

Jerome Engel Jr

List of Publications by Year in descending order

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Version: 2024-02-01

276
papers

37,795
citations

5574

82
h-index

3034

188
g-index

286
all docs

286
docs citations

286
times ranked

20749
citing authors

#	ARTICLE	IF	CITATIONS
1	Refining epileptogenic high-frequency oscillations using deep learning: a reverse engineering approach. <i>Brain Communications</i> , 2022, 4, fcab267.	3.3	14
2	Drug-resistant epilepsy and the hypothesis of intrinsic severity: What about the high-frequency oscillations?. <i>Epilepsia Open</i> , 2022, 7, .	2.4	7
3	International Post Stroke Epilepsy Research Consortium (IPSERC): A consortium to accelerate discoveries in preventing epileptogenesis after stroke. <i>Epilepsy and Behavior</i> , 2022, 127, 108502.	1.7	6
4	Ictal Electroencephalographic Characteristics of Nodding Syndrome: A Comparative Case Series from South Sudan, Tanzania, and Uganda. <i>Annals of Neurology</i> , 2022, 92, 75-80.	5.3	6
5	Graph theoretical measures of fast ripples support the epileptic network hypothesis. <i>Brain Communications</i> , 2022, 4, .	3.3	16
6	Reliability of additional reported seizure manifestations to identify dissociative seizures. <i>Epilepsy and Behavior</i> , 2021, 115, 107696.	1.7	6
7	Topographical reorganization of brain functional connectivity during an early period of epileptogenesis. <i>Epilepsia</i> , 2021, 62, 1231-1243.	5.1	10
8	Factors associated with delay to video-EEG in dissociative seizures. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2021, 86, 155-160.	2.0	14
9	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.	2.0	4
10	Association of hypometabolic extension of 18F-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.	2.0	2
11	Sleep and Epilepsy, <i>Clinical Spectrum and Updated Review</i> . <i>Sleep Medicine Clinics</i> , 2021, 16, 389-408.	2.6	10
12	Spike and wave discharges and fast ripples during posttraumatic epileptogenesis. <i>Epilepsia</i> , 2021, 62, 1842-1851.	5.1	12
13	Safety of focused ultrasound neuromodulation in humans with temporal lobe epilepsy. <i>Brain Stimulation</i> , 2021, 14, 1022-1031.	1.6	41
14	Antiepileptogenesis and disease modification: Clinical and regulatory issues. <i>Epilepsia Open</i> , 2021, 6, 483-492.	2.4	16
15	A minority of patients with functional seizures have abnormalities on neuroimaging. <i>Journal of the Neurological Sciences</i> , 2021, 427, 117548.	0.6	9
16	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.	2.0	4
17	Accuracy of high-frequency oscillations recorded intraoperatively for classification of epileptogenic regions. <i>Scientific Reports</i> , 2021, 11, 21388.	3.3	13
18	Spatial and temporal profile of high-frequency oscillations in posttraumatic epileptogenesis. <i>Neurobiology of Disease</i> , 2021, 161, 105544.	4.4	19

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19	Automatic Electrophysiological Noise Reduction and Epileptic Seizure Detection for Stereoelectroencephalography. , 2021, 2021, 107-112.		2
20	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). Brain Imaging and Behavior, 2021, 15, 2804-2812.	2.1	2
21	Biomarkers for epileptogenesis and its treatment. Neuropharmacology, 2020, 167, 107735.	4.1	70
22	Reduced left amygdala volume in patients with dissociative seizures (psychogenic nonepileptic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.0	14
23	First Randomized Study of Epilepsy Surgery: 20 Years Later What Has Changed?. Epilepsy Currents, 2020, 20, 19S-21S.	0.8	2
24	Objective score from initial interview identifies patients with probable dissociative seizures. Epilepsy and Behavior, 2020, 113, 107525.	1.7	19
25	Neurobiology of Medication-Resistant Epilepsy. , 2020, , 62-68.		0
26	Surgical decision-making among patients with uncontrolled epilepsy: "Making important decisions about my brain, which I happen to love" Chronic Illness, 2020, , 174239532096862.	1.5	1
27	Ripples Have Distinct Spectral Properties and Phase-Amplitude Coupling With Slow Waves, but Indistinct Unit Firing, in Human Epileptogenic Hippocampus. Frontiers in Neurology, 2020, 11, 174.	2.4	24
28	Perceptions of illness severity in adults with drug-resistant temporal lobe epilepsy. Epilepsy and Behavior, 2020, 109, 107091.	1.7	6
29	Early seizures and temporal lobe trauma predict post-traumatic epilepsy: A longitudinal study. Neurobiology of Disease, 2019, 123, 115-121.	4.4	91
30	The epilepsy bioinformatics study for anti-epileptogenic therapy (EpiBioS4Rx) clinical biomarker: Study design and protocol. Neurobiology of Disease, 2019, 123, 110-114.	4.4	32
31	Localizing epileptogenic regions using high-frequency oscillations and machine learning. Biomarkers in Medicine, 2019, 13, 409-418.	1.4	21
32	Reliability of reported peri-ictal behavior to identify psychogenic nonepileptic seizures. Seizure: the Journal of the British Epilepsy Association, 2019, 67, 45-51.	2.0	16
33	Unit firing and oscillations at seizure onset in epileptic rodents. Neurobiology of Disease, 2019, 127, 382-389.	4.4	10
34	The next level of care in epilepsy. Neurology: Clinical Practice, 2019, 9, 284-285.	1.6	6
35	Interneurons and principal cell firing in human limbic areas at focal seizure onset. Neurobiology of Disease, 2019, 124, 183-188.	4.4	33
36	PREFACE: Antiepileptogenesis following traumatic brain injury. Neurobiology of Disease, 2019, 123, 1-2.	4.4	2

