Mathieu Bourguignon

List of Publications by Year
in descending order

78 papers	2,336 citations	218381 26 h-index	276539 41 g-index
90 all docs	90 docs citations	90 times ranked	1779 citing authors

#	Article	IF	Citations
1	Right-hemisphere coherence to speech at pre-reading stages predicts reading performance one year later. Journal of Cognitive Psychology, 2022, 34, 179-193.	0.4	6
2	Assessing spino-cortical proprioceptive processing in childhood unilateral cerebral palsy with corticokinematic coherence. Neurophysiologie Clinique, 2022, 52, 33-43.	1.0	3
3	The role of reading experience in atypical cortical tracking of speech and speech-in-noise in dyslexia. NeuroImage, 2022, 253, 119061.	2.1	9
4	Impaired neural response to speech edges in dyslexia. Cortex, 2021, 135, 207-218.	1.1	25
5	Localization accuracy of a common beamformer for the comparison of two conditions. NeuroImage, 2021, 230, 117793.	2.1	3
6	Language Proficiency Entails Tuning Cortical Activity to Second Language Speech. Cerebral Cortex, 2021, 31, 3820-3831.	1.6	15
7	Measuring the cortical tracking of speech with optically-pumped magnetometers. NeuroImage, 2021, 233, 117969.	2.1	22
8	Temporal uncertainty enhances suppression of neural responses to predictable visual stimuli. NeuroImage, 2021, 239, 118314.	2.1	4
9	Inaccurate cortical tracking of speech in adults with impaired speech perception in noise. Brain Communications, 2021, 3, fcab186.	1.5	7
10	Mu rhythm: State of the art with special focus on cerebral palsy. Annals of Physical and Rehabilitation Medicine, 2020, 63, 439-446.	1.1	19
11	Lip-Reading Enables the Brain to Synthesize Auditory Features of Unknown Silent Speech. Journal of Neuroscience, 2020, 40, 1053-1065.	1.7	69
12	Cortical tracking of speech in noise accounts for reading strategies in children. PLoS Biology, 2020, 18, e3000840.	2.6	23
13	Feasibility and reproducibility of electroencephalography-based corticokinematic coherence. Journal of Neurophysiology, 2020, 124, 1959-1967.	0.9	15
14	Frequency-Dependent Intrinsic Electrophysiological Functional Architecture of the Human Verbal Language Network. Frontiers in Integrative Neuroscience, 2020, 14, 27.	1.0	3
15	Development of neural oscillatory activity in response to speech in children from 4 to 6 years old. Developmental Science, 2020, 23, e12947.	1.3	21
16	Tracking the Effects of Topâ€"Down Attention on Word Discrimination Using Frequency-tagged Neuromagnetic Responses. Journal of Cognitive Neuroscience, 2020, 32, 877-888.	1.1	4
17	Neocortical activity tracks the hierarchical linguistic structures of self-produced speech during reading aloud. NeuroImage, 2020, 216, 116788.	2.1	16
18	Sensorimotor Mapping With MEG: An Update on the Current State of Clinical Research and Practice With Considerations for Clinical Practice Guidelines. Journal of Clinical Neurophysiology, 2020, 37, 564-573.	0.9	11

