

# Jerome Engel Jr

## List of Publications by Year in descending order

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276  
papers

37,795  
citations

6486

82  
h-index

3508

188  
g-index

286  
all docs

286  
docs citations

286  
times ranked

22543  
citing authors

#	ARTICLE	IF	CITATIONS
1	ILAE Official Report: A practical clinical definition of epilepsy. <i>Epilepsia</i> , 2014, 55, 475-482.	2.6	3,770
2	Revised terminology and concepts for organization of seizures and epilepsies: Report of the ILAE Commission on Classification and Terminology, 2005–2009. <i>Epilepsia</i> , 2010, 51, 676-685.	2.6	3,612
3	Epileptic Seizures and Epilepsy: Definitions Proposed by the International League Against Epilepsy (ILAE) and the International Bureau for Epilepsy (IBE). <i>Epilepsia</i> , 2005, 46, 470-472.	2.6	2,809
4	A Proposed Diagnostic Scheme for People with Epileptic Seizures and with Epilepsy: Report of the ILAE Task Force on Classification and Terminology. <i>Epilepsia</i> , 2001, 42, 796-803.	2.6	1,943
5	Simultaneous EEG and fMRI of the alpha rhythm. <i>NeuroReport</i> , 2002, 13, 2487-2492.	0.6	1,011
6	Early Surgical Therapy for Drug-Resistant Temporal Lobe Epilepsy. <i>JAMA - Journal of the American Medical Association</i> , 2012, 307, 922.	3.8	987
7	Surgery for Seizures. <i>New England Journal of Medicine</i> , 1996, 334, 647-653.	13.9	802
8	Glossary of Descriptive Terminology for Ictal Semiology: Report of the ILAE Task Force on Classification and Terminology. <i>Epilepsia</i> , 2002, 42, 1212-1218.	2.6	685
9	Hippocampal and Entorhinal Cortex High-Frequency Oscillations (100-500 Hz) in Human Epileptic Brain and in Kainic Acid-Treated Rats with Chronic Seizures. <i>Epilepsia</i> , 1999, 40, 127-137.	2.6	674
10	High-frequency oscillations in human brain. <i>Hippocampus</i> , 1999, 9, 137-142.	0.9	617
11	Report of the ILAE Classification Core Group. <i>Epilepsia</i> , 2006, 47, 1558-1568.	2.6	585
12	Quantitative Analysis of High-Frequency Oscillations (80–500 Hz) Recorded in Human Epileptic Hippocampus and Entorhinal Cortex. <i>Journal of Neurophysiology</i> , 2002, 88, 1743-1752.	0.9	574
13	Simultaneous EEG and fMRI of the alpha rhythm. <i>NeuroReport</i> , 2002, 13, 2487-2492.	0.6	511
14	High-frequency oscillations: What is normal and what is not?. <i>Epilepsia</i> , 2009, 50, 598-604.	2.6	447
15	Mesial Temporal Lobe Epilepsy: What Have We Learned?. <i>Neuroscientist</i> , 2001, 7, 340-352.	2.6	438
16	Epileptic patterns of local cerebral metabolism and perfusion in humans determined by emission computed tomography of $^{18}\text{F}$ FDG and $^{13}\text{N}$ H $_3$ . <i>Annals of Neurology</i> , 1980, 8, 348-360.	2.8	407
17	Local Generation of Fast Ripples in Epileptic Brain. <i>Journal of Neuroscience</i> , 2002, 22, 2012-2021.	1.7	400
18	High-frequency Oscillations after Status Epilepticus: Epileptogenesis and Seizure Genesis. <i>Epilepsia</i> , 2004, 45, 1017-1023.	2.6	394

