

# Annamaria Vezzani

## List of Publications by Citations

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255  
papers

24,044  
citations

81  
h-index

151  
g-index

267  
ext. papers

27,417  
ext. citations

6.4  
avg, IF

7.11  
L-index

#	Paper	IF	Citations
255	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> , <b>2011</b> , 52, 158-74	6.4	1156
254	The role of inflammation in epilepsy. <i>Nature Reviews Neurology</i> , <b>2011</b> , 7, 31-40	15	1114
253	Brain inflammation in epilepsy: experimental and clinical evidence. <i>Epilepsia</i> , <b>2005</b> , 46, 1724-43	6.4	791
252	Interleukin-1beta enhances NMDA receptor-mediated intracellular calcium increase through activation of the Src family of kinases. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 8692-700	6.6	679
251	Toll-like receptor 4 and high-mobility group box-1 are involved in ictogenesis and can be targeted to reduce seizures. <i>Nature Medicine</i> , <b>2010</b> , 16, 413-9	50.5	638
250	Innate and adaptive immunity during epileptogenesis and spontaneous seizures: evidence from experimental models and human temporal lobe epilepsy. <i>Neurobiology of Disease</i> , <b>2008</b> , 29, 142-60	7.5	521
249	Sox2 deficiency causes neurodegeneration and impaired neurogenesis in the adult mouse brain. <i>Development (Cambridge)</i> , <b>2004</b> , 131, 3805-19	6.6	501
248	Interleukin-1beta immunoreactivity and microglia are enhanced in the rat hippocampus by focal kainate application: functional evidence for enhancement of electrographic seizures. <i>Journal of Neuroscience</i> , <b>1999</b> , 19, 5054-65	6.6	484
247	Glia and epilepsy: excitability and inflammation. <i>Trends in Neurosciences</i> , <b>2013</b> , 36, 174-84	13.3	461
246	Neuropeptide Y: emerging evidence for a functional role in seizure modulation. <i>Trends in Neurosciences</i> , <b>1999</b> , 22, 25-30	13.3	411
245	The role of cytokines in the pathophysiology of epilepsy. <i>Brain, Behavior, and Immunity</i> , <b>2008</b> , 22, 797-803	6.6	399
244	Inflammatory cytokines and related genes are induced in the rat hippocampus by limbic status epilepticus. <i>European Journal of Neuroscience</i> , <b>2000</b> , 12, 2623-33	3.5	378
243	Powerful anticonvulsant action of IL-1 receptor antagonist on intracerebral injection and astrocytic overexpression in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 11534-9	11.5	368
242	Epilepsy and brain inflammation. <i>Experimental Neurology</i> , <b>2013</b> , 244, 11-21	5.7	366
241	Neuromodulatory properties of inflammatory cytokines and their impact on neuronal excitability. <i>Neuropharmacology</i> , <b>2015</b> , 96, 70-82	5.5	354
240	Kynurenic acid blocks neurotoxicity and seizures induced in rats by the related brain metabolite quinolinic acid. <i>Neuroscience Letters</i> , <b>1984</b> , 48, 273-8	3.3	341
239	The role of inflammation in epileptogenesis. <i>Neuropharmacology</i> , <b>2013</b> , 69, 16-24	5.5	320

