

Mesial Temporal Lobe Epilepsy: Pathogenesis, Induced

Toxicologic Pathology

35, 984-999

DOI: [10.1080/01926230701748305](https://doi.org/10.1080/01926230701748305)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The role of trace elements in the pathogenesis and progress of pilocarpine-induced epileptic seizures. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 1267-1274.	1.1	31
2	Temporal Profile of Clinical Signs and Histopathologic Changes in an F-344 Rat Model of Kainic Acid-induced Mesial Temporal Lobe Epilepsy. <i>Toxicologic Pathology</i> , 2008, 36, 932-943.	0.9	32
3	Neuroimaging in Epilepsy: Diagnostic Strategies in Partial Epilepsy. <i>Seminars in Neurology</i> , 2008, 28, 523-532.	0.5	22
4	Kainic Acid-induced F-344 Rat model of Mesial Temporal Lobe Epilepsy: Gene Expression and Canonical Pathways. <i>Toxicologic Pathology</i> , 2009, 37, 776-789.	0.9	27
6	Synchronized gamma oscillations (30-50 Hz) in the amygdalo-hippocampal network in relation with seizure propagation and severity. <i>Neurobiology of Disease</i> , 2009, 35, 209-218.	2.1	30
7	Pilocarpine vs. lithium-pilocarpine for induction of status epilepticus in mice: Development of spontaneous seizures, behavioral alterations and neuronal damage. <i>European Journal of Pharmacology</i> , 2009, 619, 15-24.	1.7	75
8	Complex time-dependent alterations in the brain expression of different drug efflux transporter genes after status epilepticus. <i>Epilepsia</i> , 2009, 50, 887-897.	2.6	37
9	Dissociation of seizure traits in inbred strains of mice using the flurothyl kindling model of epileptogenesis. <i>Experimental Neurology</i> , 2009, 215, 60-68.	2.0	24
10	Difficulties in Treatment and Management of Epilepsy and Challenges in New Drug Development. <i>Pharmaceuticals</i> , 2010, 3, 2090-2110.	1.7	99
11	In vivo imaging of dopamine receptors in a model of temporal lobe epilepsy. <i>Epilepsia</i> , 2010, 51, 415-422.	2.6	43
12	Innate but not adaptive immune responses contribute to behavioral seizures following viral infection. <i>Epilepsia</i> , 2010, 51, 454-464.	2.6	102
13	Chrelin attenuates kainic acid-induced neuronal cell death in the mouse hippocampus. <i>Journal of Endocrinology</i> , 2010, 205, 263-270.	1.2	100
14	The sleep-wake cycle in adult rats following pilocarpine-induced temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2010, 17, 324-331.	0.9	26
15	An Experimental Study on Dynamic Morphological Changes and Expression Pattern of GFAP and Synapsin I in the Hippocampus of MTL Models for Immature Rats. <i>International Journal of Neuroscience</i> , 2011, 121, 575-588.	0.8	8
16	Capsaicin prevents kainic acid-induced epileptogenesis in mice. <i>Neurochemistry International</i> , 2011, 58, 634-640.	1.9	49
17	Trimethyltin-induced hippocampal degeneration as a tool to investigate neurodegenerative processes. <i>Neurochemistry International</i> , 2011, 58, 729-738.	1.9	106
18	An early decrease in cell proliferation after pentylenetetrazole-induced seizures. <i>Epilepsy and Behavior</i> , 2011, 22, 433-441.	0.9	18
19	Sleep, epilepsy and translational research: What can we learn from the laboratory bench?. <i>Progress in Neurobiology</i> , 2011, 95, 396-405.	2.8	26

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20	Compensatory network alterations upon onset of epilepsy in synapsin triple knock-out mice. <i>Neuroscience</i> , 2011, 189, 108-122.	1.1	42
21	Neuroprotective actions of ghrelin and growth hormone secretagogues. <i>Frontiers in Molecular Neuroscience</i> , 2011, 4, 23.	1.4	48
