

Jan Mathijs Schoffelen

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

19,269
citations

93792

39
h-index

71088

80
g-index

106
all docs

106
docs citations

106
times ranked

16388
citing authors

#	ARTICLE	IF	CITATIONS
1	Phasic modulation of visual representations during sustained attention. <i>European Journal of Neuroscience</i> , 2022, 55, 3191-3208.	1.2	11
2	Lexical Frequency and Sentence Context Influence the Brain's Response to Single Words. <i>Neurobiology of Language (Cambridge, Mass)</i> , 2022, 3, 149-179.	1.7	13
3	A unified view on beamformers for M/EEG source reconstruction. <i>NeuroImage</i> , 2022, 246, 118789.	2.1	50
4	Familiarity modulates neural tracking of sung and spoken utterances. <i>NeuroImage</i> , 2022, 252, 119049.	2.1	8
5	The Time Course of Language Production as Revealed by Pattern Classification of MEG Sensor Data. <i>Journal of Neuroscience</i> , 2022, 42, 5745-5754.	1.7	3
6	A 10-hour within-participant magnetoencephalography narrative dataset to test models of language comprehension. <i>Scientific Data</i> , 2022, 9, .	2.4	4
7	Supramodal Sentence Processing in the Human Brain: fMRI Evidence for the Influence of Syntactic Complexity in More Than 200 Participants. <i>Neurobiology of Language (Cambridge, Mass)</i> , 2022, 3, 575-598.	1.7	7
8	Estimating the influence of stroke lesions on MEG source reconstruction. <i>NeuroImage</i> , 2022, 260, 119422.	2.1	4
9	Semantic and syntactic composition of minimal adjective-noun phrases in Dutch: An MEG study. <i>Neuropsychologia</i> , 2021, 155, 107754.	0.7	14
10	Alpha Oscillations Shape Sensory Representation and Perceptual Sensitivity. <i>Journal of Neuroscience</i> , 2021, 41, 9581-9592.	1.7	25
11	The Human Connectome Project: A retrospective. <i>NeuroImage</i> , 2021, 244, 118543.	2.1	114
12	Comparison of undirected frequency-domain connectivity measures for cerebro-peripheral analysis. <i>NeuroImage</i> , 2021, 245, 118660.	2.1	9
13	Investigating the effects of pre-stimulus cortical oscillatory activity on behavior. <i>NeuroImage</i> , 2020, 223, 117351.	2.1	1
14	Issues and recommendations from the OHBM COBIDAS MEEG committee for reproducible EEG and MEG research. <i>Nature Neuroscience</i> , 2020, 23, 1473-1483.	7.1	113
15	Comparison of beamformer implementations for MEG source localization. <i>NeuroImage</i> , 2020, 216, 116797.	2.1	48
16	Sensory Modality-Independent Activation of the Brain Network for Language. <i>Journal of Neuroscience</i> , 2020, 40, 2914-2924.	1.7	19
17	Are alpha oscillations instrumental in multisensory synchrony perception?. <i>Brain Research</i> , 2020, 1734, 146744.	1.1	21
18	The frequency gradient of human resting-state brain oscillations follows cortical hierarchies. <i>ELife</i> , 2020, 9, .	2.8	77

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19	Dysregulated oscillatory connectivity in the visual system in autism spectrum disorder. <i>Brain</i> , 2019, 142, 3294-3305.	3.7	53
20	Low-Frequency Oscillations Code Speech during Verbal Working Memory. <i>Journal of Neuroscience</i> , 2019, 39, 6498-6512.	1.7	19
21	Frequency-specific brain dynamics related to prediction during language comprehension. <i>NeuroImage</i> , 2019, 198, 283-295.	2.1	38
22	A 204-subject multimodal neuroimaging dataset to study language processing. <i>Scientific Data</i> , 2019, 6, 17.	2.4	56
23	The Relation between Alpha/Beta Oscillations and the Encoding of Sentence induced Contextual Information. <i>Scientific Reports</i> , 2019, 9, 20255.	1.6	22
24	How the brain makes sense beyond the processing of single words – An MEG study. <i>NeuroImage</i> , 2019, 186, 586-594.	2.1	36
25	Stimulus-induced gamma power predicts the amplitude of the subsequent visual evoked response. <i>NeuroImage</i> , 2019, 186, 703-712.	2.1	19
26	Studying Dynamic Neural Interactions with MEG. , 2019, , 519-541.		3
27	Studying Dynamic Neural Interactions with MEG. , 2019, , 1-23.		1
28	Ghost interactions in MEG/EEG source space: A note of caution on inter-areal coupling measures. <i>NeuroImage</i> , 2018, 173, 632-643.	2.1	220
29	Theta-band Oscillations in the Middle Temporal Gyrus Reflect Novel Word Consolidation. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 621-633.	1.1	28
30	FieldTrip Made Easy: An Analysis Protocol for Group Analysis of the Auditory Steady State Brain Response in Time, Frequency, and Space. <i>Frontiers in Neuroscience</i> , 2018, 12, 711.	1.4	54
31	Dorsal and ventral cortices are coupled by cross-frequency interactions during working memory. <i>NeuroImage</i> , 2018, 178, 277-286.	2.1	27
32	Stimulus Familiarity and Expectation Jointly Modulate Neural Activity in the Visual Ventral Stream. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 1366-1377.	1.1	33
33	Assessing the utility of frequency tagging for tracking memory-based reactivation of word representations. <i>Scientific Reports</i> , 2018, 8, 7897.	1.6	8
34	Self-monitoring in the cerebral cortex: Neural responses to small pitch shifts in auditory feedback during speech production. <i>NeuroImage</i> , 2018, 179, 326-336.	2.1	18
35	Integrated analysis of anatomical and electrophysiological human intracranial data. <i>Nature Protocols</i> , 2018, 13, 1699-1723.	5.5	130
36	Robust neuronal oscillatory entrainment to speech displays individual variation in lateralisation. <i>Language, Cognition and Neuroscience</i> , 2018, 33, 943-954.	0.7	11