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37	Epileptogenesis, traumatic brain injury, and biomarkers. <i>Neurobiology of Disease</i> , 2019, 123, 3-7.	4.4	26
38	Evolution of concepts in epilepsy surgery*. <i>Epileptic Disorders</i> , 2019, 21, 391-409.	1.3	16
39	Extrahippocampal high-frequency oscillations during epileptogenesis. <i>Epilepsia</i> , 2018, 59, e51-e55.	5.1	33
40	Getting the best outcomes from epilepsy surgery. <i>Annals of Neurology</i> , 2018, 83, 676-690.	5.3	166
41	Seizure development in the acute intrahippocampal epileptic focus. <i>Scientific Reports</i> , 2018, 8, 1423.	3.3	12
42	An objective score to identify psychogenic seizures based on age of onset and history. <i>Epilepsy and Behavior</i> , 2018, 80, 75-83.	1.7	34
43	The current place of epilepsy surgery. <i>Current Opinion in Neurology</i> , 2018, 31, 192-197.	3.6	147
44	Commonalities in epileptogenic processes from different acute brain insults: Do they translate?. <i>Epilepsia</i> , 2018, 59, 37-66.	5.1	206
45	A method for the topographical identification and quantification of high frequency oscillations in intracranial electroencephalography recordings. <i>Clinical Neurophysiology</i> , 2018, 129, 308-318.	1.5	33
46	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.	1.5	33
47	Nonictal <scp>EEG</scp> biomarkers for diagnosis and treatment. <i>Epilepsia Open</i> , 2018, 3, 120-126.	2.4	21
48	Low-voltage fast seizures in humans begin with increased interneuron firing. <i>Annals of Neurology</i> , 2018, 84, 588-600.	5.3	81
49	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.	1.5	40
50	Regional cortical thickness changes accompanying generalized tonic-clonic seizures. <i>NeuroImage: Clinical</i> , 2018, 20, 205-215.	2.7	39
51	Diagnostic implications of review-of-systems questionnaires to differentiate epileptic seizures from psychogenic seizures. <i>Epilepsy and Behavior</i> , 2017, 69, 69-74.	1.7	15
52	WONOE appraisal: Development of epilepsy biomarkers—What we can learn from our patients?. <i>Epilepsia</i> , 2017, 58, 951-961.	5.1	13
53	Failed epilepsy surgery deserves a second chance. <i>Clinical Neurology and Neurosurgery</i> , 2017, 163, 110-115.	1.4	21
54	Bimodal coupling of ripples and slower oscillations during sleep in patients with focal epilepsy. <i>Epilepsia</i> , 2017, 58, 1972-1984.	5.1	46

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55	Identifying psychogenic seizures through comorbidities and medication history. <i>Epilepsia</i> , 2017, 58, 1852-1860.	5.1	44
56	High-frequency oscillations: The state of clinical research. <i>Epilepsia</i> , 2017, 58, 1316-1329.	5.1	260
57	How long for epilepsy remission in the <sc>ILAE</sc> definition?. <i>Epilepsia</i> , 2017, 58, 1486-1487.	5.1	4
58	Go with the flow. <i>Epilepsy and Behavior</i> , 2017, 66, 135-137.	1.7	0
59	AR2, a novel automatic muscle artifact reduction software method for ictal EEG interpretation: Validation and comparison of performance with commercially available software. <i>F1000Research</i> , 2017, 6, 30.	1.6	5
60	Use of resting-state fMRI in planning epilepsy surgery. <i>Neurology India</i> , 2017, 65, 25.	0.4	2
61	Pathologic electrographic changes after experimental traumatic brain injury. <i>Epilepsia</i> , 2016, 57, 735-745.	5.1	82
62	What can we do for people with drug-resistant epilepsy?. <i>Neurology</i> , 2016, 87, 2483-2489.	1.1	164
63	The progression of electrophysiologic abnormalities during epileptogenesis after experimental traumatic brain injury. <i>Epilepsia</i> , 2016, 57, 1558-1567.	5.1	73
64	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.	5.1	108
65	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.	2.0	76
66	Ripples on spikes show increased phase-amplitude coupling in mesial temporal lobe epilepsy seizure-onset zones. <i>Epilepsia</i> , 2016, 57, 1916-1930.	5.1	69
67	When is temporal lobe epilepsy not temporal lobe epilepsy?. <i>Brain</i> , 2016, 139, 309-312.	7.6	5
68	Update on Cysticercosis Epileptogenesis: the Role of the Hippocampus. <i>Current Neurology and Neuroscience Reports</i> , 2016, 16, 1.	4.2	74
69	Safety, efficacy, and life satisfaction following epilepsy surgery in patients aged 60 years and older. <i>Journal of Neurosurgery</i> , 2016, 124, 945-951.	1.6	31
70	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.	5.1	114
71	Ictal Depth EEG and MRI Structural Evidence for Two Different Epileptogenic Networks in Mesial Temporal Lobe Epilepsy. <i>PLoS ONE</i> , 2015, 10, e0123588.	2.5	29
72	Functional connectivity during epileptogenesis. , 2015, , .		0