22	Store-operated calcium entry modulates neuronal network activity in a model of chronic epilepsy. <i>Experimental Neurology</i> , 2011, 232, 185-194.	2.0	65
23	Prenatal choline deficiency does not enhance hippocampal vulnerability after kainic acid-induced seizures in adulthood. <i>Brain Research</i> , 2011, 1413, 84-97.	1.1	5
24	Ultrasonic neuromodulation by brain stimulation with transcranial ultrasound. <i>Nature Protocols</i> , 2011, 6, 1453-1470.	5.5	363
25	Water maze experience and prenatal choline supplementation differentially promote long-term hippocampal recovery from seizures in adulthood. <i>Hippocampus</i> , 2011, 21, 584-608.	0.9	35
26	Effect of prolonged status epilepticus as a result of intoxication on epileptogenesis in a UK canine population. <i>Veterinary Record</i> , 2011, 169, 361-361.	0.2	14
27	Special Neuropathology Problems. <i>Toxicologic Pathology</i> , 2011, 39, 170-171.	0.9	0
28	Animal Models in Neurology: Drawbacks and Opportunities. <i>Current Pharmaceutical Design</i> , 2012, 18, 4443-4452.	0.9	3
29	Anxiety-Like Behavior of Prenatally Stressed Rats Is Associated with a Selective Reduction of Glutamate Release in the Ventral Hippocampus. <i>Journal of Neuroscience</i> , 2012, 32, 17143-17154.	1.7	88
30	Cannabidiol exerts anti-convulsant effects in animal models of temporal lobe and partial seizures. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2012, 21, 344-352.	0.9	205
31	Hippocampal tissue of patients with refractory temporal lobe epilepsy is associated with astrocyte activation, inflammation, and altered expression of channels and receptors. <i>Neuroscience</i> , 2012, 220, 237-246.	1.1	175
32	Adeno associated viral vector-mediated expression of somatostatin in rat hippocampus suppresses seizure development. <i>Neuroscience Letters</i> , 2012, 509, 87-91.	1.0	12
33	Generation and characterization of pilocarpine-sensitive C57BL/6 mice as a model of temporal lobe epilepsy. <i>Behavioural Brain Research</i> , 2012, 230, 182-191.	1.2	38
34	Progress of elemental anomalies of hippocampal formation in the pilocarpine model of temporal lobe epilepsy: an X-ray fluorescence microscopy study. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 3071-3080.	1.9	29
36	Runaway Dendrites: Blame the Older Siblings. <i>Epilepsy Currents</i> , 2012, 12, 222-224.	0.4	0
37	Understanding the basic mechanisms underlying seizures in mesial temporal lobe epilepsy and possible therapeutic targets: A review. <i>Journal of Neuroscience Research</i> , 2012, 90, 913-924.	1.3	57
38	Variations in elemental compositions of rat hippocampal formation between acute and latent phases of pilocarpine-induced epilepsy: an X-ray fluorescence microscopy study. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 731-739.	1.1	19

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39	Histamine 1 receptor knock out mice show age-dependent susceptibility to status epilepticus and consequent neuronal damage. <i>Epilepsy Research</i> , 2012, 100, 80-92.	0.8	13
40	Neuromodulatory role of endogenous interleukin-1 β in acute seizures: Possible contribution of cyclooxygenase-2. <i>Neurobiology of Disease</i> , 2012, 45, 234-242.	2.1	25
41	Electrical, molecular and behavioral effects of interictal spiking in the rat. <i>Neurobiology of Disease</i> , 2012, 47, 92-101.	2.1	40
42	Synchrotron radiation Fourier-transform infrared and Raman microspectroscopy study showing an increased frequency of creatine inclusions in the rat hippocampal formation following pilocarpine-induced seizures. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2267-2274.	1.9	20
