

Imad M Najm

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227
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235
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12,641
ext. citations

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L-index

#	Paper	IF	Citations
227	The clinicopathologic spectrum of focal cortical dysplasias: a consensus classification proposed by an ad hoc Task Force of the ILAE Diagnostic Methods Commission. <i>Epilepsia</i> , 2011 , 52, 158-74	6.4	1156
226	Functional connectivity in the human language system: a cortico-cortical evoked potential study. <i>Brain</i> , 2004 , 127, 2316-30	11.2	445
225	Seizure-promoting effect of blood-brain barrier disruption. <i>Epilepsia</i> , 2007 , 48, 732-42	6.4	380
224	Surgical outcome and prognostic factors of frontal lobe epilepsy surgery. <i>Brain</i> , 2007 , 130, 574-84	11.2	320
223	Antagonism of peripheral inflammation reduces the severity of status epilepticus. <i>Neurobiology of Disease</i> , 2009 , 33, 171-81	7.5	224
222	Is SEEG safe? A systematic review and meta-analysis of stereo-electroencephalography-related complications. <i>Epilepsia</i> , 2016 , 57, 386-401	6.4	208
221	Predictors of outcome after temporal lobectomy for the treatment of intractable epilepsy. <i>Neurology</i> , 2006 , 66, 1938-40	6.5	194
220	Technique, Results, and Complications Related to Robot-Assisted Stereoelectroencephalography. <i>Neurosurgery</i> , 2016 , 78, 169-80	3.2	186
219	BDNF mRNA expression in the developing rat brain following kainic acid-induced seizure activity. <i>Neuron</i> , 1992 , 8, 1127-38	13.9	182
218	Stereoelectroencephalography in the "difficult to localize" refractory focal epilepsy: early experience from a North American epilepsy center. <i>Epilepsia</i> , 2013 , 54, 323-30	6.4	175
217	Regionally specific and rapid increases in brain-derived neurotrophic factor messenger RNA in the adult rat brain following seizures induced by systemic administration of kainic acid. <i>Neuroscience</i> , 1992 , 47, 303-15	3.9	161
216	Ripple classification helps to localize the seizure-onset zone in neocortical epilepsy. <i>Epilepsia</i> , 2013 , 54, 370-6	6.4	145
215	Somatic Mutations Activating the mTOR Pathway in Dorsal Telencephalic Progenitors Cause a Continuum of Cortical Dysplasias. <i>Cell Reports</i> , 2017 , 21, 3754-3766	10.6	143
214	Stereotactic placement of depth electrodes in medically intractable epilepsy. <i>Journal of Neurosurgery</i> , 2014 , 120, 639-44	3.2	143
213	Epileptogenicity of focal malformations due to abnormal cortical development: direct electrocorticographic-histopathologic correlations. <i>Epilepsia</i> , 2003 , 44, 69-76	6.4	131
212	Ganglioglioma and intractable epilepsy: clinical and neurophysiologic features and predictors of outcome after surgery. <i>Epilepsia</i> , 1998 , 39, 307-13	6.4	130
211	In vivo and in vitro effects of pilocarpine: relevance to ictogenesis. <i>Epilepsia</i> , 2007 , 48, 1934-46	6.4	130

