

# Arthur F Kramer

## List of Publications by Citations

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484  
papers

46,124  
citations

105  
h-index

205  
g-index

509  
ext. papers

51,891  
ext. citations

4.3  
avg, IF

7.51  
L-index

#	Paper	IF	Citations
484	Fitness effects on the cognitive function of older adults: a meta-analytic study. <i>Psychological Science</i> , <b>2003</b> , 14, 125-30	7.9	2647
483	Exercise training increases size of hippocampus and improves memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 3017-22	11.5	2627
482	Be smart, exercise your heart: exercise effects on brain and cognition. <i>Nature Reviews Neuroscience</i> , <b>2008</b> , 9, 58-65	13.5	1982
481	Aerobic exercise training increases brain volume in aging humans. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2006</b> , 61, 1166-70	6.4	1295
480	Cardiovascular fitness, cortical plasticity, and aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 3316-21	11.5	1151
479	Ageing, fitness and neurocognitive function. <i>Nature</i> , <b>1999</b> , 400, 418-9	50.4	1013
478	Enrichment Effects on Adult Cognitive Development: Can the Functional Capacity of Older Adults Be Preserved and Enhanced?. <i>Psychological Science in the Public Interest: A Journal of the American Psychological Society</i> , <b>2008</b> , 9, 1-65	18.6	817
477	Aerobic fitness is associated with hippocampal volume in elderly humans. <i>Hippocampus</i> , <b>2009</b> , 19, 1030-9	9.5	693
476	Harnessing neuroplasticity for clinical applications. <i>Brain</i> , <b>2011</b> , 134, 1591-609	11.2	685
475	Aerobic fitness reduces brain tissue loss in aging humans. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2003</b> , 58, 176-80	6.4	628
474	Neurobiology of exercise. <i>Obesity</i> , <b>2006</b> , 14, 345-56	8	585
473	Can training in a real-time strategy video game attenuate cognitive decline in older adults?. <i>Psychology and Aging</i> , <b>2008</b> , 23, 765-77	3.6	568
472	Bridging animal and human models of exercise-induced brain plasticity. <i>Trends in Cognitive Sciences</i> , <b>2013</b> , 17, 525-44	14	567
471	Our Eyes do Not Always Go Where we Want Them to Go: Capture of the Eyes by New Objects. <i>Psychological Science</i> , <b>1998</b> , 9, 379-385	7.9	565
470	The effects of video game playing on attention, memory, and executive control. <i>Acta Psychologica</i> , <b>2008</b> , 129, 387-98	1.7	564
469	Performance of concurrent tasks: a psychophysiological analysis of the reciprocity of information-processing resources. <i>Science</i> , <b>1983</b> , 221, 1080-2	33.3	556
468	Aging and inhibition: Beyond a unitary view of inhibitory processing in attention.. <i>Psychology and Aging</i> , <b>1994</b> , 9, 491-512	3.6	522

467	Exercise, cognition, and the aging brain. <i>Journal of Applied Physiology</i> , <b>2006</b> , 101, 1237-42	3.7	492
466	Capitalizing on cortical plasticity: influence of physical activity on cognition and brain function. <i>Trends in Cognitive Sciences</i> , <b>2007</b> , 11, 342-8	14	482
465	The effect of acute treadmill walking on cognitive control and academic achievement in preadolescent children. <i>Neuroscience</i> , <b>2009</b> , 159, 1044-54	3.9	463
464	The relative involvement of anterior cingulate and prefrontal cortex in attentional control depends on nature of conflict. <i>Cognitive Brain Research</i> , <b>2001</b> , 12, 467-73		415
463	A neuroimaging investigation of the association between aerobic fitness, hippocampal volume, and memory performance in preadolescent children. <i>Brain Research</i> , <b>2010</b> , 1358, 172-83	3.7	410
462	Attentional control in the aging brain: insights from an fMRI study of the stroop task. <i>Brain and Cognition</i> , <b>2002</b> , 49, 277-96	2.7	410
461	Changes in executive control across the life span: Examination of task-switching performance.. <i>Developmental Psychology</i> , <b>2001</b> , 37, 715-730	3.7	409
460	Exercise, experience and the aging brain. <i>Neurobiology of Aging</i> , <b>2002</b> , 23, 941-55	5.6	397
459	Brain-derived neurotrophic factor is associated with age-related decline in hippocampal volume. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 5368-75	6.6	352
458	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> , <b>2013</b> , 34, 2972-85	5.9	345
457	Plasticity of brain networks in a randomized intervention trial of exercise training in older adults. <i>Frontiers in Aging Neuroscience</i> , <b>2010</b> , 2,	5.3	343
456	Environmental influences on cognitive and brain plasticity during aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2004</b> , 59, M940-57	6.4	317
455	fMRI studies of Stroop tasks reveal unique roles of anterior and posterior brain systems in attentional selection. <i>Journal of Cognitive Neuroscience</i> , <b>2000</b> , 12, 988-1000	3.1	316
454	Task coordination and aging: explorations of executive control processes in the task switching paradigm. <i>Acta Psychologica</i> , <b>1999</b> , 101, 339-78	1.7	314
453	Exercise, brain, and cognition across the life span. <i>Journal of Applied Physiology</i> , <b>2011</b> , 111, 1505-13	3.7	311
452	Perceptual organization and focused attention: the role of objects and proximity in visual processing. <i>Perception &amp; Psychophysics</i> , <b>1991</b> , 50, 267-84		306
451	Visual search has memory. <i>Psychological Science</i> , <b>2001</b> , 12, 287-92	7.9	286
450	Aerobic exercise effects on cognitive and neural plasticity in older adults. <i>British Journal of Sports Medicine</i> , <b>2009</b> , 43, 22-4	10.3	276

