Esper AbrÃ£o Cavalheiro

List of Publications by Year
in descending order

452 papers	15,387 citations	25034 57 h-index	27406 106 g-index
465 all docs	465 docs citations	465 times ranked	10532 citing authors

#	Article	IF	Citations
1	Limbic seizures produced by pilocarpine in rats: Behavioural, electroencephalographic and neuropathological study. Behavioural Brain Research, 1983, 9, 315-335.	2.2	973
2	Circuit Mechanisms of Seizures in the Pilocarpine Model of Chronic Epilepsy: Cell Loss and Mossy Fiber Sprouting. Epilepsia, 1993, 34, 985-995.	5.1	634
3	Review: Cholinergic mechanisms and epileptogenesis. The seizures induced by pilocarpine: A novel experimental model of intractable epilepsy. Synapse, 1989, 3, 154-171.	1.2	586
4	Longâ€Term Effects of Pilocarpine in Rats: Structural Damage of the Brain Triggers Kindling and Spontaneous I Recurrent Seizures. Epilepsia, 1991, 32, 778-782.	5.1	555
5	Seizures produced by pilocarpine in mice: A behavioral, electroencephalographic and morphological analysis. Brain Research, 1984, 321, 237-253.	2.2	332
6	Long-term effects of intrahippocampal kainic acid injection in rats: A method for inducing spontaneous recurrent seizures. Electroencephalography and Clinical Neurophysiology, 1982, 53, 581-589.	0.3	285
7	The susceptibility of rats to pilocarpine-induced seizures is age-dependent. Developmental Brain Research, 1987, 37, 43-58.	1.7	276
8	The pilocarpine model of epilepsy. Italian Journal of Neurological Sciences, 1995, 16, 33-37.	0.1	274
9	New insights from the use of pilocarpine and kainate models. Epilepsy Research, 2002, 50, 93-103.	1.6	253
10	Spontaneous recurrent seizures in rats: An experimental model of partial epilepsy. Neuroscience and Biobehavioral Reviews, 1990, 14, 511-517.	6.1	229
11	Spontaneous Recurrent Seizures in Rats: Amino Acid and Monoamine Determination in the Hippocampus. Epilepsia, 1994, 35, 1-11.	5.1	199
12	The Pilocarpine Model of Epilepsy in Mice. Epilepsia, 1996, 37, 1015-1019.	5.1	172
13	Increased Sensitivity to Seizures in Mice Lacking Cellular Prion Protein. Epilepsia, 1999, 40, 1679-1682.	5.1	170
14	Stimulus and Potassium-Induced Epileptiform Activity in the Human Dentate Gyrus from Patients with and without Hippocampal Sclerosis. Journal of Neuroscience, 2004, 24, 10416-10430.	3.6	156
15	Suppression of pilocarpine-induced status epilepticus and the late development of epilepsy in rats. Experimental Brain Research, 1995, 102, 423-8.	1.5	154
16	Developmental aspects of the pilocarpine model of epilepsy. Epilepsy Research, 1996, 26, 115-121.	1.6	152
17	The pilocarpine model of epilepsy: what have we learned?. Anais Da Academia Brasileira De Ciencias, 2009, 81, 345-365.	0.8	144
18	Excitatory neurotransmission within substantia nigra pars reticulata regulates threshold for seizures produced by pilocarpine in rats: Effects of intranigral 2-amino-7-phosphonoheptanoate and n-methyl-d-aspartate. Neuroscience, 1986, 18, 61-77.	2.3	138

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19	Superoxide dismutase, glutathione peroxidase activities and the hydroperoxide concentration are modified in the hippocampus of epileptic rats. Epilepsy Research, 2001, 46, 121-128.	1.6	138
20	Effect of physical exercise on seizure occurrence in a model of temporal lobe epilepsy in rats. Epilepsy Research, 1999, 37, 45-52.	1.6	137
21	Effects of conventional antiepileptic drugs in a model of spontaneous recurrent seizures in rats. Epilepsy Research, 1995, 20, 93-104.	1.6	134
