

Rogier A Kievit

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

8,238
citations

76326

40
h-index

64796

79
g-index

136
all docs

136
docs citations

136
times ranked

10568
citing authors

#	ARTICLE	IF	CITATIONS
1	Raincloud plots: a multi-platform tool for robust data visualization. Wellcome Open Research, 2019, 4, 63.	1.8	872
2	Representational geometry: integrating cognition, computation, and the brain. Trends in Cognitive Sciences, 2013, 17, 401-412.	7.8	730
3	An Agenda for Purely Confirmatory Research. Perspectives on Psychological Science, 2012, 7, 632-638.	9.0	698
4	Deconstructing the construct: A network perspective on psychological phenomena. New Ideas in Psychology, 2013, 31, 43-53.	1.9	471
5	Simpson's paradox in psychological science: a practical guide. Frontiers in Psychology, 2013, 4, 513.	2.1	314
6	Developmental cognitive neuroscience using latent change score models: A tutorial and applications. Developmental Cognitive Neuroscience, 2018, 33, 99-117.	4.0	282
7	Raincloud plots: a multi-platform tool for robust data visualization. Wellcome Open Research, 0, 4, 63.	1.8	218
8	The Development of Academic Achievement and Cognitive Abilities: A Bidirectional Perspective. Child Development Perspectives, 2020, 14, 15-20.	3.9	181
9	Adolescent friendships predict later resilient functioning across psychosocial domains in a healthy community cohort. Psychological Medicine, 2017, 47, 2312-2322.	4.5	158
10	Friendships and Family Support Reduce Subsequent Depressive Symptoms in At-Risk Adolescents. PLoS ONE, 2016, 11, e0153715.	2.5	151
11	Distinct aspects of frontal lobe structure mediate age-related differences in fluid intelligence and multitasking. Nature Communications, 2014, 5, 5658.	12.8	139
12	Unique semantic space in the brain of each beholder predicts perceived similarity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14565-14570.	7.1	139
13	The meaning of "significance" for different types of research [translated and annotated by Eric-Jan Wagenmakers, Denny Borsboom, Josine Verhagen, Rogier Kievit, Marjan Bakker, Angelique Cramer, Dora Matzke, Don Mellenbergh, and Han L. J. van der Maas]. Acta Psychologica, 2014, 148, 188-194.	1.5	139
14	Cognitive psychology meets psychometric theory: On the relation between process models for decision making and latent variable models for individual differences. Psychological Review, 2011, 118, 339-356.	3.8	136
15	How are age-related differences in sleep quality associated with health outcomes? An epidemiological investigation in a UK cohort of 2406 adults. BMJ Open, 2017, 7, e014920.	1.9	136
16	Theory Construction Methodology: A Practical Framework for Building Theories in Psychology. Perspectives on Psychological Science, 2021, 16, 756-766.	9.0	127
17	Annual Research Review: The transdiagnostic revolution in neurodevelopmental disorders. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2022, 63, 397-417.	5.2	119
18	InÂvivo visualization of age-related differences in the locus coeruleus. Neurobiology of Aging, 2019, 74, 101-111.	3.1	117

