

Jerome Engel Jr

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/633748/jerome-engel-jr-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

268
papers

29,521
citations

76
h-index

170
g-index

286
ext. papers

33,827
ext. citations

6
avg, IF

7.2
L-index

#	Paper	IF	Citations
268	Refining epileptogenic high-frequency oscillations using deep learning: a reverse engineering approach.. <i>Brain Communications</i> , 2022 , 4, fcab267	4.5	1
267	Spatial and temporal profile of high-frequency oscillations in posttraumatic epileptogenesis. <i>Neurobiology of Disease</i> , 2021 , 161, 105544	7.5	3
266	Drug Resistant Epilepsy and the hypothesis of intrinsic severity: What about the High-Frequency Oscillations?. <i>Epilepsia Open</i> , 2021 ,	4	2
265	Accuracy of high-frequency oscillations recorded intraoperatively for classification of epileptogenic regions. <i>Scientific Reports</i> , 2021 , 11, 21388	4.9	0
264	Topographical reorganization of brain functional connectivity during an early period of epileptogenesis. <i>Epilepsia</i> , 2021 , 62, 1231-1243	6.4	4
263	Factors associated with delay to video-EEG in dissociative seizures. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2021 , 86, 155-160	3.2	5
262	Epilepsy, dissociative seizures, and mixed: Associations with time to video-EEG. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2021 , 86, 116-122	3.2	1
261	Association of hypometabolic extension of F-FDG PET with diffusion tensor imaging indices in mesial temporal lobe epilepsy with hippocampal sclerosis. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2021 , 88, 130-137	3.2	
260	Sleep and Epilepsy, Clinical Spectrum and Updated Review. <i>Sleep Medicine Clinics</i> , 2021 , 16, 389-408	3.6	3
259	Spike and wave discharges and fast ripples during posttraumatic epileptogenesis. <i>Epilepsia</i> , 2021 , 62, 1842-1851	6.4	2
258	Safety of focused ultrasound neuromodulation in humans with temporal lobe epilepsy. <i>Brain Stimulation</i> , 2021 , 14, 1022-1031	5.1	11
257	Reliability of additional reported seizure manifestations to identify dissociative seizures. <i>Epilepsy and Behavior</i> , 2021 , 115, 107696	3.2	2
256	Antiepileptogenesis and disease modification: Clinical and regulatory issues. <i>Epilepsia Open</i> , 2021 , 6, 483-492	4	1
255	A minority of patients with functional seizures have abnormalities on neuroimaging. <i>Journal of the Neurological Sciences</i> , 2021 , 427, 117548	3.2	2
254	Title: Functional seizures across the adult lifespan: female sex, delay to diagnosis and disability. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2021 , 91, 476-483	3.2	0
253	Automatic Electrophysiological Noise Reduction and Epileptic Seizure Detection for Stereoelectroencephalography. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2021 , 2021, 107-112	0.9	0
252	Distribution and volume analysis of early hemorrhagic contusions by MRI after traumatic brain injury: a preliminary report of the Epilepsy Bioinformatics Study for Antiepileptogenic Therapy (EpiBioS4Rx).. <i>Brain Imaging and Behavior</i> , 2021 , 15, 2804-2812	4.1	0