43	The kainic acid model of temporal lobe epilepsy. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 2887-2899.	2.9	420
44	Altered hippocampal myelinated fiber integrity in a lithium-pilocarpine model of temporal lobe epilepsy: A histopathological and stereological investigation. <i>Brain Research</i> , 2013, 1522, 76-87.	1.1	36
45	Current management and surgical outcomes of medically intractable epilepsy. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 2411-2418.	0.6	90
46	Caspase 3 involves in neuroplasticity, microglial activation and neurogenesis in the mice hippocampus after intracerebral injection of kainic acid. <i>Journal of Biomedical Science</i> , 2013, 20, 90.	2.6	44
47	Experimental Models of Status Epilepticus and Neuronal Injury for Evaluation of Therapeutic Interventions. <i>International Journal of Molecular Sciences</i> , 2013, 14, 18284-18318.	1.8	193
48	Downregulation of gephyrin and GABA _A receptor subunits during epileptogenesis in the CA1 region of hippocampus. <i>Epilepsia</i> , 2013, 54, 616-624.	2.6	43
49	Fructose-1,6-diphosphate protects against epileptogenesis by modifying cation-chloride co-transporters in a model of amygdaloid-kindling temporal epilepticus. <i>Brain Research</i> , 2013, 1539, 87-94.	1.1	9
50	Coenzyme Q10 Ameliorates Neurodegeneration, Mossy Fiber Sprouting, and Oxidative Stress in Intrahippocampal Kainate Model of Temporal Lobe Epilepsy in Rat. <i>Journal of Molecular Neuroscience</i> , 2013, 49, 194-201.	1.1	36
51	Regenerative Medicine for Epilepsy: From Basic Research to Clinical Application. <i>International Journal of Molecular Sciences</i> , 2013, 14, 23390-23401.	1.8	8
52	Enhanced Synaptic Connectivity in the Dentate Gyrus during Epileptiform Activity: Network Simulation. <i>Computational Intelligence and Neuroscience</i> , 2013, 2013, 1-19.	1.1	4
53	Antiepileptogenic effect of curcumin on kainate-induced model of temporal lobe epilepsy. <i>Pharmaceutical Biology</i> , 2013, 51, 1572-1578.	1.3	58
54	Prostaglandin F $_{2\beta}$ receptor antagonist improves outcomes after experimental traumatic brain injury. <i>Journal of Neuroinflammation</i> , 2013, 10, 132.	3.1	45
55	Optogenetic Delay of Status Epilepticus Onset in an In Vivo Rodent Epilepsy Model. <i>PLoS ONE</i> , 2013, 8, e62013.	1.1	58
56	Pregabalin Attenuates Excitotoxicity in Diabetes. <i>PLoS ONE</i> , 2013, 8, e65154.	1.1	13

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57	The possible role of GABAA receptors and gephyrin in epileptogenesis. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 113.	1.8	19
58	Are vesicular neurotransmitter transporters potential treatment targets for temporal lobe epilepsy?. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 139.	1.8	51
59	Human Fetal Brain-Derived Neural Stem/Progenitor Cells Grafted into the Adult Epileptic Brain Restrain Seizures in Rat Models of Temporal Lobe Epilepsy. <i>PLoS ONE</i> , 2014, 9, e104092.	1.1	22
60	The vulnerability of calretinin-containing hippocampal interneurons to temporal lobe epilepsy. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 100.	0.9	45
61	Differential regulation of collapsin response mediator protein 2 (CRMP2) phosphorylation by GSK3 β , and CDK5 following traumatic brain injury. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 135.	1.8	29
62	Changes in Hippocampal Volume are Correlated with Cell Loss but Not with Seizure Frequency in Two Chronic Models of Temporal Lobe Epilepsy. <i>Frontiers in Neurology</i> , 2014, 5, 111.	1.1	36
