

Xavier P De TiÃge

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

3,227
citations

136950

32
h-index

214800

47
g-index

120
all docs

120
docs citations

120
times ranked

3614
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing spino-cortical proprioceptive processing in childhood unilateral cerebral palsy with corticokinematic coherence. <i>Neurophysiologie Clinique</i> , 2022, 52, 33-43.	2.2	3
2	Atypical resting-state functional brain connectivity in children with developmental coordination disorder. <i>NeuroImage: Clinical</i> , 2022, 33, 102928.	2.7	3
3	Case Report: Interest of Positron Emission Tomography in Pediatric Small Vessel Primary Angiitis of the Central Nervous System. <i>Frontiers in Pediatrics</i> , 2022, 10, 794294.	1.9	0
4	The role of reading experience in atypical cortical tracking of speech and speech-in-noise in dyslexia. <i>NeuroImage</i> , 2022, 253, 119061.	4.2	9
5	The EEG score is diagnostic of continuous spike and waves during sleep (CSWS) syndrome. <i>Clinical Neurophysiology</i> , 2022, 138, 132-133.	1.5	1
6	On-Scalp Optically Pumped Magnetometers versus Cryogenic Magnetoencephalography for Diagnostic Evaluation of Epilepsy in School-aged Children. <i>Radiology</i> , 2022, 304, 429-434.	7.3	54
7	The role of hippocampal theta oscillations in working memory impairment in multiple sclerosis. <i>Human Brain Mapping</i> , 2021, 42, 1376-1390.	3.6	14
8	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. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2021, 84, 34-39.	2.0	11
9	Hand Dexterity and Pyramidal Dysfunction in Friedreich Ataxia, A Finger Tapping Study. <i>Movement Disorders Clinical Practice</i> , 2021, 8, 85-91.	1.5	4
10	Brain dysconnectivity relates to disability and cognitive impairment in multiple sclerosis. <i>Human Brain Mapping</i> , 2021, 42, 626-643.	3.6	29
11	Automatic Processing of Numerosity in Human Neocortex Evidenced by Occipital and Parietal Neuromagnetic Responses. <i>Cerebral Cortex Communications</i> , 2021, 2, tgab028.	1.6	4
12	Structural and metabolic brain abnormalities in COVID-19 patients with sudden loss of smell. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1890-1901.	6.4	46
13	Increased brain atrophy and lesion load is associated with stronger lower alpha MEG power in multiple sclerosis patients. <i>NeuroImage: Clinical</i> , 2021, 30, 102632.	2.7	6
14	Measuring the cortical tracking of speech with optically-pumped magnetometers. <i>NeuroImage</i> , 2021, 233, 117969.	4.2	22
15	Pneumatic artificial muscle-based stimulator for passive functional magnetic resonance imaging sensorimotor mapping in patients with brain tumours. <i>Journal of Neuroscience Methods</i> , 2021, 359, 109227.	2.5	3
16	Decreased Alpha Peak Frequency Is Linked to Episodic Memory Impairment in Pathological Aging. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 711375.	3.4	4
17	Age of onset modulates resting-state brain network dynamics in Friedreich Ataxia. <i>Human Brain Mapping</i> , 2021, 42, 5334-5344.	3.6	8
18	Resting-state functional brain connectivity is related to subsequent procedural learning skills in school-aged children. <i>NeuroImage</i> , 2021, 240, 118368.	4.2	10

