Andreas M Brandmaier

List of Publications by Year
in descending order

56 papers	2,180 citations	304743 22 h-index	265206 42 g-index
83 all docs	83 docs citations	83 times ranked	3118 citing authors

#	Article	IF	Citations
1	Emergence of Individuality in Genetically Identical Mice. Science, 2013, 340, 756-759.	12.6	413
2	Developmental cognitive neuroscience using latent change score models: A tutorial and applications. Developmental Cognitive Neuroscience, 2018, 33, 99-117.	4.0	282
3	Structural equation model trees.. Psychological Methods, 2013, 18, 71-86.	3.5	124
4	Structural Equation Modeling With Î©nyx. Structural Equation Modeling, 2015, 22, 148-161.	3.8	119
5	Coupled cognitive changes in adulthood: A meta-analysis.. Psychological Bulletin, 2019, 145, 273-301.	6.1	111
6	Individual variations in â€˜brain ageâ€™ relate to early-life factors more than to longitudinal brain change. ELife, 2021, 10, .	6.0	71
7	Asymmetric thinning of the cerebral cortex across the adult lifespan is accelerated in Alzheimerâ€™s disease. Nature Communications, 2021, 12, 721.	12.8	67
8	Theory-guided exploration with structural equation model forests.. Psychological Methods, 2016, 21, 566-582.	3.5	55
9	Atypical working memory decline across the adult lifespan in autism spectrum disorder?. Journal of Abnormal Psychology, 2015, 124, 1014-1026.	1.9	54
10	White matter and memory in healthy adults: Coupled changes over two years. NeuroImage, 2016, 131, 193-204.	4.2	51
11	Association between exploratory activity and social individuality in genetically identical mice living in the same enriched environment. Neuroscience, 2015, 309, 140-152.	2.3	50
12	Educational attainment does not influence brain aging. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	49
13	Assessing reliability in neuroimaging research through intra-class effect decomposition (ICED). ELife, 2018, 7, .	6.0	49
14	A Practical Guide to Variable Selection in Structural Equation Modeling by Using Regularized Multiple-Indicators, Multiple-Causes Models. Advances in Methods and Practices in Psychological Science, 2019, 2, 55-76.	9.4	45
15	A New Approach for Assessing Sleep Duration and Postures from Ambulatory Accelerometry. PLoS ONE, 2012, 7, e48089.	2.5	39
16	LIFESPAN: A tool for the computer-aided design of longitudinal studies. Frontiers in Psychology, 2015, 6, 272.	2.1	37
17	Precision, Reliability, and Effect Size of Slope Variance in Latent Growth Curve Models: Implications for Statistical Power Analysis. Frontiers in Psychology, 2018, 9, 294.	2.1	35
18	Food for thought: association between dietary tyrosine and cognitive performance in younger and older adults. Psychological Research, 2019, 83, 1097-1106.	1.7	35

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19	Identifying predictors of within-person variance in MRI-based brain volume estimates. NeuroImage, 2019, 200, 575-589.	4.2	33
20	pdc: AnRPackage for Complexity-Based Clustering of Time Series. Journal of Statistical Software, 2015, 67, .	3.7	31
21	The Val/Met polymorphism of the brain-derived neurotrophic factor (BDNF) gene predicts decline in perceptual speed in older adults.. Psychology and Aging, 2014, 29, 384-392.	1.6	27
22	A strong dependency between changes in fluid and crystallized abilities in human cognitive aging. Science Advances, 2022, 8, eabj2422.	10.3	27
23	Terminal decline in well-being: The role of multi-indicator constellations of physical health and psychosocial correlates.. Developmental Psychology, 2017, 53, 996-1012.	1.6	26
24	Optimal study design with identical power: An application of power equivalence to latent growth curve models.. Psychology and Aging, 2013, 28, 414-428.	1.6	25
25	Education and Income Show Heterogeneous Relationships to Lifespan Brain and Cognitive Differences Across European and US Cohorts. Cerebral Cortex, 2022, 32, 839-854.	2.9	25
26	Poor Self-Reported Sleep is Related to Regional Cortical Thinning in Aging but not Memory Declineâ€"Results From the Lifebrain Consortium. Cerebral Cortex, 2021, 31, 1953-1969.	2.9	25
27	Using within-subject pattern classification to understand lifespan age differences in oscillatory mechanisms of working memory selection and maintenance. NeuroImage, 2015, 118, 538-552.	4.2	20
28	Cardiovascular factors are related to dopamine integrity and cognition in aging. Annals of Clinical and Translational Neurology, 2019, 6, 2291-2303.	3.7	19
29	Hippocampal and Parahippocampal Gray Matter Structural Integrity Assessed by Multimodal Imaging Is Associated with Episodic Memory in Old Age. Cerebral Cortex, 2021, 31, 1464-1477.	2.9	17
30	A Reproducible Data Analysis Workflow. Quantitative and Computational Methods in Behavioral Sciences, 0, 1, .	0.0	14
31	WORCS: A workflow for open reproducible code in science. Data Science, 2021, 4, 29-49.	0.9	14
32	Hippocampal Subfields and Limbic White Matter Jointly Predict Learning Rate in Older Adults. Cerebral Cortex, 2020, 30, 2465-2477.	2.9	13
33	Longitudinal association between hippocampus atrophy and episodicâ€memory decline in nonâ€demented APOE Îµ4 carriers. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12110.	2.4	11
34	Meta-analysis of generalized additive models in neuroimaging studies. NeuroImage, 2021, 224, 117416.	4.2	10
35	Reproducible Research in R: A Tutorial on How to Do the Same Thing More Than Once. Psych, 2021, 3, 836-867.	1.6	9
36	The Global Brain Health Survey: Development of a Multi-Language Survey of Public Views on Brain Health. Frontiers in Public Health, 2020, 8, 387.	2.7	8