251	Ripples Have Distinct Spectral Properties and Phase-Amplitude Coupling With Slow Waves, but Indistinct Unit Firing, in Human Epileptogenic Hippocampus. <i>Frontiers in Neurology</i> , 2020 , 11, 174	4.1	7
250	Perceptions of illness severity in adults with drug-resistant temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2020 , 109, 107091	3.2	3
249	Reduced left amygdala volume in patients with dissociative seizures (psychogenic nonepileptic seizures). <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020 , 75, 43-48	3.2	5
248	First Randomized Study of Epilepsy Surgery: 20 Years Later What Has Changed?. <i>Epilepsy Currents</i> , 2020 , 20, 19S-21S	1.3	0
247	Objective score from initial interview identifies patients with probable dissociative seizures. <i>Epilepsy and Behavior</i> , 2020 , 113, 107525	3.2	7
246	Neurobiology of Medication-Resistant Epilepsy 2020 , 62-68		
245	Surgical decision-making among patients with uncontrolled epilepsy: "Making important decisions about my brain, which I happen to love". <i>Chronic Illness</i> , 2020 , 1742395320968622	1.4	1
244	Biomarkers for epileptogenesis and its treatment. <i>Neuropharmacology</i> , 2020 , 167, 107735	5.5	31
243	Localizing epileptogenic regions using high-frequency oscillations and machine learning. <i>Biomarkers in Medicine</i> , 2019 , 13, 409-418	2.3	10
242	Reliability of reported peri-ictal behavior to identify psychogenic nonepileptic seizures. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2019 , 67, 45-51	3.2	12
241	Unit firing and oscillations at seizure onset in epileptic rodents. <i>Neurobiology of Disease</i> , 2019 , 127, 382-389	3.9	5
240	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
239	The epilepsy bioinformatics study for anti-epileptogenic therapy (EpiBioS4Rx) clinical biomarker: Study design and protocol. <i>Neurobiology of Disease</i> , 2019 , 123, 110-114	7.5	16
238	Evolution of concepts in epilepsy surgery 2019 , 21, 391-409		7
237	"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
236	Epileptogenesis, traumatic brain injury, and biomarkers. <i>Neurobiology of Disease</i> , 2019 , 123, 3-7	7.5	16
235	Extrahippocampal high-frequency oscillations during epileptogenesis. <i>Epilepsia</i> , 2018 , 59, e51-e55	6.4	18
234	Getting the best outcomes from epilepsy surgery. <i>Annals of Neurology</i> , 2018 , 83, 676-690	9.4	97

233	Seizure development in the acute intrahippocampal epileptic focus. <i>Scientific Reports</i> , 2018 , 8, 1423	4.9	8
232	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
231	The current place of epilepsy surgery. <i>Current Opinion in Neurology</i> , 2018 , 31, 192-197	7.1	73
230	Commonalities in epileptogenic processes from different acute brain insults: Do they translate?. <i>Epilepsia</i> , 2018 , 59, 37-66	6.4	123
229	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
228	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
227	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
226	Regional cortical thickness changes accompanying generalized tonic-clonic seizures. <i>NeuroImage: Clinical</i> , 2018 , 20, 205-215	5.3	19
225	Nonictal EEG biomarkers for diagnosis and treatment. <i>Epilepsia Open</i> , 2018 , 3, 120-126	4	7
224	Low-voltage fast seizures in humans begin with increased interneuron firing. <i>Annals of Neurology</i> , 2018 , 84, 588-600	9.4	39
223	Diagnostic implications of review-of-systems questionnaires to differentiate epileptic seizures from psychogenic seizures. <i>Epilepsy and Behavior</i> , 2017 , 69, 69-74	3.2	11
222	WONOEP appraisal: Development of epilepsy biomarkers-What we can learn from our patients?. <i>Epilepsia</i> , 2017 , 58, 951-961	6.4	12
221	Failed epilepsy surgery deserves a second chance. <i>Clinical Neurology and Neurosurgery</i> , 2017 , 163, 110-115	15	15
220	Bimodal coupling of ripples and slower oscillations during sleep in patients with focal epilepsy. <i>Epilepsia</i> , 2017 , 58, 1972-1984	6.4	25
219	Identifying psychogenic seizures through comorbidities and medication history. <i>Epilepsia</i> , 2017 , 58, 1852-1860	3.0	30
218	High-frequency oscillations: The state of clinical research. <i>Epilepsia</i> , 2017 , 58, 1316-1329	6.4	156
217	How long for epilepsy remission in the ILAE definition?. <i>Epilepsia</i> , 2017 , 58, 1486-1487	6.4	3
216	AR2, a novel automatic artifact reduction software method for ictal EEG interpretation: Validation and comparison of performance with commercially available software. <i>F1000Research</i> , 2017 , 6, 30	3.6	3