63	Rapid Eye Movement Sleep and Hippocampal Theta Oscillations Precede Seizure Onset in the Tetanus Toxin Model of Temporal Lobe Epilepsy. <i>Journal of Neuroscience</i> , 2014, 34, 1105-1114.	1.7	59
64	Cognitive impairment in temporal lobe epilepsy: Role of online and offline processing of single cell information. <i>Hippocampus</i> , 2014, 24, 1129-1145.	0.9	28
65	Childhood-onset nonprogressive chronic encephalitis. <i>Epilepsy and Behavior</i> , 2014, 31, 85-90.	0.9	2
66	Cardiac phenomena during kainic-acid induced epilepsy and lamotrigine antiepileptic therapy. <i>Epilepsy Research</i> , 2014, 108, 666-674.	0.8	15
67	MRI changes and complement activation correlate with epileptogenicity in a mouse model of temporal lobe epilepsy. <i>Brain Structure and Function</i> , 2014, 219, 683-706.	1.2	45
68	Serotonin 1A receptor inhibits the status epilepticus induced by lithium-pilocarpine in rats. <i>Neuroscience Bulletin</i> , 2014, 30, 401-408.	1.5	10
69	Dynamics of hippocampal acetylcholine release during lithium-induced status epilepticus in rats. <i>Journal of Neurochemistry</i> , 2014, 131, 42-52.	2.1	49
70	Neuroprotective Effect of Vitamin E in a Kainate-Induced Rat Model of Temporal Lobe Epilepsy. <i>Neurophysiology</i> , 2014, 46, 126-133.	0.2	0
71	Postnatal interleukin-1 β enhances adulthood seizure susceptibility and neuronal cell death after prolonged experimental febrile seizures in infantile rats. <i>Acta Neurologica Belgica</i> , 2014, 114, 179-185.	0.5	15
72	Animal models of epilepsy: use and limitations. <i>Neuropsychiatric Disease and Treatment</i> , 2014, 10, 1693.	1.0	344
73	Seizures and Brain Regulatory Systems. <i>Journal of Clinical Neurophysiology</i> , 2015, 32, 188-193.	0.9	17
74	Postnatal interleukin-1 β administration after experimental prolonged febrile seizures enhances epileptogenesis in adulthood. <i>Metabolic Brain Disease</i> , 2015, 30, 813-819.	1.4	8

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75	Oxidative stress in murine Theiler's virus-induced temporal lobe epilepsy. <i>Experimental Neurology</i> , 2015, 271, 329-334.	2.0	28
76	Disease Modification in Epilepsy: From Animal Models to Clinical Applications. <i>Drugs</i> , 2015, 75, 749-767.	4.9	35
77	Ultrastructural changes to rat hippocampus in pentylenetetrazol- and kainic acid-induced status epilepticus: A study using electron microscopy. <i>Micron</i> , 2015, 74, 22-29.	1.1	14
78	Rapid changes in expression of class I and IV histone deacetylases during epileptogenesis in mouse models of temporal lobe epilepsy. <i>Experimental Neurology</i> , 2015, 273, 92-104.	2.0	32
79	LSD1 Neurospecific Alternative Splicing Controls Neuronal Excitability in Mouse Models of Epilepsy. <i>Cerebral Cortex</i> , 2015, 25, 2729-2740.	1.6	51
80	Matrix Metalloproteinase 9 in Epilepsy: The Role of Neuroinflammation in Seizure Development. <i>Mediators of Inflammation</i> , 2016, 2016, 1-14.	1.4	62
81	Regulation of Physical Microglia-Neuron Interactions by Fractalkine Signaling after Status Epilepticus. <i>ENeuro</i> , 2016, 3, ENEURO.0209-16.2016.	0.9	86
82	Remarkable alterations of Nav1.6 in reactive astrogliosis during epileptogenesis. <i>Scientific Reports</i> , 2016, 6, 38108.	1.6	29
83	Human Brain Tissue as a Model for the Study of Epilepsy. <i>Methods in Pharmacology and Toxicology</i> , 2016, , 203-219.	0.1	0
84	Inhibition of sodium glucose cotransporters following status epilepticus induced by intrahippocampal pilocarpine affects neurodegeneration process in hippocampus. <i>Epilepsy and Behavior</i> , 2016, 61, 258-268.	0.9	17
