initiative Memory Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, S62-S71.	1.7	37
23	Emotional & electroencephalographic responses during affective picture viewing after exercise. <i>Physiology and Behavior</i> , 2007, 90, 394-404.	1.0	36
24	Semantic Memory Activation After Acute Exercise in Healthy Older Adults. <i>Journal of the International Neuropsychological Society</i> , 2019, 25, 557-568.	1.2	32
25	Emotional responsiveness after low- and moderate-intensity exercise and seated rest. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 1158-1167.	0.2	31
26	Rapid picture presentation and affective engagement.. <i>Emotion</i> , 2006, 6, 208-214.	1.5	31
27	Functional magnetic resonance imaging of semantic memory as a presymptomatic biomarker of Alzheimer's disease risk. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 442-456.	1.8	31
28	Measures of Physical Ability Are Unrelated to Objectively Measured Physical Activity Behavior in Older Adults Residing in Continuing Care Retirement Communities. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009, 90, 982-986.	0.5	29
29	Effects of sleep extension on cognitive/motor performance and motivation in military tactical athletes. <i>Sleep Medicine</i> , 2019, 58, 48-55.	0.8	27
30	Attentional bias to emotional stimuli is altered during moderate- but not high-intensity exercise.. <i>Emotion</i> , 2011, 11, 1415-1424.	1.5	25
31	Diffusion Tensor Imaging Predictors of Episodic Memory Decline in Healthy Elders at Genetic Risk for Alzheimer's Disease. <i>Journal of the International Neuropsychological Society</i> , 2016, 22, 1005-1015.	1.2	23
32	Does physical activity influence semantic memory activation in amnesic mild cognitive impairment?. <i>Psychiatry Research - Neuroimaging</i> , 2011, 193, 60-62.	0.9	21
33	Comparison of Semantic and Episodic Memory BOLD fMRI Activation in Predicting Cognitive Decline in Older Adults. <i>Journal of the International Neuropsychological Society</i> , 2013, 19, 11-21.	1.2	21
34	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
35	Influence of manipulated category knowledge on prototype classification and recognition. <i>Memory and Cognition</i> , 1993, 21, 529-538.	0.9	20
36	Physical activity does not disturb the measurement of startle and corrugator responses during affective picture viewing. <i>Biological Psychology</i> , 2003, 63, 293-310.	1.1	20

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37	Caudate Volume Mediates the Interaction between Total Sleep Time and Executive Function after Acute Exercise in Healthy Older Adults. <i>Brain Plasticity</i> , 2019, 5, 69-82.	1.9	20
38	Are Optimism and Cynical Hostility Associated with Smoking Cessation in Older Women?. <i>Annals of Behavioral Medicine</i> , 2017, 51, 500-510.	1.7	19
39	Brain activation during executive control after acute exercise in older adults. <i>International Journal of Psychophysiology</i> , 2019, 146, 240-248.	0.5	19
40	Changes in cerebral perfusion following a 12-month exercise and diet intervention. <i>Psychophysiology</i> , 2021, 58, e13589.	1.2	19
41	Sleep health and its association with performance and motivation in tactical athletes enrolled in the Reserve Officers' Training Corps. <i>Sleep Health</i> , 2019, 5, 309-314.	1.3	17
42	Recognition of famous names predicts cognitive decline in healthy elders.. <i>Neuropsychology</i> , 2013, 27, 333-342.	1.0	16
43	Executive Function and the P300 after Treadmill Exercise and Futsal in College Soccer Players. <i>Sports</i> , 2017, 5, 73.	0.7	16
44	Impact of exercise on older adults' mood is moderated by sleep and mediated by altered brain connectivity. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 1238-1251.	1.5	14
45	Association Between Greater Cerebellar Network Connectivity and Improved Phonemic Fluency Performance After Exercise Training in Older Adults. <i>Cerebellum</i> , 2021, 20, 542-555.	1.4	14
46	Exercise Training-Related Changes in Cortical Gray Matter Diffusivity and Cognitive Function in Mild Cognitive Impairment and Healthy Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 645258.	1.7	14