215	Use of resting-state fMRI in planning epilepsy surgery. <i>Neurology India</i> , 2017 , 65, S25-S33	0.7	2
214	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
213	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
212	When is temporal lobe epilepsy not temporal lobe epilepsy?. <i>Brain</i> , 2016 , 139, 309-12	11.2	4
211	Update on Cysticercosis Epileptogenesis: the Role of the Hippocampus. <i>Current Neurology and Neuroscience Reports</i> , 2016 , 16, 1	6.6	42
210	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
209	Pathologic electrographic changes after experimental traumatic brain injury. <i>Epilepsia</i> , 2016 , 57, 735-45	6.4	56
208	What can we do for people with drug-resistant epilepsy? The 2016 Wartenberg Lecture. <i>Neurology</i> , 2016 , 87, 2483-2489	6.5	99
207	The progression of electrophysiologic abnormalities during epileptogenesis after experimental traumatic brain injury. <i>Epilepsia</i> , 2016 , 57, 1558-1567	6.4	56
206	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
205	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
204	Molecular alterations in areas generating fast ripples in an animal model of temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2015 , 78, 35-44	7.5	9
203	Functional connectivity homogeneity correlates with duration of temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2015 , 46, 227-33	3.2	23
202	Third International Congress on Epilepsy, Brain and Mind: Part 1. <i>Epilepsy and Behavior</i> , 2015 , 50, 116-37	3.2	8
201	Epilepsy Biomarkers 2015 , 103-109		
200	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
199	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
198	Structural-functional coupling changes in temporal lobe epilepsy. <i>Brain Research</i> , 2015 , 1616, 45-57	3.7	18

197	Who will use epilepsy surgery nomograms, and why?. <i>Lancet Neurology, The</i> , 2015 , 14, 240-1	24.1	4
196	Past and present definitions of epileptogenesis and its biomarkers. <i>Neurotherapeutics</i> , 2014 , 11, 231-41	6.4	150
195	ILAE official report: a practical clinical definition of epilepsy. <i>Epilepsia</i> , 2014 , 55, 475-82	6.4	2408
194	Workshop on Neurobiology of Epilepsy appraisal: new systemic imaging technologies to study the brain in experimental models of epilepsy. <i>Epilepsia</i> , 2014 , 55, 819-28	6.4	12
193	Multimodal diagnosis of epilepsy using conditional dependence and multiple imputation. <i>International Workshop on Pattern Recognition in NeuroImaging</i> , 2014 , 1-4		4
192	Differences in graph theory functional connectivity in left and right temporal lobe epilepsy. <i>Epilepsy Research</i> , 2014 , 108, 1770-81	3	41
191	Diffusion tensor imaging correlates of hippocampal sclerosis and anterior temporal lobe T2 signal changes in pharmacoresistant epilepsy. <i>International Journal of Epilepsy</i> , 2014 , 01, 001-007	0.3	1
190	The challenge and promise of anti-epileptic therapy development in animal models. <i>Lancet Neurology, The</i> , 2014 , 13, 949-60	24.1	75
189	Structural and functional correlates of epileptogenesis - does gender matter?. <i>Neurobiology of Disease</i> , 2014 , 70, 69-73	7.5	17
188	Functional connectivity in the brain estimated by analysis of gamma events. <i>PLoS ONE</i> , 2014 , 9, e85900	3.7	1
187	Hippocampal sclerosis: the missing link of cysticercosis epileptogenesis?. <i>Epilepsia</i> , 2014 , 55, 2077-8	6.4	11
186	Approaches to refractory epilepsy. <i>Annals of Indian Academy of Neurology</i> , 2014 , 17, S12-7	0.9	58
185	Functional connectivity of hippocampal networks in temporal lobe epilepsy. <i>Epilepsia</i> , 2014 , 55, 137-45	6.4	142
184	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
183	Epilepsy biomarkers. <i>Epilepsia</i> , 2013 , 54 Suppl 4, 61-9	6.4	165
182	Functional connectivity between brain areas estimated by analysis of gamma waves. <i>Journal of Neuroscience Methods</i> , 2013 , 214, 184-91	3	5
181	Epilepsy, cognition, and neuropsychiatry (Epilepsy, Brain, and Mind, part 2). <i>Epilepsy and Behavior</i> , 2013 , 28, 283-302	3.2	35
180	Quantitative analysis of structural neuroimaging of mesial temporal lobe epilepsy. <i>Imaging in Medicine</i> , 2013 , 5,	1	9

