

# Eric Maris

## List of Publications by Year in descending order

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75  
papers

19,524  
citations

126907

33  
h-index

76900

74  
g-index

81  
all docs

81  
docs citations

81  
times ranked

14894  
citing authors

#	ARTICLE	IF	CITATIONS
1	FieldTrip: Open Source Software for Advanced Analysis of MEG, EEG, and Invasive Electrophysiological Data. Computational Intelligence and Neuroscience, 2011, 2011, 1-9.	1.7	7,466
2	Nonparametric statistical testing of EEG- and MEG-data. Journal of Neuroscience Methods, 2007, 164, 177-190.	2.5	6,559
3	Theta and Gamma Oscillations Predict Encoding and Retrieval of Declarative Memory. Journal of Neuroscience, 2006, 26, 7523-7531.	3.6	583
4	Loss of "Small-World" Networks in Alzheimer's Disease: Graph Analysis of fMRI Resting-State Functional Connectivity. PLoS ONE, 2010, 5, e13788.	2.5	523
5	Prior Expectation Mediates Neural Adaptation to Repeated Sounds in the Auditory Cortex: An MEG Study. Journal of Neuroscience, 2011, 31, 9118-9123.	3.6	387
6	Estimating multiple classification latent class models. Psychometrika, 1999, 64, 187-212.	2.1	317
7	Orienting Attention to an Upcoming Tactile Event Involves a Spatially and Temporally Specific Modulation of Sensorimotor Alpha- and Beta-Band Oscillations. Journal of Neuroscience, 2011, 31, 2016-2024.	3.6	305
8	Two Sides of the Same Coin. Psychological Science, 2010, 21, 260-267.	3.3	300
9	Parieto-occipital sources account for the increase in alpha activity with working memory load. Human Brain Mapping, 2007, 28, 785-792.	3.6	284
10	Nonparametric statistical testing of coherence differences. Journal of Neuroscience Methods, 2007, 163, 161-175.	2.5	246
11	Statistical testing in electrophysiological studies. Psychophysiology, 2012, 49, 549-565.	2.4	186
12	Tactile expectation modulates pre-stimulus $\beta$ -band oscillations in human sensorimotor cortex. NeuroImage, 2010, 51, 867-876.	4.2	126
13	Phase-Amplitude Coupling in Human Electroencephalography Is Spatially Distributed and Phase Diverse. Journal of Neuroscience, 2012, 32, 111-123.	3.6	117
14	Randomization tests for ERP topographies and whole spatiotemporal data matrices. Psychophysiology, 2004, 41, 142-151.	2.4	115
15	Diverse Phase Relations among Neuronal Rhythms and Their Potential Function. Trends in Neurosciences, 2016, 39, 86-99.	8.6	108
16	Psychometric latent response models. Psychometrika, 1995, 60, 523-547.	2.1	103
17	Theta oscillations locked to intended actions rhythmically modulate perception. ELife, 2017, 6, .	6.0	94
18	Attentional Cues Affect Accuracy and Reaction Time via Different Cognitive and Neural Processes. Journal of Neuroscience, 2012, 32, 10408-10412.	3.6	92

