

Jerome Engel Jr

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268
papers

29,521
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170
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286
ext. papers

33,827
ext. citations

6
avg, IF

7.2
L-index

#	Paper	IF	Citations
268	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, 676-85	6.4	2950
267	ILAE official report: a practical clinical definition of epilepsy. <i>Epilepsia</i> , 2014 , 55, 475-82	6.4	2408
266	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, 470-2	6.4	2116
265	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	6.4	1631
264	Simultaneous EEG and fMRI of the alpha rhythm. <i>NeuroReport</i> , 2002 , 13, 2487-2492	1.7	866
263	Early surgical therapy for drug-resistant temporal lobe epilepsy: a randomized trial. <i>JAMA - Journal of the American Medical Association</i> , 2012 , 307, 922-30	27.4	722
262	Surgery for seizures. <i>New England Journal of Medicine</i> , 1996 , 334, 647-52	59.2	673
261	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, 127-37	6.4	554
260	Glossary of descriptive terminology for ictal semiology: report of the ILAE task force on classification and terminology. <i>Epilepsia</i> , 2001 , 42, 1212-8	6.4	545
259	High-frequency oscillations in human brain. <i>Hippocampus</i> , 1999 , 9, 137-42	3.5	507
258	Report of the ILAE classification core group. <i>Epilepsia</i> , 2006 , 47, 1558-68	6.4	491
257	Quantitative analysis of high-frequency oscillations (80-500 Hz) recorded in human epileptic hippocampus and entorhinal cortex. <i>Journal of Neurophysiology</i> , 2002 , 88, 1743-52	3.2	453
256	Simultaneous EEG and fMRI of the alpha rhythm. <i>NeuroReport</i> , 2002 , 13, 2487-92	1.7	378
255	Epileptic patterns of local cerebral metabolism and perfusion in humans determined by emission computed tomography of 18FDG and 13NH3. <i>Annals of Neurology</i> , 1980 , 8, 348-60	9.4	371
254	High-frequency oscillations: what is normal and what is not?. <i>Epilepsia</i> , 2009 , 50, 598-604	6.4	362
253	Mesial temporal lobe epilepsy: what have we learned?. <i>Neuroscientist</i> , 2001 , 7, 340-52	7.6	342
252	Local generation of fast ripples in epileptic brain. <i>Journal of Neuroscience</i> , 2002 , 22, 2012-21	6.6	331

251	Pathological findings underlying focal temporal lobe hypometabolism in partial epilepsy. <i>Annals of Neurology</i> , 1982 , 12, 518-28	9.4	321
250	Introduction to temporal lobe epilepsy. <i>Epilepsy Research</i> , 1996 , 26, 141-50	3	303
249	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, 1310-35	6.4	293
248	High-frequency oscillations after status epilepticus: epileptogenesis and seizure genesis. <i>Epilepsia</i> , 2004 , 45, 1017-23	6.4	280
247	Interictal cerebral glucose metabolism in partial epilepsy and its relation to EEG changes. <i>Annals of Neurology</i> , 1982 , 12, 510-7	9.4	278
246	A health-related quality of life instrument for patients evaluated for epilepsy surgery. <i>Medical Care</i> , 1992 , 30, 299-319	3.1	271
245	Correlation of criteria used for localizing epileptic foci in patients considered for surgical therapy of epilepsy. <i>Annals of Neurology</i> , 1981 , 9, 215-24	9.4	258
244	Interictal high-frequency oscillations (80-500 Hz) in the human epileptic brain: entorhinal cortex. <i>Annals of Neurology</i> , 2002 , 52, 407-15	9.4	247
243	Comparative localization of epileptic foci in partial epilepsy by PCT and EEG. <i>Annals of Neurology</i> , 1982 , 12, 529-37	9.4	241
242	Electrophysiologic analysis of a chronic seizure model after unilateral hippocampal KA injection. <i>Epilepsia</i> , 1999 , 40, 1210-21	6.4	233
241	Anatomical correlates of electrical and behavioral events related to amygdaloid kindling. <i>Annals of Neurology</i> , 1978 , 3, 538-44	9.4	233
240	Acquiring simultaneous EEG and functional MRI. <i>Clinical Neurophysiology</i> , 2000 , 111, 1974-80	4.3	232
239	High-frequency oscillations recorded in human medial temporal lobe during sleep. <i>Annals of Neurology</i> , 2004 , 56, 108-15	9.4	231
238	Role of the frontal lobes in the propagation of mesial temporal lobe seizures. <i>Epilepsia</i> , 1991 , 32, 822-37	6.4	211
237	Practice parameter: temporal lobe and localized neocortical resections for epilepsy. <i>Epilepsia</i> , 2003 , 44, 741-51	6.4	204
236	Referral pattern for epilepsy surgery after evidence-based recommendations: a retrospective study. <i>Neurology</i> , 2010 , 75, 699-704	6.5	190
235	Reduced neocortical thickness and complexity mapped in mesial temporal lobe epilepsy with hippocampal sclerosis. <i>Cerebral Cortex</i> , 2007 , 17, 2007-18	5.1	181
234	Connectomics and epilepsy. <i>Current Opinion in Neurology</i> , 2013 , 26, 186-94	7.1	172

