Markus Werkle-Bergner

List of Publications by Year
in descending order

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60 papers	3,649 citations	159585 30 h-index	155660 55 g-index
88 all docs	88 docs citations	88 times ranked	3791 citing authors

#	Article	IF	Citations
1	Noradrenergic modulation of rhythmic neural activity shapes selective attention. Trends in Cognitive Sciences, 2022, 26, 38-52.	7.8	52
2	Spectral pattern similarity analysis: Tutorial and application in developmental cognitive neuroscience. Developmental Cognitive Neuroscience, 2022, 54, 101071.	4.0	4
3	Locus coeruleus integrity is related to tau burden and memory loss in autosomal-dominant Alzheimer's disease. Neurobiology of Aging, 2022, 112, 39-54.	3.1	49
4	Age differences in diffusivity in the locus coeruleus and its ascending noradrenergic tract. NeuroImage, 2022, 251, 119022.	4.2	7
5	Tracking Age Differences in Neural Distinctiveness across Representational Levels. Journal of Neuroscience, 2021, 41, 3499-3511.	3.6	20
6	Locus coeruleus MRI contrast is associated with cortical thickness in older adults. Neurobiology of Aging, 2021, 100, 72-82.	3.1	36
7	Memory specificity is linked to repetition effects in event-related potentials across the lifespan. Developmental Cognitive Neuroscience, 2021, 48, 100926.	4.0	9
8	Electrophysiological indicators of sleepâ€associated memory consolidation in 5â€to 6â€yearâ€old children. Psychophysiology, 2021, 58, e13829.	2.4	9
9	Effects of age differences in memory formation on neural mechanisms of consolidation and retrieval. Seminars in Cell and Developmental Biology, 2021, 116, 135-145.	5.0	9
10	Single-trial characterization of neural rhythms: Potential and challenges. NeuroImage, 2020, 206, 116331.	4.2	84
11	Memory quality modulates the effect of aging on memory consolidation during sleep: Reduced maintenance but intact gain. NeuroImage, 2020, 209, 116490.	4.2	25
12	Lower MRIâ€indexed locus coeruleus integrity in autosomalâ€dominant Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e047676.	0.8	3
13	Noradrenergic Responsiveness Supports Selective Attention across the Adult Lifespan. Journal of Neuroscience, 2020, 40, 4372-4390.	3.6	47
14	Oscillatory Mechanisms of Successful Memory Formation in Younger and Older Adults Are Related to Structural Integrity. Cerebral Cortex, 2020, 30, 3744-3758.	2.9	17
15	Understanding the interplay of sleep and aging: Methodological challenges. Psychophysiology, 2020, 57, e13523.	2.4	64
16	Episodic memory consolidation during sleep in healthy aging. Sleep Medicine Reviews, 2020, 52, 101304.	8.5	28
17	(Only) time can tell: Age differences in false memory are magnified at longer delays.. Psychology and Aging, 2020, 35, 473-483.	1.6	7
18	Progress update from the hippocampal subfields group. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 439-449.	2.4	34

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19	Neural Pattern Similarity Differentially Relates to Memory Performance in Younger and Older Adults. Journal of Neuroscience, 2019, 39, 8089-8099.	3.6	29
20	Rostral locus coeruleus integrity is associated with better memory performance in older adults. Nature Human Behaviour, 2019, 3, 1203-1214.	12.0	129
21	Diminished pre-stimulus alpha-lateralization suggests compromised self-initiated attentional control of auditory processing in old age. NeuroImage, 2019, 197, 414-424.	4.2	12
22	Precise Slow Oscillationâ€“Spindle Coupling Promotes Memory Consolidation in Younger and Older Adults. Scientific Reports, 2019, 9, 1940.	3.3	151
23	False Recognition in Short-Term Memory â€“ Age-Differences in Confidence. Frontiers in Psychology, 2019, 10, 2785.	2.1	7
24	Adult age differences in the benefit of syntactic and semantic constraints for sentence processing.. Psychology and Aging, 2019, 34, 43-55.	1.6	13
25	Humans strategically shift decision bias by flexibly adjusting sensory evidence accumulation. ELife, 2019, 8, .	6.0	71
26	Optimization and validation of automated hippocampal subfield segmentation across the lifespan. Human Brain Mapping, 2018, 39, 916-931.	3.6	36
27	Hippocampal Maturation Drives Memory from Generalization to Specificity. Trends in Cognitive Sciences, 2018, 22, 676-686.	7.8	102
28	Age differences in false memory: The importance of retrieval monitoring processes and their modulation by memory quality.. Psychology and Aging, 2018, 33, 119-133.	1.6	30
29	Hippocampal maturity promotes memory distinctiveness in childhood and adolescence. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9212-9217.	7.1	97
30	10-Month-Old Infants Are Sensitive to the Time Course of Perceived Actions: Eye-Tracking and EEG Evidence. Frontiers in Psychology, 2017, 8, 1170.	2.1	6
31	On the estimation of brain signal entropy from sparse neuroimaging data. Scientific Reports, 2016, 6, 23073.	3.3	35
32	Behavioral correlates of changes in hippocampal gray matter structure during acquisition of foreign vocabulary. NeuroImage, 2016, 131, 205-213.	4.2	46
33	Atypical working memory decline across the adult lifespan in autism spectrum disorder?. Journal of Abnormal Psychology, 2015, 124, 1014-1026.	1.9	54
34	Differences in the neural signature of remembering schema-congruent and schema-incongruent events. NeuroImage, 2015, 117, 358-366.	4.2	99
35	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
36	Rhythmic neural activity indicates the contribution of attention and memory to the processing of occluded movements in 10-month-old infants. International Journal of Psychophysiology, 2015, 98, 201-212.	1.0	7

