

Torkel Klingberg

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3916051/torkel-klingberg-publications-by-year.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.

85
papers

12,525
citations

42
h-index

90
g-index

90
ext. papers

13,882
ext. citations

6.1
avg. IF

6.81
L-index

#	Paper	IF	Citations
85	Assessing the impact of environmental factors on the adolescent brain: the importance of regional analyses and genetic controls.. <i>World Psychiatry</i> , 2022 , 21, 146-147	14.4	0
84	Working Memory Training 2022 , 606-622		
83	The impact of digital media on children's intelligence while controlling for genetic differences in cognition and socioeconomic background.. <i>Scientific Reports</i> , 2022 , 12, 7720	4.9	2
82	Working memory capacity, variability, and response to intervention at age 6 and its association to inattention and mathematics age 9. <i>Cognitive Development</i> , 2021 , 58, 101013	1.7	0
81	Training spatial cognition enhances mathematical learning in a randomized study of 17,000 children. <i>Nature Human Behaviour</i> , 2021 , 5, 1548-1554	12.8	13
80	Change by challenge: A common genetic basis behind childhood cognitive development and cognitive training. <i>Npj Science of Learning</i> , 2021 , 6, 16	6	1
79	Resting State EEG Related to Mathematical Improvement After Spatial Training in Children. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 698367	3.3	0
78	Cognitive and brain development is independently influenced by socioeconomic status and polygenic scores for educational attainment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 12411-12418	11.5	27
77	Cortical surface area of the left frontal pole is associated with visuospatial working memory capacity. <i>Neuropsychologia</i> , 2020 , 143, 107486	3.2	3
76	Inter-Individual Differences in Striatal Connectivity Is Related to Executive Function Through Fronto-Parietal Connectivity. <i>Cerebral Cortex</i> , 2020 , 30, 672-681	5.1	1
75	Structural variation within the left globus pallidus is associated with task-switching, not stimulus updating or distractor filtering. <i>Cognitive Neuroscience</i> , 2020 , 11, 229-238	1.7	0
74	Working Memory Training in Alcohol Use Disorder: A Randomized Controlled Trial. <i>Alcoholism: Clinical and Experimental Research</i> , 2019 , 43, 135-146	3.7	27
73	Improving Methodological Standards in Behavioral Interventions for Cognitive Enhancement. <i>Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice</i> , 2019 , 3, 2-29	2.4	91
72	Functional differentiation between convergence and non-convergence zones of the striatum in children. <i>NeuroImage</i> , 2018 , 173, 384-393	7.9	3
71	Short and long-term effects of a mathematics tablet intervention for low performing second graders.. <i>Journal of Educational Psychology</i> , 2018 , 110, 1127-1148	5.3	13
70	Connectivity of the Human Number Form Area Reveals Development of a Cortical Network for Mathematics. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 465	3.3	5
69	Human ROBO1 regulates white matter structure in corpus callosum. <i>Brain Structure and Function</i> , 2017 , 222, 707-716	4	4

68	Working Memory Training 2017 , 491-512		2
67	Timing of White Matter Development Determines Cognitive Abilities at School Entry but Not in Late Adolescence. <i>Cerebral Cortex</i> , 2017 , 27, 4516-4522	5.1	3
66	Specialization of the Right Intraparietal Sulcus for Processing Mathematics During Development. <i>Cerebral Cortex</i> , 2017 , 27, 4436-4446	5.1	9
65	Identification of NCAN as a candidate gene for developmental dyslexia. <i>Scientific Reports</i> , 2017 , 7, 9294	4.9	14
64	No Long-Term Effect of Physical Activity Intervention on Working Memory or Arithmetic in Preadolescents. <i>Frontiers in Psychology</i> , 2017 , 8, 1342	3.4	10
63	Transcranial Electric Stimulation Can Impair Gains during Working Memory Training and Affects the Resting State Connectivity. <i>Frontiers in Human Neuroscience</i> , 2017 , 11, 364	3.3	12
62	Grit Is Associated with Structure of Nucleus Accumbens and Gains in Cognitive Training. <i>Journal of Cognitive Neuroscience</i> , 2016 , 28, 1688-1699	3.1	16
61	Behavior and neuroimaging at baseline predict individual response to combined mathematical and working memory training in children. <i>Developmental Cognitive Neuroscience</i> , 2016 , 20, 43-51	5.5	31
60	The neuroscience of working memory capacity and training. <i>Nature Reviews Neuroscience</i> , 2016 , 17, 438-445	4.5	243
59	Neural basis of cognitive training and development. <i>Current Opinion in Behavioral Sciences</i> , 2016 , 10, 97-101	4	6
58	Quantitative susceptibility mapping of striatum in children and adults, and its association with working memory performance. <i>NeuroImage</i> , 2016 , 136, 208-14	7.9	25
57	Neonatal MRI is associated with future cognition and academic achievement in preterm children. <i>Brain</i> , 2015 , 138, 3251-62	11.2	36
56	Mutation in CEP63 co-segregating with developmental dyslexia in a Swedish family. <i>Human Genetics</i> , 2015 , 134, 1239-48	6.3	15
55	CTNND2-a candidate gene for reading problems and mild intellectual disability. <i>Journal of Medical Genetics</i> , 2015 , 52, 111-22	5.8	24
54	Benefits of a working memory training program for inattention in daily life: a systematic review and meta-analysis. <i>PLoS ONE</i> , 2015 , 10, e0119522	3.7	124
53	The role of fronto-parietal and fronto-striatal networks in the development of working memory: a longitudinal study. <i>Cerebral Cortex</i> , 2015 , 25, 1587-95	5.1	131
52	Structural maturation and brain activity predict future working memory capacity during childhood development. <i>Journal of Neuroscience</i> , 2014 , 34, 1592-8	6.6	97
51	Stratified medicine for mental disorders. <i>European Neuropsychopharmacology</i> , 2014 , 24, 5-50	1.2	121

