

Stuart W S Macdonald

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

6,700
citations

81839

39
h-index

66879

78
g-index

103
all docs

103
docs citations

103
times ranked

7503
citing authors

#	ARTICLE	IF	CITATIONS
1	Variability in Reaction Time Performance of Younger and Older Adults. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2002, 57, P101-P115.	2.4	618
2	Intra-individual variability in behavior: links to brain structure, neurotransmission and neuronal activity. <i>Trends in Neurosciences</i> , 2006, 29, 474-480.	4.2	558
3	Moment-to-moment brain signal variability: A next frontier in human brain mapping?. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 610-624.	2.9	487
4	Intraindividual variability in cognitive performance in older adults: Comparison of adults with mild dementia, adults with arthritis, and healthy adults.. <i>Neuropsychology</i> , 2000, 14, 588-598.	1.0	323
5	Neural underpinnings of within-person variability in cognitive functioning.. <i>Psychology and Aging</i> , 2009, 24, 792-808.	1.4	296
6	Education Does Not Slow Cognitive Decline with Aging: 12-Year Evidence from the Victoria Longitudinal Study. <i>Journal of the International Neuropsychological Society</i> , 2011, 17, 1039-1046.	1.2	263
7	Latent Change Models of Adult Cognition: Are Changes in Processing Speed and Working Memory Associated With Changes in Episodic Memory?. <i>Psychology and Aging</i> , 2003, 18, 755-769.	1.4	189
8	Performance variability is related to change in cognition: Evidence from the Victoria Longitudinal Study.. <i>Psychology and Aging</i> , 2003, 18, 510-523.	1.4	185
9	Neurocognitive markers of cognitive impairment: Exploring the roles of speed and inconsistency.. <i>Neuropsychology</i> , 2007, 21, 381-399.	1.0	178
10	The association between endogenous free testosterone and cognitive performance: A population-based study in 35 to 90 year-oldmen and women. <i>Psychoneuroendocrinology</i> , 2006, 31, 565-576.	1.3	163
11	Direct and indirect measurement of physical activity in older adults: a systematic review of the literature. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2012, 9, 148.	2.0	154
12	Intraindividual variability in reaction time predicts cognitive outcomes 5 years later.. <i>Neuropsychology</i> , 2010, 24, 731-741.	1.0	140
13	Self-awareness after traumatic brain injury: A comparison of measures and their relationship to executive functions. <i>Journal of the International Neuropsychological Society</i> , 2003, 9, 450-458.	1.2	136
14	Association of lifelong exposure to cognitive reserve-enhancing factors with dementia risk: A community-based cohort study. <i>PLoS Medicine</i> , 2017, 14, e1002251.	3.9	135
15	Clinical features and multidisciplinary approaches to dementia care. <i>Journal of Multidisciplinary Healthcare</i> , 2011, 4, 125.	1.1	112
16	Dopamine D1 receptors and age differences in brain activation during working memory. <i>Neurobiology of Aging</i> , 2011, 32, 1849-1856.	1.5	103
17	Inconsistency in serial choice decision and motor reaction times dissociate in younger and older adults. <i>Brain and Cognition</i> , 2004, 56, 320-327.	0.8	101
18	Sampling and generalisability in developmental research: Comparison of random and convenience samples of older adults. <i>International Journal of Behavioral Development</i> , 2002, 26, 345-359.	1.3	96