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73	Structuralâ€“functional coupling changes in temporal lobe epilepsy. Brain Research, 2015, 1616, 45-57.	2.2	37
74	Who will use epilepsy surgery nomograms, and why?. Lancet Neurology, The, 2015, 14, 240-241.	10.2	6
75	Multimodal data and machine learning for surgery outcome prediction in complicated cases of mesial temporal lobe epilepsy. Computers in Biology and Medicine, 2015, 64, 67-78.	7.0	77
76	Is it time to replace epileptic spikes with fast ripples?. Neurology, 2015, 85, 114-115.	1.1	37
77	Molecular alterations in areas generating fast ripples in an animal model of temporal lobe epilepsy. Neurobiology of Disease, 2015, 78, 35-44.	4.4	14
78	Functional connectivity homogeneity correlates with duration of temporal lobe epilepsy. Epilepsy and Behavior, 2015, 46, 227-233.	1.7	27
79	Third International Congress on Epilepsy, Brain and Mind: Part 1. Epilepsy and Behavior, 2015, 50, 116-137.	1.7	13
80	Functional Connectivity in the Brain Estimated by Analysis of Gamma Events. PLoS ONE, 2014, 9, e85900.	2.5	3
81	Hippocampal sclerosis: The missing link of cysticercosis epileptogenesis?. Epilepsia, 2014, 55, 2077-2078.	5.1	14
82	Approaches to refractory epilepsy. Annals of Indian Academy of Neurology, 2014, 17, 12.	0.5	89
83	Functional connectivity of hippocampal networks in temporal lobe epilepsy. Epilepsia, 2014, 55, 137-145.	5.1	181
84	Network Analysis of the Default Mode Network Using Functional Connectivity MRI in Temporal Lobe Epilepsy. Journal of Visualized Experiments, 2014, , e51442.	0.3	22
85	Past and Present Definitions of Epileptogenesis and Its Biomarkers. Neurotherapeutics, 2014, 11, 231-241.	4.4	198
86	ILAE Official Report: A practical clinical definition of epilepsy. Epilepsia, 2014, 55, 475-482.	5.1	3,770
87	Workshop on Neurobiology of Epilepsy appraisal: New systemic imaging technologies to study the brain in experimental models of epilepsy. Epilepsia, 2014, 55, 819-828.	5.1	13
88	Multimodal diagnosis of epilepsy using conditional dependence and multiple imputation. , 2014, , 1-4.		6
89	Differences in graph theory functional connectivity in left and right temporal lobe epilepsy. Epilepsy Research, 2014, 108, 1770-1781.	1.6	53
90	Diffusion tensor imaging correlates of hippocampal sclerosis and anterior temporal lobe T2 signal changes in pharmaco-resistant epilepsy. International Journal of Epilepsy, 2014, 01, 001-007.	0.5	1

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91	The challenge and promise of anti-epileptic therapy development in animal models. <i>Lancet Neurology</i> , 2014, 13, 949-960.	10.2	101
92	Structural and functional correlates of epileptogenesis – Does gender matter?. <i>Neurobiology of Disease</i> , 2014, 70, 69-73.	4.4	24
93	Epilepsy biomarkers. <i>Epilepsia</i> , 2013, 54, 61-69.	5.1	215
94	Functional connectivity between brain areas estimated by analysis of gamma waves. <i>Journal of Neuroscience Methods</i> , 2013, 214, 184-191.	2.5	8
95	Epilepsy, cognition, and neuropsychiatry (Epilepsy, Brain, and Mind, part 2). <i>Epilepsy and Behavior</i> , 2013, 28, 283-302.	1.7	55
96	Quantitative analysis of structural neuroimaging of mesial temporal lobe epilepsy. <i>Imaging in Medicine</i> , 2013, 5, 219-235.	0.0	9
97	Connectomics and epilepsy. <i>Current Opinion in Neurology</i> , 2013, 26, 186-194.	3.6	227
98	Progress in the field of epilepsy. <i>Current Opinion in Neurology</i> , 2013, 26, 160-162.	3.6	5
99	Single-unit activities during epileptic discharges in the human hippocampal formation. <i>Frontiers in Computational Neuroscience</i> , 2013, 7, 140.	2.1	53
100	Surgical treatment for epilepsy. <i>Neurologisch</i> , 2013, 2013, 12-14.	0.0	1
101	Early Surgical Therapy for Drug-Resistant Temporal Lobe Epilepsy. <i>JAMA - Journal of the American Medical Association</i> , 2012, 307, 922.	7.4	987
102	Video-EEG Monitoring for Epilepsy. , 2012, , 143-163.		1
103	Effect of lateralized temporal lobe epilepsy on the default mode network. <i>Epilepsy and Behavior</i> , 2012, 25, 350-357.	1.7	107
104	Finding a better drug for epilepsy: Preclinical screening strategies and experimental trial design. <i>Epilepsia</i> , 2012, 53, 1860-1867.	5.1	69
105	High-frequency oscillations – Where we are and where we need to go. <i>Progress in Neurobiology</i> , 2012, 98, 316-318.	5.7	119
106	Who is a surgical candidate?. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2012, 108, 821-828.	1.8	12
107	Overcoming Barriers to Successful Epilepsy Management. <i>Epilepsy Currents</i> , 2012, 12, 158-160.	0.8	8
108	Gray matter loss correlates with mesial temporal lobe neuronal hyperexcitability inside the human seizure-onset zone. <i>Epilepsia</i> , 2012, 53, 25-34.	5.1	16