179	Connectomics and epilepsy. <i>Current Opinion in Neurology</i> , 2013 , 26, 186-94	7.1	172
178	Single-unit activities during epileptic discharges in the human hippocampal formation. <i>Frontiers in Computational Neuroscience</i> , 2013 , 7, 140	3.5	38
177	Surgical treatment for epilepsy 2013 , 2013, 12-14		1
176	Non-linear classification of heart rate parameters as a biomarker for epileptogenesis. <i>Epilepsy Research</i> , 2012 , 100, 59-66	3	6
175	Identification of new epilepsy treatments: issues in preclinical methodology. <i>Epilepsia</i> , 2012 , 53, 571-82	6.4	171
174	Video-EEG Monitoring for Epilepsy 2012 , 143-163		0
173	Effect of lateralized temporal lobe epilepsy on the default mode network. <i>Epilepsy and Behavior</i> , 2012 , 25, 350-7	3.2	86
172	Finding a better drug for epilepsy: preclinical screening strategies and experimental trial design. <i>Epilepsia</i> , 2012 , 53, 1860-7	6.4	61
171	High-frequency oscillations - where we are and where we need to go. <i>Progress in Neurobiology</i> , 2012 , 98, 316-8	10.9	99
170	Who is a surgical candidate?. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2012 , 108, 821-8	3	11
169	Overcoming barriers to successful epilepsy management. <i>Epilepsy Currents</i> , 2012 , 12, 158-60	1.3	7
168	Gray matter loss correlates with mesial temporal lobe neuronal hyperexcitability inside the human seizure-onset zone. <i>Epilepsia</i> , 2012 , 53, 25-34	6.4	13
167	Going beyond hippocampocentricity in the concept of mesial temporal lobe epilepsy. <i>Epilepsia</i> , 2012 , 53, 220-3	6.4	9
166	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
165	Biomarkers in epilepsy: introduction. <i>Biomarkers in Medicine</i> , 2011 , 5, 537-44	2.3	46
164	A systems level, functional genomics analysis of chronic epilepsy. <i>PLoS ONE</i> , 2011 , 6, e20763	3.7	55
163	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
162	The etiologic classification of epilepsy. <i>Epilepsia</i> , 2011 , 52, 1195-7; discussion 1205-9	6.4	15

161	Biomarkers in epilepsy: foreword. <i>Biomarkers in Medicine</i> , 2011 , 5, 529-30	2.3	12
160	Extending applications for high-frequency oscillations: the ripple effect. <i>Neurology</i> , 2011 , 77, 518-9	6.5	5
159	Morpho-physiologic characteristics of dorsal subicular network in mice after pilocarpine-induced status epilepticus. <i>Brain Pathology</i> , 2010 , 20, 80-95	6	11
158	Epileptic Seizures 2010 , 11-15		
157	Referral pattern for epilepsy surgery after evidence-based recommendations: a retrospective study. <i>Neurology</i> , 2010 , 75, 699-704	6.5	190
156	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
155	Diverse perspectives on developments in epilepsy surgery. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2010 , 19, 659-68	3.2	13
154	High-frequency oscillations in epileptic brain. <i>Current Opinion in Neurology</i> , 2010 , 23, 151-6	7.1	131
153	New approaches to structural and functional imaging in focal epilepsy. <i>Epilepsia</i> , 2010 , 51 Suppl 1, 83-6	6.4	3
152	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
151	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
150	Do we belittle epilepsy by calling it a disorder rather than a disease?. <i>Epilepsia</i> , 2010 , 51, 2363-4	6.4	4
149	Epileptic Seizures: Overview 2010 , 373-377		
148	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
147	Three-dimensional hippocampal atrophy maps distinguish two common temporal lobe seizure-onset patterns. <i>Epilepsia</i> , 2009 , 50, 1361-70	6.4	65
146	High-frequency oscillations: what is normal and what is not?. <i>Epilepsia</i> , 2009 , 50, 598-604	6.4	362
145	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
144	The ILAE --where it was, and where it is going: a personal view. <i>Epilepsia</i> , 2009 , 50, 343-5	6.4	0