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19	Spatially distributed patterns of oscillatory coupling between high-frequency amplitudes and low-frequency phases in human iEEG. <i>NeuroImage</i> , 2011, 54, 836-850.	4.2	87
20	Covariance adjustment versus gain scoresâ€”revisited.. <i>Psychological Methods</i> , 1998, 3, 309-327.	3.5	86
21	Attentional modulations of somatosensory alpha, beta and gamma oscillations dissociate between anticipation and stimulus processing. <i>NeuroImage</i> , 2014, 97, 134-141.	4.2	83
22	Beta oscillations reflect memory and motor aspects of spoken word production. <i>Human Brain Mapping</i> , 2015, 36, 2767-2780.	3.6	82
23	Temporal Expectation and Attention Jointly Modulate Auditory Oscillatory Activity in the Beta Band. <i>PLoS ONE</i> , 2015, 10, e0120288.	2.5	74
24	Oscillatory brain responses in spoken word production reflect lexical frequency and sentential constraint. <i>Neuropsychologia</i> , 2014, 53, 146-156.	1.6	68
25	A comparison of four methods for simulating the diffusion process. <i>Behavior Research Methods</i> , 2011, 33, 443-456.	1.3	63
26	Additive and multiplicative models for gamma distributed random variables, and their application as psychometric models for response times. <i>Psychometrika</i> , 1993, 58, 445-469.	2.1	58
27	LTP-like changes induced by paired associative stimulation of the primary somatosensory cortex in humans: source analysis and associated changes in behaviour. <i>European Journal of Neuroscience</i> , 2007, 25, 2862-2874.	2.6	58
28	Beyond establishing involvement: quantifying the contribution of anticipatory $\hat{\alpha}$ - and $\hat{\beta}$ -band suppression to perceptual improvement with attention. <i>Journal of Neurophysiology</i> , 2012, 108, 2352-2362.	1.8	55
29	Identifying neuronal oscillations using rhythmicity. <i>NeuroImage</i> , 2015, 118, 256-267.	4.2	51
30	Phase-Amplitude Coupling in Rat Orbitofrontal Cortex Discriminates between Correct and Incorrect Decisions during Associative Learning. <i>Journal of Neuroscience</i> , 2014, 34, 493-505.	3.6	43
31	Recommendations and publication guidelines for studies using frequency domain and timeâ€”frequency domain analyses of neural time series. <i>Psychophysiology</i> , 2022, 59, e14052.	2.4	42
32	When does inconsistency hurt? On the relation between phonological consistency effects and the reliability of sublexical units. <i>Memory and Cognition</i> , 2000, 28, 648-656.	1.6	39
33	Evidence for fast, low-level motor resonance to action observation: An MEG study. <i>Social Neuroscience</i> , 2008, 3, 213-228.	1.3	39
34	Rhythmic neuronal synchronization in visual cortex entails spatial phase relation diversity that is modulated by stimulation and attention. <i>NeuroImage</i> , 2013, 74, 99-116.	4.2	36
35	Successful declarative memory formation is associated with ongoing activity during encoding in a distributed neocortical network related to working memory: A magnetoencephalography study. <i>Neuroscience</i> , 2006, 139, 291-297.	2.3	35
36	Somatosensory Demands Modulate Muscular Beta Oscillations, Independent of Motor Demands. <i>Journal of Neuroscience</i> , 2013, 33, 10849-10857.	3.6	34

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37	The effects of vigabatrin on spike and wave discharges in WAG/Rij rats. <i>Epilepsy Research</i> , 2007, 76, 34-40.	1.6	29
38	Anticipation Increases Tactile Stimulus Processing in the Ipsilateral Primary Somatosensory Cortex. <i>Cerebral Cortex</i> , 2014, 24, 2562-2571.	2.9	27
39	Physiological Plausibility Can Increase Reproducibility in Cognitive Neuroscience. <i>Trends in Cognitive Sciences</i> , 2016, 20, 567-569.	7.8	26
40	Decoding the memorization of individual stimuli with direct human brain recordings. <i>NeuroImage</i> , 2013, 70, 223-232.	4.2	25
41	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.	1.8	25
42	GABAergic mechanisms in absence epilepsy: a computational model of absence epilepsy simulating spike and wave discharges after vigabatrin in WAG/Rij rats. <i>European Journal of Neuroscience</i> , 2007, 25, 2783-2790.	2.6	24
43	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.	2.3	24
44	Testing the race model inequality: A nonparametric approach. <i>Journal of Mathematical Psychology</i> , 2003, 47, 507-514.	1.8	23
45	Probability matrix decomposition models. <i>Psychometrika</i> , 1996, 61, 7-29.	2.1	22
46	Generation speed in Raven's progressive matrices test. <i>Intelligence</i> , 1999, 27, 329-345.	3.0	22
47	Phonological ambiguity and context sensitivity: On sublexical clustering in visual word recognition. <i>Journal of Memory and Language</i> , 2003, 49, 375-395.	2.1	22
48	Statistically comparing <scp>EEG</scp>/<scp>MEG</scp> waveforms through successive significant univariate tests: How bad can it be?. <i>Psychophysiology</i> , 2015, 52, 440-443.	2.4	22
49	Withholding planned speech is reflected in synchronized beta-band oscillations. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 549.	2.0	21
50	Distinct $\hat{\mu}$ - and $\hat{\mu}^2$ -band rhythms over rat somatosensory cortex with similar properties as in humans. <i>Journal of Neurophysiology</i> , 2016, 115, 3030-3044.	1.8	21
51	Rhythmic Components in Extracranial Brain Signals Reveal Multifaceted Task Modulation of Overlapping Neuronal Activity. <i>PLoS ONE</i> , 2016, 11, e0154881.	2.5	21
52	Visual detection is locked to the internal dynamics of cortico-motor control. <i>PLoS Biology</i> , 2020, 18, e3000898.	5.6	18
53	The influence of height and key on the perceptual similarity of transposed melodies. <i>Perception &amp; Psychophysics</i> , 1996, 58, 1252-1259.	2.3	17
54	A resampling method for estimating the signal subspace of spatio-temporal eeg/meg data. <i>IEEE Transactions on Biomedical Engineering</i> , 2003, 50, 935-949.	4.2	16