85	Early childhood trauma and hippocampal volumes in patients with epileptic and psychogenic seizures. <i>Epilepsy and Behavior</i> , 2016, 64, 180-185.	0.9	23
86	Postictal alterations induced by intrahippocampal injection of pilocarpine in C57BL/6 mice. <i>Epilepsy and Behavior</i> , 2016, 64, 83-89.	0.9	19
87	Regulation of the cell surface expression of chloride transporters during epileptogenesis. <i>Neuroscience Letters</i> , 2016, 628, 213-218.	1.0	10
88	Extracellular levels of ATP and acetylcholine during lithium-pilocarpine induced status epilepticus in rats. <i>Neuroscience Letters</i> , 2016, 611, 69-73.	1.0	28
89	Detection of aberrant hippocampal mossy fiber connections: Ex vivo mesoscale diffusion MRI and microtractography with histological validation in a patient with uncontrolled temporal lobe epilepsy. <i>Human Brain Mapping</i> , 2016, 37, 780-795.	1.9	36
90	Xenograft of human umbilical mesenchymal stem cells from Wharton's jelly as a potential therapy for rat pilocarpine-induced epilepsy. <i>Brain, Behavior, and Immunity</i> , 2016, 54, 45-58.	2.0	31
91	Minocycline fails to exert antiepileptogenic effects in a rat status epilepticus model. <i>European Journal of Pharmacology</i> , 2016, 771, 29-39.	1.7	15
92	Relationship between seizure frequency and number of neuronal and non-neuronal cells in the hippocampus throughout the life of rats with epilepsy. <i>Brain Research</i> , 2016, 1634, 179-186.	1.1	34

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93	Pathophysiological Roles of Cyclooxygenases and Prostaglandins in the Central Nervous System. <i>Molecular Neurobiology</i> , 2016, 53, 4754-4771.	1.9	145
94	Animal models of temporal lobe epilepsy following systemic chemoconvulsant administration. <i>Journal of Neuroscience Methods</i> , 2016, 260, 45-52.	1.3	201
95	Microgliaâ€“Neuron Communication in Epilepsy. <i>Glia</i> , 2017, 65, 5-18.	2.5	204
96	A calpain inhibitor ameliorates seizure burden in an experimental model of temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2017, 102, 1-10.	2.1	19
97	Nonsteroidal anti-inflammatory drugs in clinical and experimental epilepsy. <i>Epilepsy Research</i> , 2017, 131, 15-27.	0.8	37
98	Altered MT1 and MT2 melatonin receptors expression in the hippocampus of pilocarpine-induced epileptic rats. <i>Epilepsy and Behavior</i> , 2017, 71, 23-34.	0.9	18
99	Directional spread of activity in synaptic networks of the human lateral amygdala. <i>Neuroscience</i> , 2017, 349, 330-340.	1.1	7
100	Susceptibility to hippocampal kindling seizures is increased in aging C57 black mice. <i>IBRO Reports</i> , 2017, 3, 33-44.	0.3	25
101	Prolonged seizure activity causes caspase dependent cleavage and dysfunction of G-protein activated inwardly rectifying potassium channels. <i>Scientific Reports</i> , 2017, 7, 12313.	1.6	16
102	High mobility group box 1 enhances hyperthermia-induced seizures and secondary epilepsy associated with prolonged hyperthermia-induced seizures in developing rats. <i>Metabolic Brain Disease</i> , 2017, 32, 2095-2104.	1.4	17
103	Metabolic correction by pyruvate halts acquired epilepsy in multiple rodent models. <i>Neurobiology of Disease</i> , 2017, 106, 244-254.	2.1	33
104	Seizing Control of KCC2: A New Therapeutic Target for Epilepsy. <i>Trends in Neurosciences</i> , 2017, 40, 555-571.	4.2	140
105	Behavioral changes in models of chemoconvulsant-induced epilepsy: A review. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 83, 373-380.	2.9	17
106	The Role of ERK1/2 Kinases in the Molecular Mechanisms of Regulation of Glutamatergic and GABAergic Neurons during the Development of Convulsive Seizures in Krushinskiâ€“Molodkina Rats. <i>Neuroscience and Behavioral Physiology</i> , 2017, 47, 311-320.	0.2	1