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19	Inaccurate cortical tracking of speech in adults with impaired speech perception in noise. Brain Communications, 2021, 3, fcab186.	3.3	7
20	Mu rhythm: State of the art with special focus on cerebral palsy. Annals of Physical and Rehabilitation Medicine, 2020, 63, 439-446.	2.3	19
21	MEG and high-density EEG resting-state networks mapping in children. Clinical Neurophysiology, 2020, 131, 2713-2715.	1.5	5
22	Cortical tracking of speech in noise accounts for reading strategies in children. PLoS Biology, 2020, 18, e3000840.	5.6	23
23	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.	1.2	1
24	Cerebellar cognitive disorder parallels cerebellar motor symptoms in Friedreich ataxia. Annals of Clinical and Translational Neurology, 2020, 7, 1050-1054.	3.7	32
25	Early postmortem brain MRI findings in COVID-19 non-survivors. Neurology, 2020, 95, e2016-e2027.	1.1	212
26	Frequency-Dependent Intrinsic Electrophysiological Functional Architecture of the Human Verbal Language Network. Frontiers in Integrative Neuroscience, 2020, 14, 27.	2.1	3
27	The power of children's sleep - Improved declarative memory consolidation in children compared with adults. Scientific Reports, 2020, 10, 9979.	3.3	17
28	Spatiotemporal and spectral dynamics of multi-item working memory as revealed by the n-back task using MEG. Human Brain Mapping, 2020, 41, 2431-2446.	3.6	30
29	Age of onset determines intrinsic functional brain architecture in Friedreich ataxia. Annals of Clinical and Translational Neurology, 2020, 7, 94-104.	3.7	21
30	Tracking the Effects of Top-Down Attention on Word Discrimination Using Frequency-tagged Neuromagnetic Responses. Journal of Cognitive Neuroscience, 2020, 32, 877-888.	2.3	4
31	Neocortical activity tracks the hierarchical linguistic structures of self-produced speech during reading aloud. Neurolmage, 2020, 216, 116788.	4.2	16
32	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.	1.7	11
33	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
34	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
35	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
36	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0

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37	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
38	Cortical tracking of speech in noise accounts for reading strategies in children. , 2020, 18, e3000840.		0
39	Presurgical Functional Cortical Mapping Using Electromagnetic Source Imaging. Frontiers in Neurology, 2019, 10, 628.	2.4	14
40	Altered transient brain dynamics in multiple sclerosis: Treatment or pathology?. Human Brain Mapping, 2019, 40, 4789-4800.	3.6	41
41	Coupling between human brain activity and body movements: Insights from non-invasive electromagnetic recordings. Neurolmage, 2019, 203, 116177.	4.2	62
42	Altered neocortical tactile but preserved auditory early change detection responses in Friedreich ataxia. Clinical Neurophysiology, 2019, 130, 1299-1310.	1.5	13
43	Do the posterior midline cortices belong to the electrophysiological default-mode network?. Neurolmage, 2019, 200, 221-230.	4.2	26
44	Synchrony, metastability, dynamic integration, and competition in the spontaneous functional connectivity of the human brain. Neurolmage, 2019, 199, 313-324.	4.2	45
45	Cortical Tracking of Speech-in-Noise Develops from Childhood to Adulthood. Journal of Neuroscience, 2019, 39, 2938-2950.	3.6	49
46	Evidence for genetically determined degeneration of proprioceptive tracts in Friedreich ataxia. Neurology, 2019, 93, e116-e124.	1.1	30
47	Comparing the potential of MEG and EEG to uncover brain tracking of speech temporal envelope. Neurolmage, 2019, 184, 201-213.	4.2	46
48	MRI-compatible pneumatic stimulator for sensorimotor mapping. Journal of Neuroscience Methods, 2019, 313, 29-36.	2.5	11
49	Facing the hidden wall in mesial extratemporal lobe epilepsy. Epileptic Disorders, 2018, 20, 1-12.	1.3	5
50	The consonant/vowel pattern determines the structure of orthographic representations in the left fusiform gyrus. Cortex, 2018, 101, 73-86.	2.4	7
51	Presurgical electromagnetic functional brain mapping in refractory focal epilepsy. Zeitschrift Fur Epileptologie, 2018, 31, 203-212.	0.7	2
52	Neurometabolic Resting-State Networks Derived from Seed-Based Functional Connectivity Analysis. Journal of Nuclear Medicine, 2018, 59, 1642-1643.	5.0	9
53	Lack of frequency-tagged magnetic responses suggests statistical regularities remain undetected during NREM sleep. Scientific Reports, 2018, 8, 11719.	3.3	15
54	Clinical practice guidelines or clinical research guidelines?. Clinical Neurophysiology, 2018, 129, 2054-2055.	1.5	4