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109	Going beyond hippocampocentricity in the concept of mesial temporal lobe epilepsy. <i>Epilepsia</i> , 2012, 53, 220-223.	5.1	9
110	Non-linear classification of heart rate parameters as a biomarker for epileptogenesis. <i>Epilepsy Research</i> , 2012, 100, 59-66.	1.6	9
111	Identification of new epilepsy treatments: Issues in preclinical methodology. <i>Epilepsia</i> , 2012, 53, 571-582.	5.1	219
112	Biomarkers in epilepsy: introduction. <i>Biomarkers in Medicine</i> , 2011, 5, 537-544.	1.4	65
113	A Systems Level, Functional Genomics Analysis of Chronic Epilepsy. <i>PLoS ONE</i> , 2011, 6, e20763.	2.5	67
114	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.	5.1	121
115	The etiologic classification of epilepsy. <i>Epilepsia</i> , 2011, 52, 1195-1197.	5.1	17
116	Biomarkers in epilepsy: foreword. <i>Biomarkers in Medicine</i> , 2011, 5, 529-530.	1.4	14
117	Another Good Reason to Consider Surgical Treatment for Epilepsy More Often and Sooner. <i>Archives of Neurology</i> , 2011, 68, 707-8.	4.5	15
118	Extending applications for high-frequency oscillations. <i>Neurology</i> , 2011, 77, 518-519.	1.1	7
119	High-frequency oscillations in epileptic brain. <i>Current Opinion in Neurology</i> , 2010, 23, 151-156.	3.6	162
120	New approaches to structural and functional imaging in focal epilepsy. <i>Epilepsia</i> , 2010, 51, 83-86.	5.1	3
121	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.	5.1	3,612
122	Design considerations for a multicenter randomized controlled trial of early surgery for mesial temporal lobe epilepsy. <i>Epilepsia</i> , 2010, 51, 1978-1986.	5.1	27
123	Do we belittle epilepsy by calling it a disorder rather than a disease?. <i>Epilepsia</i> , 2010, 51, 2363-2364.	5.1	5
124	Morpho-Physiologic Characteristics of Dorsal Subicular Network in Mice after Pilocarpine-Induced Status Epilepticus. <i>Brain Pathology</i> , 2010, 20, 80-95.	4.1	14
125	Epileptic Seizures. , 2010, , 11-15.		0
126	Referral pattern for epilepsy surgery after evidence-based recommendations. <i>Neurology</i> , 2010, 75, 699-704.	1.1	226

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127	Large-Scale Microelectrode Recordings of High-Frequency Gamma Oscillations in Human Cortex during Sleep. <i>Journal of Neuroscience</i> , 2010, 30, 7770-7782.	3.6	166
128	Diverse perspectives on developments in epilepsy surgery. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2010, 19, 659-668.	2.0	16
129	Epileptic Seizures: Overview. , 2010, , 373-377.		0
130	Three-dimensional surface maps link local atrophy and fast ripples in human epileptic hippocampus. <i>Annals of Neurology</i> , 2009, 66, 783-791.	5.3	81
131	Three-dimensional hippocampal atrophy maps distinguish two common temporal lobe seizure onset patterns. <i>Epilepsia</i> , 2009, 50, 1361-1370.	5.1	82
132	High-frequency oscillations: What is normal and what is not?. <i>Epilepsia</i> , 2009, 50, 598-604.	5.1	447
133	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.	5.1	345
134	The ILAE - Where it was, and where it is going: A personal view. <i>Epilepsia</i> , 2009, 50, 343-345.	5.1	1
135	Commentary: Hormones, Diet, and Botanicals. <i>Neurotherapeutics</i> , 2009, 6, 421-423.	4.4	1
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, 3660-3671.	3.6	38
137	Functionalized magnetonanoparticles for MRI diagnosis and localization in epilepsy. <i>Epilepsia</i> , 2008, 49, 1419-1430.	5.1	56
138	Cell Type-Specific Firing during Ripple Oscillations in the Hippocampal Formation of Humans. <i>Journal of Neuroscience</i> , 2008, 28, 6104-6110.	3.6	145
139	Surgical Treatment for Epilepsy. <i>JAMA - Journal of the American Medical Association</i> , 2008, 300, 2548.	7.4	97
140	Progress in epilepsy: reducing the treatment gap and the promise of biomarkers. <i>Current Opinion in Neurology</i> , 2008, 21, 150-154.	3.6	51
141	Why Do Some Patients Have Seizures After Brain Surgery While Others Do Not?. , 2008, , 489-499.		0
142	Reduced Neocortical Thickness and Complexity Mapped in Mesial Temporal Lobe Epilepsy with Hippocampal Sclerosis. <i>Cerebral Cortex</i> , 2007, 17, 2007-2018.	2.9	215
143	Analysis of Initial Slow Waves (ISWs) at the Seizure Onset in Patients with Drug Resistant Temporal Lobe Epilepsy. <i>Epilepsia</i> , 2007, 48, 1883-1894.	5.1	47
144	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.	5.1	128