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55	Starting and stopping mechanisms of absence epileptic seizures are revealed by hazard functions. <i>Journal of Neuroscience Methods</i> , 2006, 152, 107-115.	2.5	15
56	Sensory and cognitive neurophysiology in rats, Part 1: Controlled tactile stimulation and micro-ECOG recordings in freely moving animals. <i>Journal of Neuroscience Methods</i> , 2014, 232, 63-73.	2.5	15
57	Uncovering phase-coupled oscillatory networks in electrophysiological data. <i>Human Brain Mapping</i> , 2015, 36, 2655-2680.	3.6	13
58	A Dynamic Model for Rule Induction Tasks. <i>Journal of Mathematical Psychology</i> , 2002, 46, 455-485.	1.8	12
59	Bayesian Inference with Probability Matrix Decomposition Models. <i>Journal of Educational and Behavioral Statistics</i> , 2001, 26, 153-179.	1.7	10
60	Movement preparation improves touch perception without awareness. <i>Cognition</i> , 2015, 137, 189-195.	2.2	10
61	A MCMC-method for models with continuous latent responses. <i>Psychometrika</i> , 2002, 67, 335-350.	2.1	9
62	Complex-valued gaussian process regression for time series analysis. <i>Signal Processing</i> , 2019, 160, 215-228.	3.7	9
63	What to Do If $N$ Is Two?. <i>Journal of Cognitive Neuroscience</i> , 2022, 34, 1114-1118.	2.3	9
64	Perceptual analysis of two-way two-mode frequency data: probability matrix decomposition and two alternatives. <i>International Journal of Research in Marketing</i> , 1997, 14, 321-339.	4.2	7
65	The role of orthographic and phonological codes in the word and the pseudoword superiority effect: An analysis by means of multinomial processing tree models.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2002, 28, 1409-1431.	0.9	7
66	Touch automatically upregulates motor readiness in humans. <i>Journal of Neurophysiology</i> , 2015, 114, 3121-3130.	1.8	7
67	A word is not quite a word: On the role of sublexical phonological information in visual lexical decision. <i>Language and Cognitive Processes</i> , 2005, 20, 513-552.	2.2	6
68	Dynamic decomposition of spatiotemporal neural signals. <i>PLoS Computational Biology</i> , 2017, 13, e1005540.	3.2	4
69	On the sampling interpretation of confidence intervals and hypothesis tests in the context of conditional maximum likelihood estimation. <i>Psychometrika</i> , 1998, 63, 65-71.	2.1	3
70	Sensory and cognitive neurophysiology in rats. Part 2: Validation and demonstration. <i>Journal of Neuroscience Methods</i> , 2014, 232, 47-57.	2.5	3
71	Dual and Single Route Models for Beginning Readers. <i>Zeitschrift Fuer Psychologie Mit Zeitschrift Fuer Angewandte Psychologie</i> , 2009, 217, 159-174.	1.0	2
72	Improving the sensitivity of cluster-based statistics for functional magnetic resonance imaging data. <i>Human Brain Mapping</i> , 2021, 42, 2746-2765.	3.6	2

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73	The role of orthographic and phonological codes in the word and the pseudoword superiority effect: An analysis by means of multinomial processing tree models.. Journal of Experimental Psychology: Human Perception and Performance, 2002, 28, 1409-1431.	0.9	2
74	DOES THE BRIGHT SPOT ON THE BACK OF YOUNG ARCHER FISHES SERVE GROUP COHERENCE?. Animal Biology, 2000, 50, 401-409.	0.4	1
75	The correction of a formula in the speed-accuracy decomposition technique of Meyer, Irwin, Osman, and Kounios (1988). Journal of Mathematical Psychology, 2003, 47, 568-571.	1.8	0