Maeike Zijlmans

List of Publications by Year
in descending order

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78 papers	4,232 citations	136740 32 h-index	118652 62 g-index
82 all docs	82 docs citations	82 times ranked	3020 citing authors

#	Article	IF	Citations
1	Highâ€frequency electroencephalographic oscillations correlate with outcome of epilepsy surgery. Annals of Neurology, 2010, 67, 209-220.	2.8	645
2	Highâ€frequency oscillations as a new biomarker in epilepsy. Annals of Neurology, 2012, 71, 169-178.	2.8	392
3	Heart Rate Changes and ECG Abnormalities During Epileptic Seizures: Prevalence and Definition of an Objective Clinical Sign. Epilepsia, 2002, 43, 847-854.	2.6	260
4	EEG-fMRI in the preoperative work-up for epilepsy surgery. Brain, 2007, 130, 2343-2353.	3.7	214
5	Ictal and interictal high frequency oscillations in patients with focal epilepsy. Clinical Neurophysiology, 2011, 122, 664-671.	0.7	158
6	A comparison between detectors of high frequency oscillations. Clinical Neurophysiology, 2012, 123, 106-116.	0.7	141
7	How to record highâ€frequency oscillations in epilepsy: A practical guideline. Epilepsia, 2017, 58, 1305-1315.	2.6	127
8	Changing concepts in presurgical assessment for epilepsy surgery. Nature Reviews Neurology, 2019, 15, 594-606.	4.9	125
9	Residual fast ripples in the intraoperative corticogram predict epilepsy surgery outcome. Neurology, 2015, 85, 120-128.	1.5	122
10	Tailoring epilepsy surgery with fast ripples in the intraoperative electrocorticogram. Annals of Neurology, 2017, 81, 664-676.	2.8	120
11	Improving the identification of High Frequency Oscillations. Clinical Neurophysiology, 2009, 120, 1457-1464.	0.7	119
12	Timeâ€“frequency analysis of single pulse electrical stimulation to assist delineation of epileptogenic cortex. Brain, 2011, 134, 2855-2866.	3.7	100
13	Ripples on rolandic spikes: A marker of epilepsy severity. Epilepsia, 2016, 57, 1179-1189.	2.6	97
14	Automatic detection of high frequency oscillations during epilepsy surgery predicts seizure outcome. Clinical Neurophysiology, 2016, 127, 3066-3074.	0.7	83
15	High frequency oscillations in intra-operative electrocorticography before and after epilepsy surgery. Clinical Neurophysiology, 2014, 125, 2212-2219.	0.7	81
16	Are high frequency oscillations associated with altered network topology in partial epilepsy?. NeuroImage, 2013, 82, 564-573.	2.1	72
17	3T versus 1.5T phasedâ€array MRI in the presurgical workâ€up of patients with partial epilepsy of uncertain focus. Journal of Magnetic Resonance Imaging, 2009, 30, 256-262.	1.9	69
18	High frequency oscillations in the intra-operative ECoG to guide epilepsy surgery (â€œThe HFO Trialâ€): study protocol for a randomized controlled trial. Trials, 2015, 16, 422.	0.7	68