233	Identification of new epilepsy treatments: issues in preclinical methodology. <i>Epilepsia</i> , 2012 , 53, 571-82	6.4	171
232	Magnetic resonance imaging in intractable partial epilepsy: correlative studies. <i>Annals of Neurology</i> , 1986 , 20, 57-62	9.4	171
231	Epilepsy biomarkers. <i>Epilepsia</i> , 2013 , 54 Suppl 4, 61-9	6.4	165
230	Electrophysiological correlates of pathology and surgical results in temporal lobe epilepsy. <i>Brain</i> , 1975 , 98, 129-56	11.2	159
229	High-frequency oscillations: The state of clinical research. <i>Epilepsia</i> , 2017 , 58, 1316-1329	6.4	156
228	Endogenous opioids may mediate post-ictal behavioral depression in amygdaloid-kindled rats. <i>Brain Research</i> , 1979 , 167, 435-40	3.7	151
227	Past and present definitions of epileptogenesis and its biomarkers. <i>Neurotherapeutics</i> , 2014 , 11, 231-41	6.4	150
226	Quantifying interictal metabolic activity in human temporal lobe epilepsy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1990 , 10, 748-57	7.3	149
225	Large-scale microelectrode recordings of high-frequency gamma oscillations in human cortex during sleep. <i>Journal of Neuroscience</i> , 2010 , 30, 7770-82	6.6	145
224	Analysis of chronic seizure onsets after intrahippocampal kainic acid injection in freely moving rats. <i>Epilepsia</i> , 2005 , 46, 1592-8	6.4	144
223	Functional connectivity of hippocampal networks in temporal lobe epilepsy. <i>Epilepsia</i> , 2014 , 55, 137-45	6.4	142
222	Cerebral microdialysis combined with single-neuron and electroencephalographic recording in neurosurgical patients. Technical note. <i>Journal of Neurosurgery</i> , 1999 , 91, 697-705	3.2	140
221	ILAE classification of epilepsy syndromes. <i>Epilepsy Research</i> , 2006 , 70 Suppl 1, S5-10	3	135
220	High-frequency oscillations in epileptic brain. <i>Current Opinion in Neurology</i> , 2010 , 23, 151-6	7.1	131
219	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, 245-54	3	131
218	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	9.4	124
217	Commonalities in epileptogenic processes from different acute brain insults: Do they translate?. <i>Epilepsia</i> , 2018 , 59, 37-66	6.4	123
216	Interhemispheric propagation time of human hippocampal seizures. I. Relationship to surgical outcome. <i>Epilepsia</i> , 1986 , 27, 286-93	6.4	117

