Rina Zelmann

List of Publications by Year
in descending order

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36 papers	3,420 citations	201674 27 h-index	345221 36 g-index
41 all docs	41 docs citations	41 times ranked	2281 citing authors

#	Article	IF	Citations
1	Highâ€frequency electroencephalographic oscillations correlate with outcome of epilepsy surgery. Annals of Neurology, 2010, 67, 209-220.	5.3	645
2	Highâ€frequency oscillations as a new biomarker in epilepsy. Annals of Neurology, 2012, 71, 169-178.	5.3	392
3	Highâ€frequency oscillations, extent of surgical resection, and surgical outcome in drugâ€resistant focal epilepsy. Epilepsia, 2013, 54, 848-857.	5.1	166
4	Ictal and interictal high frequency oscillations in patients with focal epilepsy. Clinical Neurophysiology, 2011, 122, 664-671.	1.5	158
5	Highâ€Frequency Oscillations in the Normal Human Brain. Annals of Neurology, 2018, 84, 374-385.	5.3	158
6	Removing high-frequency oscillations. Neurology, 2018, 91, e1040-e1052.	1.1	158
7	Atlas of the normal intracranial electroencephalogram: neurophysiological awake activity in different cortical areas. Brain, 2018, 141, 1130-1144.	7.6	155
8	A comparison between detectors of high frequency oscillations. Clinical Neurophysiology, 2012, 123, 106-116.	1.5	141
9	High frequency oscillations (80â€“500â€ƒHz) in the preictal period in patients with focal seizures. Epilepsia, 2009, 50, 1780-1792.	5.1	125
10	Residual fast ripples in the intraoperative corticogram predict epilepsy surgery outcome. Neurology, 2015, 85, 120-128.	1.1	122
11	Tailoring epilepsy surgery with fast ripples in the intraoperative electrocorticogram. Annals of Neurology, 2017, 81, 664-676.	5.3	120
12	Improving the identification of High Frequency Oscillations. Clinical Neurophysiology, 2009, 120, 1457-1464.	1.5	119
13	Occurrence of scalp-fast oscillations among patients with different spiking rate and their role as epileptogenicity marker. Epilepsy Research, 2013, 106, 345-356.	1.6	74
14	Epileptic Discharges Affect the Default Mode Network â€“ fMRI and Intracerebral EEG Evidence. PLoS ONE, 2013, 8, e68038.	2.5	74
15	IBIS: an OR ready open-source platform for image-guided neurosurgery. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 363-378.	2.8	74
16	The morphology of high frequency oscillations (HFO) does not improve delineating the epileptogenic zone. Clinical Neurophysiology, 2016, 127, 2140-2148.	1.5	73
17	Are high frequency oscillations associated with altered network topology in partial epilepsy?. NeuroImage, 2013, 82, 564-573.	4.2	72
18	Continuous High Frequency Activity: A peculiar SEEG pattern related to specific brain regions. Clinical Neurophysiology, 2013, 124, 1507-1516.	1.5	59

#	Article	IF	Citations
19	The identification of distinct high-frequency oscillations during spikes delineates the seizure onset zone better than high-frequency spectral power changes. Clinical Neurophysiology, 2016, 127, 129-142.	1.5	57
20	Value of electrical stimulation and high frequency oscillations (80â€“500 Hz) in identifying epileptogenic areas during intracranial EEG recordings. Epilepsia, 2010, 51, 573-582.	5.1	53
21	How the Human Brain Sleeps: Direct Cortical Recordings of Normal Brain Activity. Annals of Neurology, 2020, 87, 289-301.	5.3	48
22	High frequency oscillations and seizure frequency in patients with focal epilepsy. Epilepsy Research, 2009, 85, 287-292.	1.6	46
23	Intracranial EEG potentials estimated from MEG sources: A new approach to correlate MEG and iEEG data in epilepsy. Human Brain Mapping, 2016, 37, 1661-1683.	3.6	43
24	Negative BOLD Response to Interictal Epileptic Discharges in Focal Epilepsy. Brain Topography, 2013, 26, 627-640.	1.8	37
25	Influence of contact size on the detection of HFOs in human intracerebral EEG recordings. Clinical Neurophysiology, 2013, 124, 1541-1546.	1.5	30
26	Contact size does not affect high frequency oscillation detection in intracerebral EEG recordings in a rat epilepsy model. Clinical Neurophysiology, 2011, 122, 1701-1705.	1.5	29
27	Changes preceding interictal epileptic EEG abnormalities: Comparison between EEG/fMRI and intracerebral EEG. Epilepsia, 2011, 52, 1120-1129.	5.1	29
28	Closed-loop enhancement and neural decoding of cognitive control in humans. Nature Biomedical Engineering, 2023, 7, 576-588.	22.5	29
29	Local and distant cortical responses to single pulse intracranial stimulation in the human brain are differentially modulated by specific stimulation parameters. Brain Stimulation, 2022, 15, 491-508.	1.6	24
30	Spontaneous ripples in the hippocampus correlate with epileptogenicity and not memory function in patients with refractory epilepsy. Epilepsy and Behavior, 2016, 62, 258-266.	1.7	22
31	CLoSES: A platform for closed-loop intracranial stimulation in humans. NeuroImage, 2020, 223, 117314.	4.2	21
32	Continuous highâ€frequency activity in mesial temporal lobe structures. Epilepsia, 2012, 53, 797-806.	5.1	20
33	Distinguishing false and true positive detections of high frequency oscillations. Journal of Neural Engineering, 2020, 17, 056005.	3.5	12
34	EEG spectral changes underlying BOLD responses contralateral to spikes in patients with focal epilepsy. Epilepsia, 2009, 50, 1804-1809.	5.1	11
35	Interictal Scalp Fast Oscillations as a Marker of the Seizure Onset Zone. Neurology, 2012, 78, 224-225.	1.1	8
36	Automatic Optimization of Depth Electrode Trajectory Planning. Lecture Notes in Computer Science, 2014, , 99-107.	1.3	3