

# Rina Zelmann

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Closed-loop enhancement and neural decoding of cognitive control in humans. <i>Nature Biomedical Engineering</i> , 2023, 7, 576-588.	22.5	29
2	Local and distant cortical responses to single pulse intracranial stimulation in the human brain are differentially modulated by specific stimulation parameters. <i>Brain Stimulation</i> , 2022, 15, 491-508.	1.6	24
3	How the Human Brain Sleeps: Direct Cortical Recordings of Normal Brain Activity. <i>Annals of Neurology</i> , 2020, 87, 289-301.	5.3	48
4	CLOSES: A platform for closed-loop intracranial stimulation in humans. <i>NeuroImage</i> , 2020, 223, 117314.	4.2	21
5	Distinguishing false and true positive detections of high frequency oscillations. <i>Journal of Neural Engineering</i> , 2020, 17, 056005.	3.5	12
6	Atlas of the normal intracranial electroencephalogram: neurophysiological awake activity in different cortical areas. <i>Brain</i> , 2018, 141, 1130-1144.	7.6	155
7	High-Frequency Oscillations in the Normal Human Brain. <i>Annals of Neurology</i> , 2018, 84, 374-385.	5.3	158
8	Removing high-frequency oscillations. <i>Neurology</i> , 2018, 91, e1040-e1052.	1.1	158
9	Tailoring epilepsy surgery with fast ripples in the intraoperative electrocorticogram. <i>Annals of Neurology</i> , 2017, 81, 664-676.	5.3	120
10	IBIS: an OR ready open-source platform for image-guided neurosurgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017, 12, 363-378.	2.8	74
11	Intracranial EEG potentials estimated from MEG sources: A new approach to correlate MEG and iEEG data in epilepsy. <i>Human Brain Mapping</i> , 2016, 37, 1661-1683.	3.6	43
12	Spontaneous ripples in the hippocampus correlate with epileptogenicity and not memory function in patients with refractory epilepsy. <i>Epilepsy and Behavior</i> , 2016, 62, 258-266.	1.7	22
13	The morphology of high frequency oscillations (HFO) does not improve delineating the epileptogenic zone. <i>Clinical Neurophysiology</i> , 2016, 127, 2140-2148.	1.5	73
14	The identification of distinct high-frequency oscillations during spikes delineates the seizure onset zone better than high-frequency spectral power changes. <i>Clinical Neurophysiology</i> , 2016, 127, 129-142.	1.5	57
15	Residual fast ripples in the intraoperative corticogram predict epilepsy surgery outcome. <i>Neurology</i> , 2015, 85, 120-128.	1.1	122
16	Automatic Optimization of Depth Electrode Trajectory Planning. <i>Lecture Notes in Computer Science</i> , 2014, , 99-107.	1.3	3
17	High-Frequency oscillations, extent of surgical resection, and surgical outcome in drug-resistant focal epilepsy. <i>Epilepsia</i> , 2013, 54, 848-857.	5.1	166
18	Negative BOLD Response to Interictal Epileptic Discharges in Focal Epilepsy. <i>Brain Topography</i> , 2013, 26, 627-640.	1.8	37

#	ARTICLE	IF	CITATIONS
19	Are high frequency oscillations associated with altered network topology in partial epilepsy?. <i>NeuroImage</i> , 2013, 82, 564-573.	4.2	72
20	Influence of contact size on the detection of HFOs in human intracerebral EEG recordings. <i>Clinical Neurophysiology</i> , 2013, 124, 1541-1546.	1.5	30
21	Occurrence of scalp-fast oscillations among patients with different spiking rate and their role as epileptogenicity marker. <i>Epilepsy Research</i> , 2013, 106, 345-356.	1.6	74
22	Continuous High Frequency Activity: A peculiar SEEG pattern related to specific brain regions. <i>Clinical Neurophysiology</i> , 2013, 124, 1507-1516.	1.5	59
23	Epileptic Discharges Affect the Default Mode Network – fMRI and Intracerebral EEG Evidence. <i>PLoS ONE</i> , 2013, 8, e68038.	2.5	74
24	Interictal Scalp Fast Oscillations as a Marker of the Seizure Onset Zone. <i>Neurology</i> , 2012, 78, 224-225.	1.1	8
25	A comparison between detectors of high frequency oscillations. <i>Clinical Neurophysiology</i> , 2012, 123, 106-116.	1.5	141
26	Continuous high-frequency activity in mesial temporal lobe structures. <i>Epilepsia</i> , 2012, 53, 797-806.	5.1	20
27	High-frequency oscillations as a new biomarker in epilepsy. <i>Annals of Neurology</i> , 2012, 71, 169-178.	5.3	392
28	Ictal and interictal high frequency oscillations in patients with focal epilepsy. <i>Clinical Neurophysiology</i> , 2011, 122, 664-671.	1.5	158
29	Contact size does not affect high frequency oscillation detection in intracerebral EEG recordings in a rat epilepsy model. <i>Clinical Neurophysiology</i> , 2011, 122, 1701-1705.	1.5	29
30	Changes preceding interictal epileptic EEG abnormalities: Comparison between EEG/fMRI and intracerebral EEG. <i>Epilepsia</i> , 2011, 52, 1120-1129.	5.1	29
31	High-frequency electroencephalographic oscillations correlate with outcome of epilepsy surgery. <i>Annals of Neurology</i> , 2010, 67, 209-220.	5.3	645
32	Value of electrical stimulation and high frequency oscillations (80–500 Hz) in identifying epileptogenic areas during intracranial EEG recordings. <i>Epilepsia</i> , 2010, 51, 573-582.	5.1	53
33	High frequency oscillations (80–500 Hz) in the preictal period in patients with focal seizures. <i>Epilepsia</i> , 2009, 50, 1780-1792.	5.1	125
34	EEG spectral changes underlying BOLD responses contralateral to spikes in patients with focal epilepsy. <i>Epilepsia</i> , 2009, 50, 1804-1809.	5.1	11
35	High frequency oscillations and seizure frequency in patients with focal epilepsy. <i>Epilepsy Research</i> , 2009, 85, 287-292.	1.6	46
36	Improving the identification of High Frequency Oscillations. <i>Clinical Neurophysiology</i> , 2009, 120, 1457-1464.	1.5	119