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145	Voltage Depth Profiles of High-frequency Oscillations after Kainic Acid-induced Status Epilepticus. <i>Epilepsia</i> , 2007, 48, 35-40.	5.1	87
146	What Should Be Modeled?. , 2006, , 1-14.		9
147	Report of the ILAE Classification Core Group. <i>Epilepsia</i> , 2006, 47, 1558-1568.	5.1	585
148	ILAE classification of epilepsy syndromes. <i>Epilepsy Research</i> , 2006, 70, 5-10.	1.6	170
149	Natural History of Mesial Temporal Lobe Epilepsy with Hippocampal Sclerosis. , 2005, , 371-384.		3
150	Analysis of Chronic Seizure Onsets after Intrahippocampal Kainic Acid Injection in Freely Moving Rats. <i>Epilepsia</i> , 2005, 46, 1592-1598.	5.1	201
151	Response: Definitions Proposed by the International League Against Epilepsy (ILAE) and the International Bureau for Epilepsy (IBE). <i>Epilepsia</i> , 2005, 46, 1701-1702.	5.1	80
152	Analysis of Seizure Onset on the Basis of Wideband EEG Recordings. <i>Epilepsia</i> , 2005, 46, 59-63.	5.1	66
153	Reduced Anesthetization during the Intracarotid Amobarbital (Wada) Test in Patients Taking Carbonic Anhydrase-Inhibiting Medications. <i>Epilepsia</i> , 2005, 46, 236-243.	5.1	37
154	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.	5.1	2,809
155	Epilepsy surgery and the racial divide. <i>Neurology</i> , 2005, 64, 8-9.	1.1	12
156	The Emergence of Neurosurgical Approaches to the Treatment of Epilepsy. , 2005, , 81-105.		15
157	Long-Term Monitoring for Epilepsy. , 2005, , 131-150.		3
158	Prospective, Controlled, Randomized Trials of Epilepsy Surgery Are Necessary. <i>Neurological Disease and Therapy</i> , 2005, , 698-700.	0.0	0
159	The Goal of Epilepsy Therapy: No Seizures, No Side Effects, as Soon as Possible. <i>CNS Spectrums</i> , 2004, 9, 95-97.	1.2	26
160	High-frequency Oscillations after Status Epilepticus: Epileptogenesis and Seizure Genesis. <i>Epilepsia</i> , 2004, 45, 1017-1023.	5.1	394
161	Unilateral Hippocampal Sclerosis with Contralateral Temporal Scalp Ictal Onset. <i>Epilepsia</i> , 2004, 45, 792-802.	5.1	96
162	High-frequency oscillations recorded in human medial temporal lobe during sleep. <i>Annals of Neurology</i> , 2004, 56, 108-115.	5.3	294

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163	Large-scale microarray gene expression analysis in discrete electrophysiologically identified neuronal clusters. <i>Journal of Neuroscience Methods</i> , 2004, 133, 49-55.	2.5	2
164	Chapter 40 Models of focal epilepsy. <i>Supplements To Clinical Neurophysiology</i> , 2004, 57, 392-399.	2.1	12
165	Reply to "Of Cabbages and Kings: Some Considerations on Classifications, Diagnostic Schemes, Semiology, and Concepts". <i>Epilepsia</i> , 2003, 44, 4-5.	5.1	19
166	Spatial Stability over Time of Brain Areas Generating Fast Ripples in the Epileptic Rat. <i>Epilepsia</i> , 2003, 44, 1233-1237.	5.1	100
167	Practice Parameter: Temporal Lobe and Localized Neocortical Resections for Epilepsy. <i>Epilepsia</i> , 2003, 44, 741-751.	5.1	272
168	A Greater Role for Surgical Treatment of Epilepsy: Why and When?. <i>Epilepsy Currents</i> , 2003, 3, 37-40.	0.8	68
169	Advances in Understanding the Process of Epileptogenesis Based on Patient Material: What Can the Patient Tell Us?. <i>Epilepsia</i> , 2003, 44, 60-71.	5.1	64
170	Patient attitudes about treatments for intractable epilepsy. <i>Epilepsy and Behavior</i> , 2003, 4, 19-25.	1.7	93
171	Epilepsy, Surgery. , 2003, , 247-251.		0
172	Epilepsy, Overview. , 2003, , 218-223.		0
173	Practical Guide to Epilepsy. <i>Annals of Internal Medicine</i> , 2003, 139, 388.	3.9	0
174	So what can we conclude " do seizures damage the brain?. <i>Progress in Brain Research</i> , 2002, 135, 509-512.	1.4	17
175	Simultaneous EEG and fMRI of the alpha rhythm. <i>NeuroReport</i> , 2002, 13, 2487-2492.	1.2	1,011
176	Simultaneous EEG and fMRI of the alpha rhythm. <i>NeuroReport</i> , 2002, 13, 2487-2492.	1.2	511
177	Relative utility of sphenoidal and temporal surface electrodes for localization of ictal onset in temporal lobe epilepsy. <i>Clinical Neurophysiology</i> , 2002, 113, 911-916.	1.5	20
178	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.	1.8	574
179	Sleep States Differentiate Single Neuron Activity Recorded from Human Epileptic Hippocampus, Entorhinal Cortex, and Subiculum. <i>Journal of Neuroscience</i> , 2002, 22, 5694-5704.	3.6	83
180	Local Generation of Fast Ripples in Epileptic Brain. <i>Journal of Neuroscience</i> , 2002, 22, 2012-2021.	3.6	400