215	Temporo-spatial patterns of pre-ictal spike activity in human temporal lobe epilepsy. <i>Electroencephalography and Clinical Neurophysiology</i> , 1983 , 56, 543-55		117
214	The cherry-red spot--myoclonus syndrome. <i>Annals of Neurology</i> , 1978 , 3, 234-42	9.4	116
213	Interictal EEG spikes correlate with decreased, rather than increased, epileptogenicity in amygdaloid kindled rats. <i>Brain Research</i> , 1980 , 190, 543-8	3.7	115
212	Cell type-specific firing during ripple oscillations in the hippocampal formation of humans. <i>Journal of Neuroscience</i> , 2008 , 28, 6104-10	6.6	113
211	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	6.4	113
210	Increased fast ripple to ripple ratios correlate with reduced hippocampal volumes and neuron loss in temporal lobe epilepsy patients. <i>Epilepsia</i> , 2007 , 48, 2130-8	6.4	112
209	Local cerebral metabolic rate for glucose during petit mal absences. <i>Annals of Neurology</i> , 1985 , 17, 121-8	9.4	111
208	Surface and deep EEG correlates of surgical outcome in temporal lobe epilepsy. <i>Epilepsia</i> , 1981 , 22, 515-38	8.4	107
207	Long-lasting depletion of dopamine in the rat amygdala induced by kindling stimulation. <i>Brain Research</i> , 1977 , 136, 381-6	3.7	107
206	Excitation and inhibition in epilepsy. <i>Canadian Journal of Neurological Sciences</i> , 1996 , 23, 167-74	1	106
205	Hippocampal neuronal loss and regional hypometabolism in temporal lobe epilepsy. <i>Annals of Neurology</i> , 1994 , 36, 925-7	9.4	105
204	The magnetic field of complex partial seizures agrees with intracranial localizations. <i>Annals of Neurology</i> , 1987 , 21, 548-58	9.4	101
203	High-frequency oscillations - where we are and where we need to go. <i>Progress in Neurobiology</i> , 2012 , 98, 316-8	10.9	99
202	What can we do for people with drug-resistant epilepsy? The 2016 Wartenberg Lecture. <i>Neurology</i> , 2016 , 87, 2483-2489	6.5	99
201	Getting the best outcomes from epilepsy surgery. <i>Annals of Neurology</i> , 2018 , 83, 676-690	9.4	97
200	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	6.4	97
199	Sleep state and seizure foci related to depth spike activity in patients with temporal lobe epilepsy. <i>Electroencephalography and Clinical Neurophysiology</i> , 1980 , 49, 538-57		95
198	Prolactin in partial epilepsy: an indicator of limbic seizures. <i>Annals of Neurology</i> , 1986 , 20, 716-22	9.4	90

197	Effect of lateralized temporal lobe epilepsy on the default mode network. <i>Epilepsy and Behavior</i> , 2012 , 25, 350-7	3.2	86
196	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, 1526-33	6.4	85
195	Classifications of the International League Against Epilepsy: time for reappraisal. <i>Epilepsia</i> , 1998 , 39, 1014-7	6.4	82
194	Patient attitudes about treatments for intractable epilepsy. <i>Epilepsy and Behavior</i> , 2003 , 4, 19-25	3.2	79
193	Surgical treatment for epilepsy: too little, too late?. <i>JAMA - Journal of the American Medical Association</i> , 2008 , 300, 2548-50	27.4	76
192	Unilateral hippocampal sclerosis with contralateral temporal scalp ictal onset. <i>Epilepsia</i> , 2004 , 45, 792-802	2.4	76
191	The challenge and promise of anti-epileptic therapy development in animal models. <i>Lancet Neurology, The</i> , 2014 , 13, 949-60	24.1	75
190	The current place of epilepsy surgery. <i>Current Opinion in Neurology</i> , 2018 , 31, 192-197	7.1	73
189	Spatial stability over time of brain areas generating fast ripples in the epileptic rat. <i>Epilepsia</i> , 2003 , 44, 1233-7	6.4	73
188	Intracerebral recordings: organization of the human epileptogenic region. <i>Journal of Clinical Neurophysiology</i> , 1993 , 10, 90-8	2.2	73
187	Ictal onset patterns of local field potentials, high frequency oscillations, and unit activity in human mesial temporal lobe epilepsy. <i>Epilepsia</i> , 2016 , 57, 111-21	6.4	73
186	Voltage depth profiles of high-frequency oscillations after kainic acid-induced status epilepticus. <i>Epilepsia</i> , 2007 , 48 Suppl 5, 35-40	6.4	72
185	Sleep states differentiate single neuron activity recorded from human epileptic hippocampus, entorhinal cortex, and subiculum. <i>Journal of Neuroscience</i> , 2002 , 22, 5694-704	6.6	72
184	Glutamate currents in morphologically identified human dentate granule cells in temporal lobe epilepsy. <i>Journal of Neurophysiology</i> , 1997 , 77, 3355-69	3.2	70
183	The use of positron emission tomographic scanning in epilepsy. <i>Annals of Neurology</i> , 1984 , 15 Suppl, S180-91	9.4	69
182	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		67
181	Three-dimensional hippocampal atrophy maps distinguish two common temporal lobe seizure-onset patterns. <i>Epilepsia</i> , 2009 , 50, 1361-70	6.4	65
180	The timing of surgical intervention for mesial temporal lobe epilepsy: a plan for a randomized clinical trial. <i>Archives of Neurology</i> , 1999 , 56, 1338-41		64

