

Martin Lvdn

List of Publications by Year in Descending Order

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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.

120
papers

6,622
citations

43
h-index

79
g-index

123
ext. papers

8,007
ext. citations

5
avg, IF

6.04
L-index

#	Paper	IF	Citations
120	Behavioural and neuroplastic effects of a double-blind randomised controlled balance exercise trial in people with Parkinson's disease.. <i>Npj Parkinson's Disease</i> , 2022 , 8, 12	9.7	1
119	Associations of cardiorespiratory fitness and moderate-to-vigorous physical activity with latent cognitive abilities in older adults. <i>Psychology of Sport and Exercise</i> , 2022 , 60, 102171	4.2	0
118	A common polymorphism in the dopamine transporter gene predicts working memory performance and in vivo dopamine integrity in aging. <i>NeuroImage</i> , 2021 , 245, 118707	7.9	0
117	Tool use and language share syntactic processes and neural patterns in the basal ganglia. <i>Science</i> , 2021 , 374, eabe0874	33.3	9
116	Fronto-striatal dopamine D2 receptor availability is associated with cognitive variability in older individuals with low dopamine integrity. <i>Scientific Reports</i> , 2021 , 11, 21089	4.9	
115	Measuring implicit sequence learning and dual task ability in mild to moderate Parkinson's disease: A feasibility study. <i>PLoS ONE</i> , 2021 , 16, e0251849	3.7	1
114	Second Language Learning in Older Adults: Effects on Brain Structure and Predictors of Learning Success. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 666851	5.3	1
113	Does Prolonged Education Causally Affect Dementia Risk When Adult Socioeconomic Status Is Not Altered? A Swedish Natural Experiment in 1.3 Million Individuals. <i>American Journal of Epidemiology</i> , 2021 , 190, 817-826	3.8	7
112	Immediate effects of a single session of physical exercise on cognition and cerebral blood flow: A randomized controlled study of older adults. <i>NeuroImage</i> , 2021 , 225, 117500	7.9	10
111	Role of dopamine and gray matter density in aging effects and individual differences of functional connectomes. <i>Brain Structure and Function</i> , 2021 , 226, 743-758	4	1
110	Higher VOmax is associated with thicker cortex and lower grey matter blood flow in older adults. <i>Scientific Reports</i> , 2021 , 11, 16724	4.9	0
109	Within-person structures of daily cognitive performance differ from between-person structures of cognitive abilities. <i>PeerJ</i> , 2020 , 8, e9290	3.1	6
108	Foreign language learning in older age does not improve memory or intelligence: Evidence from a randomized controlled study. <i>Psychology and Aging</i> , 2020 , 35, 212-219	3.6	11
107	No evidence for any effect of multiple sessions of frontal transcranial direct stimulation on mood in healthy older adults. <i>Neuropsychologia</i> , 2020 , 137, 107325	3.2	2
106	The importance of the ventromedial prefrontal cortex for associative memory in older adults: A latent structural equation analysis. <i>NeuroImage</i> , 2020 , 209, 116475	7.9	3
105	Peripheral BDNF Response to Physical and Cognitive Exercise and Its Association With Cardiorespiratory Fitness in Healthy Older Adults. <i>Frontiers in Physiology</i> , 2020 , 11, 1080	4.6	3
104	Human skill learning: expansion, exploration, selection, and refinement. <i>Current Opinion in Behavioral Sciences</i> , 2020 , 36, 163-168	4	4