210	Diagnostic methods and treatment options for focal cortical dysplasia. <i>Epilepsia</i> , 2015 , 56, 1669-86	6.4	126
209	The stereotactic approach for mapping epileptic networks: a prospective study of 200 patients. <i>Journal of Neurosurgery</i> , 2014 , 121, 1239-46	3.2	123
208	Long-term seizure outcome after resective surgery in patients evaluated with intracranial electrodes. <i>Epilepsia</i> , 2012 , 53, 1722-30	6.4	122
207	Electro-clinical and imaging characteristics of focal cortical dysplasia: correlation with pathological subtypes. <i>Epilepsy Research</i> , 2005 , 67, 25-33	3	122
206	Temporal patterns and mechanisms of epilepsy surgery failure. <i>Epilepsia</i> , 2013 , 54, 772-82	6.4	120
205	Development and validation of nomograms to provide individualised predictions of seizure outcomes after epilepsy surgery: a retrospective analysis. <i>Lancet Neurology</i> , 2015 , 14, 283-90	24.1	117
204	Focal cortical dysplasias in eloquent cortex: functional characteristics and correlation with MRI and histopathologic changes. <i>Epilepsia</i> , 2002 , 43, 27-32	6.4	117
203	Postictal alteration of sodium content and apparent diffusion coefficient in epileptic rat brain induced by kainic acid. <i>Epilepsia</i> , 1996 , 37, 1000-6	6.4	117
202	Improved outcomes with earlier surgery for intractable frontal lobe epilepsy. <i>Annals of Neurology</i> , 2013 , 73, 646-54	9.4	111
201	Epileptogenicity correlated with increased N-methyl-D-aspartate receptor subunit NR2A/B in human focal cortical dysplasia. <i>Epilepsia</i> , 2000 , 41, 971-6	6.4	106
200	Review: The international consensus classification of Focal Cortical Dysplasia - a critical update 2018. <i>Neuropathology and Applied Neurobiology</i> , 2018 , 44, 18-31	5.2	99
199	Cycloheximide prevents kainate-induced neuronal death and c-fos expression in adult rat brain. <i>Journal of Molecular Neuroscience</i> , 1993 , 4, 149-59	3.3	99
198	Robot-assisted stereotactic laser ablation in medically intractable epilepsy: operative technique. <i>Operative Neurosurgery</i> , 2014 , 10 Suppl 2, 167-72; discussion 172-3	1.6	94
197	Correlating magnetoencephalography to stereo-electroencephalography in patients undergoing epilepsy surgery. <i>Brain</i> , 2016 , 139, 2935-2947	11.2	87
196	Neuroimaging of focal cortical dysplasia. <i>Journal of Neuroimaging</i> , 2006 , 16, 185-96	2.8	86
195	The pathology of magnetic-resonance-imaging-negative epilepsy. <i>Modern Pathology</i> , 2013 , 26, 1051-8	9.8	83
194	Voxel-based morphometric magnetic resonance imaging (MRI) postprocessing in MRI-negative epilepsies. <i>Annals of Neurology</i> , 2015 , 77, 1060-75	9.4	83
193	Parieto-frontal network in humans studied by cortico-cortical evoked potential. <i>Human Brain Mapping</i> , 2012 , 33, 2856-72	5.9	82

192	Seizure outcome and its predictors after temporal lobe epilepsy surgery in patients with normal MRI. <i>Epilepsia</i> , 2011 , 52, 1393-401	6.4	78
191	Evaluating the contributions of state-of-the-art assessment techniques to predicting memory outcome after unilateral anterior temporal lobectomy. <i>Epilepsia</i> , 2006 , 47, 1895-903	6.4	76
190	A fingerprint of the epileptogenic zone in human epilepsies. <i>Brain</i> , 2018 , 141, 117-131	11.2	74
189	MRS metabolic markers of seizures and seizure-induced neuronal damage. <i>Epilepsia</i> , 1998 , 39, 244-50	6.4	72
188	Stereoelectroencephalography in children and adolescents with difficult-to-localize refractory focal epilepsy. <i>Neurosurgery</i> , 2014 , 75, 258-68; discussion 267-8	3.2	70
187	Failure of gamma knife radiosurgery for mesial temporal lobe epilepsy: report of five cases. <i>Neurosurgery</i> , 2004 , 54, 1395-402; discussion 1402-4	3.2	70
186	Temporal lobe epilepsy surgery failures: predictors of seizure recurrence, yield of reevaluation, and outcome following reoperation. <i>Journal of Neurosurgery</i> , 2010 , 113, 1186-94	3.2	68
185	The NMDA receptor NR2B subunit contributes to epileptogenesis in human cortical dysplasia. <i>Brain Research</i> , 2005 , 1046, 10-23	3.7	68
184	NMDA-receptors 1 and 2A/B coassembly increased in human epileptic focal cortical dysplasia. <i>Epilepsia</i> , 1999 , 40, 1683-7	6.4	67
183	A longitudinal study of surgical outcome and its determinants following posterior cortex epilepsy surgery. <i>Epilepsia</i> , 2009 , 50, 2040-52	6.4	66
182	Increased numbers of coassembled PSD-95 to NMDA-receptor subunits NR2B and NR1 in human epileptic cortical dysplasia. <i>Epilepsia</i> , 2004 , 45, 314-21	6.4	63
181	Electroencephalographic characterization of an adult rat model of radiation-induced cortical dysplasia. <i>Epilepsia</i> , 2001 , 42, 1221-7	6.4	62
180	Stereoelectroencephalography following subdural grid placement for difficult to localize epilepsy. <i>Neurosurgery</i> , 2013 , 72, 723-9; discussion 729	3.2	61
179	Interictal epileptiform discharges in temporal lobe epilepsy due to hippocampal sclerosis versus medial temporal lobe tumors. <i>Epilepsia</i> , 1999 , 40, 1261-8	6.4	60
178	Automated detection of focal cortical dysplasia type II with surface-based magnetic resonance imaging postprocessing and machine learning. <i>Epilepsia</i> , 2018 , 59, 982-992	6.4	59
177	Resective Epilepsy Surgery for Tuberous Sclerosis in Children: Determining Predictors of Seizure Outcomes in a Multicenter Retrospective Cohort Study. <i>Neurosurgery</i> , 2015 , 77, 517-24; discussion 524	3.2	59
176	Pathophysiological mechanisms of focal cortical dysplasia: a critical review of human tissue studies and animal models. <i>Epilepsia</i> , 2007 , 48 Suppl 2, 21-32	6.4	59
175	Periictal diffusion-weighted imaging in a case of lesional epilepsy. <i>Epilepsia</i> , 1999 , 40, 1667-71	6.4	59

