Xavier P De TiÃ¨ge

List of Publications by Year
in descending order

113 papers	3,227 citations	136740 32 h-index	214527 47 g-index
120 all docs	120 docs citations	120 times ranked	3614 citing authors

#	Article	IF	Citations
1	Early postmortem brain MRI findings in COVID-19 non-survivors. Neurology, 2020, 95, e2016-e2027.	1.5	212
2	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
3	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
4	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
5	Limits of Early Diagnosis of Herpes Simplex Encephalitis in Children: A Retrospective Study of 38 Cases. Clinical Infectious Diseases, 2003, 36, 1335-1339.	2.9	89
6	Functional motor-cortex mapping using corticokinematic coherence. NeuroImage, 2011, 55, 1475-1479.	2.1	81
7	Corticokinematic coherence mainly reflects movement-induced proprioceptive feedback. NeuroImage, 2015, 106, 382-390.	2.1	74
8	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
9	Recording epileptic activity with MEG in a light-weight magnetic shield. Epilepsy Research, 2008, 82, 227-231.	0.8	69
10	The spectrum of herpes simplex encephalitis in children. European Journal of Paediatric Neurology, 2008, 12, 72-81.	0.7	69
11	Metabolic evidence for remote inhibition in epilepsies with continuous spike-waves during sleep. NeuroImage, 2008, 40, 802-810.	2.1	69
12	Neuronal network coherent with hand kinematics during fast repetitive hand movements. NeuroImage, 2012, 59, 1684-1691.	2.1	63
13	Coupling between human brain activity and body movements: Insights from non-invasive electromagnetic recordings. NeuroImage, 2019, 203, 116177.	2.1	62
14	Increased Cortical Activity in Binge Drinkers during Working Memory Task: A Preliminary Assessment through a Functional Magnetic Resonance Imaging Study. PLoS ONE, 2013, 8, e62260.	1.1	60
15	Coherence between magnetoencephalography and hand-action-related acceleration, force, pressure, and electromyogram. NeuroImage, 2013, 72, 83-90.	2.1	55
16	EEG-fMRI in Children with Pharmacoresistant Focal Epilepsy. Epilepsia, 2007, 48, 385-389.	2.6	54
17	On-Scalp Optically Pumped Magnetometers versus Cryogenic Magnetoencephalography for Diagnostic Evaluation of Epilepsy in School-aged Children. Radiology, 2022, 304, 429-434.	3.6	54
18	Language development at 2years is correlated to brain microstructure in the left superior temporal gyrus at term equivalent age: A diffusion tensor imaging study. NeuroImage, 2013, 78, 145-151.	2.1	51