238	Interleukin-1beta contributes to the generation of experimental febrile seizures. <i>Annals of Neurology</i> , <b>2005</b> , 57, 152-5	9.4	315
237	Functional role of inflammatory cytokines and antiinflammatory molecules in seizures and epileptogenesis. <i>Epilepsia</i> , <b>2002</b> , 43 Suppl 5, 30-5	6.4	300
236	IL-1 receptor/Toll-like receptor signaling in infection, inflammation, stress and neurodegeneration couples hyperexcitability and seizures. <i>Brain, Behavior, and Immunity</i> , <b>2011</b> , 25, 1281-9	16.6	273
235	Epilepsy. <i>Nature Reviews Disease Primers</i> , <b>2018</b> , 4, 18024	51.1	269
234	Infections, inflammation and epilepsy. <i>Acta Neuropathologica</i> , <b>2016</b> , 131, 211-234	14.3	235
233	Neuroinflammatory pathways as treatment targets and biomarkers in epilepsy. <i>Nature Reviews Neurology</i> , <b>2019</b> , 15, 459-472	15	225
232	Interleukin-1β biosynthesis inhibition reduces acute seizures and drug resistant chronic epileptic activity in mice. <i>Neurotherapeutics</i> , <b>2011</b> , 8, 304-15	6.4	218
231	The IL-1beta system in epilepsy-associated malformations of cortical development. <i>Neurobiology of Disease</i> , <b>2006</b> , 24, 128-43	7.5	218
230	Limbic seizures induce P-glycoprotein in rodent brain: functional implications for pharmacoresistance. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 5833-9	6.6	218
229	A novel non-transcriptional pathway mediates the proconvulsive effects of interleukin-1beta. <i>Brain</i> , <b>2008</b> , 131, 3256-65	11.2	209
228	Anticonvulsant and antiepileptogenic effects mediated by adeno-associated virus vector neuropeptide Y expression in the rat hippocampus. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 3051-9	6.6	209
227	Glia activation and cytokine increase in rat hippocampus by kainic acid-induced status epilepticus during postnatal development. <i>Neurobiology of Disease</i> , <b>2003</b> , 14, 494-503	7.5	201
226	Advances in the development of biomarkers for epilepsy. <i>Lancet Neurology</i> , <b>2016</b> , 15, 843-856	24.1	200
225	Epileptogenesis provoked by prolonged experimental febrile seizures: mechanisms and biomarkers. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 7484-94	6.6	198
224	Structural brain abnormalities in the common epilepsies assessed in a worldwide ENIGMA study. <i>Brain</i> , <b>2018</b> , 141, 391-408	11.2	187
223	Seizure-induced brain-borne inflammation sustains seizure recurrence and blood-brain barrier damage. <i>Annals of Neurology</i> , <b>2012</b> , 72, 82-90	9.4	179
222	Modulator effects of interleukin-1beta and tumor necrosis factor-alpha on AMPA-induced excitotoxicity in mouse organotypic hippocampal slice cultures. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 6734-44	6.6	177
221	Inhibition of the multidrug transporter P-glycoprotein improves seizure control in phenytoin-treated chronic epileptic rats. <i>Epilepsia</i> , <b>2006</b> , 47, 672-80	6.4	176