179	Three-dimensional surface maps link local atrophy and fast ripples in human epileptic hippocampus. <i>Annals of Neurology</i> , 2009 , 66, 783-91	9.4	63
178	Finding a better drug for epilepsy: preclinical screening strategies and experimental trial design. <i>Epilepsia</i> , 2012 , 53, 1860-7	6.4	61
177	Mesial temporal spikes: a simultaneous comparison of sphenoidal, nasopharyngeal, and ear electrodes. <i>Epilepsia</i> , 1986 , 27, 81-6	6.4	61
176	Neuropathological findings following temporal lobectomy related to surface and deep EEG patterns. <i>Epilepsia</i> , 1981 , 22, 539-49	6.4	61
175	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, 263-9	6.5	59
174	Approaches to refractory epilepsy. <i>Annals of Indian Academy of Neurology</i> , 2014 , 17, S12-7	0.9	58
173	A Greater Role for Surgical Treatment of Epilepsy: Why and When?. <i>Epilepsy Currents</i> , 2003 , 3, 37-40	1.3	57
172	Analysis of seizure onset on the basis of wideband EEG recordings. <i>Epilepsia</i> , 2005 , 46 Suppl 5, 59-63	6.4	57
171	Falsely localizing ictal onsets with depth EEG telemetry during anticonvulsant withdrawal. <i>Epilepsia</i> , 1983 , 24, 344-55	6.4	57
170	Limbic postictal events: anatomical substrates and opioid receptor involvement. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1987 , 11, 389-418	5.5	56
169	Pathologic electrographic changes after experimental traumatic brain injury. <i>Epilepsia</i> , 2016 , 57, 735-45	6.4	56
168	The progression of electrophysiologic abnormalities during epileptogenesis after experimental traumatic brain injury. <i>Epilepsia</i> , 2016 , 57, 1558-1567	6.4	56
167	A systems level, functional genomics analysis of chronic epilepsy. <i>PLoS ONE</i> , 2011 , 6, e20763	3.7	55
166	Advances in understanding the process of epileptogenesis based on patient material: what can the patient tell us?. <i>Epilepsia</i> , 2003 , 44 Suppl 12, 60-71	6.4	55
165	Finally, a randomized, controlled trial of epilepsy surgery. <i>New England Journal of Medicine</i> , 2001 , 345, 365-7	59.2	55
164	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	7	51
163	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, 123-6	3.2	51
162	Opioid-induced epileptogenic phenomena: anatomical, behavioral, and electroencephalographic features. <i>Annals of Neurology</i> , 1984 , 15, 361-8	9.4	49

161	Early seizures and temporal lobe trauma predict post-traumatic epilepsy: A longitudinal study. <i>Neurobiology of Disease</i> , 2019 , 123, 115-121	7.5	48
160	Ictal and enduring interictal disturbances in emotional behaviour in an animal model of temporal lobe epilepsy. <i>Brain Research</i> , 1987 , 400, 360-4	3.7	47
159	Changes in intelligence following temporal lobectomy: relationship to EEG activity, seizure relief, and pathology. <i>Epilepsia</i> , 1982 , 23, 1-13	6.4	47
158	Biomarkers in epilepsy: introduction. <i>Biomarkers in Medicine</i> , 2011 , 5, 537-44	2.3	46
157	Facilitation of amygdaloid kindling by lesions of the stria terminalis. <i>Brain Research</i> , 1977 , 122, 137-42	3.7	46
156	The use and impact of positron computed tomography scanning in epilepsy. <i>Epilepsia</i> , 1984 , 25 Suppl 2, S86-104	6.4	45
155	Electroencephalographic recording from the temporal lobes: a comparison of ear, anterior temporal, and nasopharyngeal electrodes. <i>Annals of Neurology</i> , 1985 , 17, 510-3	9.4	45
154	Ripples on spikes show increased phase-amplitude coupling in mesial temporal lobe epilepsy seizure-onset zones. <i>Epilepsia</i> , 2016 , 57, 1916-1930	6.4	43
153	Electrophysiological studies in two patients with cherry red spot--myoclonus syndrome. <i>Epilepsia</i> , 1977 , 18, 73-87	6.4	43
152	Update on Cysticercosis Epileptogenesis: the Role of the Hippocampus. <i>Current Neurology and Neuroscience Reports</i> , 2016 , 16, 1	6.6	42
151	Functionalized magnetonanoparticles for MRI diagnosis and localization in epilepsy. <i>Epilepsia</i> , 2008 , 49, 1419-30	6.4	42
150	Progress in epilepsy: reducing the treatment gap and the promise of biomarkers. <i>Current Opinion in Neurology</i> , 2008 , 21, 150-4	7.1	42
149	Single neuron burst firing in the human hippocampus during sleep. <i>Hippocampus</i> , 2002 , 12, 724-34	3.5	42
148	Differences in graph theory functional connectivity in left and right temporal lobe epilepsy. <i>Epilepsy Research</i> , 2014 , 108, 1770-81	3	41
147	Analysis of initial slow waves (ISWs) at the seizure onset in patients with drug resistant temporal lobe epilepsy. <i>Epilepsia</i> , 2007 , 48, 1883-94	6.4	41
146	Rate of interictal events and spontaneous seizures in epileptic rats after electrical stimulation of hippocampus and its afferents. <i>Epilepsia</i> , 2002 , 43 Suppl 5, 81-5	6.4	41
145	Epileptogenesis after self-sustaining status epilepticus. <i>Epilepsia</i> , 2002 , 43 Suppl 5, 74-80	6.4	40
144	In vivo measurements of glutamine + glutamate (Glx) and N-acetyl aspartate (NAA) levels in human partial epilepsy. <i>Acta Neurologica Scandinavica</i> , 2000 , 102, 179-88	3.8	39