47	Hippocampal Functional Connectivity and Memory Performance After Exercise Intervention in Older Adults with Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 1015-1031.	1.2	14
48	Visual threat detection during moderate- and high-intensity exercise.. <i>Emotion</i> , 2011, 11, 572-581.	1.5	13
49	Differential 5-year brain atrophy rates in cognitively declining and stable APOE- ϵ 4 elders.. <i>Neuropsychology</i> , 2018, 32, 647-653.	1.0	12
50	Microstructural Plasticity in the Hippocampus of Healthy Older Adults after Acute Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 1928-1936.	0.2	10
51	Performance variability during a multitrial list-learning task as a predictor of future cognitive decline in healthy elders. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2014, 36, 236-243.	0.8	9
52	A single bout of hard RPE-based cycling exercise increases salivary alpha-amylase. <i>Physiology and Behavior</i> , 2019, 208, 112555.	1.0	9
53	The influence of sport goggles on visual target detection in female intercollegiate athletes. <i>Journal of Sports Sciences</i> , 2015, 33, 1117-1123.	1.0	8
54	Forward-focused coping predicts better mental health outcomes in mid- to late-life during the COVID-19 pandemic. <i>Aging and Mental Health</i> , 2022, 26, 554-562.	1.5	8

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55	Motor timing intraindividual variability in amnesic mild cognitive impairment and cognitively intact elders at genetic risk for Alzheimer's disease. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2017, 39, 866-875.	0.8	7
56	Episodic Memory and Hippocampal Volume Predict 5-Year Mild Cognitive Impairment Conversion in Healthy Apolipoprotein μ 4 Carriers. <i>Journal of the International Neuropsychological Society</i> , 2020, 26, 733-738.	1.2	7
57	The contributions of self-efficacy, trait anxiety, and fear of falling to physical activity behavior among residents of continuing care retirement communities. <i>Ageing Research</i> , 2010, 1, 4.	0.8	6
58	Label-free X-ray estimation of brain amyloid burden. <i>Scientific Reports</i> , 2020, 10, 20505.	1.6	5
59	Five-Year Change in Body Mass Index Predicts Conversion to Mild Cognitive Impairment or Dementia Only in APOE ϵ 4 Allele Carriers. <i>Journal of Alzheimer's Disease</i> , 2021, 81, 189-199.	1.2	5
60	Introduction to the <i>JINS</i> Special Issue: Physical Activity and Brain Plasticity. <i>Journal of the International Neuropsychological Society</i> , 2015, 21, 743-744.	1.2	4
61	The relationship between traffic-related air pollution exposures and allostatic load score among youth with type 1 diabetes in the SEARCH cohort. <i>Environmental Research</i> , 2021, 197, 111075.	3.7	4
62	Neurite dispersion and density mediates the relationship between cardiorespiratory fitness and cognition in healthy younger adults. <i>Neuropsychologia</i> , 2022, 169, 108207.	0.7	4
63	Greater Semantic Memory Activation After Exercise Training Cessation in Older Endurance-Trained Athletes. <i>Journal of Aging and Physical Activity</i> , 2021, 29, 250-258.	0.5	3
64	Differential associations of regional cerebellar volume with gait speed and working memory. <i>Scientific Reports</i> , 2022, 12, 2355.	1.6	2
65	Mean arterial pressure, fitness, and executive function in middle age and older adults. <i>Cerebral Circulation - Cognition and Behavior</i> , 2022, 3, 100135.	0.4	2
66	Subjective Well-Being and Bilateral Anterior Insula Functional Connectivity After Exercise Intervention in Older Adults With Mild Cognitive Impairment. <i>Frontiers in Neuroscience</i> , 2022, 16, .	1.4	2
67	Methodology inPsychophysiologicalStudies: Applications inPhysicalActivity. <i>International Journal of Sport and Exercise Psychology</i> , 2005, 3, 534-553.	1.1	1
68	Blood pressure-related differences in brain health between young African Americans and Caucasian Americans. <i>Physiological Reports</i> , 2021, 9, e14819.	0.7	1
69	Relationships Between Self-Efficacy and Physical Activity Behavior Among Elders in an Assisted Living Environment. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S468.	0.2	1
70	Electromyographic indices of neuromuscular reflexes. <i>International Journal of Sport and Exercise Psychology</i> , 2005, 3, 322-337.	1.1	0