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37	MEG-BIDS, the brain imaging data structure extended to magnetoencephalography. <i>Scientific Data</i> , 2018, 5, 180110.	2.4	101
38	Control adjustments in speaking: Electrophysiology of the Gratton effect in picture naming. <i>Cortex</i> , 2017, 92, 289-303.	1.1	21
39	Frequency-specific directed interactions in the human brain network for language. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8083-8088.	3.3	105
40	Discourse-level semantic coherence influences beta oscillatory dynamics and the N400 during sentence comprehension. <i>Language, Cognition and Neuroscience</i> , 2017, 32, 601-617.	0.7	21
41	A Predictive Coding Perspective on Beta Oscillations during Sentence-Level Language Comprehension. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 85.	1.0	76
42	Using Brain Potentials to Functionally Localise Stroop-Like Effects in Colour and Picture Naming: Perceptual Encoding versus Word Planning. <i>PLoS ONE</i> , 2016, 11, e0161052.	1.1	12
43	Gender agreement violations modulate beta oscillatory dynamics during sentence comprehension: A comparison of second language learners and native speakers. <i>Neuropsychologia</i> , 2016, 89, 254-272.	0.7	25
44	Hippocampal-Prefrontal Theta Oscillations Support Memory Integration. <i>Current Biology</i> , 2016, 26, 450-457.	1.8	219
45	Alpha-Beta and Gamma Rhythms Subserve Feedback and Feedforward Influences among Human Visual Cortical Areas. <i>Neuron</i> , 2016, 89, 384-397.	3.8	582
46	Neural activity during sentence processing as reflected in theta, alpha, beta, and gamma oscillations. <i>NeuroImage</i> , 2016, 142, 43-54.	2.1	109
47	Temporal Expectation and Attention Jointly Modulate Auditory Oscillatory Activity in the Beta Band. <i>PLoS ONE</i> , 2015, 10, e0120288.	1.1	74
48	Directed Communication between Nucleus Accumbens and Neocortex in Humans Is Differentially Supported by Synchronization in the Theta and Alpha Band. <i>PLoS ONE</i> , 2015, 10, e0138685.	1.1	24
49	Visual Areas Exert Feedforward and Feedback Influences through Distinct Frequency Channels. <i>Neuron</i> , 2015, 85, 390-401.	3.8	1,036
50	A Tutorial Review of Functional Connectivity Analysis Methods and Their Interpretational Pitfalls. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 175.	1.2	820
51	Distinct Patterns of Brain Activity Characterise Lexical Activation and Competition in Spoken Word Production. <i>PLoS ONE</i> , 2014, 9, e88674.	1.1	85
52	Occipital Alpha Activity during Stimulus Processing Gates the Information Flow to Object-Selective Cortex. <i>PLoS Biology</i> , 2014, 12, e1001965.	2.6	175
53	Cerebral coherence between communicators marks the emergence of meaning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18183-18188.	3.3	73
54	Studying Dynamic Neural Interactions with MEG. , 2014, , 405-427.		2