22	The course of untreated seizures in the pilocarpine model of epilepsy. Epilepsy Research, 1999, 34, 99-107.	1.6	130
23	Acute and chronic neurological consequences of early-life Zika virus infection in mice. Science Translational Medicine, 2018, 10, .	12.4	109
24	Changes in synaptosomal ectonucleotidase activities in two rat models of temporal lobe epilepsy. Epilepsy Research, 2000, 39, 229-238.	1.6	105
25	Seizures produced by pilocarpine: Neuropathological sequelae and activity of glutamate decarboxylase in the rat forebrain. Brain Research, 1986, 398, 37-48.	2.2	104
26	Physical Activity and Epilepsy. Sports Medicine, 2008, 38, 607-615.	6.5	104
27	Susceptibility to seizures produced by pilocarpine in rats after microinjection of isonnazid or Î³-vinyl-GABA into the substantia nigra. Brain Research, 1986, 370, 294-309.	2.2	103
28	Damage, Reorganization, and Abnormal Neocortical Hyperexcitability in the Pilocarpine Model of Temporal Lobe Epilepsy. Epilepsia, 2002, 43, 96-106.	5.1	103
29	Early exercise promotes positive hippocampal plasticity and improves spatial memory in the adult life of rats. Hippocampus, 2012, 22, 347-358.	1.9	103
30	Disruption of Cortical Development as a Consequence of Repetitive Pilocarpine-induced Status Epilepticus in Rats. Epilepsia, 2005, 46, 22-30.	5.1	96
31	Effect of physical exercise on kindling development. Epilepsy Research, 1998, 30, 127-132.	1.6	95
32	Differential effects of spontaneous versus forced exercise in rats on the staining of parvalbumin-positive neurons in the hippocampal formation. Neuroscience Letters, 2004, 364, 135-138.	2.1	94
33	Dopamine-sensitive anticonvulsant site in the rat striatum. Journal of Neuroscience, 1988, 8, 4027-4037.	3.6	93
34	Whole transcriptome analysis of the hippocampus: toward a molecular portrait of epileptogenesis. BMC Genomics, 2010, 11, 230.	2.8	92
35	Only certain antiepileptic drugs prevent seizures induced by pilocarpine. Brain Research Reviews, 1987, 12, 281-305.	9.0	91
36	Cyclooxygenase-2/PGE2 pathway facilitates pentylenetetrazol-induced seizures. Epilepsy Research, 2008, 79, 14-21.	1.6	86

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37	Discordant congenital Zika syndrome twins show differential in vitro viral susceptibility of neural progenitor cells. Nature Communications, 2018, 9, 475.	12.8	86
38	Dopamine control of seizure propagation: Intranigral dopamine D1 agonist SKF-38393 enhances susceptibility of seizures. Synapse, 1990, 5, 113-119.	1.2	83
39	Activation of D1/D5 Dopamine Receptors Protects Neurons from Synapse Dysfunction Induced by Amyloid-Î² Oligomers. Journal of Biological Chemistry, 2011, 286, 3270-3276.	3.4	77
40	Experimental and clinical findings from physical exercise as complementary therapy for epilepsy. Epilepsy and Behavior, 2013, 26, 273-278.	1.7	76
41	Paradoxical anticonvulsant activity of the excitatory amino acid N-methyl-D-aspartate in the rat caudate-putamen.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 1689-1693.	7.1	74
42	Alteration of purinergic P2X4 and P2X7 receptor expression in rats with temporal-lobe epilepsy induced by pilocarpine. Epilepsy Research, 2009, 83, 157-167.	1.6	74
43	Injections of picrotoxin and bicuculline into the amygdaloid complex of the rat: An electroencephalographic, behavioural and morphological analysis. Neuroscience, 1985, 14, 37-53.	2.3	73
44	Effects of different types of physical exercise on the staining of parvalbumin-positive neurons in the hippocampal formation of rats with epilepsy. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2007, 31, 814-822.	4.8	73