107	Mechanisms of Excessive Extracellular Glutamate Accumulation in Temporal Lobe Epilepsy. <i>Neurochemical Research</i> , 2017, 42, 1724-1734.	1.6	54
108	Antagomirs Targeting MiroRNA-134 Attenuates Epilepsy in Rats through Regulation of Oxidative Stress, Mitochondrial Functions and Autophagy. <i>Frontiers in Pharmacology</i> , 2017, 8, 524.	1.6	22
109	Puzzling Out Synaptic Vesicle 2 Family Members Functions. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 148.	1.4	85
110	Postinfectious Epilepsy. , 2017, , 683-696.		2

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111	Downregulation of KCNMB4 expression and changes in BK channel subtype in hippocampal granule neurons following seizure activity. <i>PLoS ONE</i> , 2017, 12, e0188064.	1.1	21
112	Hippocampal Expression of Connexin36 and Connexin43 during Epileptogenesis in Pilocarpine Model of Epilepsy. <i>Iranian Biomedical Journal</i> , 2017, 21, 167-173.	0.4	11
113	The Pilocarpine Model of Temporal Lobe Epilepsy and EEG Monitoring Using Radiotelemetry System in Mice. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	17
114	Recombinant human erythropoietin protects against brain injury through blunting the mTORC1 pathway in the developing brains of rats with seizures. <i>Life Sciences</i> , 2018, 194, 15-25.	2.0	9
115	Animal models of status epilepticus and temporal lobe epilepsy: a narrative review. <i>Reviews in the Neurosciences</i> , 2018, 29, 757-770.	1.4	39
116	GABA _A excitation and synaptogenesis after Status Epilepticus – A computational study. <i>Scientific Reports</i> , 2018, 8, 4193.	1.6	1
117	Anticonvulsant effect of gentamicin on the seizures induced by kainic acid. <i>Neurological Research</i> , 2018, 40, 45-52.	0.6	3
118	Recombinant Human Erythropoietin Protects Against Hippocampal Damage in Developing Rats with Seizures by Modulating Autophagy via the S6 Protein in a Time-Dependent Manner. <i>Neurochemical Research</i> , 2018, 43, 465-476.	1.6	14
119	Review: Animal models of acquired epilepsy: insights into mechanisms of human epileptogenesis. <i>Neuropathology and Applied Neurobiology</i> , 2018, 44, 112-129.	1.8	121
120	Electrical stimulation of the piriform cortex for the treatment of epilepsy: A review of the supporting evidence. <i>Epilepsy and Behavior</i> , 2018, 88, 152-161.	0.9	20
121	A companion to the preclinical common data elements for pharmacologic studies in animal models of seizures and epilepsy. A Report of the <sc>TASK</sc>3 Pharmacology Working Group of the <sc>ILAE</sc>/<sc>AES</sc> Joint Translational Task Force. <i>Epilepsia Open</i> , 2018, 3, 53-68.	1.3	30
122	Anatomical imaging of the piriform cortex in epilepsy. <i>Experimental Neurology</i> , 2019, 320, 113013.	2.0	25
123	Inhibition of Nwd1 activity attenuates neuronal hyperexcitability and GluN2B phosphorylation in the hippocampus. <i>EBioMedicine</i> , 2019, 47, 470-483.	2.7	25
124	Excitotoxicity, neuroinflammation and oxidant stress as molecular bases of epileptogenesis and epilepsy-derived neurodegeneration: The role of vitamin E. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1098-1112.	1.8	105
125	Structural and functional asymmetry of medial temporal subregions in unilateral temporal lobe epilepsy: A 7T MRI study. <i>Human Brain Mapping</i> , 2019, 40, 2390-2398.	1.9	49
126	Perspective: Therapeutic Potential of Flavonoids as Alternative Medicines in Epilepsy. <i>Advances in Nutrition</i> , 2019, 10, 778-790.	2.9	28