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19	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
20	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
21	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
22	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
23	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
24	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
25	Coupling between human brain activity and body movements: Insights from non-invasive electromagnetic recordings. NeuroImage, 2019, 203, 116177.	2.1	62
26	Altered neocortical tactile but preserved auditory early change detection responses in Friedreich ataxia. Clinical Neurophysiology, 2019, 130, 1299-1310.	0.7	13
27	Synchrony, metastability, dynamic integration, and competition in the spontaneous functional connectivity of the human brain. NeuroImage, 2019, 199, 313-324.	2.1	45
28	Cortical Tracking of Speech-in-Noise Develops from Childhood to Adulthood. Journal of Neuroscience, 2019, 39, 2938-2950.	1.7	49
29	Evidence for genetically determined degeneration of proprioceptive tracts in Friedreich ataxia. Neurology, 2019, 93, e116-e124.	1.5	30
30	Comparing the potential of MEG and EEG to uncover brain tracking of speech temporal envelope. NeuroImage, 2019, 184, 201-213.	2.1	46
31	MRI-compatible pneumatic stimulator for sensorimotor mapping. Journal of Neuroscience Methods, 2019, 313, 29-36.	1.3	11
32	Contrasting functional imaging parametric maps: The mislocation problem and alternative solutions. NeuroImage, 2018, 169, 200-211.	2.1	33
33	Presurgical electromagnetic functional brain mapping in refractory focal epilepsy. Zeitschrift Fur Epileptologie, 2018, 31, 203-212.	0.2	2
34	Theta oscillations mediate pre-activation of highly expected word initial phonemes. Scientific Reports, 2018, 8, 9503.	1.6	7
35	From Auditory Rhythm Processing to Grapheme-to-Phoneme Conversion: How Neural Oscillations Can Shed Light on Developmental Dyslexia. Literacy Studies, 2018, , 147-163.	0.2	10
36	Corticokinematic coherence as a new marker for somatosensory afference in newborns. Clinical Neurophysiology, 2017, 128, 647-655.	0.7	19

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37	Amodal Atypical Neural Oscillatory Activity in Dyslexia. Clinical Psychological Science, 2017, 5, 379-401.	2.4	29
38	MEG Insight into the Spectral Dynamics Underlying Steady Isometric Muscle Contraction. Journal of Neuroscience, 2017, 37, 10421-10437.	1.7	46
39	Effect of interstimulus interval on cortical proprioceptive responses to passive finger movements. European Journal of Neuroscience, 2017, 45, 290-298.	1.2	6
40	Neural correlates of correct and failed response inhibition in heavy versus light social drinkers: an fMRI study during a go/no-go task by healthy participants. Brain Imaging and Behavior, 2017, 11, 1796-1811.	1.1	22
41	Effects of PSA Removal from NCAM on the Critical Period Plasticity Triggered by the Antidepressant Fluoxetine in the Visual Cortex. Frontiers in Cellular Neuroscience, 2016, 10, 22.	1.8	11
42	Outâ€ofâ€synchrony speech entrainment in developmental dyslexia. Human Brain Mapping, 2016, 37, 2767-2783.	1.9	159
43	Sleep in children triggers rapid reorganization of memory-related brain processes. NeuroImage, 2016, 134, 213-222.	2.1	36
44	Neural signatures of hand kinematics in leaders vs. followers: A dual-MEG study. NeuroImage, 2016, 125, 731-738.	2.1	29
45	Sensorimotor activation related to speaker vs. listener role during natural conversation. Neuroscience Letters, 2016, 614, 99-104.	1.0	14
46	Left Superior Temporal Gyrus Is Coupled to Attended Speech in a Cocktail-Party Auditory Scene. Journal of Neuroscience, 2016, 36, 1596-1606.	1.7	99
47	Reliable recording and analysis of MEG-based corticokinematic coherence in the presence of strong magnetic artifacts. Clinical Neurophysiology, 2016, 127, 1460-1469.	0.7	15
48	A geometric correction scheme for spatial leakage effects in <scp>MEG/EEG</scp> seedâ€based functional connectivity mapping. Human Brain Mapping, 2015, 36, 4604-4621.	1.9	98
49	Developmental evaluation of atypical auditory sampling in dyslexia: Functional and structural evidence. Human Brain Mapping, 2015, 36, 4986-5002.	1.9	77
50	Phasic stabilization of motor output after auditory and visual distractors. Human Brain Mapping, 2015, 36, 5168-5182.	1.9	15
51	Modulation of Rolandic Beta-Band Oscillations during Motor Simulation of Joint Actions. PLoS ONE, 2015, 10, e0131655.	1.1	7
52	Corticokinematic coherence mainly reflects movement-induced proprioceptive feedback. NeuroImage, 2015, 106, 382-390.	2.1	74
53	MEG-compatible pneumatic stimulator to elicit passive finger and toe movements. NeuroImage, 2015, 112, 310-317.	2.1	56
54	Aging reduces experience-induced sensorimotor plasticity. A magnetoencephalographic study. NeuroImage, 2015, 104, 59-68.	2.1	44