45	Epilepsy and hormonal regulation: the patterns of GnRH and galanin immunoreactivity in the hypothalamus of epileptic female rats. Epilepsy Research, 1993, 14, 149-159.	1.6	72
46	Direct Medical Costs of Refractory Epilepsy Incurred by Three Different Treatment Modalities: A Prospective Assessment. Epilepsia, 2002, 43, 96-102.	5.1	72
47	Evaluation of physical exercise habits in Brazilian patients with epilepsy. Epilepsy and Behavior, 2003, 4, 507-510.	1.7	72
48	Effects of aminophylline and 2-chloroadenosine on seizures produced by pilocarpine in rats: Morphological and electroencephalographic correlates. Brain Research, 1985, 361, 309-323.	2.2	70
49	Exercise-induced hippocampal anti-inflammatory response in aged rats. Journal of Neuroinflammation, 2013, 10, 61.	7.2	70
50	Potential therapeutic use of melatonin in migraine and other headache disorders. Expert Opinion on Investigational Drugs, 2006, 15, 367-375.	4.1	68
51	Evidence That ATP Participates in the Pathophysiology of Pilocarpine-Induced Temporal Lobe Epilepsy: A Fluorimetric, Immunohistochemical, and Western Blot Studies. Epilepsia, 2002, 43, 227-229.	5.1	66
52	Piperine decreases pilocarpine-induced convulsions by GABAergic mechanisms. Pharmacology Biochemistry and Behavior, 2013, 104, 144-153.	2.9	66
53	Neuroprotective activity of omega-3 fatty acids against epilepsy-induced hippocampal damage: Quantification with immunohistochemical for calciumâ€"binding proteins. Epilepsy and Behavior, 2008, 13, 36-42.	1.7	64
54	Neurocysticercosis: A natural human model of epileptogenesis. Epilepsia, 2015, 56, 177-183.	5.1	64

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55	Carbamazepine-resistance in the epileptic dentate gyrus of human hippocampal slices. Brain, 2006, 129, 3290-3306.	7.6	63
56	Acute strength exercise and the involvement of small or large muscle mass on plasma brain-derived neurotrophic factor levels. Clinics, 2010, 65, 1123-1126.	1.5	61
57	The potential role of physical exercise in the treatment of epilepsy. Epilepsy and Behavior, 2010, 17, 432-435.	1.7	60
58	Pilocarpine-induced status epilepticus increases glutamate release in rat hippocampal synaptosomes. Neuroscience Letters, 2004, 356, 41-44.	2.1	59
59	Cardiorespiratory and electroencephalographic responses to exhaustive acute physical exercise in people with temporal lobe epilepsy. Epilepsy and Behavior, 2010, 19, 504-508.	1.7	57
60	Intrastriatal N-methyl-d-aspartate prevents amygdala kindled seizures in rats. Brain Research, 1986, 377, 173-176.	2.2	56
61	Hormonal and gestational parameters in female rats submitted to the pilocarpine model of epilepsy. Epilepsy Research, 1998, 32, 266-274.	1.6	56
62	Sudden unexpected death in epilepsy: Are winter temperatures a new potential risk factor?. Epilepsy and Behavior, 2007, 10, 509-510.	1.7	55
63	Is physical activity beneficial for recovery in temporal lobe epilepsy? Evidences from animal studies. Neuroscience and Biobehavioral Reviews, 2009, 33, 422-431.	6.1	55
64	Drug Resistance in Cortical and Hippocampal Slices from Resected Tissue of Epilepsy Patients: No Significant Impact of P-Glycoprotein and Multidrug Resistance-Associated Proteins. Frontiers in Neurology, 2015, 6, 30.	2.4	55
65	The synthesis and distribution of the kinin B1 and B2 receptors are modified in the hippocampus of rats submitted to pilocarpine model of epilepsy. Brain Research, 2004, 1006, 114-125.	2.2	54