103	Education and Cognitive Functioning Across the Life Span. <i>Psychological Science in the Public Interest: A Journal of the American Psychological Society</i> , 2020 , 21, 6-41	18.6	86
102	Low Mood and Risk of Dementia: The Role of Marital Status and Living Situation. <i>American Journal of Geriatric Psychiatry</i> , 2020 , 28, 33-44	6.5	6
101	Balance between Transmitter Availability and Dopamine D2 Receptors in Prefrontal Cortex Influences Memory Functioning. <i>Cerebral Cortex</i> , 2020 , 30, 989-1000	5.1	14
100	White matter microstructure predicts foreign language learning in army interpreters. <i>Bilingualism</i> , 2020 , 23, 763-771	3.2	2
99	Mapping the landscape of human dopamine D2/3 receptors with [C]raclopride. <i>Brain Structure and Function</i> , 2019 , 224, 2871-2882	4	15
98	Are global and specific interindividual differences in cortical thickness associated with facets of cognitive abilities, including face cognition?. <i>Royal Society Open Science</i> , 2019 , 6, 180857	3.3	5
97	Language as a Tool: Motor Proficiency Using a Tool Predicts Individual Linguistic Abilities. <i>Frontiers in Psychology</i> , 2019 , 10, 1639	3.4	7
96	Cardiovascular factors are related to dopamine integrity and cognition in aging. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 2291-2303	5.3	5
95	Brain Plasticity in Human Lifespan Development: The ExplorationSelectionRefinement Model. <i>Annual Review of Developmental Psychology</i> , 2019 , 1, 197-222	7.5	18
94	Dopamine D Binding Potential Modulates Neural Signatures of Working Memory in a Load-Dependent Fashion. <i>Journal of Neuroscience</i> , 2019 , 39, 537-547	6.6	19
93	C957T-mediated Variation in Ligand Affinity Affects the Association between C-raclopride Binding Potential and Cognition. <i>Journal of Cognitive Neuroscience</i> , 2019 , 31, 314-325	3.1	11
92	Development of a language screening instrument for Swedish 4-year-olds. <i>International Journal of Language and Communication Disorders</i> , 2018 , 53, 605-614	2.9	4
91	Naming is not explaining: future directions for the "cognitive reserve" and "brain maintenance" theories. <i>Alzheimer's Research and Therapy</i> , 2018 , 10, 34	9	23
90	Working Memory and Reasoning Benefit from Different Modes of Large-scale Brain Dynamics in Healthy Older Adults. <i>Journal of Cognitive Neuroscience</i> , 2018 , 30, 1033-1046	3.1	11
89	Self-rated intensity of habitual physical activities is positively associated with dopamine D receptor availability and cognition. <i>NeuroImage</i> , 2018 , 181, 605-616	7.9	13
88	Thirty-year trends in dementia: a nationwide population study of Swedish inpatient records. <i>Clinical Epidemiology</i> , 2018 , 10, 1679-1693	5.9	19
87	Education Does Not Affect Cognitive Decline in Aging: A Bayesian Assessment of the Association Between Education and Change in Cognitive Performance. <i>Frontiers in Psychology</i> , 2018 , 9, 1138	3.4	29
86	Neurocognitive Profiles of Older Adults with Working-Memory Dysfunction. <i>Cerebral Cortex</i> , 2018 , 28, 2525-2539	5.1	15

85	Direct-Current Stimulation Does Little to Improve the Outcome of Working Memory Training in Older Adults. <i>Psychological Science</i> , 2017 , 28, 907-920	7.9	70
84	Towards a stronger science of human plasticity. <i>Nature Reviews Neuroscience</i> , 2017 , 18, 261-262	13.5	35
83	Cognitive and emotional outcomes after prolonged education: a quasi-experiment on 320 182 Swedish boys. <i>International Journal of Epidemiology</i> , 2017 , 46, 303-311	7.8	16
82	Repeated Structural Imaging Reveals Nonlinear Progression of Experience-Dependent Volume Changes in Human Motor Cortex. <i>Cerebral Cortex</i> , 2017 , 27, 2911-2925	5.1	36
81	Expansion and Renormalization of Human Brain Structure During Skill Acquisition. <i>Trends in Cognitive Sciences</i> , 2017 , 21, 930-939	14	85
80	Age differences in coupling of intraindividual variability in mnemonic strategies and practice-related associative recall improvements. <i>Psychology and Aging</i> , 2017 , 32, 557-571	3.6	12
79	The Learning Hippocampus: Education and Experience-Dependent Plasticity. <i>Mind, Brain, and Education</i> , 2016 , 10, 171-183	1.8	8
78	Dopamine D2 receptor availability is linked to hippocampal-caudate functional connectivity and episodic memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7918-23	11.5	84
77	Different Context but Similar Cognitive Structures: Older Adults in Rural Bangladesh. <i>Journal of Cross-Cultural Gerontology</i> , 2016 , 31, 143-56	2	3
76	LSD-induced entropic brain activity predicts subsequent personality change. <i>Human Brain Mapping</i> , 2016 , 37, 3203-13	5.9	163
75	Relationships of peripheral IGF-1, VEGF and BDNF levels to exercise-related changes in memory, hippocampal perfusion and volumes in older adults. <i>NeuroImage</i> , 2016 , 131, 142-54	7.9	153
74	Behavioral correlates of changes in hippocampal gray matter structure during acquisition of foreign vocabulary. <i>NeuroImage</i> , 2016 , 131, 205-13	7.9	33
73	Three-year changes in leisure activities are associated with concurrent changes in white matter microstructure and perceptual speed in individuals aged 80 years and older. <i>Neurobiology of Aging</i> , 2016 , 41, 173-186	5.6	36
72	Magnified effects of the COMT gene on white-matter microstructure in very old age. <i>Brain Structure and Function</i> , 2015 , 220, 2927-38	4	10
71	Effects of vascular risk factors and APOE ϵ 4 on white matter integrity and cognitive decline. <i>Neurology</i> , 2015 , 84, 1128-35	6.5	82
70	Lower baseline performance but greater plasticity of working memory for carriers of the val allele of the COMT Val ¹⁵⁸ Met polymorphism. <i>Neuropsychology</i> , 2015 , 29, 247-54	3.8	26
69	No Significant Effect of Prefrontal tDCS on Working Memory Performance in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2015 , 7, 230	5.3	33
68	Microstructural White Matter Properties Mediate the Association between APOE and Perceptual Speed in Very Old Persons without Dementia. <i>PLoS ONE</i> , 2015 , 10, e0134766	3.7	9