143	Commentary: hormones, diet, and botanicals. <i>Neurotherapeutics</i> , 2009 , 6, 421-3	6.4	1
142	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
141	Functionalized magnetonanoparticles for MRI diagnosis and localization in epilepsy. <i>Epilepsia</i> , 2008 , 49, 1419-30	6.4	42
140	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
139	Surgical treatment for epilepsy: too little, too late?. <i>JAMA - Journal of the American Medical Association</i> , 2008 , 300, 2548-50	27.4	76
138	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
137	Why Do Some Patients Have Seizures After Brain Surgery While Others Do Not? 2008 , 489-499		
136	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
135	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
134	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
133	Bericht der Klassifikations-Kerngruppe* der Internationalen Liga gegen Epilepsiea. <i>Zeitschrift Fur Epileptologie</i> , 2007 , 20, 15-30	0.1	
132	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
131	What Should Be Modeled? 2006 , 1-14		4
130	Report of the ILAE classification core group. <i>Epilepsia</i> , 2006 , 47, 1558-68	6.4	491
129	ILAE classification of epilepsy syndromes. <i>Epilepsy Research</i> , 2006 , 70 Suppl 1, S5-10	3	135
128	Natural History of Mesial Temporal Lobe Epilepsy with Hippocampal Sclerosis 2005 , 371-384		2
127	Analysis of chronic seizure onsets after intrahippocampal kainic acid injection in freely moving rats. <i>Epilepsia</i> , 2005 , 46, 1592-8	6.4	144
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	Analysis of seizure onset on the basis of wideband EEG recordings. <i>Epilepsia</i> , 2005 , 46 Suppl 5, 59-63	6.4	57
124	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
123	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
122	Long-Term Monitoring for Epilepsy 2005 , 131-150		
121	Prospective, Controlled, Randomized Trials of Epilepsy Surgery Are Necessary. <i>Neurological Disease and Therapy</i> , 2005 , 698-700		
120	The Emergence of Neurosurgical Approaches to the Treatment of Epilepsy 2005 , 81-105		9
119	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
118	High-frequency oscillations after status epilepticus: epileptogenesis and seizure genesis. <i>Epilepsia</i> , 2004 , 45, 1017-23	6.4	280
117	Unilateral hippocampal sclerosis with contralateral temporal scalp ictal onset. <i>Epilepsia</i> , 2004 , 45, 792-802	6.4	76
116	High-frequency oscillations recorded in human medial temporal lobe during sleep. <i>Annals of Neurology</i> , 2004 , 56, 108-15	9.4	231
115	Large-scale microarray gene expression analysis in discrete electrophysiologically identified neuronal clusters. <i>Journal of Neuroscience Methods</i> , 2004 , 133, 49-55	3	2
114	Models of focal epilepsy. <i>Supplements To Clinical Neurophysiology</i> , 2004 , 57, 392-9		7
113	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
112	Spatial stability over time of brain areas generating fast ripples in the epileptic rat. <i>Epilepsia</i> , 2003 , 44, 1233-7	6.4	73
111	Practice parameter: temporal lobe and localized neocortical resections for epilepsy. <i>Epilepsia</i> , 2003 , 44, 741-51	6.4	204
110	A Greater Role for Surgical Treatment of Epilepsy: Why and When?. <i>Epilepsy Currents</i> , 2003 , 3, 37-40	1.3	57
109	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
108	Patient attitudes about treatments for intractable epilepsy. <i>Epilepsy and Behavior</i> , 2003 , 4, 19-25	3.2	79

107 Epilepsy, Surgery **2003**, 247-251

106 Epilepsy, Overview **2003**, 218-223

105 Practical Guide to Epilepsy. *Annals of Internal Medicine*, **2003**, 139, 388

8

104 Quantitative analysis of high-frequency oscillations (80-500 Hz) recorded in human epileptic hippocampus and entorhinal cortex. *Journal of Neurophysiology*, **2002**, 88, 1743-52