66	Modulation of Seizures and Synaptic Plasticity by Adenosinergic Receptors in an Experimental Model of Temporal Lobe Epilepsy Induced by Pilocarpine in Rats. Epilepsia, 2005, 46, 166-173.	5.1	54
67	Effects of pinealectomy and the treatment with melatonin on the temporal lobe epilepsy in rats. Brain Research, 2005, 1043, 24-31.	2.2	54
68	The beneficial effects of strength exercise on hippocampal cell proliferation and apoptotic signaling is impaired by anabolic androgenic steroids. Psychoneuroendocrinology, 2014, 50, 106-117.	2.7	54
69	Blockade of spreading depression in chronic epileptic rats: reversion by diazepam. Epilepsy Research, 1997, 27, 33-40.	1.6	53
70	Glycosaminoglycan levels and proteoglycan expression are altered in the hippocampus of patients with mesial temporal lobe epilepsy. Brain Research Bulletin, 2002, 58, 509-516.	3.0	53
71	Postischemic hyperthermia induces Alzheimer-like pathology in the rat brain. Acta Neuropathologica, 2002, 103, 444-452.	7.7	53
72	Characterization of convulsions induced by methyl Î²-carboline-3-carboxylate in mice. European Journal of Pharmacology, 1984, 103, 287-293.	3.5	52

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73	Serotonin depletion effects on the pilocarpine model of epilepsy. Epilepsy Research, 2008, 82, 194-199.	1.6	52
74	The other side of the coin: Beneficiary effect of omega-3 fatty acids in sudden unexpected death in epilepsy. Epilepsy and Behavior, 2008, 13, 279-283.	1.7	52
75	Mitogen-activated protein kinase is increased in the limbic structures of the rat brain during the early stages of status epilepticus. Brain Research Bulletin, 1998, 47, 223-229.	3.0	49
76	The reninâ€angiotensin system is upregulated in the cortex and hippocampus of patients with temporal lobe epilepsy related to mesial temporal sclerosis. Epilepsia, 2008, 49, 1348-1357.	5.1	48
77	Acute and chronic exercise modulates the expression of MOR opioid receptors in the hippocampal formation of rats. Brain Research Bulletin, 2010, 83, 278-283.	3.0	48
78	Differential effects of exercise intensities in hippocampal BDNF, inflammatory cytokines and cell proliferation in rats during the postnatal brain development. Neuroscience Letters, 2013, 553, 1-6.	2.1	48
79	Caffeine neuroprotective effects on 6-OHDA-lesioned rats are mediated by several factors, including pro-inflammatory cytokines and histone deacetylase inhibitions. Behavioural Brain Research, 2014, 264, 116-125.	2.2	48
80	Alterations of the neocortical GABAergic system in the pilocarpine model of temporal lobe epilepsy: Neuronal damage and immunocytochemical changes in chronic epileptic rats. Brain Research Bulletin, 2002, 58, 417-421.	3.0	47
81	Physical exercise during the adolescent period of life increases hippocampal parvalbumin expression. Brain and Development, 2010, 32, 137-142.	1.1	47
82	What can be done to reduce the risk of SUDEP?. Epilepsy and Behavior, 2010, 18, 137-138.	1.7	47
83	Exercise Paradigms to Study Brain Injury Recovery in Rodents. American Journal of Physical Medicine and Rehabilitation, 2011, 90, 452-465.	1.4	47
84	Glutamate antagonists: Deadly liaisons with cancer. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 5947-5948.	7.1	46
85	Kinin B1 and B2 receptors are overexpressed in the hippocampus of humans with temporal lobe epilepsy. Hippocampus, 2007, 17, 26-33.	1.9	46
86	Qualitative analysis of hippocampal plastic changes in rats with epilepsy supplemented with oral omega-3 fatty acids. Epilepsy and Behavior, 2010, 17, 33-38.	1.7	46