220	Albumin induces excitatory synaptogenesis through astrocytic TGF- $\beta$ /ALK5 signaling in a model of acquired epilepsy following blood-brain barrier dysfunction. <i>Neurobiology of Disease</i> , <b>2015</b> , 78, 115-25	7.5	168
219	New roles for interleukin-1 Beta in the mechanisms of epilepsy. <i>Epilepsy Currents</i> , <b>2007</b> , 7, 45-50	1.3	166
218	Epilepsy biomarkers. <i>Epilepsia</i> , <b>2013</b> , 54 Suppl 4, 61-9	6.4	165
217	Activation of Toll-like receptor, RAGE and HMGB1 signalling in malformations of cortical development. <i>Brain</i> , <b>2011</b> , 134, 1015-32	11.2	162
216	Reduced anxiety and improved stress coping ability in mice lacking NPY-Y2 receptors. <i>European Journal of Neuroscience</i> , <b>2003</b> , 18, 143-8	3.5	158
215	Brain inflammation as a biomarker in epilepsy. <i>Biomarkers in Medicine</i> , <b>2011</b> , 5, 607-14	2.3	154
214	Acute encephalopathy with inflammation-mediated status epilepticus. <i>Lancet Neurology</i> , <b>2011</b> , 10, 99-108	24.1	154
213	Glia as a source of cytokines: implications for neuronal excitability and survival. <i>Epilepsia</i> , <b>2008</b> , 49 Suppl 2, 24-32	6.4	154
212	Tumor necrosis factor-alpha inhibits seizures in mice via p75 receptors. <i>Annals of Neurology</i> , <b>2005</b> , 57, 804-12	9.4	150
211	Inflammation and prevention of epileptogenesis. <i>Neuroscience Letters</i> , <b>2011</b> , 497, 223-30	3.3	149
210	Somatostatin, neuropeptide Y, neurokinin B and cholecystokinin immunoreactivity in two chronic models of temporal lobe epilepsy. <i>Neuroscience</i> , <b>1995</b> , 69, 831-45	3.9	146
209	Interleukin Converting Enzyme inhibition impairs kindling epileptogenesis in rats by blocking astrocytic IL-1beta production. <i>Neurobiology of Disease</i> , <b>2008</b> , 31, 327-33	7.5	143
208	Febrile infection-related epilepsy syndrome treated with anakinra. <i>Annals of Neurology</i> , <b>2016</b> , 80, 939-945	9.4	142
207	Status epilepticus induces time-dependent neuronal and astrocytic expression of interleukin-1 receptor type I in the rat limbic system. <i>Neuroscience</i> , <b>2006</b> , 137, 301-8	3.9	139
206	Interleukin-1 type 1 receptor/Toll-like receptor signalling in epilepsy: the importance of IL-1beta and high-mobility group box 1. <i>Journal of Internal Medicine</i> , <b>2011</b> , 270, 319-26	10.8	136
205	Inactivation of caspase-1 in rodent brain: a novel anticonvulsive strategy. <i>Epilepsia</i> , <b>2006</b> , 47, 1160-8	6.4	136
204	Inflammatory response and glia activation in developing rat hippocampus after status epilepticus. <i>Epilepsia</i> , <b>2005</b> , 46 Suppl 5, 113-7	6.4	136
203	Overexpression of NPY and Y2 receptors in epileptic brain tissue: an endogenous neuroprotective mechanism in temporal lobe epilepsy?. <i>Neuropeptides</i> , <b>2004</b> , 38, 245-52	3.3	135

202	Astrocyte immune responses in epilepsy. <i>Glia</i> , <b>2012</b> , 60, 1258-68	9	134
201	Neuropeptide Y gene therapy decreases chronic spontaneous seizures in a rat model of temporal lobe epilepsy. <i>Brain</i> , <b>2008</b> , 131, 1506-15	11.2	134
200	High-mobility group box-1 impairs memory in mice through both toll-like receptor 4 and Receptor for Advanced Glycation End Products. <i>Experimental Neurology</i> , <b>2011</b> , 232, 143-8	5.7	132
199	Pharmacological blockade of IL-1/IL-1 receptor type 1 axis during epileptogenesis provides neuroprotection in two rat models of temporal lobe epilepsy. <i>Neurobiology of Disease</i> , <b>2013</b> , 59, 183-93	7.5	126
198	Epilepsy and inflammation in the brain: overview and pathophysiology. <i>Epilepsy Currents</i> , <b>2014</b> , 14, 3-7	1.3	126
197	Commonalities in epileptogenic processes from different acute brain insults: Do they translate?. <i>Epilepsia</i> , <b>2018</b> , 59, 37-66	6.4	123
196	Review: Neuroinflammatory pathways as treatment targets and biomarker candidates in epilepsy: emerging evidence from preclinical and clinical studies. <i>Neuropathology and Applied Neurobiology</i> , <b>2018</b> , 44, 91-111	5.2	123
195	Drug Resistance in Epilepsy: Clinical Impact, Potential Mechanisms, and New Innovative Treatment Options. <i>Pharmacological Reviews</i> , <b>2020</b> , 72, 606-638	22.5	121
194	Receptor for Advanced Glycation Endproducts is upregulated in temporal lobe epilepsy and contributes to experimental seizures. <i>Neurobiology of Disease</i> , <b>2013</b> , 58, 102-14	7.5	121
193	Neuropeptides-immunoreactivity and their mRNA expression in kindling: functional implications for limbic epileptogenesis. <i>Brain Research Reviews</i> , <b>1996</b> , 22, 27-50		121
192	Role of the N-methyl-D-aspartate-type receptors in the development and maintenance of hippocampal kindling in rats. <i>Neuroscience Letters</i> , <b>1988</b> , 87, 63-8	3.3	115
191	Blockade of the IL-1R1/TLR4 pathway mediates disease-modification therapeutic effects in a model of acquired epilepsy. <i>Neurobiology of Disease</i> , <b>2017</b> , 99, 12-23	7.5	114
190	Disulfide-containing high mobility group box-1 promotes N-methyl-D-aspartate receptor function and excitotoxicity by activating Toll-like receptor 4-dependent signaling in hippocampal neurons. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 21, 1726-40	8.4	114
189	Brain somatostatin: a candidate inhibitory role in seizures and epileptogenesis. <i>European Journal of Neuroscience</i> , <b>1999</b> , 11, 3767-76	3.5	113
188	Immunity and Inflammation in Epilepsy. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2015</b> , 6, a022699	5.4	110
187	The anti-epileptic actions of neuropeptide Y in the hippocampus are mediated by Y and not Y receptors. <i>European Journal of Neuroscience</i> , <b>2005</b> , 22, 1417-30	3.5	108
186	Significance of MDR1 and multiple drug resistance in refractory human epileptic brain. <i>BMC Medicine</i> , <b>2004</b> , 2, 37	11.4	106
185	Determination of endogenous acetylcholine release in freely moving rats by transstriatal dialysis coupled to a radioenzymatic assay: effect of drugs. <i>Journal of Neurochemistry</i> , <b>1987</b> , 48, 1459-65	6	105