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19	Lying in the scanner: Covert countermeasures disrupt deception detection by functional magnetic resonance imaging. <i>NeuroImage</i> , 2011, 55, 312-319.	4.2	113
20	Microglial activation and tau burden predict cognitive decline in Alzheimer's disease. <i>Brain</i> , 2020, 143, 1588-1602.	7.6	113
21	A watershed model of individual differences in fluid intelligence. <i>Neuropsychologia</i> , 2016, 91, 186-198.	1.6	112
22	Ageing increases reliance on sensorimotor prediction through structural and functional differences in frontostriatal circuits. <i>Nature Communications</i> , 2016, 7, 13034.	12.8	101
23	Domain-general enhancements of metacognitive ability through adaptive training.. <i>Journal of Experimental Psychology: General</i> , 2019, 148, 51-64.	2.1	101
24	Conservative and disruptive modes of adolescent change in human brain functional connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3248-3253.	7.1	96
25	Lifestyle activities in mid-life contribute to cognitive reserve in late-life, independent of education, occupation, and late-life activities. <i>Neurobiology of Aging</i> , 2018, 70, 180-183.	3.1	95
26	On the interpretation of the CHC factor Gc. <i>Intelligence</i> , 2011, 39, 292-302.	3.0	81
27	The complex neurobiology of resilient functioning after childhood maltreatment. <i>BMC Medicine</i> , 2020, 18, 32.	5.5	81
28	Windows of developmental sensitivity to social media. <i>Nature Communications</i> , 2022, 13, 1649.	12.8	81
29	Mutualistic Coupling Between Vocabulary and Reasoning Supports Cognitive Development During Late Adolescence and Early Adulthood. <i>Psychological Science</i> , 2017, 28, 1419-1431.	3.3	77
30	Noradrenergic-dependent functions are associated with age-related locus coeruleus signal intensity differences. <i>Nature Communications</i> , 2020, 11, 1712.	12.8	74
31	Individual variations in "brain age" relate to early-life factors more than to longitudinal brain change. <i>ELife</i> , 2021, 10, .	6.0	71
32	Asymmetric thinning of the cerebral cortex across the adult lifespan is accelerated in Alzheimer's disease. <i>Nature Communications</i> , 2021, 12, 721.	12.8	67
33	How common are WM deficits in children with difficulties in reading and mathematics?. <i>Journal of Applied Research in Memory and Cognition</i> , 2016, 5, 384-394.	1.1	66
34	Multiple determinants of lifespan memory differences. <i>Scientific Reports</i> , 2016, 6, 32527.	3.3	63
35	Intelligence and the brain: A model-based approach. <i>Cognitive Neuroscience</i> , 2012, 3, 89-97.	1.4	62
36	Age Differentiation within Gray Matter, White Matter, and between Memory and White Matter in an Adult Life Span Cohort. <i>Journal of Neuroscience</i> , 2018, 38, 5826-5836.	3.6	60

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37	A New Set of Three-Dimensional Shapes for Investigating Mental Rotation Processes: Validation Data and Stimulus Set. , 2015, 3, .		59
38	Symptoms of depression in a large healthy population cohort are related to subjective memory complaints and memory performance in negative contexts. <i>Psychological Medicine</i> , 2018, 48, 104-114.	4.5	57
39	The Two Disciplines of Scientific Psychology, or: The Disunity of Psychology as a Working Hypothesis. , 2009, , 67-97.		57
40	Mind the Gap: A Psychometric Approach to the Reduction Problem. <i>Psychological Inquiry</i> , 2011, 22, 67-87.	0.9	54
41	Healthy minds 0â€“100 years: Optimising the use of European brain imaging cohorts (â€œLifebrainâ€). <i>European Psychiatry</i> , 2018, 50, 47-56.	0.2	53
42	Self-reported sleep relates to hippocampal atrophy across the adult lifespan: results from the Lifebrain consortium. <i>Sleep</i> , 2020, 43, .	1.1	53
43	Educational attainment does not influence brain aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	49
44	Transdiagnostic Networks. <i>Perspectives on Psychological Science</i> , 2011, 6, 610-614.	9.0	47
45	Credit assignment to state-independent task representations and its relationship with model-based decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15871-15876.	7.1	46
46	A Hierarchical Watershed Model of Fluid Intelligence in Childhood and Adolescence. <i>Cerebral Cortex</i> , 2020, 30, 339-352.	2.9	46
47	Evolutionary psychology and intelligence research cannot be integrated the way Kanazawa (2010) suggested.. <i>American Psychologist</i> , 2011, 66, 916-917.	4.2	45
48	A Practical Guide to Variable Selection in Structural Equation Modeling by Using Regularized Multiple-Indicators, Multiple-Causes Models. <i>Advances in Methods and Practices in Psychological Science</i> , 2019, 2, 55-76.	9.4	45
49	Age-related reduction in motor adaptation: brain structural correlates and the role of explicit memory. <i>Neurobiology of Aging</i> , 2020, 90, 13-23.	3.1	42
50	A Reliable, Valid and Responsive Questionnaire to Score the Impact of Knee Complaints on Work Following Total Knee Arthroplasty: The WORQ. <i>Journal of Arthroplasty</i> , 2014, 29, 1169-1175.e2.	3.1	41
51	Mutualistic Coupling Between Vocabulary and Reasoning in Young Children: A Replication and Extension of the Study by Kievit et al. (2017). <i>Psychological Science</i> , 2019, 30, 1245-1252.	3.3	41
52	Letting the daylight in: Reviewing the reviewers and other ways to maximize transparency in science. <i>Frontiers in Computational Neuroscience</i> , 2012, 6, 20.	2.1	40
53	PowerPoint® Presentation Flaws and Failures: A Psychological Analysis. <i>Frontiers in Psychology</i> , 2012, 3, 230.	2.1	38
54	Strong and specific associations between cardiovascular risk factors and white matter micro- and macrostructure in healthy aging. <i>Neurobiology of Aging</i> , 2019, 74, 46-55.	3.1	38