3.2 453

103 Sleep states differentiate single neuron activity recorded from human epileptic hippocampus, entorhinal cortex, and subiculum. *Journal of Neuroscience*, **2002**, 22, 5694-704

6.6 72

102 Local generation of fast ripples in epileptic brain. *Journal of Neuroscience*, **2002**, 22, 2012-21

6.6 331

101 Interictal high-frequency oscillations (80-500 Hz) in the human epileptic brain: entorhinal cortex. *Annals of Neurology*, **2002**, 52, 407-15

9.4 247

100 Single neuron burst firing in the human hippocampus during sleep. *Hippocampus*, **2002**, 12, 724-34

3.5 42

99 Increased afterdischarge threshold during kindling in epileptic rats. *Experimental Brain Research*, **2002**, 144, 30-7

2.3 28

98 Regional analyses of CNS microdialysate glucose and lactate in seizure patients. *Epilepsia*, **2002**, 43, 1360-71

25

97 Rate of interictal events and spontaneous seizures in epileptic rats after electrical stimulation of hippocampus and its afferents. *Epilepsia*, **2002**, 43 Suppl 5, 81-5

6.4 41

96 Epileptogenesis after self-sustaining status epilepticus. *Epilepsia*, **2002**, 43 Suppl 5, 74-80

6.4 40

95 Epilepsy in the world today: medical point of view. *Epilepsia*, **2002**, 43 Suppl 6, 12-3

6.4 12

94 So what can we conclude--do seizures damage the brain?. *Progress in Brain Research*, **2002**, 135, 509-12

2.9 12

93 Simultaneous EEG and fMRI of the alpha rhythm. *NeuroReport*, **2002**, 13, 2487-2492

1.7 866

92 Simultaneous EEG and fMRI of the alpha rhythm. *NeuroReport*, **2002**, 13, 2487-92

1.7 378

91 Relative utility of sphenoidal and temporal surface electrodes for localization of ictal onset in temporal lobe epilepsy. *Clinical Neurophysiology*, **2002**, 113, 911-6

4.3 15

90 Early versus late surgery for intractable seizures. *Advances in Experimental Medicine and Biology*, **2002**, 497, 99-105

3.6 2

89	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
88	Classification of epileptic disorders. <i>Epilepsia</i> , 2001 , 42, 316	6.4	30
87	The legacy of Frank Morrell. <i>International Review of Neurobiology</i> , 2001 , 45, 571-90	4.4	
86	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
85	Finally, a randomized, controlled trial of epilepsy surgery. <i>New England Journal of Medicine</i> , 2001 , 345, 365-7	59.2	55
84	Mesial temporal lobe epilepsy: what have we learned?. <i>Neuroscientist</i> , 2001 , 7, 340-52	7.6	342
83	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
82	Acquiring simultaneous EEG and functional MRI. <i>Clinical Neurophysiology</i> , 2000 , 111, 1974-80	4.3	232
81	Personality disorders among medically refractory epileptic patients. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 1999 , 11, 464-9	2.7	28
80	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
79	Electrophysiologic analysis of a chronic seizure model after unilateral hippocampal KA injection. <i>Epilepsia</i> , 1999 , 40, 1210-21	6.4	233
78	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
77	High-frequency oscillations in human brain. <i>Hippocampus</i> , 1999 , 9, 137-42	3.5	507
76	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
75	Classifications of the International League Against Epilepsy: time for reappraisal. <i>Epilepsia</i> , 1998 , 39, 1014-7	6.4	82
74	Research on the human brain in an epilepsy surgery setting. <i>Epilepsy Research</i> , 1998 , 32, 1-11	3	25
73	The Syndrome of Mesial Temporal Lobe Epilepsy. <i>Advances in Behavioral Biology</i> , 1998 , 469-483		5
72	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