143	Low-voltage fast seizures in humans begin with increased interneuron firing. <i>Annals of Neurology</i> , 2018 , 84, 588-600	9.4	39
142	Single-unit activities during epileptic discharges in the human hippocampal formation. <i>Frontiers in Computational Neuroscience</i> , 2013 , 7, 140	3.5	38
141	Epilepsy surgery. <i>Current Opinion in Neurology</i> , 1994 , 7, 140-7	7.1	37
140	Decreased neuronal burst discharge near site of seizure onset in epileptic human temporal lobes. <i>Epilepsia</i> , 1996 , 37, 113-21	6.4	36
139	Surgical treatment of epilepsy: opportunities for research into basic mechanisms of human brain function. <i>Acta Neurochirurgica Supplementum</i> , 1989 , 46, 3-8	1.7	36
138	Epilepsy, cognition, and neuropsychiatry (Epilepsy, Brain, and Mind, part 2). <i>Epilepsy and Behavior</i> , 2013 , 28, 283-302	3.2	35
137	Neuronal firing patterns during the spread of an occipital lobe seizure to the temporal lobes in man. <i>Electroencephalography and Clinical Neurophysiology</i> , 1981 , 51, 104-7		35
136	The cause of the imbalance in the neuronal network leading to seizure activity can be predicted by the electrographic pattern of the seizure onset. <i>Journal of Neuroscience</i> , 2009 , 29, 3660-71	6.6	34
135	Neurobiology of behavior: anatomic and physiological implications related to epilepsy. <i>Epilepsia</i> , 1986 , 27 Suppl 2, S3-13	6.4	34
134	Prognostic significance of independent auras in temporal lobe seizures. <i>Epilepsia</i> , 1989 , 30, 322-31	6.4	33
133	Long-term monitoring for epilepsy. Report of an IFCN committee. <i>Electroencephalography and Clinical Neurophysiology</i> , 1993 , 87, 437-58		32
132	Resumption of behavior following intracarotid sodium amobarbital injection. <i>Annals of Neurology</i> , 1984 , 15, 31-5	9.4	32
131	Sphenoidal electrodes. <i>Journal of Clinical Neurophysiology</i> , 1986 , 3, 67-73	2.2	31
130	Biomarkers for epileptogenesis and its treatment. <i>Neuropharmacology</i> , 2020 , 167, 107735	5.5	31
129	Identifying psychogenic seizures through comorbidities and medication history. <i>Epilepsia</i> , 2017 , 58, 1852-1860	18.60	30
128	Classification of epileptic disorders. <i>Epilepsia</i> , 2001 , 42, 316	6.4	30
127	Reduced anesthetization during the intracarotid amobarbital (Wada) test in patients taking carbonic anhydrase-inhibiting medications. <i>Epilepsia</i> , 2005 , 46, 236-43	6.4	30
126	Response: Definitions Proposed by the International League Against Epilepsy (ILAE) and the International Bureau for Epilepsy (IBE). <i>Epilepsia</i> , 2005 , 46, 1701-1702	6.4	29