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19	Introduction to temporal lobe epilepsy. <i>Epilepsy Research</i> , 1996, 26, 141-150.	0.8	365
20	Pathological findings underlying focal temporal lobe hypometabolism in partial epilepsy. <i>Annals of Neurology</i> , 1982, 12, 518-528.	2.8	361
21	Assessment and surgical outcomes for mild type I and severe type II cortical dysplasia: A critical review and the UCLA experience. <i>Epilepsia</i> , 2009, 50, 1310-1335.	2.6	345
22	Interictal cerebral glucose metabolism in partial epilepsy and its relation to EEG changes. <i>Annals of Neurology</i> , 1982, 12, 510-517.	2.8	318
23	A Health-Related Quality of Life Instrument for Patients Evaluated for Epilepsy Surgery. <i>Medical Care</i> , 1992, 30, 299-319.	1.1	304
24	Interictal high-frequency oscillations (80-500Hz) in the human epileptic brain: Entorhinal cortex. <i>Annals of Neurology</i> , 2002, 52, 407-415.	2.8	296
25	High-frequency oscillations recorded in human medial temporal lobe during sleep. <i>Annals of Neurology</i> , 2004, 56, 108-115.	2.8	294
26	Correlation of criteria used for localizing epileptic foci in patients considered for surgical therapy of epilepsy. <i>Annals of Neurology</i> , 1981, 9, 215-224.	2.8	289
27	Comparative localization of foci in partial epilepsy by PCT and EEG. <i>Annals of Neurology</i> , 1982, 12, 529-537.	2.8	276
28	Practice Parameter: Temporal Lobe and Localized Neocortical Resections for Epilepsy. <i>Epilepsia</i> , 2003, 44, 741-751.	2.6	272
29	Electrophysiologic Analysis of a Chronic Seizure Model After Unilateral Hippocampal KA Injection. <i>Epilepsia</i> , 1999, 40, 1210-1221.	2.6	266
30	Acquiring simultaneous EEG and functional MRI. <i>Clinical Neurophysiology</i> , 2000, 111, 1974-1980.	0.7	261
31	High-frequency oscillations: The state of clinical research. <i>Epilepsia</i> , 2017, 58, 1316-1329.	2.6	260
32	Anatomical correlates of electrical and behavioral events related to amygdaloid kindling. <i>Annals of Neurology</i> , 1978, 3, 538-544.	2.8	247
33	Role of the Frontal Lobes in the Propagation of Mesial Temporal Lobe Seizures. <i>Epilepsia</i> , 1991, 32, 822-837.	2.6	233
34	Connectomics and epilepsy. <i>Current Opinion in Neurology</i> , 2013, 26, 186-194.	1.8	227
35	Referral pattern for epilepsy surgery after evidence-based recommendations. <i>Neurology</i> , 2010, 75, 699-704.	1.5	226
36	Identification of new epilepsy treatments: Issues in preclinical methodology. <i>Epilepsia</i> , 2012, 53, 571-582.	2.6	219

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37	Reduced Neocortical Thickness and Complexity Mapped in Mesial Temporal Lobe Epilepsy with Hippocampal Sclerosis. <i>Cerebral Cortex</i> , 2007, 17, 2007-2018.	1.6	215
38	Epilepsy biomarkers. <i>Epilepsia</i> , 2013, 54, 61-69.	2.6	215
39	Commonalities in epileptogenic processes from different acute brain insults: Do they translate?. <i>Epilepsia</i> , 2018, 59, 37-66.	2.6	206
40	Analysis of Chronic Seizure Onsets after Intrahippocampal Kainic Acid Injection in Freely Moving Rats. <i>Epilepsia</i> , 2005, 46, 1592-1598.	2.6	201
41	Past and Present Definitions of Epileptogenesis and Its Biomarkers. <i>Neurotherapeutics</i> , 2014, 11, 231-241.	2.1	198
42	Cerebral microdialysis combined with single-neuron and electroencephalographic recording in neurosurgical patients. <i>Journal of Neurosurgery</i> , 1999, 91, 697-705.	0.9	196
43	Magnetic resonance imaging in intractable partial epilepsy: Correlative studies. <i>Annals of Neurology</i> , 1986, 20, 57-62.	2.8	190
44	Functional connectivity of hippocampal networks in temporal lobe epilepsy. <i>Epilepsia</i> , 2014, 55, 137-145.	2.6	181
45	ELECTROPHYSIOLOGICAL CORRELATES OF PATHOLOGY AND SURGICAL RESULTS IN TEMPORAL LOBE EPILEPSY. <i>Brain</i> , 1975, 98, 129-156.	3.7	180
46	The magnetic field of complex partial seizures agrees with intracranial localizations. <i>Annals of Neurology</i> , 1987, 21, 548-558.	2.8	178
47	ILAE classification of epilepsy syndromes. <i>Epilepsy Research</i> , 2006, 70, 5-10.	0.8	170
48	Quantifying Interictal Metabolic Activity in Human Temporal Lobe Epilepsy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1990, 10, 748-757.	2.4	169
49	Large-Scale Microelectrode Recordings of High-Frequency Gamma Oscillations in Human Cortex during Sleep. <i>Journal of Neuroscience</i> , 2010, 30, 7770-7782.	1.7	166
50	Getting the best outcomes from epilepsy surgery. <i>Annals of Neurology</i> , 2018, 83, 676-690.	2.8	166
51	What can we do for people with drug-resistant epilepsy?. <i>Neurology</i> , 2016, 87, 2483-2489.	1.5	164
52	High-frequency oscillations in epileptic brain. <i>Current Opinion in Neurology</i> , 2010, 23, 151-156.	1.8	162
53	Endogenous opioids may mediate post-ictal behavioral depression in amygdaloid-kindled rats. <i>Brain Research</i> , 1979, 167, 435-440.	1.1	159
54	The current place of epilepsy surgery. <i>Current Opinion in Neurology</i> , 2018, 31, 192-197.	1.8	147