71	Surgery for seizures. <i>New England Journal of Medicine</i> , 1996 , 334, 647-52	59.2	673
70	Excitation and inhibition in epilepsy. <i>Canadian Journal of Neurological Sciences</i> , 1996 , 23, 167-74	1	106
69	Interspike intervals during interictal periods in human temporal lobe epilepsy. <i>Brain Research</i> , 1996 , 719, 96-103	3.7	13
68	Decreased neuronal burst discharge near site of seizure onset in epileptic human temporal lobes. <i>Epilepsia</i> , 1996 , 37, 113-21	6.4	36
67	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
66	Introduction to temporal lobe epilepsy. <i>Epilepsy Research</i> , 1996 , 26, 141-50	3	303
65	Hippocampal neuronal loss and regional hypometabolism in temporal lobe epilepsy. <i>Annals of Neurology</i> , 1994 , 36, 925-7	9.4	105
64	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
63	Epilepsy surgery. <i>Current Opinion in Neurology</i> , 1994 , 7, 140-7	7.1	37
62	Long-term monitoring for epilepsy. Report of an IFCN committee. <i>Electroencephalography and Clinical Neurophysiology</i> , 1993 , 87, 437-58		32
61	Intracerebral recordings: organization of the human epileptogenic region. <i>Journal of Clinical Neurophysiology</i> , 1993 , 10, 90-8	2.2	73
60	A health-related quality of life instrument for patients evaluated for epilepsy surgery. <i>Medical Care</i> , 1992 , 30, 299-319	3.1	271
59	Experimental animal models of epilepsy: classification and relevance to human epileptic phenomena. <i>Epilepsy Research Supplement</i> , 1992 , 8, 9-20		17
58	Effects of chronic naloxone pretreatment on amygdaloid kindling in rats. <i>Epilepsy Research</i> , 1991 , 10, 103-10	3	21
57	Clinical aspects of epilepsy. <i>Epilepsy Research</i> , 1991 , 10, 9-17	3	7
56	Role of the frontal lobes in the propagation of mesial temporal lobe seizures. <i>Epilepsia</i> , 1991 , 32, 822-376.4		211
55	PET scanning in partial epilepsy. <i>Canadian Journal of Neurological Sciences</i> , 1991 , 18, 588-92	1	23
54	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

53	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
52	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
51	Quantitative comparison of cell loss and thiopental-induced EEG changes in human epileptic hippocampus. <i>Epilepsia</i> , 1989 , 30, 147-56	6.4	24
50	Prognostic significance of independent auras in temporal lobe seizures. <i>Epilepsia</i> , 1989 , 30, 322-31	6.4	33
49	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
48	The role of neuroimaging in the surgical treatment of epilepsy. <i>Acta Neurologica Scandinavica</i> , 1988 , 117, 84-9	3.8	18
47	Brain Metabolism and Pathophysiology of Human Epilepsy 1988 , 1-15		5
46	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
45	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
44	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
43	The magnetic field of complex partial seizures agrees with intracranial localizations. <i>Annals of Neurology</i> , 1987 , 21, 548-58	9.4	101
42	Mesial temporal spikes: a simultaneous comparison of sphenoidal, nasopharyngeal, and ear electrodes. <i>Epilepsia</i> , 1986 , 27, 81-6	6.4	61
41	Interhemispheric propagation time of human hippocampal seizures. I. Relationship to surgical outcome. <i>Epilepsia</i> , 1986 , 27, 286-93	6.4	117
40	Neurobiology of behavior: anatomic and physiological implications related to epilepsy. <i>Epilepsia</i> , 1986 , 27 Suppl 2, S3-13	6.4	34
39	Sphenoidal electrodes. <i>Journal of Clinical Neurophysiology</i> , 1986 , 3, 67-73	2.2	31
38	Magnetic resonance imaging in intractable partial epilepsy: correlative studies. <i>Annals of Neurology</i> , 1986 , 20, 57-62	9.4	171
37	Prolactin in partial epilepsy: an indicator of limbic seizures. <i>Annals of Neurology</i> , 1986 , 20, 716-22	9.4	90
36	Visual versus computer evaluation of thiopental-induced EEG changes in temporal lobe epilepsy. <i>Electroencephalography and Clinical Neurophysiology</i> , 1986 , 63, 395-407		16