449	Exergaming and older adult cognition: a cluster randomized clinical trial. <i>American Journal of Preventive Medicine</i> , <b>2012</b> , 42, 109-19	6.1	274
448	Neurobiological markers of exercise-related brain plasticity in older adults. <i>Brain, Behavior, and Immunity</i> , <b>2013</b> , 28, 90-9	16.6	266
447	Are expert athletes 'expert' in the cognitive laboratory? A meta-analytic review of cognition and sport expertise. <i>Applied Cognitive Psychology</i> , <b>2010</b> , 24, 812-826	2.1	265
446	Social relations, physical activity, and well-being in older adults. <i>Preventive Medicine</i> , <b>2000</b> , 31, 608-17	4.3	255
445	Prefrontal regions play a predominant role in imposing an attentional 'set': evidence from fMRI. <i>Cognitive Brain Research</i> , <b>2000</b> , 10, 1-9		253
444	The Mental Activity and eXercise (MAX) trial: a randomized controlled trial to enhance cognitive function in older adults. <i>JAMA Internal Medicine</i> , <b>2013</b> , 173, 797-804	11.5	240
443	Assessing the development of automatic processing: an application of dual-task and event-related brain potential methodologies. <i>Biological Psychology</i> , <b>1988</b> , 26, 231-67	3.2	226
442	Influence of attentional capture on oculomotor control.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>1999</b> , 25, 1595-1608	2.6	222
441	Training for attentional control in dual task settings: A comparison of young and old adults.. <i>Journal of Experimental Psychology: Applied</i> , <b>1995</b> , 1, 50-76	1.8	221
440	Cardiorespiratory fitness and the flexible modulation of cognitive control in preadolescent children. <i>Journal of Cognitive Neuroscience</i> , <b>2011</b> , 23, 1332-45	3.1	218
439	Basal ganglia volume is associated with aerobic fitness in preadolescent children. <i>Developmental Neuroscience</i> , <b>2010</b> , 32, 249-56	2.2	214
438	Training effects on dual-task performance: are there age-related differences in plasticity of attentional control?. <i>Psychology and Aging</i> , <b>2005</b> , 20, 695-709	3.6	212
437	The association between aerobic fitness and executive function is mediated by prefrontal cortex volume. <i>Brain, Behavior, and Immunity</i> , <b>2012</b> , 26, 811-9	16.6	205
436	Training-induced functional activation changes in dual-task processing: an fMRI study. <i>Cerebral Cortex</i> , <b>2007</b> , 17, 192-204	5.1	200
435	Physical activity and cognitive vitality. <i>Annual Review of Psychology</i> , <b>2015</b> , 66, 769-97	26.1	195
434	General and task-specific frontal lobe recruitment in older adults during executive processes: a fMRI investigation of task-switching. <i>NeuroReport</i> , <b>2001</b> , 12, 2065-71	1.7	194
433	Aging, exercise, and attention.. <i>Psychology and Aging</i> , <b>1992</b> , 7, 643-653	3.6	193
432	The implications of cortical recruitment and brain morphology for individual differences in inhibitory function in aging humans. <i>Psychology and Aging</i> , <b>2005</b> , 20, 363-75	3.6	192