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55	Comparison of seizure related amino acid release in human epileptic hippocampus versus a chronic, kainate rat model of hippocampal epilepsy. <i>Epilepsy Research</i> , 1996, 26, 245-254.	0.8	146
56	Cell Type-Specific Firing during Ripple Oscillations in the Hippocampal Formation of Humans. <i>Journal of Neuroscience</i> , 2008, 28, 6104-6110.	1.7	145
57	Temporo-spatial patterns of pre-ictal spike activity in human temporal lobe epilepsy. <i>Electroencephalography and Clinical Neurophysiology</i> , 1983, 56, 543-555.	0.3	141
58	The lennox-gastaut syndrome: Metabolic subtypes determined by 2-deoxy-2 [18F]fluoro-d-glucose positron emission tomography. <i>Annals of Neurology</i> , 1987, 21, 4-13.	2.8	135
59	Quality of Life of Epilepsy Surgery Patients as Compared with Outpatients with Hypertension, Diabetes, Heart Disease, and/or Depressive Symptoms. <i>Epilepsia</i> , 1994, 35, 597-607.	2.6	133
60	Excitation and Inhibition in Epilepsy. <i>Canadian Journal of Neurological Sciences</i> , 1996, 23, 167-174.	0.3	129
61	Increased Fast ripple to ripple Ratios Correlate with Reduced Hippocampal Volumes and Neuron Loss in Temporal Lobe Epilepsy Patients. <i>Epilepsia</i> , 2007, 48, 2130-2138.	2.6	128
62	Interhemispheric Propagation Time of Human Hippocampal Seizures. <i>Epilepsia</i> , 1986, 27, 286-293.	2.6	127
63	Interictal EEG spikes correlate with decreased, rather than increased, epileptogenicity in amygdaloid kindled rats. <i>Brain Research</i> , 1980, 190, 543-548.	1.1	126
64	The cherry-red spot-myoclonus syndrome. <i>Annals of Neurology</i> , 1978, 3, 234-242.	2.8	123
65	Local cerebral metabolic rate for glucose during petit mal absences. <i>Annals of Neurology</i> , 1985, 17, 121-128.	2.8	121
66	Further evidence that pathologic high-frequency oscillations are bursts of population spikes derived from recordings of identified cells in dentate gyrus. <i>Epilepsia</i> , 2011, 52, 45-52.	2.6	121
67	High-frequency oscillations “Where we are and where we need to go. <i>Progress in Neurobiology</i> , 2012, 98, 316-318.	2.8	119
68	Long-lasting depletion of dopamine in the rat amygdala induced by kindling stimulation. <i>Brain Research</i> , 1977, 136, 381-386.	1.1	116
69	Sleep state and seizure foci related to depth spike activity in patients with temporal lobe epilepsy. <i>Electroencephalography and Clinical Neurophysiology</i> , 1980, 49, 538-557.	0.3	115
70	Surface and Deep EEG Correlates of Surgical Outcome in Temporal Lobe Epilepsy. <i>Epilepsia</i> , 1981, 22, 515-538.	2.6	115
71	The evolution of epilepsy surgery between 1991 and 2011 in nine major epilepsy centers across the United States, Germany, and Australia. <i>Epilepsia</i> , 2015, 56, 1526-1533.	2.6	114
72	Hippocampal neuronal loss and regional hypometabolism in temporal lobe epilepsy. <i>Annals of Neurology</i> , 1994, 36, 925-927.	2.8	113