174	Absence of c-fos induction in neonatal rat brain after seizures. <i>Neuroscience Letters</i> , 1992 , 136, 31-5	3.3	59
173	Connections of the limbic network: a corticocortical evoked potentials study. <i>Cortex</i> , 2015 , 62, 20-33	3.8	57
172	Temporal changes in proton MRS metabolites after kainic acid-induced seizures in rat brain. <i>Epilepsia</i> , 1997 , 38, 87-94	6.4	57
171	Postictal diffusion-weighted imaging for the localization of focal epileptic areas in temporal lobe epilepsy. <i>Epilepsia</i> , 2001 , 42, 21-8	6.4	56
170	Expression of neural stem cell surface marker CD133 in balloon cells of human focal cortical dysplasia. <i>Epilepsia</i> , 2005 , 46, 1716-23	6.4	55
169	Linking MRI postprocessing with magnetic source imaging in MRI-negative epilepsy. <i>Annals of Neurology</i> , 2014 , 75, 759-70	9.4	52
168	Severity of histopathologic abnormalities and in vivo epileptogenicity in the in utero radiation model of rats is dose dependent. <i>Epilepsia</i> , 2004 , 45, 583-91	6.4	51
167	A short episode of seizure activity protects from status epilepticus-induced neuronal damage in rat brain. <i>Brain Research</i> , 1998 , 810, 72-5	3.7	50
166	Magnetic source imaging and ictal SPECT in MRI-negative neocortical epilepsies: additional value and comparison with intracranial EEG. <i>Epilepsia</i> , 2013 , 54, 359-69	6.4	46
165	Neocortical temporal FDG-PET hypometabolism correlates with temporal lobe atrophy in hippocampal sclerosis associated with microscopic cortical dysplasia. <i>Epilepsia</i> , 2003 , 44, 559-64	6.4	46
164	Coexistent pathology in chronic epilepsy patients with neoplasms. <i>Modern Pathology</i> , 2010 , 23, 1097-103	3.8	45
163	Altered glutamate receptor - transporter expression and spontaneous seizures in rats exposed to methylazoxymethanol in utero. <i>Epilepsia</i> , 2007 , 48, 158-68	6.4	45
162	Risk analysis of hemorrhage in stereo-electroencephalography procedures. <i>Epilepsia</i> , 2019 , 60, 571-580	6.4	45
161	Seizure outcomes following multilobar epilepsy surgery. <i>Epilepsia</i> , 2012 , 53, 44-50	6.4	44
160	Surgical outcome following resection of rolandic focal cortical dysplasia. <i>Epilepsy Research</i> , 2010 , 90, 240-7	3	44
159	ApoE-epsilon4 is associated with reduced memory in long-standing intractable temporal lobe epilepsy. <i>Neurology</i> , 2007 , 68, 409-14	6.5	44
158	Occipital epilepsy: spatial categorization and surgical management. <i>Journal of Neurosurgery</i> , 2009 , 110, 306-18	3.2	42
157	Quality of life in 1931 adult patients with epilepsy: seizures do not tell the whole story. <i>Epilepsy and Behavior</i> , 2011 , 22, 723-7	3.2	41