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37	Mplus Trees: Structural Equation Model Trees Using Mplus. Structural Equation Modeling, 2021, 28, 127-137.	3.8	8
38	Model of brain maintenance reveals specific change-change association between medial-temporal lobe integrity and episodic memory. Aging Brain, 2022, 2, 100027.	1.3	8
39	Change in Latent Gray-Matter Structural Integrity Is Associated With Change in Cardiovascular Fitness in Older Adults Who Engage in At-Home Aerobic Exercise. Frontiers in Human Neuroscience, 2022, 16, .	2.0	8
40	Identifying Heterogeneity in Dynamic Panel Models with Individual Parameter Contribution Regression. Structural Equation Modeling, 2020, 27, 613-628.	3.8	7
41	The genetic organization of longitudinal subcortical volumetric change is stable throughout the lifespan. ELife, 2021, 10, .	6.0	7
42	Recursive Partitioning in Continuous Time Analysis. , 2018, , 259-282.		7
43	Gaussian Process Panel Modelingâ€"Machine Learning Inspired Analysis of Longitudinal Panel Data. Frontiers in Psychology, 2020, 11, 351.	2.1	6
44	Reliability of quantitative multiparameter maps is high for magnetization transfer and proton density but attenuated for <scp>R₁</scp> and <scp>R₂</scp>* in healthy young adults. Human Brain Mapping, 2022, 43, 3585-3603.	3.6	6
45	White-matter microstructural properties of the corpus callosum: testâ€"retest and repositioning effects in two parcellation schemes. Brain Structure and Function, 2019, 224, 3373-3385.	2.3	5
46	A common polymorphism in the dopamine transporter gene predicts working memory performance and in vivo dopamine integrity in aging. NeuroImage, 2021, 245, 118707.	4.2	5
47	No Association Between Loneliness, Episodic Memory and Hippocampal Volume Change in Young and Healthy Older Adults: A Longitudinal European Multicenter Study. Frontiers in Aging Neuroscience, 2022, 14, 795764.	3.4	5
48	Optimal planned missing data design for linear latent growth curve models. Behavior Research Methods, 2020, 52, 1445-1458.	4.0	4
49	Score-Guided Structural Equation Model Trees. Frontiers in Psychology, 2020, 11, 564403.	2.1	4
50	Assessing Music Expertise. Music Perception, 2021, 38, 406-421.	1.1	4
51	Correcting the bias of the Root Mean Squared Error of Approximation under missing data. Methodology, 2021, 17, 189-204.	1.1	4
52	Predicting Differences in Model Parameters with Individual Parameter Contribution Regression Using the R Package ipcr. Psych, 2021, 3, 360-385.	1.6	3
53	A New Approach for Assessing Sleep Duration and Postures from Ambulatory Accelerometry. SSRN Electronic Journal, 2012, , .	0.4	1
54	No Evidence for a Boost in Psychosocial Functioning in Older Age After a 6-Months Physical Exercise Intervention. Frontiers in Human Neuroscience, 2022, 16, 825454.	2.0	1

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55	Test-retest and repositioning effects of white matter microstructure measurements in selected white matter tracts. NeuroImage Reports, 2022, 2, 100096.	1.0	1
56	STUDY PLANNING USING POWER ANALYSIS FOR LATENT GROWTH CURVE MODELS. Gerontologist, The, 2015, 55, 147-147.	3.9	0