50	Childhood cognitive development as a skill. <i>Trends in Cognitive Sciences</i> , 2014 , 18, 573-9	14	30
49	Effect of working memory training on working memory, arithmetic and following instructions. <i>Psychological Research</i> , 2014 , 78, 869-77	2.5	67
48	Music practice is associated with development of working memory during childhood and adolescence. <i>Frontiers in Human Neuroscience</i> , 2014 , 7, 926	3.3	62
47	DRD2/ANKK1 polymorphism modulates the effect of ventral striatal activation on working memory performance. <i>Neuropsychopharmacology</i> , 2014 , 39, 2357-65	8.7	26
46	Polymorphisms in the dopamine receptor 2 gene region influence improvements during working memory training in children and adolescents. <i>Journal of Cognitive Neuroscience</i> , 2014 , 26, 54-62	3.1	52
45	DCDC2 polymorphism is associated with left temporoparietal gray and white matter structures during development. <i>Journal of Neuroscience</i> , 2014 , 34, 14455-62	6.6	32
44	Trade-off between capacity and precision in visuospatial working memory. <i>Journal of Cognitive Neuroscience</i> , 2014 , 26, 211-22	3.1	12
43	Three dyslexia susceptibility genes, DYX1C1, DCDC2, and KIAA0319, affect temporo-parietal white matter structure. <i>Biological Psychiatry</i> , 2012 , 72, 671-6	7.9	114
42	Is working memory capacity fixed?. <i>Journal of Applied Research in Memory and Cognition</i> , 2012 , 1, 194-196.	6.3	22
41	Dopamine, working memory, and training induced plasticity: implications for developmental research. <i>Developmental Psychology</i> , 2012 , 48, 836-43	3.7	49
40	Brain activity during a visuospatial working memory task predicts arithmetical performance 2 years later. <i>Cerebral Cortex</i> , 2012 , 22, 1078-85	5.1	132
39	Computerized training of non-verbal reasoning and working memory in children with intellectual disability. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 271	3.3	66
38	The dyslexia candidate locus on 2p12 is associated with general cognitive ability and white matter structure. <i>PLoS ONE</i> , 2012 , 7, e50321	3.7	34
37	Influence of the COMT genotype on working memory and brain activity changes during development. <i>Biological Psychiatry</i> , 2011 , 70, 222-9	7.9	119
36	Gains in fluid intelligence after training non-verbal reasoning in 4-year-old children: a controlled, randomized study. <i>Developmental Science</i> , 2011 , 14, 591-601	4.5	166
35	The SNAP25 gene is linked to working memory capacity and maturation of the posterior cingulate cortex during childhood. <i>Biological Psychiatry</i> , 2010 , 68, 1120-5	7.9	51
34	Training and plasticity of working memory. <i>Trends in Cognitive Sciences</i> , 2010 , 14, 317-24	14	1095
33	Measuring working memory capacity with greater precision in the lower capacity ranges. <i>Developmental Neuropsychology</i> , 2010 , 35, 81-95	1.8	44