156	Localising and lateralising value of ictal piloerection. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2004 , 75, 879-83	5.5	41
155	Magnetic source imaging in non-lesional neocortical epilepsy: additional value and comparison with ICEEG. <i>Epilepsy and Behavior</i> , 2012 , 24, 234-40	3.2	40
154	The use of subdural grids in the management of focal malformations due to abnormal cortical development. <i>Neurosurgery Clinics of North America</i> , 2002 , 13, 87-92, viii-ix	4	40
153	When is a postoperative seizure equivalent to "epilepsy recurrence" after epilepsy surgery?. <i>Epilepsia</i> , 2010 , 51, 994-1003	6.4	39
152	Development of high-resolution 3D MR fingerprinting for detection and characterization of epileptic lesions. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 49, 1333-1346	5.6	39
151	Polygenic burden in focal and generalized epilepsies. <i>Brain</i> , 2019 , 142, 3473-3481	11.2	38
150	Specific epileptic syndromes are rare even in tertiary epilepsy centers: a patient-oriented approach to epilepsy classification. <i>Epilepsia</i> , 2004 , 45, 268-75	6.4	38
149	Epilepsies associated with focal cortical dysplasias (FCDs). <i>Acta Neuropathologica</i> , 2014 , 128, 5-19	14.3	37
148	Parietal lobe epilepsy: the great imitator among focal epilepsies. <i>Epileptic Disorders</i> , 2012 , 14, 22-31	1.9	37
147	Hippocampal volumetry in children 6 years or younger: assessment of children with and without complex febrile seizures. <i>Epilepsy Research</i> , 1999 , 33, 1-9	3	37
146	Posterior cingulate epilepsy: clinical and neurophysiological analysis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014 , 85, 44-50	5.5	36
145	Overexpression of pregnane X and glucocorticoid receptors and the regulation of cytochrome P450 in human epileptic brain endothelial cells. <i>Epilepsia</i> , 2017 , 58, 576-585	6.4	34
144	Nomograms to predict naming decline after temporal lobe surgery in adults with epilepsy. <i>Neurology</i> , 2018 , 91, e2144-e2152	6.5	34
143	Seizure freedom score: a new simple method to predict success of epilepsy surgery. <i>Epilepsia</i> , 2015 , 56, 359-65	6.4	33
142	Seizure outcome after temporal lobectomy in temporal lobe cortical dysplasia. <i>Epilepsia</i> , 2003 , 44, 1420-4	6.4	33
141	A proposal for a five-dimensional patient-oriented epilepsy classification. <i>Epileptic Disorders</i> , 2005 , 7, 308-16	1.9	33
140	Estimating risk of word-finding problems in adults undergoing epilepsy surgery. <i>Neurology</i> , 2016 , 87, 2363-2369	6.5	32
139	Value of 7T MRI and post-processing in patients with nonlesional 3T MRI undergoing epilepsy presurgical evaluation. <i>Epilepsia</i> , 2020 , 61, 2509-2520	6.4	31