87	The basal ganglia, the deep prepyriform cortex, and seizure spread: bicuculline is anticonvulsant in the rat striatum.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 1694-1697.	7.1	45
88	Epileptogenesis in immature rats following recurrent status epilepticus. Brain Research Reviews, 2000, 32, 269-276.	9.0	45
89	Glutamate Levels in Cerebrospinal Fluid and Triptans Overuse in Chronic Migraine. Headache, 2007, 47, 842-847.	3.9	45
90	Preventing Tomorrowâ€™s Sudden Cardiac Death in Epilepsy Today: What Should Physicians Know about This?. Clinics, 2008, 63, 389-394.	1.5	45

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91	Behavioral evaluation of adult rats exposed in utero to maternal epileptic seizures. Epilepsy and Behavior, 2010, 18, 45-49.	1.7	45
92	A strength exercise program in rats with epilepsy is protective against seizures. Epilepsy and Behavior, 2012, 25, 323-328.	1.7	45
93	Neuropeptide-Y immunoreactivity in the pilocarpine model of temporal lobe epilepsy. Experimental Brain Research, 1997, 116, 186-190.	1.5	44
94	Microinjections of the Î³-aminobutyrate antagonist, bicuculline methiodide, into the caudate-putamen prevent amygdala-kindled seizures in rats. Brain Research, 1987, 411, 370-372.	2.2	43
95	Expression of apoptosis inhibitor protein Mcl1 linked to neuroprotection in CNS neurons. Cell Death and Differentiation, 2004, 11, 1223-1233.	11.2	43
96	Down Syndrome iPSC-Derived Astrocytes Impair Neuronal Synaptogenesis and the mTOR Pathway In Vitro. Molecular Neurobiology, 2018, 55, 5962-5975.	4.0	42
97	Seizures during pregnancy modify the development of hippocampal interneurons of the offspring. Epilepsy and Behavior, 2010, 19, 20-25.	1.7	41
98	Glucose Utilization During Interictal Intervals in an Epilepsy Model Induced by Pilocarpine: A Qualitative Study. Epilepsia, 1998, 39, 1041-1045.	5.1	40
99	Intrastriatal Methylmalonic Acid Administration Induces Convulsions and TBARS Production, and Alters Na+,K+-ATPase Activity in the Rat Striatum and Cerebral Cortex. Epilepsia, 2003, 44, 761-767.	5.1	40
100	Neuromodulatory effect of creatine on extracellular action potentials in rat hippocampus: Role of NMDA receptors. Neurochemistry International, 2008, 53, 33-37.	3.8	40
101	Favorable effects of physical activity for recovery in temporal lobe epilepsy. Epilepsia, 2010, 51, 76-79.	5.1	40
102	High-resolution synchrotron-based X-ray microtomography as a tool to unveil the three-dimensional neuronal architecture of the brain. Scientific Reports, 2018, 8, 12074.	3.3	40
103	Sudden unexpected death in epilepsy: From the lab to the clinic setting. Epilepsy and Behavior, 2013, 26, 415-420.	1.7	39
104	Granule cell dispersion is not a predictor of surgical outcome in temporal lobe epilepsy with mesial temporal sclerosis. , 2013, 32, 24-30.		39
105	Physical training does not influence interictal LCMRglu in pilocarpine-treated rats with epilepsy. Physiology and Behavior, 2003, 79, 789-794.	2.1	38
106	Physical exercise in epilepsy: What kind of stressor is it?. Epilepsy and Behavior, 2009, 16, 381-387.	1.7	38
107	Changes in aminoacidergic and monoaminergic neurotransmission in the hippocampus and amygdala of rats after ayahuasca ingestion. World Journal of Biological Chemistry, 2013, 4, 141.	4.3	37
108	Substantia nigra regulates action of antiepileptic drugs. Brain Research, 1990, 520, 232-239.	2.2	36

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109	Na+K+ ATPase activity in the rat hippocampus: A study in the pilocarpine model of epilepsy. Neurochemistry International, 1996, 28, 497-500.	3.8	36