35	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
34	Local cerebral metabolic rate for glucose during petit mal absences. <i>Annals of Neurology</i> , 1985 , 17, 121-8	9.4	111
33	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
32	Positron Emission Tomography (PET): A Threat to EEG?. <i>The American Journal of EEG Technology</i> , 1984 , 24, 25-31		1
31	Resumption of behavior following intracarotid sodium amobarbital injection. <i>Annals of Neurology</i> , 1984 , 15, 31-5	9.4	32
30	Opioid-induced epileptogenic phenomena: anatomical, behavioral, and electroencephalographic features. <i>Annals of Neurology</i> , 1984 , 15, 361-8	9.4	49
29	The use of positron emission tomographic scanning in epilepsy. <i>Annals of Neurology</i> , 1984 , 15 Suppl, S180-91	9.4	69
28	The use and impact of positron computed tomography scanning in epilepsy. <i>Epilepsia</i> , 1984 , 25 Suppl 2, S86-104	6.4	45
27	Temporo-spatial patterns of pre-ictal spike activity in human temporal lobe epilepsy. <i>Electroencephalography and Clinical Neurophysiology</i> , 1983 , 56, 543-55		117
26	Functional localization of epileptogenic lesions. <i>Trends in Neurosciences</i> , 1983 , 6, 60-65	13.3	25
25	Falsely localizing ictal onsets with depth EEG telemetry during anticonvulsant withdrawal. <i>Epilepsia</i> , 1983 , 24, 344-55	6.4	57
24	Changes in intelligence following temporal lobectomy: relationship to EEG activity, seizure relief, and pathology. <i>Epilepsia</i> , 1982 , 23, 1-13	6.4	47
23	Recent developments in the diagnosis and therapy of epilepsy. <i>Annals of Internal Medicine</i> , 1982 , 97, 584-98	8	12
22	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
21	Pathological findings underlying focal temporal lobe hypometabolism in partial epilepsy. <i>Annals of Neurology</i> , 1982 , 12, 518-28	9.4	321
20	Comparative localization of epileptic foci in partial epilepsy by PCT and EEG. <i>Annals of Neurology</i> , 1982 , 12, 529-37	9.4	241
19	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
18	Surface and deep EEG correlates of surgical outcome in temporal lobe epilepsy. <i>Epilepsia</i> , 1981 , 22, 515-38	8.4	107

17	Neuropathological findings following temporal lobectomy related to surface and deep EEG patterns. <i>Epilepsia</i> , 1981 , 22, 539-49	6.4	61
16	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
15	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
14	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
13	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
12	Endogenous opioids may mediate post-ictal behavioral depression in amygdaloid-kindled rats. <i>Brain Research</i> , 1979 , 167, 435-40	3.7	151
11	The cherry-red spot--myoclonus syndrome. <i>Annals of Neurology</i> , 1978 , 3, 234-42	9.4	116
10	Anatomical correlates of electrical and behavioral events related to amygdaloid kindling. <i>Annals of Neurology</i> , 1978 , 3, 538-44	9.4	233
9	Electrophysiological studies in two patients with cherry red spot--myoclonus syndrome. <i>Epilepsia</i> , 1977 , 18, 73-87	6.4	43
8	Facilitation of amygdaloid kindling by lesions of the stria terminalis. <i>Brain Research</i> , 1977 , 122, 137-42	3.7	46
7	Long-lasting depletion of dopamine in the rat amygdala induced by kindling stimulation. <i>Brain Research</i> , 1977 , 136, 381-6	3.7	107
6	Electrophysiological correlates of pathology and surgical results in temporal lobe epilepsy. <i>Brain</i> , 1975 , 98, 129-56	11.2	159
5	Intracellular study of auditory evoked activity in pericruciate cortex of the awake, non-paralyzed cat. <i>Brain Research</i> , 1975 , 85, 69-73	3.7	7
4	Turnover of RNA in normal and secondarily epileptogenic rabbit cortex. <i>Experimental Neurology</i> , 1970 , 26, 221-38	5.7	18
3	Secondary epileptogenesis in rats. <i>Electroencephalography and Clinical Neurophysiology</i> , 1968 , 25, 494-8		21
2	Bioelectrical activity of isolated cortexII. steady potentials and induced surface-negative cortical responses. <i>Neuropsychologia</i> , 1964 , 2, 167-174	3.2	2
1	Overview of surgical treatment for epilepsy709-722		4