184	Recombinant AAV-mediated expression of galanin in rat hippocampus suppresses seizure development. <i>European Journal of Neuroscience</i> , <b>2003</b> , 18, 2087-92	3.5	102
183	Inflammation and epilepsy. <i>Epilepsy Currents</i> , <b>2005</b> , 5, 1-6	1.3	101
182	Delayed administration of erythropoietin and its non-erythropoietic derivatives ameliorates chronic murine autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , <b>2006</b> , 172, 27-37	3.5	97
181	In vivo brain dialysis of amino acids and simultaneous EEG measurements following intrahippocampal quinolinic acid injection: evidence for a dissociation between neurochemical changes and seizures. <i>Journal of Neurochemistry</i> , <b>1985</b> , 45, 335-44	6	97
180	Neuroinflammatory targets and treatments for epilepsy validated in experimental models. <i>Epilepsia</i> , <b>2017</b> , 58 Suppl 3, 27-38	6.4	96
179	Interleukin-1 system in CNS stress: seizures, fever, and neurotrauma. <i>Annals of the New York Academy of Sciences</i> , <b>2007</b> , 1113, 173-7	6.5	95
178	GABAA currents are decreased by IL-1 $\beta$ in epileptogenic tissue of patients with temporal lobe epilepsy: implications for ictogenesis. <i>Neurobiology of Disease</i> , <b>2015</b> , 82, 311-320	7.5	92
177	Brain-derived neurotrophic factor immunoreactivity in the limbic system of rats after acute seizures and during spontaneous convulsions: temporal evolution of changes as compared to neuropeptide Y. <i>Neuroscience</i> , <b>1999</b> , 90, 1445-61	3.9	92
176	Seizure susceptibility and epileptogenesis are decreased in transgenic rats overexpressing neuropeptide Y. <i>Neuroscience</i> , <b>2002</b> , 110, 237-43	3.9	87
175	Targeting oxidative stress improves disease outcomes in a rat model of acquired epilepsy. <i>Brain</i> , <b>2017</b> , 140, 1885-1899	11.2	86
174	Blood-brain barrier dysfunction-induced inflammatory signaling in brain pathology and epileptogenesis. <i>Epilepsia</i> , <b>2012</b> , 53 Suppl 6, 37-44	6.4	80
173	Misplaced NMDA receptors in epileptogenesis contribute to excitotoxicity. <i>Neurobiology of Disease</i> , <b>2011</b> , 43, 507-15	7.5	80
172	Antiepileptic effects of botulinum neurotoxin E. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 1943-51	6.6	77
171	Altered expression of GABA(A) and GABA(B) receptor subunit mRNAs in the hippocampus after kindling and electrically induced status epilepticus. <i>Neuroscience</i> , <b>2005</b> , 134, 691-704	3.9	76
170	Long-lasting pro-ictogenic effects induced in vivo by rat brain exposure to serum albumin in the absence of concomitant pathology. <i>Epilepsia</i> , <b>2012</b> , 53, 1887-97	6.4	75
169	Age-dependent vascular changes induced by status epilepticus in rat forebrain: implications for epileptogenesis. <i>Neurobiology of Disease</i> , <b>2009</b> , 34, 121-32	7.5	75
168	Dynamic induction of the long pentraxin PTX3 in the CNS after limbic seizures: evidence for a protective role in seizure-induced neurodegeneration. <i>Neuroscience</i> , <b>2001</b> , 105, 43-53	3.9	75
167	Impulse flow dependency of galanin release in vivo in the rat ventral hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1994</b> , 91, 8047-51	11.5	75