125	Increased afterdischarge threshold during kindling in epileptic rats. <i>Experimental Brain Research</i> , 2002 , 144, 30-7	2.3	28
124	Personality disorders among medically refractory epileptic patients. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 1999 , 11, 464-9	2.7	28
123	Safety, efficacy, and life satisfaction following epilepsy surgery in patients aged 60 years and older. <i>Journal of Neurosurgery</i> , 2016 , 124, 945-51	3.2	26
122	Bimodal coupling of ripples and slower oscillations during sleep in patients with focal epilepsy. <i>Epilepsia</i> , 2017 , 58, 1972-1984	6.4	25
121	An objective score to identify psychogenic seizures based on age of onset and history. <i>Epilepsy and Behavior</i> , 2018 , 80, 75-83	3.2	25
120	Research on the human brain in an epilepsy surgery setting. <i>Epilepsy Research</i> , 1998 , 32, 1-11	3	25
119	Regional analyses of CNS microdialysate glucose and lactate in seizure patients. <i>Epilepsia</i> , 2002 , 43, 1366-71	6.1	25
118	Functional localization of epileptogenic lesions. <i>Trends in Neurosciences</i> , 1983 , 6, 60-65	13.3	25
117	Quantitative comparison of cell loss and thiopental-induced EEG changes in human epileptic hippocampus. <i>Epilepsia</i> , 1989 , 30, 147-56	6.4	24
116	Functional connectivity homogeneity correlates with duration of temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2015 , 46, 227-33	3.2	23
115	Ictal depth EEG and MRI structural evidence for two different epileptogenic networks in mesial temporal lobe epilepsy. <i>PLoS ONE</i> , 2015 , 10, e0123588	3.7	23
114	PET scanning in partial epilepsy. <i>Canadian Journal of Neurological Sciences</i> , 1991 , 18, 588-92	1	23
113	The goal of epilepsy therapy: no seizures, no side effects, as soon as possible. <i>CNS Spectrums</i> , 2004 , 9, 95-7	1.8	22
112	Visually validated semi-automatic high-frequency oscillation detection aides the delineation of epileptogenic regions during intra-operative electrocorticography. <i>Clinical Neurophysiology</i> , 2018 , 129, 2089-2098	4.3	21
111	Effects of chronic naloxone pretreatment on amygdaloid kindling in rats. <i>Epilepsy Research</i> , 1991 , 10, 103-10	3	21
110	Secondary epileptogenesis in rats. <i>Electroencephalography and Clinical Neurophysiology</i> , 1968 , 25, 494-8		21
109	Network analysis of the default mode network using functional connectivity MRI in Temporal Lobe Epilepsy. <i>Journal of Visualized Experiments</i> , 2014 , e51442	1.6	20
108	Stereotactic investigation of limbic epilepsy using a multimodal image analysis system. Technical note. <i>Journal of Neurosurgery</i> , 1990 , 73, 792-7	3.2	20

107	Regional cortical thickness changes accompanying generalized tonic-clonic seizures. <i>NeuroImage: Clinical</i> , 2018 , 20, 205-215	5.3	19
106	Extrahippocampal high-frequency oscillations during epileptogenesis. <i>Epilepsia</i> , 2018 , 59, e51-e55	6.4	18
105	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	4.3	18
104	Structural-functional coupling changes in temporal lobe epilepsy. <i>Brain Research</i> , 2015 , 1616, 45-57	3.7	18
103	Design considerations for a multicenter randomized controlled trial of early surgery for mesial temporal lobe epilepsy. <i>Epilepsia</i> , 2010 , 51, 1978-86	6.4	18
102	The role of neuroimaging in the surgical treatment of epilepsy. <i>Acta Neurologica Scandinavica</i> , 1988 , 117, 84-9	3.8	18
101	Turnover of RNA in normal and secondarily epileptogenic rabbit cortex. <i>Experimental Neurology</i> , 1970 , 26, 221-38	5.7	18
100	Structural and functional correlates of epileptogenesis - does gender matter?. <i>Neurobiology of Disease</i> , 2014 , 70, 69-73	7.5	17
99	Reply to Df Cabbages and Kings: Some Considerations on Classifications, Diagnostic Schemes, Semiology, and Concepts. <i>Epilepsia</i> , 2003 , 44, 4-5	6.4	17
98	Experimental animal models of epilepsy: classification and relevance to human epileptic phenomena. <i>Epilepsy Research Supplement</i> , 1992 , 8, 9-20		17
97	"Interneurons and principal cell firing in human limbic areas at focal seizure onset". <i>Neurobiology of Disease</i> , 2019 , 124, 183-188	7.5	17
96	A method for the topographical identification and quantification of high frequency oscillations in intracranial electroencephalography recordings. <i>Clinical Neurophysiology</i> , 2018 , 129, 308-318	4.3	16
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