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73	Ictal onset patterns of local field potentials, high frequency oscillations, and unit activity in human mesial temporal lobe epilepsy. <i>Epilepsia</i> , 2016, 57, 111-121.	2.6	108
74	Effect of lateralized temporal lobe epilepsy on the default mode network. <i>Epilepsy and Behavior</i> , 2012, 25, 350-357.	0.9	107
75	Prolactin in partial epilepsy: An indicator of limbic seizures. <i>Annals of Neurology</i> , 1986, 20, 716-722.	2.8	104
76	The challenge and promise of anti-epileptic therapy development in animal models. <i>Lancet Neurology</i> , The, 2014, 13, 949-960.	4.9	101
77	Classifications of the International League Against Epilepsy: Time for Reappraisal. <i>Epilepsia</i> , 1998, 39, 1014-1017.	2.6	100
78	Spatial Stability over Time of Brain Areas Generating Fast Ripples in the Epileptic Rat. <i>Epilepsia</i> , 2003, 44, 1233-1237.	2.6	100
79	Surgical Treatment for Epilepsy. <i>JAMA - Journal of the American Medical Association</i> , 2008, 300, 2548.	3.8	97
80	Unilateral Hippocampal Sclerosis with Contralateral Temporal Scalp Ictal Onset. <i>Epilepsia</i> , 2004, 45, 792-802.	2.6	96
81	Patient attitudes about treatments for intractable epilepsy. <i>Epilepsy and Behavior</i> , 2003, 4, 19-25.	0.9	93
82	Early seizures and temporal lobe trauma predict post-traumatic epilepsy: A longitudinal study. <i>Neurobiology of Disease</i> , 2019, 123, 115-121.	2.1	91
83	Approaches to refractory epilepsy. <i>Annals of Indian Academy of Neurology</i> , 2014, 17, 12.	0.2	89
84	Voltage Depth Profiles of High-frequency Oscillations after Kainic Acid-induced Status Epilepticus. <i>Epilepsia</i> , 2007, 48, 35-40.	2.6	87
85	Sleep States Differentiate Single Neuron Activity Recorded from Human Epileptic Hippocampus, Entorhinal Cortex, and Subiculum. <i>Journal of Neuroscience</i> , 2002, 22, 5694-5704.	1.7	83
86	Three-dimensional hippocampal atrophy maps distinguish two common temporal lobe seizure onset patterns. <i>Epilepsia</i> , 2009, 50, 1361-1370.	2.6	82
87	Pathologic electrographic changes after experimental traumatic brain injury. <i>Epilepsia</i> , 2016, 57, 735-745.	2.6	82
88	Three-dimensional surface maps link local atrophy and fast ripples in human epileptic hippocampus. <i>Annals of Neurology</i> , 2009, 66, 783-791.	2.8	81
89	Low-voltage fast seizures in humans begin with increased interneuron firing. <i>Annals of Neurology</i> , 2018, 84, 588-600.	2.8	81
90	Response: Definitions Proposed by the International League Against Epilepsy (ILAE) and the International Bureau for Epilepsy (IBE). <i>Epilepsia</i> , 2005, 46, 1701-1702.	2.6	80