67	Finding the self by losing the self: Neural correlates of ego-dissolution under psilocybin. <i>Human Brain Mapping</i> , 2015 , 36, 3137-53	5.9	122
66	Differences in the Between-Person and Within-Person Structures of Affect Are A Matter of Degree. <i>European Journal of Personality</i> , 2015 , 29, 55-71	5.1	60
65	Comparing manual and automatic segmentation of hippocampal volumes: reliability and validity issues in younger and older brains. <i>Human Brain Mapping</i> , 2014 , 35, 4236-48	5.9	121
64	Changes in perceptual speed and white matter microstructure in the corticospinal tract are associated in very old age. <i>NeuroImage</i> , 2014 , 102 Pt 2, 520-30	7.9	44
63	On the validity and generality of transfer effects in cognitive training research. <i>Psychological Research</i> , 2014 , 78, 773-89	2.5	100
62	Daily fluctuations in positive affect positively co-vary with working memory performance. <i>Emotion</i> , 2014 , 14, 1-6	4.1	44
61	Younger adults show long-term effects of cognitive training on broad cognitive abilities over 2 years. <i>Developmental Psychology</i> , 2014 , 50, 2304-10	3.7	25
60	A task is a task is a task: putting complex span, n-back, and other working memory indicators in psychometric context. <i>Frontiers in Psychology</i> , 2014 , 5, 1475	3.4	69
59	Plasticity of brain and cognition in older adults. <i>Psychological Research</i> , 2014 , 78, 790-802	2.5	60
58	Coordinated within-trial dynamics of low-frequency neural rhythms controls evidence accumulation. <i>Journal of Neuroscience</i> , 2014 , 34, 8519-28	6.6	23
57	The benefits of staying active in old age: physical activity counteracts the negative influence of PICALM, BIN1, and CLU risk alleles on episodic memory functioning. <i>Psychology and Aging</i> , 2014 , 29, 440-9 ⁶	3.6	41
56	The dimensionality of between-person differences in white matter microstructure in old age. <i>Human Brain Mapping</i> , 2013 , 34, 1386-98	5.9	42
55	The dynamics of change in striatal activity following updating training. <i>Human Brain Mapping</i> , 2013 , 34, 1530-41	5.9	55
54	Structural brain plasticity in adult learning and development. <i>Neuroscience and Biobehavioral Reviews</i> , 2013 , 37, 2296-310	9	234
53	Differential brain shrinkage over 6 months shows limited association with cognitive practice. <i>Brain and Cognition</i> , 2013 , 82, 171-80	2.7	33
52	Individual alpha peak frequency is related to latent factors of general cognitive abilities. <i>NeuroImage</i> , 2013 , 79, 10-8	7.9	101
51	Does variability in cognitive performance correlate with frontal brain volume?. <i>NeuroImage</i> , 2013 , 64, 209-15	7.9	45
50	Genetic effects on old-age cognitive functioning: a population-based study. <i>Psychology and Aging</i> , 2013 , 28, 262-74	3.6	95