127	Subchronic cerebrolysin treatment alleviates cognitive impairments and dendritic arborization alterations of granular neurons in the hippocampal dentate gyrus of rats with temporal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2019, 97, 96-104.	0.9	9
128	Transplanting GABAergic Neurons Differentiated from Neural Stem Cells into Hippocampus Inhibits Seizures and Epileptiform Discharges in Pilocarpine-Induced Temporal Lobe Epilepsy Model. <i>World Neurosurgery</i> , 2019, 128, e1-e11.	0.7	9

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129	Galangin Prevents Increased Susceptibility to Pentylentetrazol-Stimulated Seizures by Prostaglandin E2. <i>Neuroscience</i> , 2019, 413, 154-168.	1.1	10
130	Hydrogen Alleviates Necroptosis and Cognitive Deficits in Lithium+Pilocarpine Model of Status Epilepticus. <i>Cellular and Molecular Neurobiology</i> , 2019, 39, 857-869.	1.7	18
131	Laser Interstitial Thermal Therapy. , 2019, , 153-176.		1
132	Myricetin attenuates the severity of seizures and neuroapoptosis in pentylentetrazole kindled mice by regulating the of BDNF+TrkB signaling pathway and modulating matrix metalloproteinase+9 and GABAA. <i>Experimental and Therapeutic Medicine</i> , 2019, 17, 3083-3091.	0.8	21
133	Alterations in GABAA-Receptor Trafficking and Synaptic Dysfunction in Brain Disorders. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 77.	1.8	59
134	Hyperthermia+induced seizures followed by repetitive stress are associated with age+dependent changes in specific aspects of the mouse stress system. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12697.	1.2	4
135	Life and death in the hippocampus: What's bad?. <i>Epilepsy and Behavior</i> , 2021, 121, 106595.	0.9	19
136	Risk factors for drug-resistant epilepsy. <i>Medicine (United States)</i> , 2019, 98, e16402.	0.4	81
137	High-frequency oscillations and focal seizures in epileptic rodents. <i>Neurobiology of Disease</i> , 2019, 124, 396-407.	2.1	25
138	Calpain activation and neuronal death during early epileptogenesis. <i>Neurobiology of Disease</i> , 2019, 124, 141-151.	2.1	11
139	Update on temporal lobe+dependent information processing, in health and disease. <i>European Journal of Neuroscience</i> , 2020, 51, 2159-2204.	1.2	15
140	Phosphoproteomic analysis reveals Akt isoform-specific regulation of cytoskeleton proteins in human temporal lobe epilepsy with hippocampal sclerosis. <i>Neurochemistry International</i> , 2020, 134, 104654.	1.9	7
141	Antiepileptic effects of electrical stimulation of the piriform cortex. <i>Experimental Neurology</i> , 2020, 325, 113070.	2.0	9
142	The Impact of the CX3CL1/CX3CR1 Axis in Neurological Disorders. <i>Cells</i> , 2020, 9, 2277.	1.8	98
143	Epileptogenesis-induced changes of hippocampal-piriform connectivity. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020, 81, 1-7.	0.9	4
144	Accurate detection of spontaneous seizures using a generalized linear model with external validation. <i>Epilepsia</i> , 2020, 61, 1906-1918.	2.6	4
146	Functional connectome contractions in temporal lobe epilepsy: Microstructural underpinnings and predictors of surgical outcome. <i>Epilepsia</i> , 2020, 61, 1221-1233.	2.6	65
147	Lysophosphatidic Acid Receptor 1 Specifically Labels Seizure-Induced Hippocampal Reactive Neural Stem Cells and Regulates Their Division. <i>Frontiers in Neuroscience</i> , 2020, 14, 811.	1.4	8

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148	Neurodegenerative pathways as targets for acquired epilepsy therapy development. <i>Epilepsia Open</i> , 2020, 5, 138-154.	1.3	33