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91	Intracerebral Recordings: Organization of the Human Epileptogenic Region. <i>Journal of Clinical Neurophysiology</i> , 1993, 10, 90-98.	0.9	79
92	The Timing of Surgical Intervention for Mesial Temporal Lobe Epilepsy. <i>Archives of Neurology</i> , 1999, 56, 1338.	4.9	79
93	The use of positron emission tomographic scanning in epilepsy. <i>Annals of Neurology</i> , 1984, 15, 180-191.	2.8	77
94	Multimodal data and machine learning for surgery outcome prediction in complicated cases of mesial temporal lobe epilepsy. <i>Computers in Biology and Medicine</i> , 2015, 64, 67-78.	3.9	77
95	Glutamate Currents in Morphologically Identified Human Dentate Granule Cells in Temporal Lobe Epilepsy. <i>Journal of Neurophysiology</i> , 1997, 77, 3355-3369.	0.9	76
96	Diagnostic delay in psychogenic seizures and the association with anti-seizure medication trials. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2016, 40, 123-126.	0.9	76
97	Update on Cysticercosis Epileptogenesis: the Role of the Hippocampus. <i>Current Neurology and Neuroscience Reports</i> , 2016, 16, 1.	2.0	74
98	The progression of electrophysiologic abnormalities during epileptogenesis after experimental traumatic brain injury. <i>Epilepsia</i> , 2016, 57, 1558-1567.	2.6	73
99	Neuropathological Findings Following Temporal Lobectomy Related to Surface and Deep EEG Patterns. <i>Epilepsia</i> , 1981, 22, 539-549.	2.6	71
100	The Hans Berger lecture Functional explorations of the human epileptic brain and their therapeutic implications. <i>Electroencephalography and Clinical Neurophysiology</i> , 1990, 76, 296-316.	0.3	70
101	Finally, a Randomized, Controlled Trial of Epilepsy Surgery. <i>New England Journal of Medicine</i> , 2001, 345, 365-367.	13.9	70
102	Biomarkers for epileptogenesis and its treatment. <i>Neuropharmacology</i> , 2020, 167, 107735.	2.0	70
103	Finding a better drug for epilepsy: Preclinical screening strategies and experimental trial design. <i>Epilepsia</i> , 2012, 53, 1860-1867.	2.6	69
104	Ripples on spikes show increased phase-amplitude coupling in mesial temporal lobe epilepsy seizure-onset zones. <i>Epilepsia</i> , 2016, 57, 1916-1930.	2.6	69
105	Mesial Temporal Spikes: A Simultaneous Comparison of Sphenoidal, Nasopharyngeal, and Ear Electrodes. <i>Epilepsia</i> , 1986, 27, 81-86.	2.6	68
106	A Greater Role for Surgical Treatment of Epilepsy: Why and When?. <i>Epilepsy Currents</i> , 2003, 3, 37-40.	0.4	68
107	A Systems Level, Functional Genomics Analysis of Chronic Epilepsy. <i>PLoS ONE</i> , 2011, 6, e20763.	1.1	67
108	Analysis of Seizure Onset on the Basis of Wideband EEG Recordings. <i>Epilepsia</i> , 2005, 46, 59-63.	2.6	66

