

Mathieu Bourguignon

List of Publications by Year in descending order

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Version: 2024-02-01

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	Out-of-phase synchrony speech entrainment in developmental dyslexia. <i>Human Brain Mapping</i> , 2016, 37, 2767-2783.	1.9	159
2	The pace of prosodic phrasing couples the listener's cortex to the reader's voice. <i>Human Brain Mapping</i> , 2013, 34, 314-326.	1.9	117
3	Left Superior Temporal Gyrus Is Coupled to Attended Speech in a Cocktail-Party Auditory Scene. <i>Journal of Neuroscience</i> , 2016, 36, 1596-1606.	1.7	99
4	A geometric correction scheme for spatial leakage effects in MEG/EEG seed-based functional connectivity mapping. <i>Human Brain Mapping</i> , 2015, 36, 4604-4621.	1.9	98
5	Functional motor-cortex mapping using corticokinematic coherence. <i>NeuroImage</i> , 2011, 55, 1475-1479.	2.1	81
6	Developmental evaluation of atypical auditory sampling in dyslexia: Functional and structural evidence. <i>Human Brain Mapping</i> , 2015, 36, 4986-5002.	1.9	77
7	Corticokinematic coherence mainly reflects movement-induced proprioceptive feedback. <i>NeuroImage</i> , 2015, 106, 382-390.	2.1	74
8	Clinical added value of magnetic source imaging in the presurgical evaluation of refractory focal epilepsy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012, 83, 417-423.	0.9	71
9	Lip-Reading Enables the Brain to Synthesize Auditory Features of Unknown Silent Speech. <i>Journal of Neuroscience</i> , 2020, 40, 1053-1065.	1.7	69
10	Neuronal network coherent with hand kinematics during fast repetitive hand movements. <i>NeuroImage</i> , 2012, 59, 1684-1691.	2.1	63
11	Coupling between human brain activity and body movements: Insights from non-invasive electromagnetic recordings. <i>NeuroImage</i> , 2019, 203, 116177.	2.1	62
12	Corticokinematic coherence during active and passive finger movements. <i>Neuroscience</i> , 2013, 238, 361-370.	1.1	61
13	MEG-compatible pneumatic stimulator to elicit passive finger and toe movements. <i>NeuroImage</i> , 2015, 112, 310-317.	2.1	56
14	Coherence between magnetoencephalography and hand-action-related acceleration, force, pressure, and electromyogram. <i>NeuroImage</i> , 2013, 72, 83-90.	2.1	55
15	Inter- and Intra-Subject Variability of Neuromagnetic Resting State Networks. <i>Brain Topography</i> , 2014, 27, 620-634.	0.8	50
16	Cortical Tracking of Speech-in-Noise Develops from Childhood to Adulthood. <i>Journal of Neuroscience</i> , 2019, 39, 2938-2950.	1.7	49
17	MEG Insight into the Spectral Dynamics Underlying Steady Isometric Muscle Contraction. <i>Journal of Neuroscience</i> , 2017, 37, 10421-10437.	1.7	46
18	Comparing the potential of MEG and EEG to uncover brain tracking of speech temporal envelope. <i>NeuroImage</i> , 2019, 184, 201-213.	2.1	46