110	Selective alterations of glycosaminoglycans synthesis and proteoglycan expression in rat cortex and hippocampus in pilocarpine-induced epilepsy. Brain Research Bulletin, 1999, 50, 229-239.	3.0	36
111	Lovastatin reduces neuronal cell death in hippocampal CA1 subfield after pilocarpine-induced status epilepticus: preliminary results. Arquivos De Neuro-Psiquiatria, 2005, 63, 972-976.	0.8	36
112	The Pilocarpine Model of Seizures. , 2006, , 433-448.		36
113	Mechanistic hypotheses for nonsynaptic epileptiform activity induction and its transition from the interictal to ictal stateâ€"Computational simulation. Epilepsia, 2008, 49, 1908-1924.	5.1	36
114	Contamination of Mesenchymal Stem-Cells with Fibroblasts Accelerates Neurodegeneration in an Experimental Model of Parkinsonâ€™s Disease. Stem Cell Reviews and Reports, 2011, 7, 1006-1017.	5.6	36
115	Stimulation of septal and amygdaloid nuclei: EEG and behavioral responses during early development of kindling with special reference to wet dog shakes. Experimental Neurology, 1981, 74, 717-727.	4.1	35
116	Intrahippocampal bethanechol in rats: Behavioural, electroencephalographic and neuropathological correlates. Behavioural Brain Research, 1983, 7, 361-370.	2.2	35
117	Role of kinin B1 and B2 receptors in the development of pilocarpine model of epilepsy. Brain Research, 2004, 1013, 30-39.	2.2	35
118	Cerebrospinal fluid GABA levels in chronic migraine with and without depression. Brain Research, 2006, 1090, 197-201.	2.2	35
119	Protective effect of the organotelluroxetane RF-07 in pilocarpine-induced status epilepticus. Neurobiology of Disease, 2008, 31, 120-126.	4.4	35
120	Evaluation of intense physical effort in subjects with temporal lobe epilepsy. Arquivos De Neuro-Psiquiatria, 2009, 67, 1007-1012.	0.8	35
121	Lovastatin decreases the synthesis of inflammatory mediators during epileptogenesis in the hippocampus of rats submitted to pilocarpine-induced epilepsy. Epilepsy and Behavior, 2014, 36, 68-73.	1.7	35
122	Different patterns of epileptiform-like activity are generated in the sclerotic hippocampus from patients with drug-resistant temporal lobe epilepsy. Scientific Reports, 2018, 8, 7116.	3.3	35
123	Effect of DSP4 on hippocampal kindling in rats. Pharmacology Biochemistry and Behavior, 1986, 24, 777-779.	2.9	34
124	Relationship between seizure frequency and number of neuronal and non-neuronal cells in the hippocampus throughout the life of rats with epilepsy. Brain Research, 2016, 1634, 179-186.	2.2	34
125	Deficit in hippocampal long-term potentiation in monosodium glutamate-treated rats. Brain Research Bulletin, 2002, 59, 47-51.	3.0	33
126	Phosphonic analogues of excitatory amino acids raise the threshold for maximal electroconvulsions in mice. Neuroscience Research, 1985, 3, 86-90.	1.9	32

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127	Three main factors in rat shuttle behavior: Their pharmacology and sequential entry in operation during a two-way avoidance session. Psychopharmacology, 1976, 49, 145-157.	3.1	31
128	Temporal lobe epilepsy with mesial temporal sclerosis: hippocampal neuronal loss as a predictor of surgical outcome. Arquivos De Neuro-Psiquiatria, 2012, 70, 319-324.	0.8	31
129	Status epilepticus does not induce acute brain inflammatory response in the Amazon rodent Proechimys, an animal model resistant to epileptogenesis. Neuroscience Letters, 2018, 668, 169-173.	2.1	31