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55	Cortical kinematic processing of executed and observed goal-directed hand actions. NeuroImage, 2015, 119, 221-228.	2.1	26
56	How Early Does the Brain Distinguish between Regular Words, Irregular Words, and Pseudowords during the Reading Process? Evidence from Neurochronometric TMS. Journal of Cognitive Neuroscience, 2015, 27, 1259-1274.	1.1	18
57	Effect of movement rate on corticokinematic coherence. Neurophysiologie Clinique, 2015, 45, 469-474.	1.0	17
58	Spatial variability in cortex-muscle coherence investigated with magnetoencephalography and high-density surface electromyography. Journal of Neurophysiology, 2015, 114, 2843-2853.	0.9	16
59	Investigating the Neural Correlates of the Stroop Effect with Magnetoencephalography. Brain Topography, 2015, 28, 95-103.	0.8	15
60	Human primary motor cortex is both activated and stabilized during observation of other person's phasic motor actions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130171.	1.8	27
61	About the electrophysiological basis of resting state networks. Clinical Neurophysiology, 2014, 125, 1711-1713.	0.7	44
62	Inter- and Intra-Subject Variability of Neuromagnetic Resting State Networks. Brain Topography, 2014, 27, 620-634.	0.8	50
63	Preserved Coupling between the Reader's Voice and the Listener's Cortical Activity in Autism Spectrum Disorders. PLoS ONE, 2014, 9, e92329.	1.1	11
64	The pace of prosodic phrasing couples the listener's cortex to the reader's voice. Human Brain Mapping, 2013, 34, 314-326.	1.9	117
65	BOLD response to deviant face detection informed by P300 event-related potential parameters: A simultaneous ERPâ€“fMRI study. NeuroImage, 2013, 71, 92-103.	2.1	29
66	Coherence between magnetoencephalography and hand-action-related acceleration, force, pressure, and electromyogram. NeuroImage, 2013, 72, 83-90.	2.1	55
67	Corticokinematic coherence during active and passive finger movements. Neuroscience, 2013, 238, 361-370.	1.1	61
68	Comprehensive Functional Mapping Scheme for Non-Invasive Primary Sensorimotor Cortex Mapping. Brain Topography, 2013, 26, 511-523.	0.8	29
69	Neurophysiological activity underlying altered brain metabolism in epileptic encephalopathies with CSWS. Epilepsy Research, 2013, 105, 316-325.	0.8	22
70	Primary motor cortex and cerebellum are coupled with the kinematics of observed hand movements. NeuroImage, 2013, 66, 500-507.	2.1	35
71	MEG Correlates of Learning Novel Objects Properties in Children. PLoS ONE, 2013, 8, e69696.	1.1	7
72	Clinical added value of magnetic source imaging in the presurgical evaluation of refractory focal epilepsy. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 417-423.	0.9	71

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73	Neuronal network coherent with hand kinematics during fast repetitive hand movements. NeuroImage, 2012, 59, 1684-1691.	2.1	63
74	Functional motor-cortex mapping using corticokinematic coherence. NeuroImage, 2011, 55, 1475-1479.	2.1	81
75	Recording temporal lobe epileptic activity with MEG in a light-weight magnetic shield. Seizure: the Journal of the British Epilepsy Association, 2011, 20, 414-418.	0.9	21
76	Supplementary motor cortex involvement in reading epilepsy revealed by magnetic source imaging. Epilepsia, 2011, 52, e31-e34.	2.6	11
77	Magnetoencephalography in epilepsy patients carrying a vagus nerve stimulator. Epilepsy Research, 2011, 93, 44-52.	0.8	35
78	Neurodevelopmental Oscillatory Basis of Speech Processing in Noise. SSRN Electronic Journal, 0, , .	0.4	1