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19	Synchrony, metastability, dynamic integration, and competition in the spontaneous functional connectivity of the human brain. <i>NeuroImage</i> , 2019, 199, 313-324.	2.1	45
20	About the electrophysiological basis of resting state networks. <i>Clinical Neurophysiology</i> , 2014, 125, 1711-1713.	0.7	44
21	Aging reduces experience-induced sensorimotor plasticity. A magnetoencephalographic study. <i>NeuroImage</i> , 2015, 104, 59-68.	2.1	44
22	Sleep in children triggers rapid reorganization of memory-related brain processes. <i>NeuroImage</i> , 2016, 134, 213-222.	2.1	36
23	Magnetoencephalography in epilepsy patients carrying a vagus nerve stimulator. <i>Epilepsy Research</i> , 2011, 93, 44-52.	0.8	35
24	Primary motor cortex and cerebellum are coupled with the kinematics of observed hand movements. <i>NeuroImage</i> , 2013, 66, 500-507.	2.1	35
25	Contrasting functional imaging parametric maps: The mislocation problem and alternative solutions. <i>NeuroImage</i> , 2018, 169, 200-211.	2.1	33
26	Evidence for genetically determined degeneration of proprioceptive tracts in Friedreich ataxia. <i>Neurology</i> , 2019, 93, e116-e124.	1.5	30
27	BOLD response to deviant face detection informed by P300 event-related potential parameters: A simultaneous ERP&fMRI study. <i>NeuroImage</i> , 2013, 71, 92-103.	2.1	29
28	Comprehensive Functional Mapping Scheme for Non-Invasive Primary Sensorimotor Cortex Mapping. <i>Brain Topography</i> , 2013, 26, 511-523.	0.8	29
29	Neural signatures of hand kinematics in leaders vs. followers: A dual-MEG study. <i>NeuroImage</i> , 2016, 125, 731-738.	2.1	29
30	Amodal Atypical Neural Oscillatory Activity in Dyslexia. <i>Clinical Psychological Science</i> , 2017, 5, 379-401.	2.4	29
31	Human primary motor cortex is both activated and stabilized during observation of other person's phasic motor actions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130171.	1.8	27
32	Cortical kinematic processing of executed and observed goal-directed hand actions. <i>NeuroImage</i> , 2015, 119, 221-228.	2.1	26
33	Impaired neural response to speech edges in dyslexia. <i>Cortex</i> , 2021, 135, 207-218.	1.1	25
34	Cortical tracking of speech in noise accounts for reading strategies in children. <i>PLoS Biology</i> , 2020, 18, e3000840.	2.6	23
35	Neurophysiological activity underlying altered brain metabolism in epileptic encephalopathies with CSWS. <i>Epilepsy Research</i> , 2013, 105, 316-325.	0.8	22
36	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. <i>Brain Imaging and Behavior</i> , 2017, 11, 1796-1811.	1.1	22

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37	Measuring the cortical tracking of speech with optically-pumped magnetometers. <i>NeuroImage</i> , 2021, 233, 117969.	2.1	22
38	Recording temporal lobe epileptic activity with MEG in a light-weight magnetic shield. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2011, 20, 414-418.	0.9	21
39	Development of neural oscillatory activity in response to speech in children from 4 to 6 years old. <i>Developmental Science</i> , 2020, 23, e12947.	1.3	21
40	Corticokinematic coherence as a new marker for somatosensory afference in newborns. <i>Clinical Neurophysiology</i> , 2017, 128, 647-655.	0.7	19
41	Mu rhythm: State of the art with special focus on cerebral palsy. <i>Annals of Physical and Rehabilitation Medicine</i> , 2020, 63, 439-446.	1.1	19
42	How Early Does the Brain Distinguish between Regular Words, Irregular Words, and Pseudowords during the Reading Process? Evidence from Neurochronometric TMS. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 1259-1274.	1.1	18
43	Effect of movement rate on corticokinematic coherence. <i>Neurophysiologie Clinique</i> , 2015, 45, 469-474.	1.0	17
44	Spatial variability in cortex-muscle coherence investigated with magnetoencephalography and high-density surface electromyography. <i>Journal of Neurophysiology</i> , 2015, 114, 2843-2853.	0.9	16
45	Neocortical activity tracks the hierarchical linguistic structures of self-produced speech during reading aloud. <i>NeuroImage</i> , 2020, 216, 116788.	2.1	16
46	Phasic stabilization of motor output after auditory and visual distractors. <i>Human Brain Mapping</i> , 2015, 36, 5168-5182.	1.9	15
47	Investigating the Neural Correlates of the Stroop Effect with Magnetoencephalography. <i>Brain Topography</i> , 2015, 28, 95-103.	0.8	15
48	Reliable recording and analysis of MEG-based corticokinematic coherence in the presence of strong magnetic artifacts. <i>Clinical Neurophysiology</i> , 2016, 127, 1460-1469.	0.7	15
49	Feasibility and reproducibility of electroencephalography-based corticokinematic coherence. <i>Journal of Neurophysiology</i> , 2020, 124, 1959-1967.	0.9	15
50	Language Proficiency Entails Tuning Cortical Activity to Second Language Speech. <i>Cerebral Cortex</i> , 2021, 31, 3820-3831.	1.6	15
51	Sensorimotor activation related to speaker vs. listener role during natural conversation. <i>Neuroscience Letters</i> , 2016, 614, 99-104.	1.0	14
52	Altered neocortical tactile but preserved auditory early change detection responses in Friedreich ataxia. <i>Clinical Neurophysiology</i> , 2019, 130, 1299-1310.	0.7	13
53	Supplementary motor cortex involvement in reading epilepsy revealed by magnetic source imaging. <i>Epilepsia</i> , 2011, 52, e31-e34.	2.6	11
54	Effects of PSA Removal from NCAM on the Critical Period Plasticity Triggered by the Antidepressant Fluoxetine in the Visual Cortex. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 22.	1.8	11