49	Age-related differences in temporal and spatial dimensions of episodic memory performance before and after hundred days of practice. <i>Psychology and Aging</i> , 2013 , 28, 467-80	3.6	9
48	Lifestyle change and the prevention of cognitive decline and dementia: what is the evidence?. <i>Current Opinion in Psychiatry</i> , 2013 , 26, 239-43	4.9	39
47	The neural representation of intrusive thoughts. <i>Social Cognitive and Affective Neuroscience</i> , 2013 , 8, 688-93	4	17
46	The influence of APOE and TOMM40 polymorphisms on hippocampal volume and episodic memory in old age. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 198	3.3	28
45	Associations between white matter microstructure and cognitive performance in old and very old age. <i>PLoS ONE</i> , 2013 , 8, e81419	3.7	23
44	Daily variability in working memory is coupled with negative affect: the role of attention and motivation. <i>Emotion</i> , 2012 , 12, 605-17	4.1	102
43	Spatial navigation training protects the hippocampus against age-related changes during early and late adulthood. <i>Neurobiology of Aging</i> , 2012 , 33, 620.e9-620.e22	5.6	129
42	Memory aging and brain maintenance. <i>Trends in Cognitive Sciences</i> , 2012 , 16, 292-305	14	650
41	Cortical thickness changes following spatial navigation training in adulthood and aging. <i>NeuroImage</i> , 2012 , 59, 3389-97	7.9	63
40	Growth of language-related brain areas after foreign language learning. <i>NeuroImage</i> , 2012 , 63, 240-4	7.9	206
39	Older adults show preserved equilibrium but impaired step length control in motor-equivalent stabilization of gait. <i>PLoS ONE</i> , 2012 , 7, e52024	3.7	12
38	Training-induced compensation versus magnification of individual differences in memory performance. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 141	3.3	98
37	Health is health is health? Age differences in intraindividual variability and in within-person versus between-person factor structures of self-reported health complaints. <i>Psychology and Aging</i> , 2012 , 27, 881-91	3.6	15
36	Memory updating practice across 100 days in the COGITO study. <i>Psychology and Aging</i> , 2012 , 27, 451-61	3.6	17
35	Normal aging increases discriminial dispersion in visuospatial short-term memory. <i>Psychology and Aging</i> , 2012 , 27, 627-37	3.6	20
34	Do intensive studies of a foreign language improve associative memory performance?. <i>Frontiers in Psychology</i> , 2011 , 2, 12	3.4	13
33	Normal aging dampens the link between intrusive thoughts and negative affect in reaction to daily stressors. <i>Psychology and Aging</i> , 2011 , 26, 488-502	3.6	51
32	Brain areas consistently linked to individual differences in perceptual decision-making in younger as well as older adults before and after training. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 2147-58	3.1	33