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55	Resting-state Functional Connectivity is an Age-dependent Predictor of Motor Learning Abilities. Cerebral Cortex, 2017, 27, 4923-4932.	2.9	27
56	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.	2.0	44
57	Acquired epileptic opercular syndrome related to a heterozygous deleterious substitution in <i>GRIN2A</i>. Epileptic Disorders, 2017, 19, 345-350.	1.3	4
58	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.	2.1	22
59	Auditory Magnetoencephalographic Frequency-Tagged Responses Mirror the Ongoing Segmentation Processes Underlying Statistical Learning. Brain Topography, 2017, 30, 220-232.	1.8	29
60	Age-related differences in practice-dependent resting-state functional connectivity related to motor sequence learning. Human Brain Mapping, 2017, 38, 923-937.	3.6	42
61	Multilevel Cortical Processing of Somatosensory Novelty: A Magnetoencephalography Study. Frontiers in Human Neuroscience, 2016, 10, 259.	2.0	24
62	No evidence of thalamic metabolic abnormality associated with continuous spike&Candawave during sleep. Epilepsia, 2016, 57, 1007-1008.	5.1	2
63	Functional integration changes in regional brain glucose metabolism from childhood to adulthood. Human Brain Mapping, 2016, 37, 3017-3030.	3.6	21
64	Sleep in children triggers rapid reorganization of memory-related brain processes. Neurolmage, 2016, 134, 213-222.	4.2	36
65	Left Superior Temporal Gyrus Is Coupled to Attended Speech in a Cocktail-Party Auditory Scene. Journal of Neuroscience, 2016, 36, 1596-1606.	3.6	99
66	A geometric correction scheme for spatial leakage effects in <scp>MEG/EEG</scp> seed&Cbased functional connectivity mapping. Human Brain Mapping, 2015, 36, 4604-4621.	3.6	98
67	Phasic stabilization of motor output after auditory and visual distractors. Human Brain Mapping, 2015, 36, 5168-5182.	3.6	15
68	Impaired sleep-related consolidation of declarative memories in idiopathic focal epilepsies of childhood. Epilepsy and Behavior, 2015, 43, 16-23.	1.7	36
69	Corticokinematic coherence mainly reflects movement-induced proprioceptive feedback. Neurolmage, 2015, 106, 382-390.	4.2	74
70	Aging reduces experience-induced sensorimotor plasticity. A magnetoencephalographic study. Neurolmage, 2015, 104, 59-68.	4.2	44
71	Cortical kinematic processing of executed and observed goal-directed hand actions. Neurolmage, 2015, 119, 221-228.	4.2	26
72	Investigating the Neural Correlates of the Stroop Effect with Magnetoencephalography. Brain Topography, 2015, 28, 95-103.	1.8	15

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73	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.	4.0	27
74	About the electrophysiological basis of resting state networks. <i>Clinical Neurophysiology</i> , 2014, 125, 1711-1713.	1.5	44
75	Inter- and Intra-Subject Variability of Neuromagnetic Resting State Networks. <i>Brain Topography</i> , 2014, 27, 620-634.	1.8	50
76	Clinical relevance of source location in frontal lobe epilepsy and prediction of postoperative long-term outcome. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2014, 23, 553-559.	2.0	46
77	Default mode network hypometabolism in epileptic encephalopathies with CSWS. <i>Epilepsy Research</i> , 2014, 108, 861-871.	1.6	16
78	Preserved Coupling between the Reader's Voice and the Listener's Cortical Activity in Autism Spectrum Disorders. <i>PLoS ONE</i> , 2014, 9, e92329.	2.5	11
79	The pace of prosodic phrasing couples the listener's cortex to the reader's voice. <i>Human Brain Mapping</i> , 2013, 34, 314-326.	3.6	117
80	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.	4.2	29
81	Language development at 2years is correlated to brain microstructure in the left superior temporal gyrus at term equivalent age: A diffusion tensor imaging study. <i>NeuroImage</i> , 2013, 78, 145-151.	4.2	51
82	Coherence between magnetoencephalography and hand-action-related acceleration, force, pressure, and electromyogram. <i>NeuroImage</i> , 2013, 72, 83-90.	4.2	55
83	Comprehensive Functional Mapping Scheme for Non-Invasive Primary Sensorimotor Cortex Mapping. <i>Brain Topography</i> , 2013, 26, 511-523.	1.8	29
84	Neurophysiological activity underlying altered brain metabolism in epileptic encephalopathies with CSWS. <i>Epilepsy Research</i> , 2013, 105, 316-325.	1.6	22
85	Primary motor cortex and cerebellum are coupled with the kinematics of observed hand movements. <i>NeuroImage</i> , 2013, 66, 500-507.	4.2	35
86	MEG Correlates of Learning Novel Objects Properties in Children. <i>PLoS ONE</i> , 2013, 8, e69696.	2.5	7
87	Increased Cortical Activity in Binge Drinkers during Working Memory Task: A Preliminary Assessment through a Functional Magnetic Resonance Imaging Study. <i>PLoS ONE</i> , 2013, 8, e62260.	2.5	60
88	Changes in Functional Integration with the Non-Epileptic Temporal Lobe of Patients with Unilateral Mesiotemporal Epilepsy. <i>PLoS ONE</i> , 2013, 8, e67053.	2.5	10
89	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.	1.9	71
90	Neuronal network coherent with hand kinematics during fast repetitive hand movements. <i>NeuroImage</i> , 2012, 59, 1684-1691.	4.2	63