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55	MRI-compatible pneumatic stimulator for sensorimotor mapping. <i>Journal of Neuroscience Methods</i> , 2019, 313, 29-36.	1.3	11
56	Sensorimotor Mapping With MEG: An Update on the Current State of Clinical Research and Practice With Considerations for Clinical Practice Guidelines. <i>Journal of Clinical Neurophysiology</i> , 2020, 37, 564-573.	0.9	11
57	Preserved Coupling between the Reader's Voice and the Listener's Cortical Activity in Autism Spectrum Disorders. <i>PLoS ONE</i> , 2014, 9, e92329.	1.1	11
58	From Auditory Rhythm Processing to Grapheme-to-Phoneme Conversion: How Neural Oscillations Can Shed Light on Developmental Dyslexia. <i>Literacy Studies</i> , 2018, , 147-163.	0.2	10
59	The role of reading experience in atypical cortical tracking of speech and speech-in-noise in dyslexia. <i>NeuroImage</i> , 2022, 253, 119061.	2.1	9
60	MEG Correlates of Learning Novel Objects Properties in Children. <i>PLoS ONE</i> , 2013, 8, e69696.	1.1	7
61	Modulation of Rolandic Beta-Band Oscillations during Motor Simulation of Joint Actions. <i>PLoS ONE</i> , 2015, 10, e0131655.	1.1	7
62	Theta oscillations mediate pre-activation of highly expected word initial phonemes. <i>Scientific Reports</i> , 2018, 8, 9503.	1.6	7
63	Inaccurate cortical tracking of speech in adults with impaired speech perception in noise. <i>Brain Communications</i> , 2021, 3, fcab186.	1.5	7
64	Effect of interstimulus interval on cortical proprioceptive responses to passive finger movements. <i>European Journal of Neuroscience</i> , 2017, 45, 290-298.	1.2	6
65	Right-hemisphere coherence to speech at pre-reading stages predicts reading performance one year later. <i>Journal of Cognitive Psychology</i> , 2022, 34, 179-193.	0.4	6
66	Tracking the Effects of Top-Down Attention on Word Discrimination Using Frequency-tagged Neuromagnetic Responses. <i>Journal of Cognitive Neuroscience</i> , 2020, 32, 877-888.	1.1	4
67	Temporal uncertainty enhances suppression of neural responses to predictable visual stimuli. <i>NeuroImage</i> , 2021, 239, 118314.	2.1	4
68	Frequency-Dependent Intrinsic Electrophysiological Functional Architecture of the Human Verbal Language Network. <i>Frontiers in Integrative Neuroscience</i> , 2020, 14, 27.	1.0	3
69	Localization accuracy of a common beamformer for the comparison of two conditions. <i>NeuroImage</i> , 2021, 230, 117793.	2.1	3
70	Assessing spino-cortical proprioceptive processing in childhood unilateral cerebral palsy with corticokinematic coherence. <i>Neurophysiologie Clinique</i> , 2022, 52, 33-43.	1.0	3
71	Presurgical electromagnetic functional brain mapping in refractory focal epilepsy. <i>Zeitschrift Fur Epileptologie</i> , 2018, 31, 203-212.	0.2	2
72	Neurodevelopmental Oscillatory Basis of Speech Processing in Noise. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1

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73	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
74	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
75	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
76	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
77	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
78	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0