138	Indications and selection criteria for invasive monitoring in children with cortical dysplasia. <i>Childs Nervous System</i> , 2014 , 30, 1823-9	1.7	30
137	Neural tropomodulin: developmental expression and effect of seizure activity. <i>Developmental Brain Research</i> , 1994 , 80, 45-53		30
136	Subunit composition of glutamate and gamma-aminobutyric acid receptors in status epilepticus. <i>Epilepsy Research</i> , 2014 , 108, 605-15	3	29
135	Deep brain stimulation for epilepsy. <i>Neuromodulation</i> , 2009 , 12, 270-80	3.1	29
134	Seizure activity causes a rapid increase in sulfated glycoprotein-2 messenger RNA in the adult but not the neonatal rat brain. <i>Neuroscience Letters</i> , 1993 , 153, 17-20	3.3	29
133	Sudden unexpected death in epilepsy: impact, mechanisms, and prevention. <i>Cleveland Clinic Journal of Medicine</i> , 2008 , 75 Suppl 2, S66-70	2.8	29
132	Is Mossy Fiber Sprouting a Potential Therapeutic Target for Epilepsy?. <i>Frontiers in Neurology</i> , 2018 , 9, 1023	4.1	29
131	Surgical outcomes in patients with extratemporal epilepsy and subtle or normal magnetic resonance imaging findings. <i>Neurosurgery</i> , 2013 , 73, 68-76; discussion 76-7	3.2	28
130	Cortical stimulation for language mapping in focal epilepsy: correlations with tractography of the arcuate fasciculus. <i>Epilepsia</i> , 2010 , 51, 639-46	6.4	28
129	Kainate-induced seizure activity stimulates the polyamine interconversion pathway in rat brain. <i>Neuroscience Letters</i> , 1994 , 171, 151-4	3.3	28
128	Combining stereo-electroencephalography and subdural electrodes in the diagnosis and treatment of medically intractable epilepsy. <i>Journal of Clinical Neuroscience</i> , 2014 , 21, 1441-5	2.2	27
127	Neurogenesis in the postnatal human epileptic brain. <i>Journal of Neurosurgery</i> , 2007 , 107, 628-35	3.2	27
126	Pre- and postnatal expressions of NMDA receptors 1 and 2B subunit proteins in the normal rat cortex. <i>Epilepsy Research</i> , 2005 , 64, 23-30	3	27
125	Changes in polyamine levels and spectrin degradation following kainate-induced seizure activity: effect of difluoromethylornithine. <i>Experimental Neurology</i> , 1992 , 116, 345-54	5.7	27
124	Seizure semiology and aging. <i>Epilepsy and Behavior</i> , 2011 , 20, 375-7	3.2	26
123	Interictal ripples nested in epileptiform discharge help to identify the epileptogenic zone in neocortical epilepsy. <i>Clinical Neurophysiology</i> , 2017 , 128, 945-951	4.3	25
122	Connectivity of the frontal and anterior insular network: a cortico-cortical evoked potential study. <i>Journal of Neurosurgery</i> , 2016 , 125, 90-101	3.2	25
121	Voxel-based morphometric MRI post-processing in MRI-negative focal cortical dysplasia followed by simultaneously recorded MEG and stereo-EEG. <i>Epilepsy Research</i> , 2012 , 100, 188-93	3	25

120	Systemic overexpression of the alpha 1B-adrenergic receptor in mice: an animal model of epilepsy. <i>Epilepsia</i> , 2002 , 43, 1324-9	6.4	25
119	Levetiracetam may favorably affect seizure outcome after temporal lobectomy. <i>Epilepsia</i> , 2012 , 53, 979-86	6.4	24
118	Application of MRI Post-processing in Presurgical Evaluation of Non-lesional Cingulate Epilepsy. <i>Frontiers in Neurology</i> , 2018 , 9, 1013	4.1	24
117	Cortico-cortical evoked potentials for sites of early versus late seizure spread in stereoelectroencephalography. <i>Epilepsy Research</i> , 2015 , 115, 17-29	3	23
116	Single injection of a low dose of pentylenetetrazole leads to epileptogenesis in an animal model of cortical dysplasia. <i>Epilepsia</i> , 2009 , 50, 801-10	6.4	23
115	Pre-surgical mood predicts memory decline after anterior temporal lobe resection for epilepsy. <i>Archives of Clinical Neuropsychology</i> , 2011 , 26, 739-45	2.7	23
114	Seizure activity-induced changes in polyamine metabolism and neuronal pathology during the postnatal period in rat brain. <i>Developmental Brain Research</i> , 1992 , 69, 11-21		23
113	Dissociation between in vitro and in vivo epileptogenicity in a rat model of cortical dysplasia. <i>Epileptic Disorders</i> , 2007 , 9, 11-9	1.9	23
112	Insulo-opercular cortex generates oroalimentary automatisms in temporal seizures. <i>Epilepsia</i> , 2018 , 59, 583-594	6.4	22
111	Reducing versus stopping antiepileptic medications after temporal lobe surgery. <i>Annals of Clinical and Translational Neurology</i> , 2014 , 1, 115-23	5.3	22
110	Gene expression profile of neurodegeneration induced by alpha1B-adrenergic receptor overactivity: NMDA/GABAA dysregulation and apoptosis. <i>Brain</i> , 2003 , 126, 2667-81	11.2	22
109	Nerve rootlets to be sectioned for spasticity resolution in selective dorsal rhizotomy. <i>World Neurosurgery</i> , 2000 , 54, 126-32; discussion 133		22
108	Neuroimaging characteristics of MRI-negative orbitofrontal epilepsy with focus on voxel-based morphometric MRI postprocessing. <i>Epilepsia</i> , 2013 , 54, 2195-2203	6.4	21
107	Imag(in)ing seizure propagation: MEG-guided interpretation of epileptic activity from a deep source. <i>Human Brain Mapping</i> , 2012 , 33, 2797-801	5.9	21
106	Somatosensory evoked high-frequency oscillations recorded directly from the human cerebral cortex. <i>Clinical Neurophysiology</i> , 2000 , 111, 1916-26	4.3	21
105	Localization yield and seizure outcome in patients undergoing bilateral SEEG exploration. <i>Epilepsia</i> , 2019 , 60, 107-120	6.4	21
104	Epileptic focus localization based on resting state interictal MEG recordings is feasible irrespective of the presence or absence of spikes. <i>Clinical Neurophysiology</i> , 2015 , 126, 667-74	4.3	20
103	Time to push the age limit: Epilepsy surgery in patients 60 years or older. <i>Epilepsia Open</i> , 2018 , 3, 73-80	4	20

