

Pieter van Mierlo

List of Publications by Year in descending order

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44
papers

1,255
citations

394421

19
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377865

34
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44
all docs

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docs citations

44
times ranked

1449
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional brain connectivity from EEG in epilepsy: Seizure prediction and epileptogenic focus localization. <i>Progress in Neurobiology</i> , 2014, 121, 19-35.	5.7	257
2	Ictal Onset localization through connectivity analysis of intracranial EEG signals in patients with refractory epilepsy. <i>Epilepsia</i> , 2013, 54, 1409-1418.	5.1	116
3	Accurate epileptogenic focus localization through time-variant functional connectivity analysis of intracranial electroencephalographic signals. <i>NeuroImage</i> , 2011, 56, 1122-1133.	4.2	75
4	Directed Functional Brain Connectivity Based on EEG Source Imaging: Methodology and Application to Temporal Lobe Epilepsy. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2619-2628.	4.2	60
5	Automated diagnosis of temporal lobe epilepsy in the absence of interictal spikes. <i>NeuroImage: Clinical</i> , 2018, 17, 10-15.	2.7	52
6	EEG source connectivity to localize the seizure onset zone in patients with drug resistant epilepsy. <i>NeuroImage: Clinical</i> , 2017, 16, 689-698.	2.7	50
7	Seizure Onset Zone Localization from Ictal High-Density EEG in Refractory Focal Epilepsy. <i>Brain Topography</i> , 2017, 30, 257-271.	1.8	50
8	Network Perspectives on Epilepsy Using EEG/MEG Source Connectivity. <i>Frontiers in Neurology</i> , 2019, 10, 721.	2.4	50
9	Automated EEG source imaging: A retrospective, blinded clinical validation study. <i>Clinical Neurophysiology</i> , 2018, 129, 2403-2410.	1.5	48
10	Tracking slow modulations in synaptic gain using dynamic causal modelling: Validation in epilepsy. <i>NeuroImage</i> , 2015, 107, 117-126.	4.2	43
11	Automated long-term EEG analysis to localize the epileptogenic zone. <i>Epilepsia Open</i> , 2017, 2, 322-333.	2.4	41
12	Ictal EEG source localization in focal epilepsy: Review and future perspectives. <i>Clinical Neurophysiology</i> , 2020, 131, 2600-2616.	1.5	37
13	Interictal epileptogenic zone localization in patients with focal epilepsy using electric source imaging and directed functional connectivity from low-density EEG. <i>Epilepsia Open</i> , 2019, 4, 281-292.	2.4	32
14	When will a stuttering moment occur? The determining role of speech motor preparation. <i>Neuropsychologia</i> , 2016, 86, 93-102.	1.6	31
15	EEG Derived Brain Activity Reflects Treatment Response from Vagus Nerve Stimulation in Patients with Epilepsy. <i>International Journal of Neural Systems</i> , 2017, 27, 1650048.	5.2	25
16	Abnormal directed connectivity of resting state networks in focal epilepsy. <i>NeuroImage: Clinical</i> , 2020, 27, 102336.	2.7	24
17	Tracking Dynamic Interactions Between Structural and Functional Connectivity: A TMS/EEG-dMRI Study. <i>Brain Connectivity</i> , 2017, 7, 84-97.	1.7	23
18	Bayesian model selection of template forward models for EEG source reconstruction. <i>NeuroImage</i> , 2014, 93, 11-22.	4.2	21

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19	Increased motor preparation activity during fluent single word production in DS: A correlate for stuttering frequency and severity. <i>Neuropsychologia</i> , 2015, 75, 1-10.	1.6	21
20	Modulation of Hippocampal Activity by Vagus Nerve Stimulation in Freely Moving Rats. <i>Brain Stimulation</i> , 2016, 9, 124-132.	1.6	21
21	The neural correlates of psychosocial stress: A systematic review and meta-analysis of spectral analysis EEG studies. <i>Neurobiology of Stress</i> , 2022, 18, 100452.	4.0	21
22	Neurophysiological sensitivity for impaired phonological processing in the acute stage of aphasia. <i>Brain and Language</i> , 2015, 149, 84-96.	1.6	17
23	Sex Differences in Neurophysiological Activation Patterns During Phonological Input Processing: An Influencing Factor for Normative Data. <i>Archives of Sexual Behavior</i> , 2015, 44, 2207-2218.	1.9	16
24	Electrical source imaging of interictal spikes using multiple sparse volumetric priors for presurgical epileptogenic focus localization. <i>NeuroImage: Clinical</i> , 2016, 11, 252-263.	2.7	16
25	Ictal EEG source imaging and connectivity to localize the seizure onset zone in extratemporal lobe epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020, 78, 18-30.	2.0	14
26	Vagus Nerve Stimulation Elicits Sleep EEG Desynchronization and Network Changes in Responder Patients in Epilepsy. <i>Neurotherapeutics</i> , 2021, 18, 2623-2638.	4.4	13
27	Influence of Time-Series Normalization, Number of Nodes, Connectivity and Graph Measure Selection on Seizure-Onset Zone Localization from Intracranial EEG. <i>Brain Topography</i> , 2018, 31, 753-766.	1.8	12
28	Automated interictal source localisation based on high-density EEG. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2021, 92, 244-251.	2.0	11
29	Automated ictal EEG source imaging: A retrospective, blinded clinical validation study. <i>Clinical Neurophysiology</i> , 2022, 141, 119-125.	1.5	10
30	Evaluation of Directed Causality Measures and Lag Estimations in Multivariate Time-Series. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 620338.	2.5	7
31	Multiple sparse volumetric priors for distributed EEG source reconstruction. <i>NeuroImage</i> , 2014, 100, 715-724.	4.2	6
32	The Electrophysiological Correlates of Phoneme Perception in Primary Progressive Aphasia: A Preliminary Case Series. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 618549.	2.0	6
33	Language and Speech Markers of Primary Progressive Aphasia: A Systematic Review. <i>American Journal of Speech-Language Pathology</i> , 2020, 29, 2206-2225.	1.8	6
34	CNV amplitude as a neural correlate for stuttering frequency: A case report of acquired stuttering. <i>Neuropsychologia</i> , 2014, 64, 349-359.	1.6	5
35	Diagnosis of epilepsy after first seizure. Introducing the SWISS FIRST study. <i>Clinical and Translational Neuroscience</i> , 2020, 4, 2514183X2093944.	0.9	4
36	Automated electrical source imaging with scalp EEG to define the insular irritative zone: Comparison with simultaneous intracranial EEG. <i>Clinical Neurophysiology</i> , 2021, 132, 2965-2978.	1.5	4

#	ARTICLE	IF	CITATIONS
37	Little effort with big effect – implementing the new IFCN 2017 recommendations on standard EEGs. <i>Clinical Neurophysiology</i> , 2018, 129, 2433-2434.	1.5	3

38 Tracking Multifocal Epilepsy With Automated Electric Source Imaging in a Patient With Triple-X