31	Performance-related increases in hippocampal N-acetylaspartate (NAA) induced by spatial navigation training are restricted to BDNF Val homozygotes. <i>Cerebral Cortex</i> , 2011 , 21, 1435-42	5.1	29
30	Hundred Days of Cognitive Training Enhance Broad Cognitive Abilities in Adulthood: Findings from the COGITO Study. <i>Frontiers in Aging Neuroscience</i> , 2010 , 2,	5.3	199
29	Adult Age Differences in Covariation of Motivation and Working Memory Performance: Contrasting Between-Person and Within-Person Findings. <i>Research in Human Development</i> , 2010 , 7, 61-78	1.9	42
28	Adult age differences in familiarization to treadmill walking within virtual environments. <i>Gait and Posture</i> , 2010 , 31, 295-9	2.6	27
27	Cognitive performance is improved while walking: Differences in cognitive-sensorimotor couplings between children and young adults. <i>European Journal of Developmental Psychology</i> , 2010 , 7, 371-389	1.5	47
26	A theoretical framework for the study of adult cognitive plasticity. <i>Psychological Bulletin</i> , 2010 , 136, 659-761	4.6	460
25	Motor-equivalent covariation stabilizes step parameters and center of mass position during treadmill walking. <i>Experimental Brain Research</i> , 2010 , 207, 13-26	2.3	25
24	Experience-dependent plasticity of white-matter microstructure extends into old age. <i>Neuropsychologia</i> , 2010 , 48, 3878-83	3.2	169
23	Sensorimotor-Cognitive Couplings in the Context of Assistive Spatial Navigation for Older Adults. <i>GeroPsych: the Journal of Gerontopsychology and Geriatric Psychiatry</i> , 2010 , 23, 69-77	1	9
22	Cognitive Enrichment in Old Age. <i>GeroPsych: the Journal of Gerontopsychology and Geriatric Psychiatry</i> , 2010 , 23, 59-67	1	35
21	Cognitive plasticity in adulthood and old age: gauging the generality of cognitive intervention effects. <i>Restorative Neurology and Neuroscience</i> , 2009 , 27, 435-53	2.8	111
20	Complex span versus updating tasks of working memory: the gap is not that deep. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2009 , 35, 1089-1096	2.2	172
19	Interacting effects of cognitive load and adult age on the regularity of whole-body motion during treadmill walking. <i>Psychology and Aging</i> , 2009 , 24, 75-81	3.6	69
18	On the relation of mean reaction time and intraindividual reaction time variability. <i>Psychology and Aging</i> , 2009 , 24, 841-57	3.6	94
17	Psychological principles of successful aging technologies: a mini-review. <i>Gerontology</i> , 2008 , 54, 59-68	5.5	69
16	Walking variability and working-memory load in aging: a dual-process account relating cognitive control to motor control performance. <i>Journals of Gerontology - Series B Psychological Sciences and Social Sciences</i> , 2008 , 63, P121-8	4.6	96
15	Quantitative and qualitative sex differences in spatial navigation. <i>Scandinavian Journal of Psychology</i> , 2007 , 48, 353-8	2.2	29
14	Within-person trial-to-trial variability precedes and predicts cognitive decline in old and very old age: longitudinal data from the Berlin Aging Study. <i>Neuropsychologia</i> , 2007 , 45, 2827-38	3.2	118

13	The Center for Lifespan Psychology at the Max Planck Institute for Human Development: Overview of conceptual agenda and illustration of research activities. <i>International Journal of Psychology</i> , 2007 , 42, 229-242	1.9	16
12	Well-being affects changes in perceptual speed in advanced old age: longitudinal evidence for a dynamic link. <i>Developmental Psychology</i> , 2007 , 43, 705-18	3.7	70
11	Revisiting the dedifferentiation hypothesis with longitudinal multi-cohort data. <i>Intelligence</i> , 2007 , 35, 381-392	3	120
10	Studying individual aging in an interindividual context: typical paths of age-related, dementia-related, and mortality-related cognitive development in old age. <i>Psychology and Aging</i> , 2005 , 20, 303-16	3.6	38
9	Social participation attenuates decline in perceptual speed in old and very old age. <i>Psychology and Aging</i> , 2005 , 20, 423-34	3.6	195
8	Environmental topography and postural control demands shape aging-associated decrements in spatial navigation performance. <i>Psychology and Aging</i> , 2005 , 20, 683-694	3.6	68
7	The sensory-cognition association in adulthood: Different magnitudes for processing speed, inhibition, episodic memory, and false memory?. <i>Scandinavian Journal of Psychology</i> , 2005 , 46, 253-62	2.2	11
6	Cognition in the Berlin Aging Study (BASE): The First 10 Years. <i>Aging, Neuropsychology, and Cognition</i> , 2004 , 11, 104-133	2.1	43
5	Are covert verbal responses mediating false implicit memory?. <i>Psychonomic Bulletin and Review</i> , 2003 , 10, 724-9	4.1	16
4	Sex differences in recollective experience for olfactory and verbal information. <i>Acta Psychologica</i> , 2003 , 112, 89-103	1.7	63
3	The episodic memory and inhibition accounts of age-related increases in false memories: A consistency check. <i>Journal of Memory and Language</i> , 2003 , 49, 268-283	3.8	41
2	Remembering and Knowing in Adulthood: Effects of Enacted Encoding and Relations to Processing Speed. <i>Aging, Neuropsychology, and Cognition</i> , 2002 , 9, 184-200	2.1	20
1	Adult Age Differences in Tower of Hanoi Performance: Influence From Demographic and Cognitive Variables. <i>Aging, Neuropsychology, and Cognition</i> , 2001 , 8, 269-283	2.1	27