102	Mesial temporal sclerosis. A clinicopathologic study of 27 patients, including 5 with coexistent cortical dysplasia. <i>Archives of Pathology and Laboratory Medicine</i> , 1996 , 120, 532-6	5	20
101	The gamma band effect for episodic memory encoding is absent in epileptogenic hippocampi. <i>Clinical Neurophysiology</i> , 2015 , 126, 866-72	4.3	19
100	Executive functioning and depressed mood before and after unilateral frontal lobe resection for intractable epilepsy. <i>Neuropsychologia</i> , 2013 , 51, 1370-6	3.2	19
99	Seizure worsening and its predictors after epilepsy surgery. <i>Epilepsia</i> , 2012 , 53, 1731-8	6.4	19
98	Mechanisms of epileptogenesis. <i>Neurologic Clinics</i> , 2001 , 19, 237-50	4.5	19
97	(Re)Defining success in epilepsy surgery: The importance of relative seizure reduction in patient-reported quality of life. <i>Epilepsia</i> , 2019 , 60, 2078-2085	6.4	18
96	Re-review of MRI with post-processing in nonlesional patients in whom epilepsy surgery has failed. <i>Journal of Neurology</i> , 2016 , 263, 1736-45	5.5	18
95	Functional magnetic resonance imaging networks induced by intracranial stimulation may help defining the epileptogenic zone. <i>Brain Connectivity</i> , 2014 , 4, 286-98	2.7	18
94	Relationship between presurgical memory performance on the Wechsler Memory Scale-III and memory change following temporal resection for treatment of intractable epilepsy. <i>Epilepsy and Behavior</i> , 2008 , 13, 372-5	3.2	18
93	Increased caffeine intake leads to worsening of electrocorticographic epileptiform discharges as recorded with a responsive neurostimulation device. <i>Clinical Neurophysiology</i> , 2016 , 127, 2341-2	4.3	18
92	Predicting seizure freedom after epilepsy surgery, a challenge in clinical practice. <i>Epilepsy and Behavior</i> , 2019 , 95, 124-130	3.2	17
91	Long-term outcomes of reoperations in epilepsy surgery. <i>Epilepsia</i> , 2020 , 61, 465-478	6.4	17
90	Performing behavioral tasks in subjects with intracranial electrodes. <i>Journal of Visualized Experiments</i> , 2014 , e51947	1.6	17
89	Glutamate clearance mechanisms in resected cortical dysplasia. <i>Journal of Neurosurgery</i> , 2011 , 114, 1195-202	3.2	17
88	Connectivity in ictal single photon emission computed tomography perfusion: a cortico-cortical evoked potential study. <i>Brain</i> , 2017 , 140, 1872-1884	11.2	16
87	Growth Associated Protein 43 (GAP-43) as a Novel Target for the Diagnosis, Treatment and Prevention of Epileptogenesis. <i>Scientific Reports</i> , 2017 , 7, 17702	4.9	16
86	Focal cortical dysplasia in children. <i>Developmental Neuroscience</i> , 1999 , 21, 271-80	2.2	16
85	Genetics of cognition in epilepsy. <i>Epilepsy and Behavior</i> , 2014 , 41, 297-306	3.2	15

