

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

81900

39
h-index

66911

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. | 3.9 | 618 |
| 2 | Intra-individual variability in behavior: links to brain structure, neurotransmission and neuronal activity. <i>Trends in Neurosciences</i> , 2006, 29, 474-480. | 8.6 | 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. | 6.1 | 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. | 1.3 | 323 |
| 5 | Neural underpinnings of within-person variability in cognitive functioning.. <i>Psychology and Aging</i> , 2009, 24, 792-808. | 1.6 | 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. | 1.8 | 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. | 1.6 | 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. | 1.6 | 185 |
| 9 | Neurocognitive markers of cognitive impairment: Exploring the roles of speed and inconsistency.. <i>Neuropsychology</i> , 2007, 21, 381-399. | 1.3 | 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. | 2.7 | 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. | 4.6 | 154 |
| 12 | Intraindividual variability in reaction time predicts cognitive outcomes 5 years later.. <i>Neuropsychology</i> , 2010, 24, 731-741. | 1.3 | 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. | 1.8 | 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. | 8.4 | 135 |
| 15 | Clinical features and multidisciplinary approaches to dementia care. <i>Journal of Multidisciplinary Healthcare</i> , 2011, 4, 125. | 2.7 | 112 |
| 16 | Dopamine D1 receptors and age differences in brain activation during working memory. <i>Neurobiology of Aging</i> , 2011, 32, 1849-1856. | 3.1 | 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. | 1.8 | 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. | 2.4 | 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. | 3.6 | 96 |
| 20 | Extrastriatal dopamine D2 receptor binding modulates intraindividual variability in episodic recognition and executive functioning. <i>Neuropsychologia</i> , 2009, 47, 2299-2304. | 1.6 | 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. | 3.1 | 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. | 2.8 | 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. | 1.8 | 85 |
| 25 | Predicting impending death: Inconsistency in speed is a selective and early marker.. <i>Psychology and Aging</i> , 2008, 23, 595-607. | 1.6 | 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. | 3.9 | 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. | 1.6 | 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. | 0.9 | 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. | 1.6 | 66 |
| 30 | Simulating Neurocognitive Aging: Effects of a Dopaminergic Antagonist on Brain Activity During Working Memory. <i>Biological Psychiatry</i> , 2010, 67, 575-580. | 1.3 | 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. | 2.3 | 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. | 2.3 | 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. | 3.9 | 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. | 1.3 | 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. | 1.4 | 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. | 5.7 | 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. | 0.9 | 46 |
| 38 | Whole brain atrophy rate predicts progression from MCI to Alzheimer's disease. <i>Neurobiology of Aging</i> , 2010, 31, 1601-1605. | 3.1 | 45 |
| 39 | Attention capacity and self-report of subjective cognitive decline: A P3 ERP study. <i>Biological Psychology</i> , 2014, 103, 144-151. | 2.2 | 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. | 3.9 | 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. | 1.8 | 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. | 3.9 | 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. | 2.1 | 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. | 0.9 | 37 |
| 45 | Mild cognitive impairment is associated with selected functional markers: Integrating concurrent, longitudinal, and stability effects.. <i>Neuropsychology</i> , 2012, 26, 209-223. | 1.3 | 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. | 3.9 | 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. | 2.0 | 33 |
| 48 | BioAge: Toward a multi-determined, mechanistic account of cognitive aging. <i>Ageing Research Reviews</i> , 2014, 18, 95-105. | 10.9 | 33 |
| 49 | Modulation of striatal dopamine D1 binding by cognitive processing. <i>NeuroImage</i> , 2009, 48, 398-404. | 4.2 | 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. | 3.4 | 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. | 2.7 | 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. | 1.8 | 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. | 2.0 | 28 |
| 54 | Cognitive Performance Differentiates Selected Aspects of Psychosocial Maturity in Adolescence. <i>Developmental Neuropsychology</i> , 2005, 28, 473-492. | 1.4 | 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. | 1.3 | 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. | 1.5 | 24 |
| 57 | Intensive Measurement Designs for Research on Aging. <i>GeroPsych: the Journal of Gerontopsychology and Geriatric Psychiatry</i> , 2012, 25, 45-55. | 0.5 | 23 |
| 58 | Health behavior changes in adolescence and young adulthood: Implications for cardiometabolic risk.. <i>Health Psychology</i> , 2018, 37, 103-113. | 1.6 | 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. | 3.9 | 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. | 1.2 | 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. | 3.4 | 19 |
| 62 | Forgetting Numbers in Old Age: Strategy and Learning Speed Matter. <i>Gerontology</i> , 2005, 51, 277-284. | 2.8 | 18 |
| 63 | Sex differences in cognition: The role of handedness. <i>Physiology and Behavior</i> , 2007, 92, 105-109. | 2.1 | 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. | 2.5 | 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. | 1.2 | 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. | 1.6 | 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. | 1.3 | 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. | 1.3 | 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. | 2.1 | 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. | 2.0 | 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. | 1.5 | 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. | 1.3 | 13 |

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|----|---|-----|-----------|
| 73 | Death and Cognition. <i>European Psychologist</i> , 2006, 11, 161-163. | 3.1 | 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. | 2.1 | 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. | 3.9 | 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. | 1.8 | 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. | 2.0 | 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. | 3.3 | 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. | 1.3 | 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. | 3.9 | 11 |
| 81 | Intraindividual variability as an indicator of malingering in head injury. <i>Archives of Clinical Neuropsychology</i> , 2002, 17, 423-444. | 0.5 | 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. | 2.2 | 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. | 1.7 | 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. | 0.5 | 7 |
| 85 | The influence of social support and perceived stress on response time inconsistency. <i>Aging and Mental Health</i> , 2019, 23, 214-221. | 2.8 | 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. | 1.3 | 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. | 0.5 | 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. | 1.3 | 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. | 1.3 | 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. | 3.9 | 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. | 1.3 | 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. | 2.8 | 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. | 2.8 | 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. | 1.2 | 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. | 1.3 | 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. | 1.2 | 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, . | 3.4 | 0 |