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19	Interictal high frequency oscillations (HFOs) in patients with focal epilepsy and normal MRI. Clinical Neurophysiology, 2012, 123, 100-105.	0.7	64
20	Identification of epileptic high frequency oscillations in the time domain by using MEG beamformer-based virtual sensors. Clinical Neurophysiology, 2016, 127, 197-208.	0.7	59
21	Modality-specific Spike Identification in Simultaneous Magnetoencephalography/Electroencephalography. Journal of Clinical Neurophysiology, 2002, 19, 183-191.	0.9	57
22	Coping style and quality of life in patients with epilepsy: a cross-sectional study. Journal of Neurology, 2011, 258, 37-43.	1.8	57
23	Epileptic highâ€frequency oscillations in intraoperative electrocorticography: The effect of propofol. Epilepsia, 2012, 53, 1799-1809.	2.6	56
24	Value of electrical stimulation and high frequency oscillations (80â€“500 Hz) in identifying epileptogenic areas during intracranial EEG recordings. Epilepsia, 2010, 51, 573-582.	2.6	53
25	Single Pulse Electrical Stimulation to identify epileptogenic cortex: Clinical information obtained from early evoked responses. Clinical Neurophysiology, 2016, 127, 1088-1098.	0.7	50
26	Cortisol fluctuations relate to interictal epileptiform discharges in stress sensitive epilepsy. Brain, 2016, 139, 1673-1679.	3.7	49
27	CORTICAL EXCITABILITY AS A POTENTIAL CLINICAL MARKER OF EPILEPSY: A REVIEW OF THE CLINICAL APPLICATION OF TRANSCRANIAL MAGNETIC STIMULATION. International Journal of Neural Systems, 2014, 24, 1430001.	3.2	48
28	High frequency oscillations and seizure frequency in patients with focal epilepsy. Epilepsy Research, 2009, 85, 287-292.	0.8	46
29	Quality of life of caregivers of patients with intractable epilepsy. Epilepsia, 2009, 50, 1294-1296.	2.6	41
30	Automatic detection and visualisation of MEG ripple oscillations in epilepsy. NeuroImage: Clinical, 2017, 15, 689-701.	1.4	41
31	Brain areas with epileptic high frequency oscillations are functionally isolated in MEG virtual electrode networks. Clinical Neurophysiology, 2016, 127, 2581-2591.	0.7	39
32	Relationships between interictal epileptic spikes and ripples in surface EEG. Clinical Neurophysiology, 2016, 127, 143-149.	0.7	39
33	Physiological Ripples (Â±â€‰100ÂHz) in Spike-Free Scalp EEGs of Children With and Without Epilepsy. Brain Topography, 2017, 30, 739-746.	0.8	39
34	Coping style and health-related quality of life in caregivers of epilepsy patients. Journal of Neurology, 2011, 258, 1788-1794.	1.8	33
35	Simultaneous MEG and EEG to detect ripples in people with focal epilepsy. Clinical Neurophysiology, 2019, 130, 1175-1183.	0.7	31
36	Comparison of analytical strategies for EEG-correlated fMRI data in patients with epilepsy. Magnetic Resonance Imaging, 2010, 28, 1078-1086.	1.0	30

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37	Automated Seizure Onset Zone Approximation Based on Nonharmonic High-Frequency Oscillations in Human Interictal Intracranial EEGs. International Journal of Neural Systems, 2015, 25, 1550015.	3.2	30
38	HFO to Measure Seizure Propensity and Improve Prognostication in Patients With Epilepsy. Epilepsy Currents, 2020, 20, 338-347.	0.4	29
39	The relation between cortisol and functional connectivity in people with and without stressâ€sensitive epilepsy. Epilepsia, 2018, 59, 179-189.	2.6	27
40	Increased gamma and decreased fast ripple connections of epileptic tissue: A highâ€frequency directed network approach. Epilepsia, 2019, 60, 1908-1920.	2.6	25
41	Spontaneous ripples in the hippocampus correlate with epileptogenicity and not memory function in patients with refractory epilepsy. Epilepsy and Behavior, 2016, 62, 258-266.	0.9	22
42	Can we use intraoperative highâ€frequency oscillations to guide tumorâ€related epilepsy surgery?. Epilepsia, 2021, 62, 997-1004.	2.6	21
43	Can we increase the yield of FDG-PET in the preoperative work-up for epilepsy surgery?. Epilepsy Research, 2014, 108, 1095-1105.	0.8	20
44	Ripples in scalp EEGs of children: co-occurrence with sleep-specific transients and occurrence across sleep stages. Sleep, 2018, 41, .	0.6	17
45	Non-harmonicity in high-frequency components of the intra-operative corticogram to delineate epileptogenic tissue during surgery. Clinical Neurophysiology, 2017, 128, 153-164.	0.7	15
46	Beamforming applied to surface EEG improves ripple visibility. Clinical Neurophysiology, 2018, 129, 101-111.	0.7	15
47	Evoked versus spontaneous high frequency oscillations in the chronic electrocorticogram in focal epilepsy. Clinical Neurophysiology, 2017, 128, 858-866.	0.7	14
48	Illusory shadow person causing paradoxical gaze deviations during temporal lobe seizures. Journal of Neurology, Neurosurgery and Psychiatry, 2009, 80, 686-688.	0.9	13
49	The value of intra-operative electrographic biomarkers for tailoring during epilepsy surgery: from group-level to patient-level analysis. Scientific Reports, 2020, 10, 14654.	1.6	13
50	High-frequency oscillations in scalp EEG: A systematic review of methodological choices and clinical findings. Clinical Neurophysiology, 2022, 137, 46-58.	0.7	13
51	Detection of temporal lobe spikes: Comparing nasopharyngeal, cheek and anterior temporal electrodes to simultaneous subdural recordings. Clinical Neurophysiology, 2008, 119, 1771-1777.	0.7	11
52	Should we reconsider epilepsy surgery? The motivation of patients once rejected. Seizure: the Journal of the British Epilepsy Association, 2008, 17, 374-377.	0.9	11
53	The resolution revolution: Comparing spikes and high frequency oscillations in high-density and standard intra-operative electrocorticography of the same patient. Clinical Neurophysiology, 2020, 131, 1040-1043.	0.7	10
54	High frequency oscillations relate to cognitive improvement after epilepsy surgery in children. Clinical Neurophysiology, 2020, 131, 1134-1141.	0.7	9

