

Martin Lvdn

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1211376/martin-lovden-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Memory aging and brain maintenance. <i>Trends in Cognitive Sciences</i> , 2012 , 16, 292-305	14	650
119	A theoretical framework for the study of adult cognitive plasticity. <i>Psychological Bulletin</i> , 2010 , 136, 659-671	16	460
118	Structural brain plasticity in adult learning and development. <i>Neuroscience and Biobehavioral Reviews</i> , 2013 , 37, 2296-310	9	234
117	Growth of language-related brain areas after foreign language learning. <i>NeuroImage</i> , 2012 , 63, 240-4	7.9	206
116	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
115	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
114	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
113	Experience-dependent plasticity of white-matter microstructure extends into old age. <i>Neuropsychologia</i> , 2010 , 48, 3878-83	3.2	169
112	LSD-induced entropic brain activity predicts subsequent personality change. <i>Human Brain Mapping</i> , 2016 , 37, 3203-13	5.9	163
111	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
110	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
109	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
108	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
107	Revisiting the dedifferentiation hypothesis with longitudinal multi-cohort data. <i>Intelligence</i> , 2007 , 35, 381-392	3	120
106	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
105	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
104	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

103	Individual alpha peak frequency is related to latent factors of general cognitive abilities. <i>NeuroImage</i> , 2013 , 79, 10-8	7.9	101
102	On the validity and generality of transfer effects in cognitive training research. <i>Psychological Research</i> , 2014 , 78, 773-89	2.5	100
101	Training-induced compensation versus magnification of individual differences in memory performance. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 141	3.3	98
100	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
99	Genetic effects on old-age cognitive functioning: a population-based study. <i>Psychology and Aging</i> , 2013 , 28, 262-74	3.6	95
98	On the relation of mean reaction time and intraindividual reaction time variability. <i>Psychology and Aging</i> , 2009 , 24, 841-57	3.6	94
97	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
96	Expansion and Renormalization of Human Brain Structure During Skill Acquisition. <i>Trends in Cognitive Sciences</i> , 2017 , 21, 930-939	14	85
95	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
94	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
93	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
92	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
91	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
90	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
89	Psychological principles of successful aging technologies: a mini-review. <i>Gerontology</i> , 2008 , 54, 59-68	5.5	69
88	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
87	Cortical thickness changes following spatial navigation training in adulthood and aging. <i>NeuroImage</i> , 2012 , 59, 3389-97	7.9	63
86	Sex differences in recollective experience for olfactory and verbal information. <i>Acta Psychologica</i> , 2003 , 112, 89-103	1.7	63

85	Differences in the BetweenPerson and WithinPerson Structures of Affect Are A Matter of Degree. <i>European Journal of Personality</i> , 2015 , 29, 55-71	5.1	60
84	Plasticity of brain and cognition in older adults. <i>Psychological Research</i> , 2014 , 78, 790-802	2.5	60
83	The dynamics of change in striatal activity following updating training. <i>Human Brain Mapping</i> , 2013 , 34, 1530-41	5.9	55
82	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
81	Cognitive performance is improved while walking: Differences in cognitiveSensorimotor couplings between children and young adults. <i>European Journal of Developmental Psychology</i> , 2010 , 7, 371-389	1.5	47
80	Does variability in cognitive performance correlate with frontal brain volume?. <i>NeuroImage</i> , 2013 , 64, 209-15	7.9	45
79	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
78	Daily fluctuations in positive affect positively co-vary with working memory performance. <i>Emotion</i> , 2014 , 14, 1-6	4.1	44
77	Cognition in the Berlin Aging Study (BASE): The First 10 Years. <i>Aging, Neuropsychology, and Cognition</i> , 2004 , 11, 104-133	2.1	43
76	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
75	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
74	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, 440-3 ⁶	3.6	41
73	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
72	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
71	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
70	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
69	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
68	Towards a stronger science of human plasticity. <i>Nature Reviews Neuroscience</i> , 2017 , 18, 261-262	13.5	35