431	Resource reciprocity: an event-related brain potentials analysis. <i>Acta Psychologica</i> , <b>1989</b> , 70, 77-97	1.7	190
430	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> , <b>2011</b> , 17, 975-85	3.1	188
429	Object-based visual selective attention and perceptual organization. <i>Perception &amp; Psychophysics</i> , <b>1999</b> , 61, 31-49		187
428	Transfer effects in task-set cost and dual-task cost after dual-task training in older and younger adults: further evidence for cognitive plasticity in attentional control in late adulthood. <i>Experimental Aging Research</i> , <b>2008</b> , 34, 188-219	1.7	183
427	Achieving and maintaining cognitive vitality with aging. <i>Mayo Clinic Proceedings</i> , <b>2002</b> , 77, 681-96	6.4	183
426	Training-induced plasticity in older adults: effects of training on hemispheric asymmetry. <i>Neurobiology of Aging</i> , <b>2007</b> , 28, 272-83	5.6	182
425	Functional connectivity: a source of variance in the association between cardiorespiratory fitness and cognition?. <i>Neuropsychologia</i> , <b>2010</b> , 48, 1394-406	3.2	178
424	Evidence for neurocognitive plasticity in at-risk older adults: the experience corps program. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2009</b> , 64, 1275-82	6.4	168
423	Age-related differences in regional brain volumes: a comparison of optimized voxel-based morphometry to manual volumetry. <i>Neurobiology of Aging</i> , <b>2009</b> , 30, 1657-76	5.6	168
422	Fitness, aging and neurocognitive function. <i>Neurobiology of Aging</i> , <b>2005</b> , 26 Suppl 1, 124-7	5.6	164
421	Event related potentials and EEG components in a semantic memory search task. <i>Psychophysiology</i> , <b>1992</b> , 29, 104-19	4.1	161
420	Splitting the Beam: Distribution of Attention Over Noncontiguous Regions of the Visual Field. <i>Psychological Science</i> , <b>1995</b> , 6, 381-386	7.9	155
419	Aerobic fitness is associated with gray matter volume and white matter integrity in multiple sclerosis. <i>Brain Research</i> , <b>2010</b> , 1341, 41-51	3.7	152
418	BDNF mediates improvements in executive function following a 1-year exercise intervention. <i>Frontiers in Human Neuroscience</i> , <b>2014</b> , 8, 985	3.3	151
417	The effects of practice and task structure on components of the event-related brain potential. <i>Psychophysiology</i> , <b>1986</b> , 23, 33-47	4.1	151
416	Cognitive impairments in relapsing-remitting multiple sclerosis: a meta-analysis. <i>Multiple Sclerosis Journal</i> , <b>2008</b> , 14, 1250-61	5	147
415	Attentional and oculomotor capture by onset, luminance and color singletons. <i>Vision Research</i> , <b>2000</b> , 40, 1443-58	2.1	146
414	An analysis of the processing requirements of a complex perceptual-motor task. <i>Human Factors</i> , <b>1983</b> , 25, 597-621	3.8	146