130	Neuroprotective effect of pyruvate and oxaloacetate during pilocarpine induced status epilepticus in rats. Neurochemistry International, 2011, 58, 385-390.	3.8	30
131	Melatonin administration after pilocarpine-induced status epilepticus: A new way to prevent or attenuate postlesion epilepsy?. Epilepsy and Behavior, 2011, 20, 607-612.	1.7	30
132	From depressive symptoms to depression in people with epilepsy: Contribution of physical exercise to improve this picture. Epilepsy Research, 2012, 99, 1-13.	1.6	30
133	Hippocampal atrophy on MRI is predictive of histopathological patterns and surgical prognosis in mesial temporal lobe epilepsy with hippocampal sclerosis. Epilepsy Research, 2016, 128, 169-175.	1.6	30
134	Physical training reverts hippocampal electrophysiological changes in rats submitted to the pilocarpine model of epilepsy. Physiology and Behavior, 2004, 83, 165-171.	2.1	30
135	Intracortical and intrahippocampal injections of kainic acid in developing rats: An electrographic study. Electroencephalography and Clinical Neurophysiology, 1983, 56, 480-486.	0.3	29
136	Differential effects of non-steroidal anti-inflammatory drugs on seizures produced by pilocarpine in rats. Brain Research, 1988, 462, 275-285.	2.2	29
137	Lack of Fos-like immunoreactivity after spontaneous seizures or reinduction of status epilepticus by pilocarpine in rats. Neuroscience Letters, 1996, 208, 133-137.	2.1	29
138	Rasmussen encephalitis: long-term outcome after surgery. Child's Nervous System, 2009, 25, 583-589.	1.1	29
139	Valproic Acid Neuroprotection in the 6-OHDA Model of Parkinsonâ€™s Disease Is Possibly Related to Its Anti-Inflammatory and HDAC Inhibitory Properties. Journal of Neurodegenerative Diseases, 2015, 2015, 1-14.	1.1	29
140	Convulsant action of morphine, [d-ala2, d-leu5]-enkephalin and naloxone in the rat amygdala: Electroencephalographic, morphological and behavioural sequelae. Neuroscience, 1987, 20, 671-686.	2.3	28
141	Fos induction and persistence, neurodegeneration, and interneuron activation in the hippocampus of epilepsy-resistant versus epilepsy-prone rats after pilocarpine-induced seizures. Hippocampus, 2004, 14, 895-907.	1.9	28
142	Furthering our understanding of SUDEP: the role of animal models. Expert Review of Neurotherapeutics, 2016, 16, 561-572.	2.8	28
143	Ricinine-Elicited Seizures. Pharmacology Biochemistry and Behavior, 2000, 65, 577-583.	2.9	27
144	Early physical exercise and seizure susceptibility later in life. International Journal of Developmental Neuroscience, 2011, 29, 861-865.	1.6	27

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145	The levels of reninâ€“angiotensin related components are modified in the hippocampus of rats submitted to pilocarpine model of epilepsy. Neurochemistry International, 2012, 61, 54-62.	3.8	27
146	Response of the rat brain Î²-endorphin system to novelty: Importance of the fornix connection. Behavioral and Neural Biology, 1985, 43, 37-46.	2.2	26
147	Paradoxical anticonvulsant acitivity of the ?hyphen;Aminobutyrate antagonist bicuculline methiodide in the rat striatum. Synapse, 1991, 7, 14-20.	1.2	26
148	Extracellular Matrix Components are Altered in the Hippocampus, Cortex, and Cerebrospinal Fluid of Patients with Mesial Temporal Lobe Epilepsy. Epilepsia, 2002, 43, 159-161.	5.1	26
149	Lovastatin decreases the synthesis of inflammatory mediators in the hippocampus and blocks the hyperthermia of rats submitted to long-lasting status epilepticus. Epilepsy and Behavior, 2011, 20, 1-5.	1.7	26