#	ARTICLE	IF	CITATIONS
181	Interictal high-frequency oscillations (80-500Hz) in the human epileptic brain: Entorhinal cortex. <i>Annals of Neurology</i> , 2002, 52, 407-415.	5.3	296
182	Single neuron burst firing in the human hippocampus during sleep. <i>Hippocampus</i> , 2002, 12, 724-734.	1.9	43
183	Increased afterdischarge threshold during kindling in epileptic rats. <i>Experimental Brain Research</i> , 2002, 144, 30-37.	1.5	32
184	Glossary of Descriptive Terminology for Ictal Semiology: Report of the ILAE Task Force on Classification and Terminology. <i>Epilepsia</i> , 2002, 42, 1212-1218.	5.1	685
185	Classification of Epileptic Disorders. <i>Epilepsia</i> , 2002, 42, 316-316.	5.1	41
186	Regional Analyses of CNS Microdialysate Glucose and Lactate in Seizure Patients. <i>Epilepsia</i> , 2002, 43, 1360-1371.	5.1	29
187	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.	5.1	49
188	Epileptogenesis After Self-Sustaining Status Epilepticus. <i>Epilepsia</i> , 2002, 43, 74-80.	5.1	49
189	Epilepsy in the World Today: Medical Point of View. <i>Epilepsia</i> , 2002, 43, 12-13.	5.1	17
190	Early Versus Late Surgery for Intractable Seizures. <i>Advances in Experimental Medicine and Biology</i> , 2002, 497, 99-105.	1.6	2
191	Mesial Temporal Lobe Epilepsy: What Have We Learned?. <i>Neuroscientist</i> , 2001, 7, 340-352.	3.5	438
192	The legacy of Frank Morrell. <i>International Review of Neurobiology</i> , 2001, 45, 571-590.	2.0	0
193	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.	5.1	1,943
194	Finally, a Randomized, Controlled Trial of Epilepsy Surgery. <i>New England Journal of Medicine</i> , 2001, 345, 365-367.	27.0	70
195	In vivo measurements of glutamine+ glutamate (Glx) and N-acetyl aspartate (NAA) levels in human partial epilepsy. <i>Acta Neurologica Scandinavica</i> , 2000, 102, 179-188.	2.1	42
196	Acquiring simultaneous EEG and functional MRI. <i>Clinical Neurophysiology</i> , 2000, 111, 1974-1980.	1.5	261
197	Personality Disorders Among Medically Refractory Epileptic Patients. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 1999, 11, 464-469.	1.8	34
198	Cerebral microdialysis combined with single-neuron and electroencephalographic recording in neurosurgical patients. <i>Journal of Neurosurgery</i> , 1999, 91, 697-705.	1.6	196

#	ARTICLE	IF	CITATIONS
199	Electrophysiologic Analysis of a Chronic Seizure Model After Unilateral Hippocampal KA Injection. <i>Epilepsia</i> , 1999, 40, 1210-1221.	5.1	266
200	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.	5.1	674
201	High-frequency oscillations in human brain. <i>Hippocampus</i> , 1999, 9, 137-142.	1.9	617
202	The Timing of Surgical Intervention for Mesial Temporal Lobe Epilepsy. <i>Archives of Neurology</i> , 1999, 56, 1338.	4.5	79
203	Classifications of the International League Against Epilepsy: Time for Reappraisal. <i>Epilepsia</i> , 1998, 39, 1014-1017.	5.1	100
204	Research on the human brain in an epilepsy surgery setting. <i>Epilepsy Research</i> , 1998, 32, 1-11.	1.6	32
205	The Syndrome of Mesial Temporal Lobe Epilepsy. <i>Advances in Behavioral Biology</i> , 1998, , 469-483.	0.2	13
206	Glutamate Currents in Morphologically Identified Human Dentate Granule Cells in Temporal Lobe Epilepsy. <i>Journal of Neurophysiology</i> , 1997, 77, 3355-3369.	1.8	76
207	Surgery for Seizures. <i>New England Journal of Medicine</i> , 1996, 334, 647-653.	27.0	802
208	Excitation and Inhibition in Epilepsy. <i>Canadian Journal of Neurological Sciences</i> , 1996, 23, 167-174.	0.5	129
209	Interspike intervals during interictal periods in human temporal lobe epilepsy. <i>Brain Research</i> , 1996, 719, 96-103.	2.2	14
210	Decreased Neuronal Burst Discharge Near Site of Seizure Onset in Epileptic Human Temporal Lobes. <i>Epilepsia</i> , 1996, 37, 113-121.	5.1	40
211	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.	1.6	146
212	Introduction to temporal lobe epilepsy. <i>Epilepsy Research</i> , 1996, 26, 141-150.	1.6	365
213	Hippocampal neuronal loss and regional hypometabolism in temporal lobe epilepsy. <i>Annals of Neurology</i> , 1994, 36, 925-927.	5.3	113
214	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.	5.1	133
215	Epilepsy surgery. <i>Current Opinion in Neurology</i> , 1994, 7, 140-147.	3.6	44
216	Long-term monitoring for epilepsy. Report of an IFCN committee. <i>Electroencephalography and Clinical Neurophysiology</i> , 1993, 87, 437-458.	0.3	39

