

# Freek van Ede

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

3,377  
citations

236833

25  
h-index

189801

50  
g-index

76  
all docs

76  
docs citations

76  
times ranked

3017  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anticipated moments: temporal structure in attention. <i>Nature Reviews Neuroscience</i> , 2018, 19, 34-48.	4.9	401
2	Prior Expectation Mediates Neural Adaptation to Repeated Sounds in the Auditory Cortex: An MEG Study. <i>Journal of Neuroscience</i> , 2011, 31, 9118-9123.	1.7	387
3	Orienting Attention to an Upcoming Tactile Event Involves a Spatially and Temporally Specific Modulation of Sensorimotor Alpha- and Beta-Band Oscillations. <i>Journal of Neuroscience</i> , 2011, 31, 2016-2024.	1.7	305
4	Neural Oscillations: Sustained Rhythms or Transient Burst-Events?. <i>Trends in Neurosciences</i> , 2018, 41, 415-417.	4.2	142
5	Tactile expectation modulates pre-stimulus $\beta$ -band oscillations in human sensorimotor cortex. <i>NeuroImage</i> , 2010, 51, 867-876.	2.1	126
6	Concurrent visual and motor selection during visual working memory guided action. <i>Nature Neuroscience</i> , 2019, 22, 477-483.	7.1	109
7	Diverse Phase Relations among Neuronal Rhythms and Their Potential Function. <i>Trends in Neurosciences</i> , 2016, 39, 86-99.	4.2	108
8	Temporal Expectations Guide Dynamic Prioritization in Visual Working Memory through Attenuated $\beta$ -Oscillations. <i>Journal of Neuroscience</i> , 2017, 37, 437-445.	1.7	108
9	Human gaze tracks attentional focusing in memorized visual space. <i>Nature Human Behaviour</i> , 2019, 3, 462-470.	6.2	98
10	Driving Human Motor Cortical Oscillations Leads to Behaviorally Relevant Changes in Local GABA <sub>A</sub> -Inhibition: A tACS-TMS Study. <i>Journal of Neuroscience</i> , 2017, 37, 4481-4492.	1.7	96
11	Attentional Cues Affect Accuracy and Reaction Time via Different Cognitive and Neural Processes. <i>Journal of Neuroscience</i> , 2012, 32, 10408-10412.	1.7	92
12	Attentional modulations of somatosensory alpha, beta and gamma oscillations dissociate between anticipation and stimulus processing. <i>NeuroImage</i> , 2014, 97, 134-141.	2.1	83
13	Mnemonic and attentional roles for states of attenuated alpha oscillations in perceptual working memory: a review. <i>European Journal of Neuroscience</i> , 2018, 48, 2509-2515.	1.2	77
14	Temporal Expectation and Attention Jointly Modulate Auditory Oscillatory Activity in the Beta Band. <i>PLoS ONE</i> , 2015, 10, e0120288.	1.1	74
15	Joint action modulates motor system involvement during action observation in 3-year-olds. <i>Experimental Brain Research</i> , 2011, 211, 581-592.	0.7	57
16	Beyond establishing involvement: quantifying the contribution of anticipatory $\beta$ - and $\beta$ -band suppression to perceptual improvement with attention. <i>Journal of Neurophysiology</i> , 2012, 108, 2352-2362.	0.9	55
17	Identifying neuronal oscillations using rhythmicity. <i>NeuroImage</i> , 2015, 118, 256-267.	2.1	51
18	Functional but not obligatory link between microsaccades and neural modulation by covert spatial attention. <i>Nature Communications</i> , 2022, 13, .	5.8	49

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19	Decoding the influence of anticipatory states on visual perception in the presence of temporal distractors. <i>Nature Communications</i> , 2018, 9, 1449.	5.8	48
20	Unpacking Transient Event Dynamics in Electrophysiological Power Spectra. <i>Brain Topography</i> , 2019, 32, 1020-1034.	0.8	48
21	Output planning at the input stage in visual working memory. <i>Science Advances</i> , 2021, 7, .	4.7	46
22	Goal-directed and stimulus-driven selection of internal representations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24590-24598.	3.3	44
23	Visual working memory and action: Functional links and bi-directional influences. <i>Visual Cognition</i> , 2020, 28, 401-413.	0.9	38
24	Feature-based attentional weighting and spreading in visual working memory. <i>Scientific Reports</i> , 2017, 7, 42384.	1.6	37
25	Impaired corticomuscular and interhemispheric cortical beta oscillation coupling in amyotrophic lateral sclerosis. <i>Clinical Neurophysiology</i> , 2018, 129, 1479-1489.	0.7	36
26	Anticipatory neural dynamics of spatial-temporal orienting of attention in younger and older adults. <i>NeuroImage</i> , 2018, 178, 46-56.	2.1	35
27	Somatosensory Demands Modulate Muscular Beta Oscillations, Independent of Motor Demands. <i>Journal of Neuroscience</i> , 2013, 33, 10849-10857.	1.7	34
28	Preparatory $\beta$ -band oscillations reflect spatial gating independently of predictions regarding target identity. <i>Journal of Neurophysiology</i> , 2017, 117, 1385-1394.	0.9	31
29	Temporal alignment of anticipatory motor cortical beta lateralisation in hidden visual-motor sequences. <i>European Journal of Neuroscience</i> , 2018, 48, 2684-2695.	1.2	28
30	Anticipation Increases Tactile Stimulus Processing in the Ipsilateral Primary Somatosensory Cortex. <i>Cerebral Cortex</i> , 2014, 24, 2562-2571.	1.6	27
31	Multiple spatial frames for immersive working memory. <i>Nature Human Behaviour</i> , 2022, 6, 536-544.	6.2	27
32	Physiological Plausibility Can Increase Reproducibility in Cognitive Neuroscience. <i>Trends in Cognitive Sciences</i> , 2016, 20, 567-569.	4.0	26
33	Theta oscillations in 4-year-olds are sensitive to task engagement and task demands. <i>Scientific Reports</i> , 2019, 9, 6049.	1.6	26
34	Decoding visual colour from scalp electroencephalography measurements. <i>NeuroImage</i> , 2021, 237, 118030.	2.1	26
35	Both ongoing alpha and visually induced gamma oscillations show reliable diversity in their across-site phase-relations. <i>Journal of Neurophysiology</i> , 2015, 113, 1556-1563.	0.9	25
36	Dissecting beta-state changes during timed movement preparation in Parkinson's disease. <i>Progress in Neurobiology</i> , 2020, 184, 101731.	2.8	25