150	Sleep, epilepsy and translational research: What can we learn from the laboratory bench?. Progress in Neurobiology, 2011, 95, 396-405.	5.7	26
151	Differential effects of exercise on brain opioid receptor binding and activation in rats. Journal of Neurochemistry, 2015, 132, 206-217.	3.9	26
152	The brain-heart connection: implications for understanding sudden unexpected death in epilepsy. Cardiology Journal, 2009, 16, 394-9.	1.2	26
153	Branched connections to the septum and to the entorhinal cortex from the hippocampus, amygdala, and diencephalon in the rat. Brain Research Bulletin, 1996, 40, 245-251.	3.0	25
154	The spiny rat Proechimys guyannensis as model of resistance to epilepsy: chemical characterization of hippocampal cell populations and pilocarpine-induced changes. Neuroscience, 2001, 104, 979-1002.	2.3	25
155	Proechimys guyannensis: An Animal Model of Resistance to Epilepsy. Epilepsia, 2005, 46, 189-197.	5.1	25
156	Temporal lobe epilepsy and social behavior: An animal model for autism?. Epilepsy and Behavior, 2008, 13, 43-46.	1.7	25
157	Hippocampal mossy fiber sprouting induced by forced and voluntary physical exercise. Physiology and Behavior, 2010, 101, 302-308.	2.1	25
158	Mothers of children with cerebral palsy with or without epilepsy: a quality of life perspective. Disability and Rehabilitation, 2011, 33, 384-388.	1.8	25
159	Physical training in developing rats does not influence the kindling development in the adult life. Physiology and Behavior, 2007, 90, 629-633.	2.1	24
160	Physical exercise in adolescence changes CB1 cannabinoid receptor expression in the rat brain. Neurochemistry International, 2010, 57, 492-496.	3.8	24
161	Beneficial influence of physical exercise following status epilepticus in the immature brain of rats. Neuroscience, 2014, 274, 69-81.	2.3	24
162	Impact of hippocampal subfield histopathology in episodic memory impairment in mesial temporal lobe epilepsy and hippocampal sclerosis. Epilepsy and Behavior, 2017, 75, 183-189.	1.7	24

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163	Seizures induced by aminooxyacetic acid in mice: Pharmacolgical characteristics. Synapse, 1991, 7, 173-180.	1.2	23
164	Castration in female rats modifies the development of the pilocarpine model of epilepsy. Epilepsy Research, 2002, 49, 181-188.	1.6	23
165	Neocortical and Hippocampal Changes after Multiple Pilocarpineâ€induced Status Epilepticus in Rats. Epilepsia, 2005, 46, 636-642.	5.1	23
166	Morphological and electrophysiological properties of pyramidal-like neurons in the stratum oriens of Cornu ammonis 1 and Cornu ammonis 2 area of Proechimys. Neuroscience, 2011, 177, 252-268.	2.3	23
167	Sleep and epilepsy: Exploring an intriguing relationship with a translational approach. Epilepsy and Behavior, 2013, 26, 405-409.	1.7	23
168	Amino acid and monoamine alterations in the cerebral cortex and hippocampus of mice submitted to ricinine-induced seizures. Pharmacology Biochemistry and Behavior, 2002, 72, 779-786.	2.9	22
169	Expression of vitamin D receptor mRNA in the hippocampal formation of rats submitted to a model of temporal lobe epilepsy induced by pilocarpine. Brain Research Bulletin, 2008, 76, 480-484.	3.0	22
170	Positive impact of omega-3 fatty acid supplementation in a dog with drug-resistant epilepsy: A case study. Epilepsy and Behavior, 2009, 15, 527-528.	1.7	22
171	Role of Physical Exercise as Complementary Treatment for Epilepsy and other Brain Disorders. Current Pharmaceutical Design, 2013, 19, 6720-6725.	1.9	22
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