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19	Inter- and Intra-Subject Variability of Neuromagnetic Resting State Networks. Brain Topography, 2014, 27, 620-634.	0.8	50
20	Cortical Tracking of Speech-in-Noise Develops from Childhood to Adulthood. Journal of Neuroscience, 2019, 39, 2938-2950.	1.7	49
21	Postinfectious immune-mediated encephalitis after pediatric herpes simplex encephalitis. Brain and Development, 2005, 27, 304-307.	0.6	47
22	Clinical relevance of source location in frontal lobe epilepsy and prediction of postoperative long-term outcome. Seizure: the Journal of the British Epilepsy Association, 2014, 23, 553-559.	0.9	46
23	Comparing the potential of MEG and EEG to uncover brain tracking of speech temporal envelope. NeuroImage, 2019, 184, 201-213.	2.1	46
24	Structural and metabolic brain abnormalities in COVID-19 patients with sudden loss of smell. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1890-1901.	3.3	46
25	External Globus Pallidus Stimulation Modulates Brain Connectivity in Huntington's Disease. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 41-46.	2.4	45
26	Synchrony, metastability, dynamic integration, and competition in the spontaneous functional connectivity of the human brain. NeuroImage, 2019, 199, 313-324.	2.1	45
27	About the electrophysiological basis of resting state networks. Clinical Neurophysiology, 2014, 125, 1711-1713.	0.7	44
28	Aging reduces experience-induced sensorimotor plasticity. A magnetoencephalographic study. NeuroImage, 2015, 104, 59-68.	2.1	44
29	Current clinical magnetoencephalography practice across Europe: Are we closer to use MEG as an established clinical tool?. Seizure: the Journal of the British Epilepsy Association, 2017, 50, 53-59.	0.9	44
30	Age-related differences in practice-dependent resting-state functional connectivity related to motor sequence learning. Human Brain Mapping, 2017, 38, 923-937.	1.9	42
31	Altered transient brain dynamics in multiple sclerosis: Treatment or pathology?. Human Brain Mapping, 2019, 40, 4789-4800.	1.9	41
32	INFLUENCE OF MOTOR FUNCTIONAL MAGNETIC RESONANCE IMAGING ON THE SURGICAL MANAGEMENT OF CHILDREN AND ADOLESCENTS WITH SYMPTOMATIC FOCAL EPILEPSY. Neurosurgery, 2009, 64, 856-864.	0.6	36
33	Impaired sleep-related consolidation of declarative memories in idiopathic focal epilepsies of childhood. Epilepsy and Behavior, 2015, 43, 16-23.	0.9	36
34	Sleep in children triggers rapid reorganization of memory-related brain processes. NeuroImage, 2016, 134, 213-222.	2.1	36
35	Coexistence of Idiopathic Rolandic Epilepsy and CSWS in Two Families. Epilepsia, 2006, 47, 1723-1727.	2.6	35
36	Magnetoencephalography in epilepsy patients carrying a vagus nerve stimulator. Epilepsy Research, 2011, 93, 44-52.	0.8	35

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37	Primary motor cortex and cerebellum are coupled with the kinematics of observed hand movements. NeuroImage, 2013, 66, 500-507.	2.1	35
38	Insights into the pathophysiology of psychomotor regression in CSWS syndromes from FDGâ€PET and EEGâ€fMRI. Epilepsia, 2009, 50, 47-50.	2.6	34
39	Cerebellar cognitive disorder parallels cerebellar motor symptoms in Friedreich ataxia. Annals of Clinical and Translational Neurology, 2020, 7, 1050-1054.	1.7	32
40	Herpes simplex encephalitis: diagnostic problems and late relapse. Developmental Medicine and Child Neurology, 2006, 48, 60.	1.1	30
41	Evidence for genetically determined degeneration of proprioceptive tracts in Friedreich ataxia. Neurology, 2019, 93, e116-e124.	1.5	30
42	Spatiotemporal and spectral dynamics of multiâ€item working memory as revealed by the nâ€back task using MEG. Human Brain Mapping, 2020, 41, 2431-2446.	1.9	30
43	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
44	Comprehensive Functional Mapping Scheme for Non-Invasive Primary Sensorimotor Cortex Mapping. Brain Topography, 2013, 26, 511-523.	0.8	29
45	Auditory Magnetoencephalographic Frequency-Tagged Responses Mirror the Ongoing Segmentation Processes Underlying Statistical Learning. Brain Topography, 2017, 30, 220-232.	0.8	29
46	Brain dysconnectivity relates to disability and cognitive impairment in multiple sclerosis. Human Brain Mapping, 2021, 42, 626-643.	1.9	29
47	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
48	Resting-state Functional Connectivity is an Age-dependent Predictor of Motor Learning Abilities. Cerebral Cortex, 2017, 27, 4923-4932.	1.6	27
49	Cortical kinematic processing of executed and observed goal-directed hand actions. NeuroImage, 2015, 119, 221-228.	2.1	26
50	Do the posterior midline cortices belong to the electrophysiological default-mode network?. NeuroImage, 2019, 200, 221-230.	2.1	26
51	Multilevel Cortical Processing of Somatosensory Novelty: A Magnetoencephalography Study. Frontiers in Human Neuroscience, 2016, 10, 259.	1.0	24
52	Cortical tracking of speech in noise accounts for reading strategies in children. PLoS Biology, 2020, 18, e3000840.	2.6	23
53	Neurophysiological activity underlying altered brain metabolism in epileptic encephalopathies with CSWS. Epilepsy Research, 2013, 105, 316-325.	0.8	22
54	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