413	Phase I/II randomized trial of aerobic exercise in Parkinson disease in a community setting. <i>Neurology</i> , <b>2014</b> , 83, 413-25	6.5	145
412	Neurovascular coupling in normal aging: a combined optical, ERP and fMRI study. <i>NeuroImage</i> , <b>2014</b> , 85 Pt 1, 592-607	7.9	145
411	Pedestrians, vehicles, and cell phones. <i>Accident Analysis and Prevention</i> , <b>2010</b> , 42, 589-94	6.1	145
410	Task switching and attention deficit hyperactivity disorder. <i>Journal of Abnormal Child Psychology</i> , <b>2000</b> , 28, 213-26	4	143
409	Physical activity, brain, and cognition. <i>Current Opinion in Behavioral Sciences</i> , <b>2015</b> , 4, 27-32	4	142
408	Processing of stimulus properties: Evidence for dual-task integrality.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>1985</b> , 11, 393-408	2.6	140
407	Cardiovascular fitness and neurocognitive function in older adults: a brief review. <i>Brain, Behavior, and Immunity</i> , <b>2004</b> , 18, 214-20	16.6	139
406	Self-regulatory processes and exercise adherence in older adults: executive function and self-efficacy effects. <i>American Journal of Preventive Medicine</i> , <b>2011</b> , 41, 284-90	6.1	138
405	A cross-sectional examination of age and physical activity on performance and event-related brain potentials in a task switching paradigm. <i>International Journal of Psychophysiology</i> , <b>2006</b> , 59, 30-9	2.9	138
404	Visual skills in airport-security screening. <i>Psychological Science</i> , <b>2004</b> , 15, 302-6	7.9	138
403	Aerobic fitness is associated with greater efficiency of the network underlying cognitive control in preadolescent children. <i>Neuroscience</i> , <b>2011</b> , 199, 166-76	3.9	137
402	Measuring enjoyment of physical activity in older adults: invariance of the physical activity enjoyment scale (paces) across groups and time. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , <b>2011</b> , 8, 103	8.4	134
401	Neurocognitive aging and cardiovascular fitness: recent findings and future directions. <i>Journal of Molecular Neuroscience</i> , <b>2004</b> , 24, 9-14	3.3	134
400	A psychophysiological assessment of operator workload during simulated flight missions. <i>Human Factors</i> , <b>1987</b> , 29, 145-60	3.8	134
399	The size of an attentional window modulates attentional capture by color singletons. <i>Psychonomic Bulletin and Review</i> , <b>2007</b> , 14, 934-8	4.1	132
398	Physical activity and executive control: implications for increased cognitive health during older adulthood. <i>Research Quarterly for Exercise and Sport</i> , <b>2004</b> , 75, 176-85	1.9	130
397	Attentional guidance of the eyes by contextual information and abrupt onsets. <i>Perception &amp; Psychophysics</i> , <b>2001</b> , 63, 1239-49		127
396	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> , <b>2013</b> , 7, 72	3.3	126

395	How much memory does oculomotor search have?. <i>Psychological Science</i> , <b>2003</b> , 14, 422-6	7.9	126
394	A functional MRI investigation of the association between childhood aerobic fitness and neurocognitive control. <i>Biological Psychology</i> , <b>2012</b> , 89, 260-8	3.2	125
393	Walking and talking: dual-task effects on street crossing behavior in older adults. <i>Psychology and Aging</i> , <b>2011</b> , 26, 260-268	3.6	124
392	Aerobic Exercise Intervention, Cognitive Performance, and Brain Structure: Results from the Physical Influences on Brain in Aging (PHIBRA) Study. <i>Frontiers in Aging Neuroscience</i> , <b>2016</b> , 8, 336	5.3	120
391	Covert shifts of attention precede involuntary eye movements. <i>Perception &amp; Psychophysics</i> , <b>2004</b> , 66, 398-405		120
390	Fitness Effects on the Cognitive Function of Older Adults: A Meta-Analytic Study-Revisited. <i>Perspectives on Psychological Science</i> , <b>2018</b> , 13, 213-217	9.8	119
389	Testing the limits of cognitive plasticity in older adults: application to attentional control. <i>Acta Psychologica</i> , <b>2006</b> , 123, 261-78	1.7	119
388	Assessment of mental workload with task-irrelevant auditory probes. <i>Biological Psychology</i> , <b>1995</b> , 40, 83-100	3.2	119
387	Conversation disrupts change detection in complex traffic scenes. <i>Human Factors</i> , <b>2004</b> , 46, 424-36	3.8	117
386	Aerobic fitness is associated with greater white matter integrity in children. <i>Frontiers in Human Neuroscience</i> , <b>2014</b> , 8, 584	3.3	114
385	Interactive effects of fitness and hormone treatment on brain health in postmenopausal women. <i>Neurobiology of Aging</i> , <b>2007</b> , 28, 179-85	5.6	114
384	Brain potentials as indices of orthographic and phonological interaction during word matching.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , <b>1987</b> , 13, 76-86	2.2	113
383	Fitness, but not physical activity, is related to functional integrity of brain networks associated with aging. <i>NeuroImage</i> , <b>2016</b> , 131, 113-25	7.9	110
382	Childhood aerobic fitness predicts cognitive performance one year later. <i>Journal of Sports Sciences</i> , <b>2012</b> , 30, 421-30	3.6	110
381	Participatory arts for older adults: a review of benefits and challenges. <i>Gerontologist, The</i> , <b>2014</b> , 54, 741-53		106
380	Striatal volume predicts level of video game skill acquisition. <i>Cerebral Cortex</i> , <b>2010</b> , 20, 2522-30	5.1	106
379	Physical activity and cardiorespiratory fitness are beneficial for white matter in low-fit older adults. <i>PLoS ONE</i> , <b>2014</b> , 9, e107413	3.7	105
378	Cardiorespiratory fitness and attentional control in the aging brain. <i>Frontiers in Human Neuroscience</i> , <b>2011</b> , 4, 229	3.3	104