166	Anticonvulsant properties of BIBP3226, a non-peptide selective antagonist at neuropeptide Y Y1 receptors. <i>European Journal of Neuroscience</i> , <b>1998</b> , 10, 757-9	3.5	74
165	A pilot study on brain-to-plasma partition of 10,11-dihydro-10-hydroxy-5H-dibenzo(b,f)azepine-5-carboxamide and MDR1 brain expression in epilepsy patients not responding to oxcarbazepine. <i>Epilepsia</i> , <b>2005</b> , 46, 1613-9	6.4	74
164	IL-1βs induced in reactive astrocytes in the somatosensory cortex of rats with genetic absence epilepsy at the onset of spike-and-wave discharges, and contributes to their occurrence. <i>Neurobiology of Disease</i> , <b>2011</b> , 44, 259-69	7.5	73
163	Targeting oxidative stress improves disease outcomes in a rat model of acquired epilepsy. <i>Brain</i> , <b>2019</b> , 142, e39	11.2	72
162	Inflammatory events in hippocampal slice cultures prime neuronal susceptibility to excitotoxic injury: a crucial role of P2X7 receptor-mediated IL-1β release. <i>Journal of Neurochemistry</i> , <b>2008</b> , 106, 271-80	6	72
161	Molecular and functional interactions between tumor necrosis factor-α receptors and the glutamatergic system in the mouse hippocampus: implications for seizure susceptibility. <i>Neuroscience</i> , <b>2009</b> , 161, 293-300	3.9	69
160	Somatostatin receptor subtypes 2 and 4 affect seizure susceptibility and hippocampal excitatory neurotransmission in mice. <i>European Journal of Neuroscience</i> , <b>2002</b> , 16, 843-9	3.5	68
159	[3H]norepinephrine release from hippocampal slices is an in vitro biochemical tool for investigating the pharmacological properties of excitatory amino acid receptors. <i>Journal of Neurochemistry</i> , <b>1987</b> , 49, 1438-42	6	68
158	Modulation of neuronal excitability by immune mediators in epilepsy. <i>Current Opinion in Pharmacology</i> , <b>2016</b> , 26, 118-23	5.1	67
157	Autoradiographic analysis of neuropeptide Y receptor binding sites in the rat hippocampus after kainic acid-induced limbic seizures. <i>Neuroscience</i> , <b>1996</b> , 70, 47-55	3.9	67
156	Acute induction of epileptiform discharges by pilocarpine in the in vitro isolated guinea-pig brain requires enhancement of blood-brain barrier permeability. <i>Neuroscience</i> , <b>2008</b> , 151, 303-12	3.9	66
155	Distinct changes in peptide YY binding to, and mRNA levels of, Y1 and Y2 receptors in the rat hippocampus associated with kindling epileptogenesis. <i>Journal of Neurochemistry</i> , <b>1998</b> , 70, 1615-22	6	66
154	Electrical kindling of the hippocampus is associated with functional activation of neuropeptide Y-containing neurons. <i>European Journal of Neuroscience</i> , <b>1993</b> , 5, 1534-8	3.5	65
153	Enhanced neuropeptide Y release in the hippocampus is associated with chronic seizure susceptibility in kainic acid treated rats. <i>Brain Research</i> , <b>1994</b> , 660, 138-43	3.7	63
152	In vivo imaging of glia activation using 1H-magnetic resonance spectroscopy to detect putative biomarkers of tissue epileptogenicity. <i>Epilepsia</i> , <b>2012</b> , 53, 1907-16	6.4	62
151	A peptidase-resistant cyclic octapeptide analogue of somatostatin (SMS 201-995) modulates seizures induced by quinolinic and kainic acids differently in the rat hippocampus. <i>Neuropharmacology</i> , <b>1991</b> , 30, 345-52	5.5	62
150	Immunity and inflammation in status epilepticus and its sequelae: possibilities for therapeutic application. <i>Expert Review of Neurotherapeutics</i> , <b>2015</b> , 15, 1081-92	4.3	60
149	High Mobility Group Box 1 is a novel pathogenic factor and a mechanistic biomarker for epilepsy. <i>Brain, Behavior, and Immunity</i> , <b>2018</b> , 72, 14-21	16.6	60