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109	Biomarkers in epilepsy: introduction. <i>Biomarkers in Medicine</i> , 2011, 5, 537-544.	0.6	65
110	Advances in Understanding the Process of Epileptogenesis Based on Patient Material: What Can the Patient Tell Us?. <i>Epilepsia</i> , 2003, 44, 60-71.	2.6	64
111	Falsely Localizing Ictal Onsets with Depth EEG Telemetry During Anticonvulsant Withdrawal. <i>Epilepsia</i> , 1983, 24, 344-355.	2.6	63
112	Positron Emission Tomography and Autoradiographic Studies of Glucose Utilization following Electroconvulsive Seizures in Humans and Rats. <i>Annals of the New York Academy of Sciences</i> , 1986, 462, 263-269.	1.8	62
113	Limbic postictal events: Anatomical substrates and opioid receptor involvement. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1987, 11, 389-418.	2.5	61
114	Changes in Intelligence Following Temporal Lobectomy: Relationship to EEG Activity, Seizure Relief, and Pathology. <i>Epilepsia</i> , 1982, 23, 1-13.	2.6	57
115	The Use and Impact of Positron Computed Tomography Scanning in Epilepsy. <i>Epilepsia</i> , 1984, 25, S86-104.	2.6	56
116	Functionalized magnetonanoparticles for MRI diagnosis and localization in epilepsy. <i>Epilepsia</i> , 2008, 49, 1419-1430.	2.6	56
117	Epilepsy, cognition, and neuropsychiatry (Epilepsy, Brain, and Mind, part 2). <i>Epilepsy and Behavior</i> , 2013, 28, 283-302.	0.9	55
118	Opioid-induced epileptogenic phenomena: Anatomical, behavioral, and electroencephalographic features. <i>Annals of Neurology</i> , 1984, 15, 361-368.	2.8	54
119	Electroencephalographic recording from the temporal lobes: A comparison of ear, anterior temporal, and nasopharyngeal electrodes. <i>Annals of Neurology</i> , 1985, 17, 510-513.	2.8	53
120	Single-unit activities during epileptic discharges in the human hippocampal formation. <i>Frontiers in Computational Neuroscience</i> , 2013, 7, 140.	1.2	53
121	Differences in graph theory functional connectivity in left and right temporal lobe epilepsy. <i>Epilepsy Research</i> , 2014, 108, 1770-1781.	0.8	53
122	Progress in epilepsy: reducing the treatment gap and the promise of biomarkers. <i>Current Opinion in Neurology</i> , 2008, 21, 150-154.	1.8	51
123	Facilitation of amygdaloid kindling by lesions of the stria terminalis. <i>Brain Research</i> , 1977, 122, 137-142.	1.1	50
124	Ictal and enduring interictal disturbances in emotional behaviour in an animal model of temporal lobe epilepsy. <i>Brain Research</i> , 1987, 400, 360-364.	1.1	50
125	Rate of Interictal Events and Spontaneous Seizures in Epileptic Rats After Electrical Stimulation of Hippocampus and Its Afferents. <i>Epilepsia</i> , 2002, 43, 81-85.	2.6	49
126	Epileptogenesis After Self-Sustaining Status Epilepticus. <i>Epilepsia</i> , 2002, 43, 74-80.	2.6	49



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127	Functional localization of epileptogenic lesions. Trends in Neurosciences, 1983, 6, 60-65.	4.2	48
128	Electrophysiological Studies in Two Patients with Cherry Red Spotâ€”Myoclonus Syndrome. Epilepsia, 1977, 18, 73-87.	2.6	47
129	Analysis of Initial Slow Waves (ISWs) at the Seizure Onset in Patients with Drug Resistant Temporal Lobe Epilepsy. Epilepsia, 2007, 48, 1883-1894.	2.6	47
130	Bimodal coupling of ripples and slower oscillations during sleep in patients with focal epilepsy. Epilepsia, 2017, 58, 1972-1984.	2.6	46
131	Epilepsy surgery. Current Opinion in Neurology, 1994, 7, 140-147.	1.8	44
132	Identifying psychogenic seizures through comorbidities and medication history. Epilepsia, 2017, 58, 1852-1860.	2.6	44
133	Single neuron burst firing in the human hippocampus during sleep. Hippocampus, 2002, 12, 724-734.	0.9	43
134	Neuronal firing patterns during the spread of an occipital lobe seizure to the temporal lobes in man. Electroencephalography and Clinical Neurophysiology, 1981, 51, 104-107.	0.3	42
135	In vivo measurements of glutamine+ glutamate (Glx) and N-acetyl aspartate (NAA) levels in human partial epilepsy. Acta Neurologica Scandinavica, 2000, 102, 179-188.	1.0	42
136	Surgical Treatment of Epilepsy: Opportunities for Research Into Basic Mechanisms of Human Brain Function. Acta Neurochirurgica Supplementum, 1989, 46, 3-8.	0.5	42
137	Classification of Epilepticâ€”Disorders. Epilepsia, 2002, 42, 316-316.	2.6	41
138	Safety of focused ultrasound neuromodulation in humans with temporal lobe epilepsy. Brain Stimulation, 2021, 14, 1022-1031.	0.7	41
139	Decreased Neuronal Burst Discharge Near Site of Seizure Onset in Epileptic Human Temporal Lobes. Epilepsia, 1996, 37, 113-121.	2.6	40
140	Visually validated semi-automatic high-frequency oscillation detection aides the delineation of epileptogenic regions during intra-operative electrocorticography. Clinical Neurophysiology, 2018, 129, 2089-2098.	0.7	40
141	Long-term monitoring for epilepsy. Report of an IFCN committee. Electroencephalography and Clinical Neurophysiology, 1993, 87, 437-458.	0.3	39
142	Regional cortical thickness changes accompanying generalized tonic-clonic seizures. Neurolmage: Clinical, 2018, 20, 205-215.	1.4	39
143	Neurobiology of Behavior: Anatomic and Physiological Implications Related to Epilepsy. Epilepsia, 1986, 27, S3-13.	2.6	38
144	The Cause of the Imbalance in the Neuronal Network Leading to Seizure Activity Can Be Predicted by the Electrographic Pattern of the Seizure Onset. Journal of Neuroscience, 2009, 29, 3660-3671.	1.7	38