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19	Ageing-Related Increases in Behavioral Variability: Relations to Losses of Dopamine D1 Receptors. <i>Journal of Neuroscience</i> , 2012, 32, 8186-8191.	1.7	96
20	Extrastriatal dopamine D2 receptor binding modulates intraindividual variability in episodic recognition and executive functioning. <i>Neuropsychologia</i> , 2009, 47, 2299-2304.	0.7	94
21	Intraindividual variability in performance as a theoretical window onto cognitive aging. , 2004, , 65-88.		94
22	Death and Cognition. <i>European Psychologist</i> , 2006, 11, 224-235.	1.8	92
23	Biological Age and 12-Year Cognitive Change in Older Adults: Findings from the Victoria Longitudinal Study. <i>Gerontology</i> , 2004, 50, 64-81.	1.4	89
24	Intraindividual variability in cognitive performance in three groups of older adults: Cross-domain links to physical status and self-perceived affect and beliefs. <i>Journal of the International Neuropsychological Society</i> , 2002, 8, 893-906.	1.2	85
25	Predicting impending death: Inconsistency in speed is a selective and early marker.. <i>Psychology and Aging</i> , 2008, 23, 595-607.	1.4	84
26	Linking Biological and Cognitive Aging: Toward Improving Characterizations of Developmental Time. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2011, 66B, i59-i70.	2.4	82
27	Intraindividual variability is related to cognitive change in older adults: Evidence for within-person coupling.. <i>Psychology and Aging</i> , 2010, 25, 575-586.	1.4	79
28	Cognitively Stimulating Activities: Effects on Cognition across Four Studies with up to 21 Years of Longitudinal Data. <i>Journal of Aging Research</i> , 2012, 2012, 1-12.	0.4	70
29	How do health and biological age influence chronological age and sex differences in cognitive aging: Moderating, mediating, or both?. <i>Psychology and Aging</i> , 2006, 21, 318-332.	1.4	66
30	Simulating Neurocognitive Aging: Effects of a Dopaminergic Antagonist on Brain Activity During Working Memory. <i>Biological Psychiatry</i> , 2010, 67, 575-580.	0.7	61
31	Increased Response-time Variability is Associated with Reduced Inferior Parietal Activation during Episodic Recognition in Aging. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 779-786.	1.1	55
32	Child and context characteristics in trajectories of physical and relational victimization among early elementary school children. <i>Development and Psychopathology</i> , 2011, 23, 239-252.	1.4	55
33	Ageing and the Shape of Cognitive Change Before Death: Terminal Decline Or Terminal Drop?. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2011, 66B, 292-301.	2.4	55
34	Intraindividual Variability in Vigilance Performance: Does Degrading Visual Stimuli Mimic Age-Related "Neural Noise"? <i>Journal of Clinical and Experimental Neuropsychology</i> , 2006, 28, 655-675.	0.8	47
35	Evolution of Global and Local Grey Matter Atrophy on Serial MRI Scans During the Progression from MCI to AD. <i>Current Alzheimer Research</i> , 2012, 9, 516-524.	0.7	47
36	The influence of cognitive impairment with no dementia on driving restriction and cessation in older adults. <i>Accident Analysis and Prevention</i> , 2012, 49, 308-315.	3.0	47

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37	Social Activity and Cognitive Functioning Over Time: A Coordinated Analysis of Four Longitudinal Studies. <i>Journal of Aging Research</i> , 2012, 2012, 1-12.	0.4	46
38	Whole brain atrophy rate predicts progression from MCI to Alzheimer's disease. <i>Neurobiology of Aging</i> , 2010, 31, 1601-1605.	1.5	45
39	Attention capacity and self-report of subjective cognitive decline: A P3 ERP study. <i>Biological Psychology</i> , 2014, 103, 144-151.	1.1	42
40	Age-Related Slowing of Digit Symbol Substitution Revisited: What Do Longitudinal Age Changes Reflect?. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2003, 58, P187-P194.	2.4	40
41	Onset and Rate of Cognitive Change Before Dementia Diagnosis: Findings From Two Swedish Population-Based Longitudinal Studies. <i>Journal of the International Neuropsychological Society</i> , 2011, 17, 154-162.	1.2	40
42	A Comprehensive Comparison of Quantifications of Intraindividual Variability in Response Times: A Measurement Burst Approach. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2019, 74, 397-408.	2.4	38
43	Rate of acquisition, adult age, and basic cognitive abilities predict forgetting: New views on a classic problem.. <i>Journal of Experimental Psychology: General</i> , 2006, 135, 368-390.	1.5	37
44	Dynamic Associations of Change in Physical Activity and Change in Cognitive Function: Coordinated Analyses of Four Longitudinal Studies. <i>Journal of Aging Research</i> , 2012, 2012, 1-12.	0.4	37
45	Mild cognitive impairment is associated with selected functional markers: Integrating concurrent, longitudinal, and stability effects.. <i>Neuropsychology</i> , 2012, 26, 209-223.	1.0	35
46	Influence of Individual and Contextual Characteristics on the Provision of Individualized Care in Long-Term Care Facilities. <i>Gerontologist</i> , The, 2013, 53, 790-800.	2.3	34
47	Intraindividual reaction time variability is malleable: feedback- and education-related reductions in variability with age. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 101.	1.0	33
48	BioAge: Toward a multi-determined, mechanistic account of cognitive aging. <i>Ageing Research Reviews</i> , 2014, 18, 95-105.	5.0	33
49	Modulation of striatal dopamine D1 binding by cognitive processing. <i>NeuroImage</i> , 2009, 48, 398-404.	2.1	32
50	APOE and COMT polymorphisms are complementary biomarkers of status, stability, and transitions in normal aging and early mild cognitive impairment. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 236.	1.7	32
51	Accelerated postmenopausal cognitive decline is restricted to women with normal BMI: Longitudinal evidence from the Betula project. <i>Psychoneuroendocrinology</i> , 2010, 35, 516-524.	1.3	29
52	Preclinical Cognitive Trajectories Differ for Alzheimer's Disease and Vascular Dementia. <i>Journal of the International Neuropsychological Society</i> , 2012, 18, 191-199.	1.2	29
53	White Matter Integrity Is Associated With Intraindividual Variability in Neuropsychological Test Performance in Healthy Older Adults. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 352.	1.0	28
54	Cognitive Performance Differentiates Selected Aspects of Psychosocial Maturity in Adolescence. <i>Developmental Neuropsychology</i> , 2005, 28, 473-492.	1.0	27