148	Current understanding and neurobiology of epileptic encephalopathies. <i>Neurobiology of Disease</i> , <b>2016</b> , 92, 72-89	7.5	60
147	Functional effects of D-Phe-c[Cys-Tyr-D-Trp-Lys-Val-Cys]-Trp-NH <sub>2</sub> and differential changes in somatostatin receptor messenger RNAs, binding sites and somatostatin release in kainic acid-treated rats. <i>Neuroscience</i> , <b>1995</b> , 65, 1087-97	3.9	60
146	Increased expression of GAP-43, somatostatin and neuropeptide Y mRNA in the hippocampus during development of hippocampal kindling in rats. <i>European Journal of Neuroscience</i> , <b>1993</b> , 5, 1312-20	3.5	60
145	Molecular isoforms of high-mobility group box 1 are mechanistic biomarkers for epilepsy. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 2118-2132	15.9	60
144	Functional changes in somatostatin and neuropeptide Y containing neurons in the rat hippocampus in chronic models of limbic seizures. <i>Epilepsy Research</i> , <b>1996</b> , 26, 267-79	3	58
143	Febrile Infection-Related Epilepsy Syndrome: Clinical Review and Hypotheses of Epileptogenesis. <i>Neuropediatrics</i> , <b>2017</b> , 48, 5-18	1.6	56
142	Inflammation and epilepsy. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2012</b> , 107, 163-75	3	56
141	Anticonvulsant effects and behavioural outcomes of rAAV serotype 1 vector-mediated neuropeptide Y overexpression in rat hippocampus. <i>Gene Therapy</i> , <b>2010</b> , 17, 643-52	4	56
140	In vivo and in vitro studies on the regulation of cholinergic neurotransmission in striatum, hippocampus and cortex of aged rats. <i>Brain Research</i> , <b>1986</b> , 374, 212-8	3.7	55
139	ICE/caspase 1 inhibitors and IL-1beta receptor antagonists as potential therapeutics in epilepsy. <i>Current Opinion in Investigational Drugs</i> , <b>2010</b> , 11, 43-50		55
138	Anti-inflammatory drugs in epilepsy: does it impact epileptogenesis?. <i>Expert Opinion on Drug Safety</i> , <b>2015</b> , 14, 583-92	4.1	53
137	The dual role of TNF- $\alpha$ and its receptors in seizures. <i>Experimental Neurology</i> , <b>2013</b> , 247, 267-71	5.7	51
136	Selective and persistent upregulation of mdr1b mRNA and P-glycoprotein in the parahippocampal cortex of chronic epileptic rats. <i>Epilepsy Research</i> , <b>2004</b> , 60, 203-13	3	50
135	Therapeutic effect of Anakinra in the relapsing chronic phase of febrile infection-related epilepsy syndrome. <i>Epilepsia Open</i> , <b>2019</b> , 4, 344-350	4	49
134	Gene therapy in epilepsy: the focus on NPY. <i>Peptides</i> , <b>2007</b> , 28, 377-83	3.8	49
133	Inflammation and reactive oxygen species as disease modifiers in epilepsy. <i>Neuropharmacology</i> , <b>2020</b> , 167, 107742	5.5	49
132	Growth-associated protein 43 expression in hippocampal molecular layer of chronic epileptic rats treated with cycloheximide. <i>Epilepsia</i> , <b>2005</b> , 46 Suppl 5, 125-8	6.4	48
131	Inflammation and Epilepsy: Preclinical Findings and Potential Clinical Translation. <i>Current Pharmaceutical Design</i> , <b>2017</b> , 23, 5569-5576	3.3	48