377	Enhancing the Cognitive Vitality of Older Adults. <i>Current Directions in Psychological Science</i> , <b>2002</b> , 11, 173-177	6.5	99
376	Neuroanatomical correlates of aging, cardiopulmonary fitness level, and education. <i>Psychophysiology</i> , <b>2008</b> , 45, 825-38	4.1	97
375	Genetic contributions to age-related decline in executive function: a 10-year longitudinal study of COMT and BDNF polymorphisms. <i>Frontiers in Human Neuroscience</i> , <b>2008</b> , 2, 11	3.3	94
374	Assessment of pilot performance and mental workload in rotary wing aircraft. <i>Ergonomics</i> , <b>1993</b> , 36, 1121-40	2.9	94
373	Cardiorespiratory fitness: A predictor of cortical plasticity in multiple sclerosis. <i>NeuroImage</i> , <b>2007</b> , 34, 1238-44	7.9	93
372	Growth trajectories of exercise self-efficacy in older adults: influence of measures and initial status. <i>Health Psychology</i> , <b>2011</b> , 30, 75-83	5	91
371	Improving Methodological Standards in Behavioral Interventions for Cognitive Enhancement. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , <b>2019</b> , 3, 2-29	2.4	91
370	Resting hippocampal blood flow, spatial memory and aging. <i>Brain Research</i> , <b>2010</b> , 1315, 119-27	3.7	90
369	Transfer of computer-based training to simulated driving in older adults. <i>Applied Ergonomics</i> , <b>2009</b> , 40, 943-52	4.2	89
368	Limits of focused attention in three-dimensional space. <i>Perception &amp; Psychophysics</i> , <b>1993</b> , 53, 658-67		89
367	History of mild traumatic brain injury is associated with deficits in relational memory, reduced hippocampal volume, and less neural activity later in life. <i>Frontiers in Aging Neuroscience</i> , <b>2013</b> , 5, 41	5.3	88
366	Age differences in visual search for feature, conjunction, and triple-conjunction targets.. <i>Psychology and Aging</i> , <b>1997</b> , 12, 704-717	3.6	88
365	Attentional selection and the processing of task-irrelevant information: insights from fMRI examinations of the Stroop task. <i>Progress in Brain Research</i> , <b>2001</b> , 134, 459-70	2.9	88
364	Event-related brain potentials as indices of information extraction and response priming. <i>Electroencephalography and Clinical Neurophysiology</i> , <b>1990</b> , 75, 419-32		87
363	Selling points: What cognitive abilities are tapped by casual video games?. <i>Acta Psychologica</i> , <b>2013</b> , 142, 74-86	1.7	85
362	Age-related differences in the involvement of the prefrontal cortex in attentional control. <i>Brain and Cognition</i> , <b>2009</b> , 71, 328-35	2.7	85
361	Effects of physical activity on cognition, well-being, and brain: human interventions. <i>Alzheimer's and Dementia</i> , <b>2007</b> , 3, S45-51	1.2	85
360	Cognitive function at high altitude. <i>Human Factors</i> , <b>1993</b> , 35, 329-44	3.8	85



