Peter De Weerd

List of Publications by Year in descending order

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39 papers	1,302 citations	623734 14 h-index	414414 32 g-index
47 all docs	47 docs citations	47 times ranked	1474 citing authors

#	Article	IF	Citations
1	Responses of cells in monkey visual cortex during perceptual filling-in of an artificial scotoma. Nature, 1995, 377, 731-734.	27.8	290
2	Cue-dependent deficits in grating orientation discrimination after V4 lesions in macaques. Visual Neuroscience, 1996, 13, 529-538.	1.0	132
3	Quantifying Neural Oscillatory Synchronization: A Comparison between Spectral Coherence and Phase-Locking Value Approaches. PLoS ONE, 2016, 11, e0146443.	2.5	105
4	The impact of ultra-high field MRI on cognitive and computational neuroimaging. NeuroImage, 2018, 168, 366-382.	4.2	93
5	The impact of interference on short-term memory for visual orientation.. Journal of Experimental Psychology: Human Perception and Performance, 2015, 41, 1650-1665.	0.9	68
6	Areas V1 and V2 show microsaccadeâ€related 3â€“4â€Hz covariation in gamma power and frequency. European Journal of Neuroscience, 2016, 43, 1286-1296.	2.6	58
7	A quantitative theory of gamma synchronization in macaque V1. ELife, 2017, 6, .	6.0	57
8	Input-Dependent Frequency Modulation of Cortical Gamma Oscillations Shapes Spatial Synchronization and Enables Phase Coding. PLoS Computational Biology, 2015, 11, e1004072.	3.2	56
9	Diminished Alpha Lateralization During Working Memory but Not During Attentional Cueing in Older Adults. Cerebral Cortex, 2018, 28, 21-32.	2.9	42
10	Left parietal tACS at alpha frequency induces a shift of visuospatial attention. PLoS ONE, 2019, 14, e0217729.	2.5	30
11	White matter structure and myelin-related gene expression alterations with experience in adult rats. Progress in Neurobiology, 2020, 187, 101770.	5.7	30
12	Posttraining Transcranial Magnetic Stimulation of Striate Cortex Disrupts Consolidation Early in Visual Skill Learning. Journal of Neuroscience, 2012, 32, 1981-1988.	3.6	26
13	MicroRNA-137 regulates a glucocorticoid receptorâ€dependent signalling network: implications for the etiology of schizophrenia. Journal of Psychiatry and Neuroscience, 2014, 39, 312-320.	2.4	25
14	Phase-dependent amplification of working memory content and performance. Nature Communications, 2020, 11, 1832.	12.8	20
15	Microsaccade-rhythmic modulation of neural synchronization and coding within and across cortical areas V1 and V2. PLoS Biology, 2018, 16, e2004132.	5.6	18
16	Frequency-specific transcranial neuromodulation of alpha power alters visuospatial attention performance. Brain Research, 2022, 1782, 147834.	2.2	18
17	Hemispheric lateralization of posterior alpha reduces distracter interference during face matching. Brain Research, 2014, 1590, 56-64.	2.2	17
18	Hippocampalâ€striatal functional connectivity supports processing of temporal expectations from associative memory. Hippocampus, 2020, 30, 926-937.	1.9	16

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19	Learned interval time facilitates associate memory retrieval. Learning and Memory, 2017, 24, 158-161.	1.3	12
20	Discovering recurring patterns in electrophysiological recordings. Journal of Neuroscience Methods, 2017, 275, 66-79.	2.5	11
21	Brain-Based Binary Communication Using Spatiotemporal Features of fNIRS Responses. Frontiers in Human Neuroscience, 2020, 14, 113.	2.0	11
22	Transcranial alternating current stimulation at theta frequency to left parietal cortex impairs associative, but not perceptual, memory encoding. Neurobiology of Learning and Memory, 2021, 182, 107444.	1.9	10
23	Inconsistencies in atlas-based volumetric measures of the human nucleus basalis of Meynert: A need for high-resolution alternatives. NeuroImage, 2022, 259, 119421.	4.2	9
24	Effects of synaptic and myelin plasticity on learning in a network of Kuramoto phase oscillators. Chaos, 2019, 29, 083122.	2.5	8
25	Empirically constrained network models for contrast-dependent modulation of gamma rhythm in V1. NeuroImage, 2021, 229, 117748.	4.2	7
26	Electrophysiological evidence for internalized representations of canonical finger-number gestures and their facilitating effects on adultsâ€™ math verification performance. Scientific Reports, 2021, 11, 11776.	3.3	7
27	Feedback contribution to surface motion perception in the human early visual cortex. ELife, 2020, 9, .	6.0	7
28	Time changes: Timing contexts support event segmentation in associative memory. Psychonomic Bulletin and Review, 2022, 29, 568-580.	2.8	6
29	Molecular correlates of cortical network modulation by long-term sensory experience in the adult rat barrel cortex. Learning and Memory, 2014, 21, 305-310.	1.3	5
30	Limited transfer of visual skill in orientation discrimination to locations treated by pre-testing and subliminal exposure. Vision Research, 2018, 143, 103-116.	1.4	5
31	The Attentional Blink is Related to the Microsaccade Rate Signature. Cerebral Cortex, 2019, 29, 5190-5203.	2.9	5
32	Behavioral effects of rhythm, carrier frequency and temporal cueing on the perception of sound sequences. PLoS ONE, 2020, 15, e0234251.	2.5	4
33	See, Hear, or Feel â€“ to Speak: A Versatile Multiple-Choice Functional Near-Infrared Spectroscopy-Brain-Computer Interface Feasible With Visual, Auditory, or Tactile Instructions. Frontiers in Human Neuroscience, 2021, 15, 784522.	2.0	4
34	Canonical finger-numeral configurations facilitate the processing of Arabic numerals in adults: An Event-Related Potential study. Neuropsychologia, 2022, 170, 108214.	1.6	3
35	Within-quadrant position and orientation specificity after extensive orientation discrimination learning is related to performance gains during late learning. PLoS ONE, 2018, 13, e0201520.	2.5	2
36	Interfering with a memory without erasing its trace. Neural Networks, 2020, 121, 339-355.	5.9	1

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37	Lessons from Leslie: A Tribute to an Extraordinary Scientist and Mentor. Trends in Neurosciences, 2021, 44, 241-243.	8.6	1
38	Suppression of Face Perception during Saccadic Eye Movements. Journal of Ophthalmology, 2014, 2014, 1-7.	1.3	0
39	Audiovisual Interactions Among Near-Threshold Oscillating Stimuli in the Far Periphery Are Phase-Dependent. Frontiers in Human Neuroscience, 2021, 15, 642341.	2.0	0