#	ARTICLE	IF	CITATIONS
217	Intracerebral Recordings: Organization of the Human Epileptogenic Region. <i>Journal of Clinical Neurophysiology</i> , 1993, 10, 90-98.	1.7	79
218	A Health-Related Quality of Life Instrument for Patients Evaluated for Epilepsy Surgery. <i>Medical Care</i> , 1992, 30, 299-319.	2.4	304
219	Experimental animal models of epilepsy: classification and relevance to human epileptic phenomena. , 1992, 8, 9-20.		24
220	Role of the Frontal Lobes in the Propagation of Mesial Temporal Lobe Seizures. <i>Epilepsia</i> , 1991, 32, 822-837.	5.1	233
221	PET Scanning in Partial Epilepsy. <i>Canadian Journal of Neurological Sciences</i> , 1991, 18, 588-592.	0.5	25
222	Effects of chronic naloxone pretreatment on amygdaloid kindling in rats. <i>Epilepsy Research</i> , 1991, 10, 103-110.	1.6	23
223	3. Clinical aspects of epilepsy. <i>Epilepsy Research</i> , 1991, 10, 9-17.	1.6	9
224	Stereotactic investigation of limbic epilepsy using a multimodal image analysis system. <i>Journal of Neurosurgery</i> , 1990, 73, 792-797.	1.6	21
225	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
226	Quantifying Interictal Metabolic Activity in Human Temporal Lobe Epilepsy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1990, 10, 748-757.	4.3	169
227	Quantitative Comparison of Cell Loss and Thiopental-Induced EEG Changes in Human Epileptic Hippocampus. <i>Epilepsia</i> , 1989, 30, 147-156.	5.1	27
228	Prognostic Significance of Independent Auras in Temporal Lobe Seizures. <i>Epilepsia</i> , 1989, 30, 322-331.	5.1	36
229	Surgical Treatment of Epilepsy: Opportunities for Research Into Basic Mechanisms of Human Brain Function. <i>Acta Neurochirurgica Supplementum</i> , 1989, 46, 3-8.	1.0	42
230	The role of neuroimaging in the surgical treatment of epilepsy. <i>Acta Neurologica Scandinavica</i> , 1988, 78, 84-89.	2.1	22
231	Brain Metabolism and Pathophysiology of Human Epilepsy. , 1988, , 1-15.		6
232	Limbic postictal events: Anatomical substrates and opioid receptor involvement. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1987, 11, 389-418.	4.8	61
233	Ictal and enduring interictal disturbances in emotional behaviour in an animal model of temporal lobe epilepsy. <i>Brain Research</i> , 1987, 400, 360-364.	2.2	50
234	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.	5.3	135

#	ARTICLE	IF	CITATIONS
235	The magnetic field of complex partial seizures agrees with intracranial localizations. <i>Annals of Neurology</i> , 1987, 21, 548-558.	5.3	178
236	Visual versus computer evaluation of thiopental-induced EEG changes in temporal lobe epilepsy. <i>Electroencephalography and Clinical Neurophysiology</i> , 1986, 63, 395-407.	0.3	20
237	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.	3.8	62
238	Mesial Temporal Spikes: A Simultaneous Comparison of Sphenoidal, Nasopharyngeal, and Ear Electrodes. <i>Epilepsia</i> , 1986, 27, 81-86.	5.1	68
239	Interhemispheric Propagation Time of Human Hippocampal Seizures. <i>Epilepsia</i> , 1986, 27, 286-293.	5.1	127
240	Neurobiology of Behavior: Anatomic and Physiological Implications Related to Epilepsy. <i>Epilepsia</i> , 1986, 27, S3-13.	5.1	38
241	Sphenoidal Electrodes. <i>Journal of Clinical Neurophysiology</i> , 1986, 3, 67-73.	1.7	32
242	Magnetic resonance imaging in intractable partial epilepsy: Correlative studies. <i>Annals of Neurology</i> , 1986, 20, 57-62.	5.3	190
243	Prolactin in partial epilepsy: An indicator of limbic seizures. <i>Annals of Neurology</i> , 1986, 20, 716-722.	5.3	104
244	Local cerebral metabolic rate for glucose during petit mal absences. <i>Annals of Neurology</i> , 1985, 17, 121-128.	5.3	121
245	Electroencephalographic recording from the temporal lobes: A comparison of ear, anterior temporal, and nasopharyngeal electrodes. <i>Annals of Neurology</i> , 1985, 17, 510-513.	5.3	53
246	Positron Emission Tomography (PET): A Threat to EEG?. <i>The American Journal of EEG Technology</i> , 1984, 24, 25-31.	0.3	2
247	Resumption of behavior following intracarotid sodium amobarbital injection. <i>Annals of Neurology</i> , 1984, 15, 31-35.	5.3	35
248	Opioid-induced epileptogenic phenomena: Anatomical, behavioral, and electroencephalographic features. <i>Annals of Neurology</i> , 1984, 15, 361-368.	5.3	54
249	The use of positron emission tomographic scanning in epilepsy. <i>Annals of Neurology</i> , 1984, 15, 180-191.	5.3	77
250	The Use and Impact of Positron Computed Tomography Scanning in Epilepsy. <i>Epilepsia</i> , 1984, 25, S86-104.	5.1	56
251	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
252	Functional localization of epileptogenic lesions. <i>Trends in Neurosciences</i> , 1983, 6, 60-65.	8.6	48