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55	Neurocognitive reorganization between crystallized intelligence, fluid intelligence and white matter microstructure in two age-heterogeneous developmental cohorts. <i>Developmental Cognitive Neuroscience</i> , 2020, 41, 100743.	4.0	38
56	Decision-making ability, psychopathology, and brain connectivity. <i>Neuron</i> , 2021, 109, 2025-2040.e7.	8.1	34
57	The neural determinants of age-related changes in fluid intelligence: a pre-registered, longitudinal analysis in UK Biobank. <i>Wellcome Open Research</i> , 2018, 3, 38.	1.8	31
58	Mental rotation is not easily cognitively penetrable. <i>Journal of Cognitive Psychology</i> , 2011, 23, 60-75.	0.9	29
59	Applying causal models to explore the mechanism of action of simvastatin in progressive multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11020-11027.	7.1	28
60	Education and Income Show Heterogeneous Relationships to Lifespan Brain and Cognitive Differences Across European and US Cohorts. <i>Cerebral Cortex</i> , 2022, 32, 839-854.	2.9	25
61	Poor Self-Reported Sleep is Related to Regional Cortical Thinning in Aging but not Memory Decline—Results From the Lifebrain Consortium. <i>Cerebral Cortex</i> , 2021, 31, 1953-1969.	2.9	25
62	The volumes of subcortical regions in depressed and healthy individuals are strikingly similar: a reinterpretation of the results by Schmaal et al.. <i>Molecular Psychiatry</i> , 2016, 21, 724-725.	7.9	24
63	Compulsivity is linked to reduced adolescent development of goal-directed control and frontostriatal functional connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25911-25922.	7.1	23
64	Cognitive dimensions of learning in children with problems in attention, learning, and memory.. <i>Journal of Educational Psychology</i> , 2021, 113, 1454-1480.	2.9	23
65	Physical Activity Predicts Population-Level Age-Related Differences in Frontal White Matter. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 236-243.	3.6	22
66	Greater lifestyle engagement is associated with better age-adjusted cognitive abilities. <i>PLoS ONE</i> , 2020, 15, e0230077.	2.5	22
67	Sensitive periods in cognitive development: a mutualistic perspective. <i>Current Opinion in Behavioral Sciences</i> , 2020, 36, 144-149.	3.9	21
68	Using large, publicly available data sets to study adolescent development: opportunities and challenges. <i>Current Opinion in Psychology</i> , 2022, 44, 303-308.	4.9	20
69	Higher Autonomic Activation Predicts Better Performance in Iowa Gambling Task. <i>Cognitive and Behavioral Neurology</i> , 2011, 24, 93-98.	0.9	19
70	Effect of apolipoprotein E polymorphism on cognition and brain in the Cambridge Centre for Ageing and Neuroscience cohort. <i>Brain and Neuroscience Advances</i> , 2020, 4, 239821282096170.	3.4	17
71	Modeling Mind and Matter: Reductionism and Psychological Measurement in Cognitive Neuroscience. <i>Psychological Inquiry</i> , 2011, 22, 139-157.	0.9	16
72	Preference uncertainty accounts for developmental effects on susceptibility to peer influence in adolescence. <i>Nature Communications</i> , 2021, 12, 3823.	12.8	16

