

Laura Chaddock

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

6,886
citations

23
h-index

24
g-index

24
ext. papers

7,891
ext. citations

4.5
avg, IF

4.96
L-index

#	Paper	IF	Citations
24	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, 3017-22	11.5	2627
23	Aerobic fitness is associated with hippocampal volume in elderly humans. <i>Hippocampus</i> , 2009 , 19, 1030-9	9.5	693
22	A neuroimaging investigation of the association between aerobic fitness, hippocampal volume, and memory performance in preadolescent children. <i>Brain Research</i> , 2010 , 1358, 172-83	3.7	410
21	Brain-derived neurotrophic factor is associated with age-related decline in hippocampal volume. <i>Journal of Neuroscience</i> , 2010 , 30, 5368-75	6.6	352
20	The influence of aerobic fitness on cerebral white matter integrity and cognitive function in older adults: results of a one-year exercise intervention. <i>Human Brain Mapping</i> , 2013 , 34, 2972-85	5.9	345
19	Plasticity of brain networks in a randomized intervention trial of exercise training in older adults. <i>Frontiers in Aging Neuroscience</i> , 2010 , 2,	5.3	343
18	Neurobiological markers of exercise-related brain plasticity in older adults. <i>Brain, Behavior, and Immunity</i> , 2013 , 28, 90-9	16.6	266
17	Cardiorespiratory fitness and the flexible modulation of cognitive control in preadolescent children. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 1332-45	3.1	218
16	Basal ganglia volume is associated with aerobic fitness in preadolescent children. <i>Developmental Neuroscience</i> , 2010 , 32, 249-56	2.2	214
15	The association between aerobic fitness and executive function is mediated by prefrontal cortex volume. <i>Brain, Behavior, and Immunity</i> , 2012 , 26, 811-9	16.6	205
14	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, 975-85	3.1	188
13	Functional connectivity: a source of variance in the association between cardiorespiratory fitness and cognition?. <i>Neuropsychologia</i> , 2010 , 48, 1394-406	3.2	178
12	A functional MRI investigation of the association between childhood aerobic fitness and neurocognitive control. <i>Biological Psychology</i> , 2012 , 89, 260-8	3.2	125
11	Aerobic fitness and executive control of relational memory in preadolescent children. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 344-9	1.2	121
10	Childhood aerobic fitness predicts cognitive performance one year later. <i>Journal of Sports Sciences</i> , 2012 , 30, 421-30	3.6	110
9	Cardiorespiratory fitness and attentional control in the aging brain. <i>Frontiers in Human Neuroscience</i> , 2011 , 4, 229	3.3	104
8	Dedifferentiation in the visual cortex: an fMRI investigation of individual differences in older adults. <i>Brain Research</i> , 2008 , 1244, 121-31	3.7	83

7	Beyond vascularization: aerobic fitness is associated with N-acetylaspartate and working memory. <i>Brain and Behavior</i> , 2012 , 2, 32-41	3.4	78
6	Caudate Nucleus Volume Mediates the Link between Cardiorespiratory Fitness and Cognitive Flexibility in Older Adults. <i>Journal of Aging Research</i> , 2012 , 2012, 939285	2.3	63
5	Aerobic fitness and response variability in preadolescent children performing a cognitive control task. <i>Neuropsychology</i> , 2011 , 25, 333-41	3.8	53
4	Do athletes excel at everyday tasks?. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 1920-6	1.2	37
3	Role of childhood aerobic fitness in successful street crossing. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 749-53	1.2	30
2	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	3.8	30
1	Physical Activity and Fitness Effects on Cognition and Brain Health in Children and Older Adults. <i>Kinesiology Review</i> , 2012 , 1, 37-45	2	13