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37	Supramodal Theta, Gamma, and Sustained Fields Predict Modality-specific Modulations of Alpha and Beta Oscillations during Visual and Tactile Working Memory. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 1455-1472.	1.1	24
38	Time for What? Breaking Down Temporal Anticipation. <i>Trends in Neurosciences</i> , 2019, 42, 373-374.	4.2	23
39	Distinct $\hat{\mu}$ - and $\hat{\nu}$ -band rhythms over rat somatosensory cortex with similar properties as in humans. <i>Journal of Neurophysiology</i> , 2016, 115, 3030-3044.	0.9	21
40	Looking ahead in working memory to guide sequential behaviour. <i>Current Biology</i> , 2021, 31, R779-R780.	1.8	21
41	Rhythmic Components in Extracranial Brain Signals Reveal Multifaceted Task Modulation of Overlapping Neuronal Activity. <i>PLoS ONE</i> , 2016, 11, e0154881.	1.1	21
42	Temporal Expectations Prepare Visual Working Memory for Behavior. <i>Journal of Cognitive Neuroscience</i> , 2020, 32, 2320-2332.	1.1	20
43	Comparing the prioritization of items and feature-dimensions in visual working memory. <i>Journal of Vision</i> , 2020, 20, 25.	0.1	19
44	Purpose-Dependent Consequences of Temporal Expectations Serving Perception and Action. <i>Journal of Neuroscience</i> , 2020, 40, 7877-7886.	1.7	18
45	Shielding working-memory representations from temporally predictable external interference. <i>Cognition</i> , 2021, 217, 104915.	1.1	18
46	One Thing Leads to Another: Anticipating Visual Object Identity Based on Associative-Memory Templates. <i>Journal of Neuroscience</i> , 2020, 40, 4010-4020.	1.7	15
47	Rhythmic Modulation of Visual Perception by Continuous Rhythmic Auditory Stimulation. <i>Journal of Neuroscience</i> , 2021, 41, 7065-7075.	1.7	14
48	Transient beta activity and cortico-muscular connectivity during sustained motor behaviour. <i>Progress in Neurobiology</i> , 2022, 214, 102281.	2.8	14
49	Toward a neurobiology of internal selective attention. <i>Trends in Neurosciences</i> , 2021, 44, 513-515.	4.2	13
50	Movement preparation improves touch perception without awareness. <i>Cognition</i> , 2015, 137, 189-195.	1.1	10
51	Under the Mind's Hood: What We Have Learned by Watching the Brain at Work. <i>Journal of Neuroscience</i> , 2020, 40, 89-100.	1.7	10
52	Planning the Potential Future during Multi-item Visual Working Memory. <i>Journal of Cognitive Neuroscience</i> , 2022, 34, 1534-1546.	1.1	10
53	Temporal Expectations Guide Dynamic Prioritization in Visual Working Memory through Attenuated $\hat{\mu}$ Oscillations. <i>Journal of Neuroscience</i> , 2017, 37, 437-445.	1.7	9
54	Touch automatically upregulates motor readiness in humans. <i>Journal of Neurophysiology</i> , 2015, 114, 3121-3130.	0.9	7

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55	Consequences of predictable temporal structure in multi-task situations. <i>Cognition</i> , 2022, 225, 105156.	1.1	7
56	Reduced cortico-muscular beta coupling in Parkinson's disease predicts motor impairment. <i>Brain Communications</i> , 2021, 3, fcab179.	1.5	6
57	Early behavioural facilitation by temporal expectations in complex visual-motor sequences. <i>Journal of Physiology (Paris)</i> , 2016, 110, 487-496.	2.1	5
58	About time: modelling dynamic voluntary attention. <i>Trends in Cognitive Sciences</i> , 2021, 25, 821-822.	4.0	5
59	Functional biases in attentional templates from associative memory. <i>Journal of Vision</i> , 2020, 20, 7.	0.1	5
60	Early Behavioural Facilitation by Temporal Expectations in Complex Visual-motor Sequences. <i>Neuroscience</i> , 2018, 389, 74-84.	1.1	3
61	The Functional Consequences of Social Attention for Memory-guided Attention Orienting and Anticipatory Neural Dynamics. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 686-698.	1.1	3
62	Output Planning at the Input Stage: Action Imprinting for Future Memory-Guided Behaviour. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
63	Decoding the Influence of Anticipatory States on Visual Perception in the Presence of Temporal Distractors. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
64	Is the use of visual predictions dependent on expected target difficulty?. <i>Journal of Vision</i> , 2018, 18, 1145.	0.1	0