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73	Slow processing speed: a cross-disorder phenomenon with significant clinical value, and in need of further methodological scrutiny. <i>European Child and Adolescent Psychiatry</i> , 2020, 29, 1325-1327.	4.7	14
74	Well-Being and Cognition Are Coupled During Development: A Preregistered Longitudinal Study of 1,136 Children and Adolescents. <i>Clinical Psychological Science</i> , 2022, 10, 450-466.	4.0	13
75	Bridging Brain and Cognition: A Multilayer Network Analysis of Brain Structural Covariance and General Intelligence in a Developmental Sample of Struggling Learners. <i>Journal of Intelligence</i> , 2021, 9, 32.	2.5	12
76	Protocol for an app-based affective control training for adolescents: proof-of-principle double-blind randomized controlled trial. <i>Wellcome Open Research</i> , 2019, 4, 91.	1.8	12
77	Exploratory factor analysis with structured residuals for brain network data. <i>Network Neuroscience</i> , 2021, 5, 1-27.	2.6	11
78	Intrusions of autobiographical memories in individuals reporting childhood emotional maltreatment. <i>HÅgskole Utbildning</i> , 2011, 2, 7336.	3.0	10
79	Meta-analysis of generalized additive models in neuroimaging studies. <i>NeuroImage</i> , 2021, 224, 117416.	4.2	10
80	Process Overlap Theory: Strengths, Limitations, and Challenges. <i>Psychological Inquiry</i> , 2016, 27, 220-228.	0.9	8
81	The Global Brain Health Survey: Development of a Multi-Language Survey of Public Views on Brain Health. <i>Frontiers in Public Health</i> , 2020, 8, 387.	2.7	8
82	Protocol for an app-based affective control training for adolescents: proof-of-principle double-blind randomized controlled trial. <i>Wellcome Open Research</i> , 2019, 4, 91.	1.8	8
83	The genetic organization of longitudinal subcortical volumetric change is stable throughout the lifespan. <i>ELife</i> , 2021, 10, .	6.0	7
84	Mutualistic coupling of vocabulary and non-verbal reasoning in children with and without language disorder. <i>Developmental Science</i> , 2022, 25, .	2.4	7
85	Tracking Stress, Mental Health, and Resilience Factors in Medical Students Before, During, and After a Stress-Inducing Exam Period: Protocol and Proof-of-Principle Analyses for the RESIST Cohort Study. <i>JMIR Formative Research</i> , 2021, 5, e20128.	1.4	6
86	The neural determinants of age-related changes in fluid intelligence: a pre-registered, longitudinal analysis in UK Biobank. <i>Wellcome Open Research</i> , 0, 3, 38.	1.8	6
87	Public perceptions of brain health: an international, online cross-sectional survey. <i>BMJ Open</i> , 2022, 12, e057999.	1.9	6
88	Autism and perception of awareness in self and others: Two sides of the same coin or dissociated abilities?. <i>Cognitive Neuroscience</i> , 2011, 2, 119-120.	1.4	5
89	Bayesians Caught Smuggling Priors Into Rotterdam Harbor. <i>Perspectives on Psychological Science</i> , 2011, 6, 313-313.	9.0	5
90	A factor score reflecting cognitive functioning in patients from the Swiss Atrial Fibrillation Cohort Study (Swiss-AF). <i>PLoS ONE</i> , 2020, 15, e0240167.	2.5	5

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91	Assigning the right credit to the wrong action: compulsivity in the general population is associated with augmented outcome-irrelevant value-based learning. <i>Translational Psychiatry</i> , 2021, 11, 564.	4.8	3
92	Longitudinal development of language and fine motor skills is correlated, but not coupled, in a childhood atypical cohort. <i>Autism</i> , 2022, , 136236132210864.	4.1	2
93	Itâ€™s about Time. , 2021, , 123-146.		1
94	Maternal mental health mediates links between socioeconomic status and child development. <i>Current Psychology</i> , 2023, 42, 21967-21978.	2.8	1
95	Cognitive neuroscience: More is different. <i>Nature Human Behaviour</i> , 2017, 1, .	12.0	0
96	Why Your Mind Is Like a Shark: Testing the Idea of Mutualism. <i>Frontiers for Young Minds</i> , 0, 8, .	0.8	0