32	Mechanism for top-down control of working memory capacity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 6802-7	11.5	236
31	Working memory remediation and the D1 receptor. <i>American Journal of Psychiatry</i> , 2009 , 166, 515-6	11.9	8
30	Training and transfer effects of executive functions in preschool children. <i>Developmental Science</i> , 2009 , 12, 106-13	4.5	692
29	Changes in cortical dopamine D1 receptor binding associated with cognitive training. <i>Science</i> , 2009 , 323, 800-2	33.3	414
28	Prefrontal cortex and basal ganglia control access to working memory. <i>Nature Neuroscience</i> , 2008 , 11, 103-7	25.5	718
27	Phonological working memory with auditory presentation of pseudo-words -- an event related fMRI Study. <i>Brain Research</i> , 2008 , 1212, 48-54	3.7	57
26	Common and unique components of inhibition and working memory: an fMRI, within-subjects investigation. <i>Neuropsychologia</i> , 2008 , 46, 2668-82	3.2	149
25	Visual working memory influences the performance in virtual image-guided surgical intervention. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2007 , 21, 2044-50	5.2	24
24	Neuronal firing rates account for distractor effects on mnemonic accuracy in a visuo-spatial working memory task. <i>Biological Cybernetics</i> , 2007 , 96, 407-19	2.8	12
23	Brain activity related to working memory and distraction in children and adults. <i>Cerebral Cortex</i> , 2007 , 17, 1047-54	5.1	133
22	Stronger synaptic connectivity as a mechanism behind development of working memory-related brain activity during childhood. <i>Journal of Cognitive Neuroscience</i> , 2007 , 19, 750-60	3.1	90
21	Fronto-parietal connection asymmetry regulates working memory distractibility. <i>Journal of Integrative Neuroscience</i> , 2007 , 6, 567-96	1.5	15
20	Changes in cortical activity after training of working memory--a single-subject analysis. <i>Physiology and Behavior</i> , 2007 , 92, 186-92	3.5	176
19	Development of a superior frontal-intraparietal network for visuo-spatial working memory. <i>Neuropsychologia</i> , 2006 , 44, 2171-7	3.2	263
18	Training Working Memory. <i>The ADHD Report</i> , 2006 , 14, 6-8	1.4	2
17	Working memory and image guided surgical simulation. <i>Studies in Health Technology and Informatics</i> , 2006 , 119, 188-93	0.5	3
16	Computerized training of working memory in children with ADHD--a randomized, controlled trial. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2005 , 44, 177-86	7.2	1347
15	Diffusion tensor imaging on teenagers, born at term with moderate hypoxic-ischemic encephalopathy. <i>Pediatric Research</i> , 2005 , 58, 936-40	3.2	27

14	Visuo-spatial working memory span: a sensitive measure of cognitive deficits in children with ADHD. <i>Child Neuropsychology</i> , 2004 , 10, 155-61	2.7	152
13	Visuo-Spatial Working Memory Span: A Sensitive Measure of Cognitive Deficits in Children With ADHD. <i>Child Neuropsychology</i> , 2004 , 10, 155-161	2.7	6
12	Increased prefrontal and parietal activity after training of working memory. <i>Nature Neuroscience</i> , 2004 , 7, 75-9	25.5	981
11	Maturation of white matter is associated with the development of cognitive functions during childhood. <i>Journal of Cognitive Neuroscience</i> , 2004 , 16, 1227-33	3.1	587
10	Preterm children have disturbances of white matter at 11 years of age as shown by diffusion tensor imaging. <i>Pediatric Research</i> , 2003 , 54, 672-9	3.2	159
9	Combined analysis of DTI and fMRI data reveals a joint maturation of white and grey matter in a fronto-parietal network. <i>Cognitive Brain Research</i> , 2003 , 18, 48-57		300
8	Increased brain activity in frontal and parietal cortex underlies the development of visuospatial working memory capacity during childhood. <i>Journal of Cognitive Neuroscience</i> , 2002 , 14, 1-10	3.1	572
7	Training of working memory in children with ADHD. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2002 , 24, 781-91	2.1	727
6	Activity in motor areas while remembering action events. <i>NeuroReport</i> , 2000 , 11, 2199-201	1.7	64
5	Limitations in information processing in the human brain: neuroimaging of dual task performance and working memory tasks. <i>Progress in Brain Research</i> , 2000 , 126, 95-102	2.9	45
4	Microstructure of temporo-parietal white matter as a basis for reading ability: evidence from diffusion tensor magnetic resonance imaging. <i>Neuron</i> , 2000 , 25, 493-500	13.9	606
3	Interference between two concurrent tasks is associated with activation of overlapping fields in the cortex. <i>Cognitive Brain Research</i> , 1997 , 6, 1-8		81
2	Two different areas within the primary motor cortex of man. <i>Nature</i> , 1996 , 382, 805-7	50.4	521
1	Activation of multi-modal cortical areas underlies short-term memory. <i>European Journal of Neuroscience</i> , 1996 , 8, 1965-71	3.5	60