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55	Measuring the cortical tracking of speech with optically-pumped magnetometers. NeuroImage, 2021, 233, 117969.	2.1	22
56	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
57	Functional integration changes in regional brain glucose metabolism from childhood to adulthood. Human Brain Mapping, 2016, 37, 3017-3030.	1.9	21
58	Age of onset determines intrinsic functional brain architecture in Friedreich ataxia. Annals of Clinical and Translational Neurology, 2020, 7, 94-104.	1.7	21
59	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
60	The power of childrenâ€™s sleep - Improved declarative memory consolidation in children compared with adults. Scientific Reports, 2020, 10, 9979.	1.6	17
61	Metabolic evidence for episodic memory plasticity in the nonepileptic temporal lobe of patients with mesial temporal epilepsy. Epilepsia, 2011, 52, 2003-2012.	2.6	16
62	Default mode network hypometabolism in epileptic encephalopathies with CSWS. Epilepsy Research, 2014, 108, 861-871.	0.8	16
63	Neocortical activity tracks the hierarchical linguistic structures of self-produced speech during reading aloud. NeuroImage, 2020, 216, 116788.	2.1	16
64	Phasic stabilization of motor output after auditory and visual distractors. Human Brain Mapping, 2015, 36, 5168-5182.	1.9	15
65	Investigating the Neural Correlates of the Stroop Effect with Magnetoencephalography. Brain Topography, 2015, 28, 95-103.	0.8	15
66	Lack of frequency-tagged magnetic responses suggests statistical regularities remain undetected during NREM sleep. Scientific Reports, 2018, 8, 11719.	1.6	15
67	Presurgical Functional Cortical Mapping Using Electromagnetic Source Imaging. Frontiers in Neurology, 2019, 10, 628.	1.1	14
68	The role of hippocampal theta oscillations in working memory impairment in multiple sclerosis. Human Brain Mapping, 2021, 42, 1376-1390.	1.9	14
69	Altered neocortical tactile but preserved auditory early change detection responses in Friedreich ataxia. Clinical Neurophysiology, 2019, 130, 1299-1310.	0.7	13
70	Nonlinear microstructural changes in the right superior temporal sulcus and lateral occipitotemporal gyrus between 35 and 43weeks in the preterm brain. NeuroImage, 2012, 63, 104-110.	2.1	12
71	Spatiotemporal profiles of visual processing with and without primary visual cortex. NeuroImage, 2012, 63, 1464-1477.	2.1	12
72	Primary Angiitis of the Central Nervous System: Neurologic Deterioration Despite Treatment. Pediatrics, 2011, 127, e1086-e1090.	1.0	11

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73	Supplementary motor cortex involvement in reading epilepsy revealed by magnetic source imaging. Epilepsia, 2011, 52, e31-e34.	2.6	11
74	MRI-compatible pneumatic stimulator for sensorimotor mapping. Journal of Neuroscience Methods, 2019, 313, 29-36.	1.3	11
75	A qualitative awake EEG score for the diagnosis of continuous spike and waves during sleep (CSWS) syndrome in self-limited focal epilepsy (SFE): A case-control study. Seizure: the Journal of the British Epilepsy Association, 2021, 84, 34-39.	0.9	11
76	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
77	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
78	Acquired cognitive dysfunction with focal sleep spiking activity. Epilepsia, 2009, 50, 29-32.	2.6	10
79	Resting-state functional brain connectivity is related to subsequent procedural learning skills in school-aged children. NeuroImage, 2021, 240, 118368.	2.1	10
80	Changes in Functional Integration with the Non-Epileptic Temporal Lobe of Patients with Unilateral Mesiotemporal Epilepsy. PLoS ONE, 2013, 8, e67053.	1.1	10
81	Neurometabolic Resting-State Networks Derived from Seed-Based Functional Connectivity Analysis. Journal of Nuclear Medicine, 2018, 59, 1642-1643.	2.8	9
82	The role of reading experience in atypical cortical tracking of speech and speech-in-noise in dyslexia. NeuroImage, 2022, 253, 119061.	2.1	9
83	Age of onset modulates restingâ€state brain network dynamics in Friedreich Ataxia. Human Brain Mapping, 2021, 42, 5334-5344.	1.9	8
84	MEG Correlates of Learning Novel Objects Properties in Children. PLoS ONE, 2013, 8, e69696.	1.1	7
85	The consonant/vowel pattern determines the structure of orthographic representations in the left fusiform gyrus. Cortex, 2018, 101, 73-86.	1.1	7
86	Inaccurate cortical tracking of speech in adults with impaired speech perception in noise. Brain Communications, 2021, 3, fcab186.	1.5	7
87	Neuronal networks in children with continuous spikes and waves during slow sleep. Brain, 2011, 134, e177-e177.	3.7	6
88	Increased brain atrophy and lesion load is associated with stronger lower alpha MEG power in multiple sclerosis patients. NeuroImage: Clinical, 2021, 30, 102632.	1.4	6
89	Facing the hidden wall in mesial extratemporal lobe epilepsy. Epileptic Disorders, 2018, 20, 1-12.	0.7	5
90	MEG and high-density EEG resting-state networks mapping in children. Clinical Neurophysiology, 2020, 131, 2713-2715.	0.7	5