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91	Nonlinear microstructural changes in the right superior temporal sulcus and lateral occipitotemporal gyrus between 35 and 43weeks in the preterm brain. <i>NeuroImage</i> , 2012, 63, 104-110.	4.2	12
92	Spatiotemporal profiles of visual processing with and without primary visual cortex. <i>NeuroImage</i> , 2012, 63, 1464-1477.	4.2	12
93	Primary Angiitis of the Central Nervous System: Neurologic Deterioration Despite Treatment. <i>Pediatrics</i> , 2011, 127, e1086-e1090.	2.1	11
94	Functional motor-cortex mapping using corticokinematic coherence. <i>NeuroImage</i> , 2011, 55, 1475-1479.	4.2	81
95	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.	2.0	21
96	Supplementary motor cortex involvement in reading epilepsy revealed by magnetic source imaging. <i>Epilepsia</i> , 2011, 52, e31-e34.	5.1	11
97	Metabolic evidence for episodic memory plasticity in the nonepileptic temporal lobe of patients with mesial temporal epilepsy. <i>Epilepsia</i> , 2011, 52, 2003-2012.	5.1	16
98	External Globus Pallidus Stimulation Modulates Brain Connectivity in Huntington's Disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 41-46.	4.3	45
99	Magnetoencephalography in epilepsy patients carrying a vagus nerve stimulator. <i>Epilepsy Research</i> , 2011, 93, 44-52.	1.6	35
100	Neuronal networks in children with continuous spikes and waves during slow sleep. <i>Brain</i> , 2011, 134, e177-e177.	7.6	6
101	Functional Motor Mapping Using Corticokinetic Coherence. <i>IFMBE Proceedings</i> , 2010, , 310-313.	0.3	0
102	Acquired cognitive dysfunction with focal sleep spiking activity. <i>Epilepsia</i> , 2009, 50, 29-32.	5.1	10
103	Insights into the pathophysiology of psychomotor regression in CSWS syndromes from FDGâ€PET and EEGâ€fMRI. <i>Epilepsia</i> , 2009, 50, 47-50.	5.1	34
104	INFLUENCE OF MOTOR FUNCTIONAL MAGNETIC RESONANCE IMAGING ON THE SURGICAL MANAGEMENT OF CHILDREN AND ADOLESCENTS WITH SYMPTOMATIC FOCAL EPILEPSY. <i>Neurosurgery</i> , 2009, 64, 856-864.	1.1	36
105	Recording epileptic activity with MEG in a light-weight magnetic shield. <i>Epilepsy Research</i> , 2008, 82, 227-231.	1.6	69
106	The spectrum of herpes simplex encephalitis in children. <i>European Journal of Paediatric Neurology</i> , 2008, 12, 72-81.	1.6	69
107	Metabolic evidence for remote inhibition in epilepsies with continuous spike-waves during sleep. <i>NeuroImage</i> , 2008, 40, 802-810.	4.2	69
108	Vagus Nerve Stimulation. <i>Journal of Neurosurgery: Pediatrics</i> , 2008, 2, 375-377.	1.3	5

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109	EEG-fMRI in Children with Pharmacoresistant Focal Epilepsy. <i>Epilepsia</i> , 2007, 48, 385-389.	5.1	54
110	Herpes simplex encephalitis: diagnostic problems and late relapse. <i>Developmental Medicine and Child Neurology</i> , 2006, 48, 60.	2.1	30
111	Coexistence of Idiopathic Rolandic Epilepsy and CSWS in Two Families. <i>Epilepsia</i> , 2006, 47, 1723-1727.	5.1	35
112	Postinfectious immune-mediated encephalitis after pediatric herpes simplex encephalitis. <i>Brain and Development</i> , 2005, 27, 304-307.	1.1	47
113	Limits of Early Diagnosis of Herpes Simplex Encephalitis in Children: A Retrospective Study of 38 Cases. <i>Clinical Infectious Diseases</i> , 2003, 36, 1335-1339.	5.8	89