84	Predictors of decline in verbal fluency after frontal lobe epilepsy surgery. <i>Epilepsy and Behavior</i> , 2013 , 27, 326-9	3.2	15
83	Neuronal nitric oxide synthase expression in resected epileptic dysplastic neocortex. <i>Journal of Neurosurgery</i> , 2009 , 110, 343-9	3.2	15
82	Reply to Of Cabbages and Kings: Some Considerations on Classifications, Diagnostic Schemes, Semiology, and Concepts. <i>Epilepsia</i> , 2003 , 44, 6-7	6.4	15
81	Working memory and intelligence are associated with victoria symptom validity test hard item performance in patients with intractable epilepsy. <i>Journal of the International Neuropsychological Society</i> , 2013 , 19, 314-23	3.1	14
80	Magnetic resonance spectroscopy in animal models of epilepsy. <i>Epilepsia</i> , 2007 , 48 Suppl 4, 47-55	6.4	14
79	MR imaging in epilepsy. <i>Neurologic Clinics</i> , 2001 , 19, 477-89	4.5	14
78	Memory performance in older adults before and after temporal lobectomy for pharmacoresistant epilepsy. <i>Clinical Neuropsychologist</i> , 2013 , 27, 1316-27	4.4	13
77	Effect of treatment with difluoromethylornithine on polyamine and spectrin breakdown levels in neonatal rat brain. <i>Developmental Brain Research</i> , 1991 , 63, 287-9		13
76	Focal clonus elicited by electrical stimulation of the motor cortex in humans. <i>Epilepsy Research</i> , 2002 , 51, 155-66	3	12
75	Complex interactions between polyamines and calpain-mediated proteolysis in rat brain. <i>Journal of Neurochemistry</i> , 1991 , 57, 1151-8	6	12
74	Toward a better definition of focal cortical dysplasia: An iterative histopathological and genetic agreement trial. <i>Epilepsia</i> , 2021 , 62, 1416-1428	6.4	12
73	Effect of invasive EEG monitoring on cognitive outcome after left temporal lobe epilepsy surgery. <i>Neurology</i> , 2015 , 85, 1475-81	6.5	11
72	Stereoencephalography-Guided Laser Ablations in Patients With Neocortical Pharmacoresistant Focal Epilepsy: Concept and Operative Technique. <i>Operative Neurosurgery</i> , 2018 , 15, 656-663	1.6	11
71	Quantitative positron emission tomography-guided magnetic resonance imaging postprocessing in magnetic resonance imaging-negative epilepsies. <i>Epilepsia</i> , 2018 , 59, 1583-1594	6.4	11
70	Hemispherectomy in adults and adolescents: Seizure and functional outcomes in 47 patients. <i>Epilepsia</i> , 2019 , 60, 2416-2427	6.4	11
69	APOE epsilon4 is associated with postictal confusion in patients with medically refractory temporal lobe epilepsy. <i>Epilepsy Research</i> , 2008 , 81, 220-4	3	11
68	Postictal in situ MRS brain lactate in the rat kindling model. <i>Neurology</i> , 1999 , 53, 2045-52	6.5	11
67	Neuropsychological outcome following frontal lobectomy for pharmacoresistant epilepsy in adults. <i>Neurology</i> , 2017 , 88, 692-700	6.5	10

66	Neurovascular Drug Biotransformation Machinery in Focal Human Epilepsies: Brain CYP3A4 Correlates with Seizure Frequency and Antiepileptic Drug Therapy. <i>Molecular Neurobiology</i> , 2019 , 56, 8392-8407	6.2	10
65	Tailored unilobar and multilobar resections for orbitofrontal-plus epilepsy. <i>Neurosurgery</i> , 2014 , 75, 388-97; discussion 397	3.2	10
64	The Family Pictures subtest of the WMS-III: relationship to verbal and visual memory following temporal lobectomy for intractable epilepsy. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2009 , 31, 498-504	2.1	10
63	Mechanisms of epileptogenicity in focal malformations caused by abnormal cortical development. <i>Neurosurgery Clinics of North America</i> , 2002 , 13, 27-33, vii	4	10
62	Modulation of glucocorticoid receptor in human epileptic endothelial cells impacts drug biotransformation in an in vitro blood-brain barrier model. <i>Epilepsia</i> , 2018 , 59, 2049-2060	6.4	10
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