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91	Vagus Nerve Stimulation. Journal of Neurosurgery: Pediatrics, 2008, 2, 375-377.	0.8	5
92	Acquired epileptic opercular syndrome related to a heterozygous deleterious substitution in GRIN2A. Epileptic Disorders, 2017, 19, 345-350.	0.7	4
93	Clinical practice guidelines or clinical research guidelines?. Clinical Neurophysiology, 2018, 129, 2054-2055.	0.7	4
94	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
95	Hand Dexterity and Pyramidal Dysfunction in Friedreich Ataxia, A Finger Tapping Study. Movement Disorders Clinical Practice, 2021, 8, 85-91.	0.8	4
96	Automatic Processing of Numerosity in Human Neocortex Evidenced by Occipital and Parietal Neuromagnetic Responses. Cerebral Cortex Communications, 2021, 2, tgab028.	0.7	4
97	Decreased Alpha Peak Frequency Is Linked to Episodic Memory Impairment in Pathological Aging. Frontiers in Aging Neuroscience, 2021, 13, 711375.	1.7	4
98	Frequency-Dependent Intrinsic Electrophysiological Functional Architecture of the Human Verbal Language Network. Frontiers in Integrative Neuroscience, 2020, 14, 27.	1.0	3
99	Pneumatic artificial muscle-based stimulator for passive functional magnetic resonance imaging sensorimotor mapping in patients with brain tumours. Journal of Neuroscience Methods, 2021, 359, 109227.	1.3	3
100	Assessing spino-cortical proprioceptive processing in childhood unilateral cerebral palsy with corticokinematic coherence. Neurophysiologie Clinique, 2022, 52, 33-43.	1.0	3
101	Atypical resting-state functional brain connectivity in children with developmental coordination disorder. NeuroImage: Clinical, 2022, 33, 102928.	1.4	3
102	No evidence of thalamic metabolic abnormality associated with continuous spikeâ€andâ€wave during sleep. Epilepsia, 2016, 57, 1007-1008.	2.6	2
103	Presurgical electromagnetic functional brain mapping in refractory focal epilepsy. Zeitschrift Fur Epileptologie, 2018, 31, 203-212.	0.2	2
104	Novel homozygous variant of carbonic anhydrase 8 gene expanding the phenotype of cerebellar ataxia, mental retardation, and disequilibrium syndrome subtype 3. American Journal of Medical Genetics, Part A, 2020, 182, 2685-2693.	0.7	1
105	The EEG score is diagnostic of continuous spike and waves during sleep (CSWS) syndrome. Clinical Neurophysiology, 2022, 138, 132-133.	0.7	1
106	Functional Motor Mapping Using Corticokinetic Coherence. IFMBE Proceedings, 2010, , 310-313.	0.2	0
107	Case Report: Interest of Positron Emission Tomography in Pediatric Small Vessel Primary Angiitis of the Central Nervous System. Frontiers in Pediatrics, 2022, 10, 794294.	0.9	0
108	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0

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109	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
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111	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
112	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
113	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0