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145	Reduced Anesthetization during the Intracarotid Amobarbital (Wada) Test in Patients Taking Carbonic Anhydrase-Inhibiting Medications. <i>Epilepsia</i> , 2005, 46, 236-243.	2.6	37
146	Structural–functional coupling changes in temporal lobe epilepsy. <i>Brain Research</i> , 2015, 1616, 45-57.	1.1	37
147	Is it time to replace epileptic spikes with fast ripples?. <i>Neurology</i> , 2015, 85, 114-115.	1.5	37
148	Prognostic Significance of Independent Auras in Temporal Lobe Seizures. <i>Epilepsia</i> , 1989, 30, 322-331.	2.6	36
149	Resumption of behavior following intracarotid sodium amobarbital injection. <i>Annals of Neurology</i> , 1984, 15, 31-35.	2.8	35
150	Personality Disorders Among Medically Refractory Epileptic Patients. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 1999, 11, 464-469.	0.9	34
151	An objective score to identify psychogenic seizures based on age of onset and history. <i>Epilepsy and Behavior</i> , 2018, 80, 75-83.	0.9	34
152	Extrahippocampal high-frequency oscillations during epileptogenesis. <i>Epilepsia</i> , 2018, 59, e51-e55.	2.6	33
153	A method for the topographical identification and quantification of high frequency oscillations in intracranial electroencephalography recordings. <i>Clinical Neurophysiology</i> , 2018, 129, 308-318.	0.7	33
154	Utilization of independent component analysis for accurate pathological ripple detection in intracranial EEG recordings recorded extra- and intra-operatively. <i>Clinical Neurophysiology</i> , 2018, 129, 296-307.	0.7	33
155	Interneurons and principal cell firing in human limbic areas at focal seizure onset. <i>Neurobiology of Disease</i> , 2019, 124, 183-188.	2.1	33
156	Sphenoidal Electrodes. <i>Journal of Clinical Neurophysiology</i> , 1986, 3, 67-73.	0.9	32
157	Research on the human brain in an epilepsy surgery setting. <i>Epilepsy Research</i> , 1998, 32, 1-11.	0.8	32
158	Increased afterdischarge threshold during kindling in epileptic rats. <i>Experimental Brain Research</i> , 2002, 144, 30-37.	0.7	32
159	The epilepsy bioinformatics study for anti-epileptogenic therapy (EpiBioS4Rx) clinical biomarker: Study design and protocol. <i>Neurobiology of Disease</i> , 2019, 123, 110-114.	2.1	32
160	Safety, efficacy, and life satisfaction following epilepsy surgery in patients aged 60 years and older. <i>Journal of Neurosurgery</i> , 2016, 124, 945-951.	0.9	31
161	Regional Analyses of CNS Microdialysate Glucose and Lactate in Seizure Patients. <i>Epilepsia</i> , 2002, 43, 1360-1371.	2.6	29
162	Ictal Depth EEG and MRI Structural Evidence for Two Different Epileptogenic Networks in Mesial Temporal Lobe Epilepsy. <i>PLoS ONE</i> , 2015, 10, e0123588.	1.1	29

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163	Quantitative Comparison of Cell Loss and Thiopental-Induced EEG Changes in Human Epileptic Hippocampus. <i>Epilepsia</i> , 1989, 30, 147-156.	2.6	27
164	Design considerations for a multicenter randomized controlled trial of early surgery for mesial temporal lobe epilepsy. <i>Epilepsia</i> , 2010, 51, 1978-1986.	2.6	27
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