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55	High frequency oscillations associate with neuroinflammation in low-grade epilepsy associated tumors. Clinical Neurophysiology, 2021, , .	0.7	8
56	A Practical Workflow for Organizing Clinical Intraoperative and Long-term iEEG Data in BIDS. Neuroinformatics, 2022, 20, 727-736.	1.5	8
57	Quantification of spontaneous and evoked HFO's in SEEG recording and prospective for pre-surgical diagnostics. Case study. , 2012, 2012, 1024-7.		7
58	Different ways to analyze EEGâ€“fMRI in focal epilepsy: Does it matter?. Clinical Neurophysiology, 2013, 124, 2070-2072.	0.7	7
59	What are you looking at? Unrippling terminology for high frequency activity. Clinical Neurophysiology, 2019, 130, 2132-2133.	0.7	7
60	High-frequency oscillations recorded with surface EEG in neonates with seizures. Clinical Neurophysiology, 2021, 132, 1452-1461.	0.7	7
61	Post traumatic stress-sensitive epilepsy. Seizure: the Journal of the British Epilepsy Association, 2017, 52, 20-21.	0.9	6
62	The topographical distribution of epileptic spikes in juvenile myoclonic epilepsy with and without photosensitivity. Clinical Neurophysiology, 2017, 128, 176-182.	0.7	6
63	The contribution of posterior circulation to memory function during the intracarotid amobarbital procedure. Journal of Neurology, 2012, 259, 1632-1638.	1.8	5
64	High frequency oscillations in MEG: next steps in source imaging for focal epilepsy. Brain, 2019, 142, 3318-3320.	3.7	5
65	Validation of virtual resection on intraoperative interictal data acquired during epilepsy surgery. Journal of Neural Engineering, 2020, 17, 066002.	1.8	5
66	Electrocorticographic high gamma language mapping: Mind the pitfalls of comparison with electrocortical stimulation. Epilepsy and Behavior, 2018, 82, 196-199.	0.9	4
67	Electrical injury to the brain: Figure 1. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 933-934.	0.9	3
68	Deep learning for epileptogenic zone delineation from the invasive EEG: challenges and lookouts. Brain Communications, 2022, 4, fcab307.	1.5	3
69	Finger snapping during seizures. Epilepsy & Behavior Case Reports, 2014, 2, 108-111.	1.5	2
70	Editorial: High-Frequency Oscillations in the Hippocampus as Biomarkers of Pathology and Healthy Brain Function. Frontiers in Human Neuroscience, 2021, 15, 763881.	1.0	2
71	Can task-related gamma activity guide the neurosurgeon in epilepsy surgery?. Clinical Neurophysiology, 2013, 124, 1710-1711.	0.7	1
72	Do clinicians use more question marks?. JRSM Open, 2015, 6, 205427041557902.	0.2	1

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73	Are HFOs in the Intra-operative ECoG Related to Hippocampal Sclerosis, Volume and IQ?. Frontiers in Neurology, 2021, 12, 645925.	1.1	1
74	Nasopharyngeal electrodes for recording mesiotemporal spikes: Post-covid revival?. Clinical Neurophysiology, 2021, 132, 1718-1720.	0.7	1
75	Canâ€™t touch this! Eloquent cortex in epilepsy surgery. Clinical Neurophysiology, 2013, 124, 2288.	0.7	0
76	Making sense of ripples in generalized epilepsy. Clinical Neurophysiology, 2016, 127, 1759-1761.	0.7	0
77	Generalized epilepsy: Donâ€™t look too close. Clinical Neurophysiology, 2016, 127, 989-990.	0.7	0
78	Brain surgery in tumor related epilepsy. Clinical Neurophysiology, 2016, 127, 15-16.	0.7	0