359	Dedifferentiation in the visual cortex: an fMRI investigation of individual differences in older adults. <i>Brain Research</i> , <b>2008</b> , 1244, 121-31	3.7	83
358	Selective sparing of brain tissue in postmenopausal women receiving hormone replacement therapy. <i>Neurobiology of Aging</i> , <b>2005</b> , 26, 1205-13	5.6	83
357	Age differences in the control of looking behavior: do you know where your eyes have been?. <i>Psychological Science</i> , <b>2000</b> , 11, 210-7	7.9	83
356	The effects of speech production and speech comprehension on simulated driving performance. <i>Applied Cognitive Psychology</i> , <b>2006</b> , 20, 43-63	2.1	81
355	The effects of an 8-week Hatha yoga intervention on executive function in older adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2014</b> , 69, 1109-16	6.4	79
354	Influence of age and proximity warning devices on collision avoidance in simulated driving. <i>Human Factors</i> , <b>2007</b> , 49, 935-49	3.8	79
353	Enhancing brain and cognitive function of older adults through fitness training. <i>Journal of Molecular Neuroscience</i> , <b>2003</b> , 20, 213-21	3.3	79
352	Attentional modulation of the mismatch negativity elicited by frequency differences between binaurally presented tone bursts. <i>Psychophysiology</i> , <b>1995</b> , 32, 319-28	4.1	79
351	Attentional misguidance in visual search. <i>Perception &amp; Psychophysics</i> , <b>1994</b> , 56, 198-210		79
350	Beyond vascularization: aerobic fitness is associated with N-acetylaspartate and working memory. <i>Brain and Behavior</i> , <b>2012</b> , 2, 32-41	3.4	78
349	Visual marking of old objects. <i>Psychonomic Bulletin and Review</i> , <b>1998</b> , 5, 130-134	4.1	77
348	White matter microstructure mediates the relationship between cardiorespiratory fitness and spatial working memory in older adults. <i>NeuroImage</i> , <b>2016</b> , 131, 91-101	7.9	76
347	The role of attentional breadth in perceptual change detection. <i>Psychonomic Bulletin and Review</i> , <b>2001</b> , 8, 89-95	4.1	76
346	White Matter Integrity Declined Over 6-Months, but Dance Intervention Improved Integrity of the Fornix of Older Adults. <i>Frontiers in Aging Neuroscience</i> , <b>2017</b> , 9, 59	5.3	74
345	Cardiorespiratory fitness, hippocampal volume, and frequency of forgetting in older adults. <i>Neuropsychology</i> , <b>2011</b> , 25, 545-53	3.8	74
344	Object-based attentional selection: Grouped arrays or spatially invariant representations?: Comment on Vecera and Farah (1994).. <i>Journal of Experimental Psychology: General</i> , <b>1997</b> , 126, 3-13	4.7	74
343	Attentional capture and aging: Implications for visual search performance and oculomotor control.. <i>Psychology and Aging</i> , <b>1999</b> , 14, 135-154	3.6	74
342	Executive functions of sedentary elderly may benefit from walking: a systematic review and meta-analysis. <i>American Journal of Geriatric Psychiatry</i> , <b>2014</b> , 22, 782-91	6.5	73

341	Effects of training strategies implemented in a complex videogame on functional connectivity of attentional networks. <i>NeuroImage</i> , <b>2012</b> , 59, 138-48	7.9	73
340	Toward a psychophysiological assessment of dynamic changes in mental workload. <i>Human Factors</i> , <b>1994</b> , 36, 3-26	3.8	72
339	Copenhagen Consensus statement 2019: physical activity and ageing. <i>British Journal of Sports Medicine</i> , <b>2019</b> , 53, 856-858	10.3	71
338	The Aerobic and Cognitive Exercise Study (ACES) for Community-Dwelling Older Adults With or At-Risk for Mild Cognitive Impairment (MCI): Neuropsychological, Neurobiological and Neuroimaging Outcomes of a Randomized Clinical Trial. <i>Frontiers in Aging Neuroscience</i> , <b>2018</b> , 10, 76	5.3	71
337	Attentional set interacts with perceptual load in visual search. <i>Psychonomic Bulletin and Review</i> , <b>2004</b> , 11, 697-702	4.1	71
336	Impact of the Baltimore Experience Corps Trial on cortical and hippocampal volumes. <i>Alzheimer's and Dementia</i> , <b>2015</b> , 11, 1340-8	1.2	70
335	Cognitive training with casual video games: points to consider. <i>Frontiers in Psychology</i> , <b>2014</b> , 4, 1010	3.4	70
334	Age-related differences in cortical recruitment and suppression: implications for cognitive performance. <i>Behavioural Brain Research</i> , <b>2012</b> , 230, 192-200	3.4	70
333	Ageing and skill acquisition: Learning-performance distinctions.. <i>Psychology and Aging</i> , <b>1994</b> , 9, 589-605	3.6	70
332	III. The importance of physical activity and aerobic fitness for cognitive control and memory in children. <i>Monographs of the Society for Research in Child Development</i> , <b>2014</b> , 79, 25-50	6.6	69
331	Cognitive control in the self-regulation of physical activity and sedentary behavior. <i>Frontiers in Human Neuroscience</i> , <b>2014</b> , 8, 747	3.3	68
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