67	Cognitive Enrichment in Old Age. <i>GeroPsych: the Journal of Gerontopsychology and Geriatric Psychiatry</i> , 2010 , 23, 59-67	1	35
66	Behavioral correlates of changes in hippocampal gray matter structure during acquisition of foreign vocabulary. <i>NeuroImage</i> , 2016 , 131, 205-13	7.9	33
65	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
64	Differential brain shrinkage over 6 months shows limited association with cognitive practice. <i>Brain and Cognition</i> , 2013 , 82, 171-80	2.7	33
63	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
62	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
61	Quantitative and qualitative sex differences in spatial navigation. <i>Scandinavian Journal of Psychology</i> , 2007 , 48, 353-8	2.2	29
60	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
59	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
58	Adult age differences in familiarization to treadmill walking within virtual environments. <i>Gait and Posture</i> , 2010 , 31, 295-9	2.6	27
57	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
56	Lower baseline performance but greater plasticity of working memory for carriers of the val allele of the COMT Val1Met polymorphism. <i>Neuropsychology</i> , 2015 , 29, 247-54	3.8	26
55	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
54	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
53	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
52	Coordinated within-trial dynamics of low-frequency neural rhythms controls evidence accumulation. <i>Journal of Neuroscience</i> , 2014 , 34, 8519-28	6.6	23
51	Associations between white matter microstructure and cognitive performance in old and very old age. <i>PLoS ONE</i> , 2013 , 8, e81419	3.7	23
50	Normal aging increases discriminial dispersion in visuospatial short-term memory. <i>Psychology and Aging</i> , 2012 , 27, 627-37	3.6	20

49	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
48	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
47	Thirty-year trends in dementia: a nationwide population study of Swedish inpatient records. <i>Clinical Epidemiology</i> , 2018 , 10, 1679-1693	5.9	19
46	Brain Plasticity in Human Lifespan Development: The ExplorationSelectionRefinement Model. <i>Annual Review of Developmental Psychology</i> , 2019 , 1, 197-222	7.5	18
45	The neural representation of intrusive thoughts. <i>Social Cognitive and Affective Neuroscience</i> , 2013 , 8, 688-93	4	17
44	Memory updating practice across 100 days in the COGITO study. <i>Psychology and Aging</i> , 2012 , 27, 451-61	3.6	17
43	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
42	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
41	Are covert verbal responses mediating false implicit memory?. <i>Psychonomic Bulletin and Review</i> , 2003 , 10, 724-9	4.1	16
40	Mapping the landscape of human dopamine D2/3 receptors with [C]raclopride. <i>Brain Structure and Function</i> , 2019 , 224, 2871-2882	4	15
39	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
38	Neurocognitive Profiles of Older Adults with Working-Memory Dysfunction. <i>Cerebral Cortex</i> , 2018 , 28, 2525-2539	5.1	15
37	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
36	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
35	Do intensive studies of a foreign language improve associative memory performance?. <i>Frontiers in Psychology</i> , 2011 , 2, 12	3.4	13
34	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
33	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
32	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

31	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
30	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
29	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
28	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
27	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
26	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
25	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
24	Tool use and language share syntactic processes and neural patterns in the basal ganglia. <i>Science</i> , 2021 , 374, eabe0874	33.3	9
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	The Learning Hippocampus: Education and Experience-Dependent Plasticity. <i>Mind, Brain, and Education</i> , 2016 , 10, 171-183	1.8	8
21	Language as a Tool: Motor Proficiency Using a Tool Predicts Individual Linguistic Abilities. <i>Frontiers in Psychology</i> , 2019 , 10, 1639	3.4	7
20	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
19	Within-person structures of daily cognitive performance differ from between-person structures of cognitive abilities. <i>PeerJ</i> , 2020 , 8, e9290	3.1	6
18	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
17	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
16	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
15	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
14	Human skill learning: expansion, exploration, selection, and refinement. <i>Current Opinion in Behavioral Sciences</i> , 2020 , 36, 163-168	4	4

13	Different Context but Similar Cognitive Structures: Older Adults in Rural Bangladesh. <i>Journal of Cross-Cultural Gerontology</i> , 2016 , 31, 143-56	2	3
12	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
11	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
10	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
9	White matter microstructure predicts foreign language learning in army interpreters. <i>Bilingualism</i> , 2020 , 23, 763-771	3.2	2
8	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
7	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
6	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
5	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
4	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
3	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
2	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
1	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	