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55	Metacognitive awareness of covert somatosensory attention corresponds to contralateral alpha power. <i>NeuroImage</i> , 2014, 85, 803-809.	2.1	27
56	Dissociated β -Band Modulations in the Dorsal and Ventral Visual Pathways in Visuospatial Attention and Perception. <i>Cerebral Cortex</i> , 2014, 24, 550-561.	1.6	112
57	Termination of ongoing spike-wave discharges investigated by cortico-thalamic network analyses. <i>Neurobiology of Disease</i> , 2014, 70, 127-137.	2.1	28
58	Investigating causality between interacting brain areas with multivariate autoregressive models of MEG sensor data. <i>Human Brain Mapping</i> , 2013, 34, 890-913.	1.9	21
59	Peri-ictal network dynamics of spike-wave discharges: Phase and spectral characteristics. <i>Experimental Neurology</i> , 2013, 239, 235-247.	2.0	44
60	Online and offline tools for head movement compensation in MEG. <i>NeuroImage</i> , 2013, 68, 39-48.	2.1	205
61	Good practice for conducting and reporting MEG research. <i>NeuroImage</i> , 2013, 65, 349-363.	2.1	604
62	Neural mechanisms of communicative innovation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14574-14579.	3.3	48
63	Attentional Stimulus Selection through Selective Synchronization between Monkey Visual Areas. <i>Neuron</i> , 2012, 75, 875-888.	3.8	665
64	Beta oscillations relate to the N400m during language comprehension. <i>Human Brain Mapping</i> , 2012, 33, 2898-2912.	1.9	131
65	The Dynamic Beamformer. <i>Lecture Notes in Computer Science</i> , 2012, , 148-155.	1.0	1
66	FieldTrip: Open Source Software for Advanced Analysis of MEG, EEG, and Invasive Electrophysiological Data. <i>Computational Intelligence and Neuroscience</i> , 2011, 2011, 1-9.	1.1	7,466
67	Spatiotemporal smoothing of single trial MEG data. <i>Journal of Neuroscience Methods</i> , 2011, 200, 219-228.	1.3	2
68	Improving the interpretability of all-to-all pairwise source connectivity analysis in MEG with nonhomogeneous smoothing. <i>Human Brain Mapping</i> , 2011, 32, 426-437.	1.9	16
69	Selective Movement Preparation Is Subserved by Selective Increases in Corticomuscular Gamma-Band Coherence. <i>Journal of Neuroscience</i> , 2011, 31, 6750-6758.	1.7	93
70	Corticospinal Beta-Band Synchronization Entails Rhythmic Gain Modulation. <i>Journal of Neuroscience</i> , 2010, 30, 4481-4488.	1.7	105
71	Visually induced gamma-band activity predicts speed of change detection in humans. <i>NeuroImage</i> , 2010, 51, 1162-1167.	2.1	86
72	Source connectivity analysis with MEG and EEG. <i>Human Brain Mapping</i> , 2009, 30, 1857-1865.	1.9	820

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73	Functional integration within the human pain system as revealed by Granger causality. <i>Human Brain Mapping</i> , 2009, 30, 4025-4032.	1.9	37
74	Prestimulus Oscillatory Activity in the Alpha Band Predicts Visual Discrimination Ability. <i>Journal of Neuroscience</i> , 2008, 28, 1816-1823.	1.7	740
75	Imaging the human motor system's beta-band synchronization during isometric contraction. <i>NeuroImage</i> , 2008, 41, 437-447.	2.1	96
76	Oscillatory Activity in Human Parietal and Occipital Cortex Shows Hemispheric Lateralization and Memory Effects in a Delayed Double-Step Saccade Task. <i>Cerebral Cortex</i> , 2007, 17, 2364-2374.	1.6	149
77	Modulation of Neuronal Interactions Through Neuronal Synchronization. <i>Science</i> , 2007, 316, 1609-1612.	6.0	1,197
78	Parieto-occipital sources account for the increase in alpha activity with working memory load. <i>Human Brain Mapping</i> , 2007, 28, 785-792.	1.9	284
79	Comparing spectra and coherences for groups of unequal size. <i>Journal of Neuroscience Methods</i> , 2007, 159, 337-345.	1.3	143
80	Nonparametric statistical testing of coherence differences. <i>Journal of Neuroscience Methods</i> , 2007, 163, 161-175.	1.3	246
81	Localizing human visual gamma-band activity in frequency, time and space. <i>NeuroImage</i> , 2006, 29, 764-773.	2.1	439
82	Neuronal Coherence as a Mechanism of Effective Corticospinal Interaction. <i>Science</i> , 2005, 308, 111-113.	6.0	460
83	Steady-state visual evoked potentials in the low frequency range in migraine: a study of habituation and variability phenomena. <i>International Journal of Psychophysiology</i> , 2003, 49, 165-174.	0.5	25