130	NPY gene transfer in the hippocampus attenuates synaptic plasticity and learning. <i>Hippocampus</i> , <b>2008</b> , 18, 564-74	3.5	47
129	Effect of various calcium channel blockers on three different models of limbic seizures in rats. <i>Neuropharmacology</i> , <b>1988</b> , 27, 451-8	5.5	47
128	Proteomic profiling of epileptogenesis in a rat model: Focus on inflammation. <i>Brain, Behavior, and Immunity</i> , <b>2016</b> , 53, 138-158	16.6	46
127	Does brain inflammation mediate pathological outcomes in epilepsy?. <i>Advances in Experimental Medicine and Biology</i> , <b>2014</b> , 813, 169-83	3.6	45
126	Neuroprotective effect of somatostatin on nonapoptotic NMDA-induced neuronal death: role of cyclic GMP. <i>Journal of Neurochemistry</i> , <b>1997</b> , 68, 319-27	6	45
125	Anti-somatostatin antibody enhances the rate of hippocampal kindling in rats. <i>Brain Research</i> , <b>1993</b> , 602, 148-52	3.7	45
124	Pharmacological targeting of brain inflammation in epilepsy: Therapeutic perspectives from experimental and clinical studies. <i>Epilepsia Open</i> , <b>2018</b> , 3, 133-142	4	44
123	Determinants of drug brain uptake in a rat model of seizure-associated malformations of cortical development. <i>Neurobiology of Disease</i> , <b>2006</b> , 24, 429-42	7.5	44
122	Somatostatin release is enhanced in the hippocampus of partially and fully kindled rats. <i>Neuroscience</i> , <b>1992</b> , 51, 41-6	3.9	43
121	Cognitive deficits and brain myo-Inositol are early biomarkers of epileptogenesis in a rat model of epilepsy. <i>Neurobiology of Disease</i> , <b>2016</b> , 93, 146-55	7.5	42
120	Stimulation of 5-HT1A receptors in the dorsal hippocampus and inhibition of limbic seizures induced by kainic acid in rats. <i>British Journal of Pharmacology</i> , <b>1996</b> , 119, 813-8	8.6	41
119	n-3 Docosapentaenoic acid-derived protectin D1 promotes resolution of neuroinflammation and arrests epileptogenesis. <i>Brain</i> , <b>2018</b> , 141, 3130-3143	11.2	41
118	Functional role of proinflammatory and anti-inflammatory cytokines in seizures. <i>Advances in Experimental Medicine and Biology</i> , <b>2004</b> , 548, 123-33	3.6	39
117	Functional and histological consequences of quinolinic and kainic acid-induced seizures on hippocampal somatostatin neurons. <i>Neuroscience</i> , <b>1991</b> , 41, 127-35	3.9	38
116	Basic mechanisms of status epilepticus due to infection and inflammation. <i>Epilepsia</i> , <b>2009</b> , 50 Suppl 12, 56-7	6.4	37
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