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55	Contrasting olfaction, vision, and audition as predictors of cognitive change and impairment in non-demented older adults.. <i>Neuropsychology</i> , 2018, 32, 450-460.	1.0	26
56	Factor structure of the Social Experience Questionnaire across time, sex, and grade among early elementary school children.. <i>Psychological Assessment</i> , 2013, 25, 1058-1068.	1.2	24
57	Intensive Measurement Designs for Research on Aging. <i>GeroPsych: the Journal of Gerontopsychology and Geriatric Psychiatry</i> , 2012, 25, 45-55.	0.2	23
58	Health behavior changes in adolescence and young adulthood: Implications for cardiometabolic risk.. <i>Health Psychology</i> , 2018, 37, 103-113.	1.3	23
59	The Ups and Downs of Cognitive Function: Neuroticism and Negative Affect Drive Performance Inconsistency. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2020, 75, 263-273.	2.4	20
60	Terminal-Decline Effects for Select Cognitive Tasks after Controlling for Preclinical Dementia. <i>American Journal of Geriatric Psychiatry</i> , 2008, 16, 355-365.	0.6	19
61	Concurrent Indicators of Gait Velocity and Variability Are Associated with 25-Year Cognitive Change: A Retrospective Longitudinal Investigation. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 17.	1.7	19
62	Forgetting Numbers in Old Age: Strategy and Learning Speed Matter. <i>Gerontology</i> , 2005, 51, 277-284.	1.4	18
63	Sex differences in cognition: The role of handedness. <i>Physiology and Behavior</i> , 2007, 92, 105-109.	1.0	18
64	Intraindividual Variability across Neuropsychological Tests: Dispersion and Disengaged Lifestyle Increase Risk for Alzheimer's Disease. <i>Journal of Intelligence</i> , 2018, 6, 12.	1.3	18
65	Spillover of stress to Chinese Canadian immigrants' parenting: Impact of acculturation and parent-child stressors.. <i>Asian American Journal of Psychology</i> , 2018, 9, 190-199.	0.7	18
66	Short-Term Changes in General and Memory-Specific Control Beliefs and their Relationship to Cognition in Younger and Older Adults. <i>International Journal of Aging and Human Development</i> , 2007, 65, 53-71.	1.0	17
67	Comparing executive function, evoked hemodynamic response, and gait as predictors of variations in mobility for older adults. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2018, 40, 151-160.	0.8	17
68	Selective attrition and intraindividual variability in response time moderate cognitive change. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2016, 38, 227-237.	0.8	16
69	Is there a "low-risk" drinking level for youth? The risk of acute harm as a function of quantity and frequency of drinking. <i>Drug and Alcohol Review</i> , 2012, 31, 184-193.	1.1	14
70	Resting State BOLD Variability Is Linked to White Matter Vascular Burden in Healthy Aging but Not in Older Adults With Subjective Cognitive Decline. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 429.	1.0	14
71	Trajectories of Cognitive Decline following Dementia Onset: What Accounts for Variation in Progression?. <i>Dementia and Geriatric Cognitive Disorders</i> , 2011, 31, 202-209.	0.7	13
72	Comparing individual differences in inconsistency and plasticity as predictors of cognitive function in older adults. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2016, 38, 534-550.	0.8	13