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37	Microsaccade-related brain potentials signal the focus of visuospatial attention. NeuroImage, 2015, 104, 79-88.	4.2	41
38	Coordinated within-Trial Dynamics of Low-Frequency Neural Rhythms Controls Evidence Accumulation. Journal of Neuroscience, 2014, 34, 8519-8528.	3.6	29
39	Age differences in short-term memory binding are related to working memory performance across the lifespan.. Psychology and Aging, 2014, 29, 140-149.	1.6	52
40	Peak individual alpha frequency qualifies as a stable neurophysiological trait marker in healthy younger and older adults. Psychophysiology, 2013, 50, 570-582.	2.4	196
41	Individual alpha peak frequency is related to latent factors of general cognitive abilities. NeuroImage, 2013, 79, 10-18.	4.2	149
42	The Influence of Prior Knowledge on Memory: A Developmental Cognitive Neuroscience Perspective. Frontiers in Behavioral Neuroscience, 2013, 7, 139.	2.0	191
43	Inter-individual performance differences in younger and older adults differentially relate to amplitude modulations and phase stability of oscillations controlling working memory contents. NeuroImage, 2012, 60, 71-82.	4.2	28
44	Lifespan age differences in working memory: A two-component framework. Neuroscience and Biobehavioral Reviews, 2012, 36, 2007-2033.	6.1	120
45	The two-component model of memory development, and its potential implications for educational settings. Developmental Cognitive Neuroscience, 2012, 2, S67-S77.	4.0	17
46	Amplitude modulations and inter-trial phase stability of alpha-oscillations differentially reflect working memory constraints across the lifespan. NeuroImage, 2012, 59, 646-654.	4.2	75
47	Hippocampal Subfield Volumes: Age, Vascular Risk, and Correlation with Associative Memory. Frontiers in Aging Neuroscience, 2011, 3, 2.	3.4	128
48	Binding and strategic selection in working memory: A lifespan dissociation.. Psychology and Aging, 2011, 26, 612-624.	1.6	48
49	Brain oscillatory correlates of working memory constraints. Brain Research, 2011, 1375, 93-102.	2.2	93
50	Contralateral Delay Activity Reveals Life-Span Age Differences in Top-Down Modulation of Working Memory Contents. Cerebral Cortex, 2011, 21, 2809-2819.	2.9	78
51	Episodic memory across the lifespan: The contributions of associative and strategic components. Neuroscience and Biobehavioral Reviews, 2010, 34, 1080-1091.	6.1	251
52	Adapting to changing memory retrieval demands: Evidence from event-related potentials. Brain and Cognition, 2009, 70, 123-135.	1.8	8
53	EEG gamma-band synchronization in visual coding from childhood to old age: Evidence from evoked power and inter-trial phase locking. Clinical Neurophysiology, 2009, 120, 1291-1302.	1.5	54
54	Committing memory errors with high confidence: Older adults do but children don't. Memory, 2009, 17, 169-179.	1.7	70

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55	Adult age differences in memory for nameâ€“face associations: The effects of intentional and incidental learning. Memory, 2009, 17, 220-232.	1.7	84
56	The Center of Lifespan Psychology at the Max Planck Institute for Human Development: Conceptual Agenda and Illustration of Research Activities. Acta Psychologica Sinica, 2009, 41, 1102-1122.	0.7	0
57	Associative and strategic components of episodic memory: A life-span dissociation.. Journal of Experimental Psychology: General, 2008, 137, 495-513.	2.1	185
58	Cortical EEG correlates of successful memory encoding: Implications for lifespan comparisons. Neuroscience and Biobehavioral Reviews, 2006, 30, 839-854.	6.1	121
59	Neuromodulation of associative and organizational plasticity across the life span: Empirical evidence and neurocomputational modeling. Neuroscience and Biobehavioral Reviews, 2006, 30, 775-790.	6.1	83
60	The control of memory retrieval: Insights from event-related potentials. Cognitive Brain Research, 2005, 24, 599-614.	3.0	38