#	ARTICLE	IF	CITATIONS
253	Falsely Localizing Ictal Onsets with Depth EEG Telemetry During Anticonvulsant Withdrawal. <i>Epilepsia</i> , 1983, 24, 344-355.	5.1	63
254	Changes in Intelligence Following Temporal Lobectomy: Relationship to EEG Activity, Seizure Relief, and Pathology. <i>Epilepsia</i> , 1982, 23, 1-13.	5.1	57
255	Recent Developments in the Diagnosis and Therapy of Epilepsy. <i>Annals of Internal Medicine</i> , 1982, 97, 584.	3.9	17
256	Interictal cerebral glucose metabolism in partial epilepsy and its relation to EEG changes. <i>Annals of Neurology</i> , 1982, 12, 510-517.	5.3	318
257	Pathological findings underlying focal temporal lobe hypometabolism in partial epilepsy. <i>Annals of Neurology</i> , 1982, 12, 518-528.	5.3	361
258	Comparative localization of foci in partial epilepsy by PCT and EEG. <i>Annals of Neurology</i> , 1982, 12, 529-537.	5.3	276
259	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, 104-107.	0.3	42
260	Surface and Deep EEG Correlates of Surgical Outcome in Temporal Lobe Epilepsy. <i>Epilepsia</i> , 1981, 22, 515-538.	5.1	115
261	Neuropathological Findings Following Temporal Lobectomy Related to Surface and Deep EEG Patterns. <i>Epilepsia</i> , 1981, 22, 539-549.	5.1	71
262	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.	5.3	289
263	Epileptic patterns of local cerebral metabolism and perfusion in humans determined by emission computed tomography of ¹⁸ F and ¹³ NH ₃ . <i>Annals of Neurology</i> , 1980, 8, 348-360.	5.3	407
264	Interictal EEG spikes correlate with decreased, rather than increased, epileptogenicity in amygdaloid kindled rats. <i>Brain Research</i> , 1980, 190, 543-548.	2.2	126
265	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
266	Endogenous opioids may mediate post-ictal behavioral depression in amygdaloid-kindled rats. <i>Brain Research</i> , 1979, 167, 435-440.	2.2	159
267	The cherry-red spot-myoclonus syndrome. <i>Annals of Neurology</i> , 1978, 3, 234-242.	5.3	123
268	Anatomical correlates of electrical and behavioral events related to amygdaloid kindling. <i>Annals of Neurology</i> , 1978, 3, 538-544.	5.3	247
269	Electrophysiological Studies in Two Patients with Cherry Red Spot-Myoclonus Syndrome. <i>Epilepsia</i> , 1977, 18, 73-87.	5.1	47
270	Facilitation of amygdaloid kindling by lesions of the stria terminalis. <i>Brain Research</i> , 1977, 122, 137-142.	2.2	50

#	ARTICLE	IF	CITATIONS
271	Long-lasting depletion of dopamine in the rat amygdala induced by kindling stimulation. Brain Research, 1977, 136, 381-386.	2.2	116
272	ELECTROPHYSIOLOGICAL CORRELATES OF PATHOLOGY AND SURGICAL RESULTS IN TEMPORAL LOBE EPILEPSY. Brain, 1975, 98, 129-156.	7.6	180
273	Intracellular study of auditory evoked activity in pericruciate cortex of the awake, non-paralyzed cat. Brain Research, 1975, 85, 69-73.	2.2	8
274	Turnover of RNA in normal and secondarily epileptogenic rabbit cortex. Experimental Neurology, 1970, 26, 221-238.	4.1	21
275	Secondary epileptogenesis in rats. Electroencephalography and Clinical Neurophysiology, 1968, 25, 494-498.	0.3	23
276	Bioelectrical activity of isolated cortexâ€™ll. steady potentials and induced surface-negative cortical responses. Neuropsychologia, 1964, 2, 167-174.	1.6	3