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73	Death and Cognition. <i>European Psychologist</i> , 2006, 11, 161-163.	1.8	12
74	Impact of Negative Emotion on the Neural Correlates of Long-Term Recognition in Younger and Older Adults. <i>Frontiers in Integrative Neuroscience</i> , 2012, 6, 74.	1.0	12
75	Long-term Care Trajectories in Canadian Context: Patterns and Predictors of Publicly Funded Care. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2018, 73, gbw104.	2.4	12
76	Characteristics of Healthy Older Adults that Influence Self-rated Cognitive Function. <i>Journal of the International Neuropsychological Society</i> , 2018, 24, 57-66.	1.2	12
77	Daily Stress Processes as Contributors to and Targets for Promoting Cognitive Health in Later Life. <i>Psychosomatic Medicine</i> , 2019, 81, 81-89.	1.3	12
78	Mean and variability in functional brain activations differentially predict executive function in older adults: an investigation employing functional near-infrared spectroscopy. <i>Neurophotonics</i> , 2017, 5, 1.	1.7	12
79	Are neurocognitive speed and inconsistency similarly affected in type 2 diabetes?. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2011, 33, 647-657.	0.8	11
80	Vascular Health and Genetic Risk Affect Mild Cognitive Impairment Status and 4-Year Stability: Evidence From the Victoria Longitudinal Study. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2016, 71, 1004-1014.	2.4	11
81	Intraindividual variability as an indicator of malingering in head injury. <i>Archives of Clinical Neuropsychology</i> , 2002, 17, 423-444.	0.3	10
82	Decomposing the within-person and between-person sources of variation in physical activity-cognition associations for low-active older adults. <i>Psychology and Health</i> , 2018, 33, 1431-1455.	1.2	8
83	Long-Term Care Service Trajectories and Their Predictors for Persons Living With Dementia: Results From a Canadian Study. <i>Journal of Aging and Health</i> , 2019, 31, 139-164.	0.9	8
84	Including Persistency of Impairment in Mild Cognitive Impairment Classification Enhances Prediction of 5-Year Decline. <i>Archives of Clinical Neuropsychology</i> , 2011, 26, 26-37.	0.3	7
85	The influence of social support and perceived stress on response time inconsistency. <i>Aging and Mental Health</i> , 2019, 23, 214-221.	1.5	6
86	Longitudinal changes in response time mean and inconsistency exhibit predictive dissociations for risk of cognitive impairment.. <i>Neuropsychology</i> , 2020, 34, 264-275.	1.0	6
87	Cognitively-Impaired-Not-Demented Status Moderates the Time-Varying Association between Finger Tapping Inconsistency and Executive Performance. <i>Archives of Clinical Neuropsychology</i> , 2016, 32, 110-116.	0.3	5
88	Methodological Considerations for the Study of Adult Development and Aging. , 2016, , 15-40.		5
89	Measurement equivalence of neuropsychological tests across education levels in older adults. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2014, 36, 1042-1054.	0.8	4
90	Intraindividual variability in children is related to informant ratings of attention and executive function. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2019, 41, 740-748.	0.8	4

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91	Associations Between Control Beliefs and Response Time Inconsistency in Older Adults Vary as a Function of Attentional Task Demands. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2020, 75, 1819-1830.	2.4	4
92	Intraindividual variability in executive and motor control tasks in children with attention deficit hyperactivity disorder. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2021, 43, 1-11.	0.8	3
93	A socially-engaged lifestyle moderates the association between gait velocity and cognitive impairment. <i>Aging and Mental Health</i> , 2021, 25, 632-640.	1.5	2
94	The Promise of Intergenerational Choir for Improving Psychosocial and Cognitive Health for those with Dementia: The Voices in Motion Project. <i>The Arbutus Review</i> , 2019, 10, 66-82.	0.1	2
95	Exploring the impact of community-based choral participation on cognitive function and well-being for persons with dementia: evidence from the Voices in Motion project. <i>Aging and Mental Health</i> , 0, , 1-8.	1.5	2
96	Chapter 5.4 Memory and cognitive performance in preclinical Alzheimer's disease and preclinical vascular disease. <i>Handbook of Behavioral Neuroscience</i> , 2008, 18, 537-551.	0.7	1
97	Cognitive functioning in vascular dementia before and after diagnosis. , 0, , 46-57.		1
98	Intraindividual variability measured with dispersion across diagnostic groups in a memory clinic sample. <i>Applied Neuropsychology Adult</i> , 2023, 30, 639-648.	0.7	1
99	Functional near infrared spectroscopy activation during an executive function task differs between healthy older and younger adults. <i>Aging Brain</i> , 2022, 2, 100029.	0.7	1
100	CVLT-II short form forced choice recognition in a clinical dementia sample: Cautions for performance validity assessment. <i>Applied Neuropsychology Adult</i> , 0, , 1-10.	0.7	1
101	Parameterizing Practice in a Longitudinal Measurement Burst Design to Dissociate Retest Effects From Developmental Change: Implications for Aging Neuroscience. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	0