149	Transcranial direct current stimulation alleviates seizure severity in kainic acid-induced status epilepticus rats. <i>Experimental Neurology</i> , 2020, 328, 113264.	2.0	10
150	The novel estrogen receptor GPER1 decreases epilepsy severity and susceptibility in the hippocampus after status epilepticus. <i>Neuroscience Letters</i> , 2020, 728, 134978.	1.0	11
151	Modulation of Glucose Availability and Effects of Hypo- and Hyperglycemia on Status Epilepticus: What We Do Not Know Yet?. <i>Molecular Neurobiology</i> , 2021, 58, 505-519.	1.9	7
152	Neuroproteomics in Epilepsy: What Do We Know so Far?. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 604158.	1.4	19
153	Methods for the Induction of Status Epilepticus and Temporal Lobe Epilepsy in Rodents: The Kainic Acid Model and the Pilocarpine Model. <i>NeuroMethods</i> , 2021, , 121-144.	0.2	1
154	The Kainic Acid Models of Temporal Lobe Epilepsy. <i>ENeuro</i> , 2021, 8, ENEURO.0337-20.2021.	0.9	86
155	Increased immunoreactivity of glutamate receptors, neuronal nuclear protein and glial fibrillary acidic protein in the hippocampus of epileptic rats with fast ripple activity. <i>Experimental Brain Research</i> , 2021, 239, 2015-2024.	0.7	1
156	Causal relationship of CA3 back-projection to the dentate gyrus and its role in CA1 fast ripple generation. <i>BMC Neuroscience</i> , 2021, 22, 37.	0.8	6
157	Altered Protein Profiles During Epileptogenesis in the Pilocarpine Mouse Model of Temporal Lobe Epilepsy. <i>Frontiers in Neurology</i> , 2021, 12, 654606.	1.1	9
158	Diurnal burden of spontaneous seizures in early epileptogenesis in the post-kainic acid rat model of epilepsy. <i>Epilepsia Open</i> , 2021, 6, 431-436.	1.3	9
159	Temporal Lobe Epilepsy: What do we understand about protein alterations?. <i>Chemical Biology and Drug Design</i> , 2021, 98, 377-394.	1.5	2
160	SGK1.1 limits brain damage after status epilepticus through M current-dependent and independent mechanisms. <i>Neurobiology of Disease</i> , 2021, 153, 105317.	2.1	4
161	Alive Animal Model for Epilepsy by Intradorsal Striatum Injection of Colchicine. <i>International Journal of Epilepsy</i> , 0, , .	0.5	0
162	Neurotensin receptor 2 is induced in astrocytes and brain endothelial cells in relation to neuroinflammation following pilocarpine-induced seizures in rats. <i>Glia</i> , 2021, 69, 2618-2643.	2.5	8
163	The Role of NMDA Receptors in Epileptogenesis. <i>Neuroscience and Behavioral Physiology</i> , 2021, 51, 793-806.	0.2	0
164	Innate Immunity to Spiral Ganglion Neuron Loss: A Neuroprotective Role of Fractalkine Signaling in Injured Cochlea. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 694292.	1.8	6
165	Exercise-linked consequences on epilepsy. <i>Epilepsy and Behavior</i> , 2021, 121, 108079.	0.9	21

#	ARTICLE	IF	CITATIONS
166	Astrocyte Role in Temporal Lobe Epilepsy and Development of Mossy Fiber Sprouting. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 725693.	1.8	14
167	Low prevalence of amyloid and tau pathology in drug-resistant temporal lobe epilepsy. <i>Epilepsia</i> , 2021, 62, 3058-3067.	2.6	8
168	Interweaving epilepsy and neurodegeneration: Vitamin E as a treatment approach. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112146.	2.5	21
169	Evaluation of the hippocampal immunoreactivity of the serotonin 5-HT1A, 5-HT2 and 5-HT7 receptors in a pilocarpine temporal lobe epilepsy rat model with fast ripples. <i>NeuroReport</i> , 2021, 32, 306-311.	0.6	3
170	Neuroprotective and anticonvulsant effects of sinomenine in kainate rat model of temporal lobe epilepsy: Involvement of oxidative stress, inflammation and pyroptosis. <i>Journal of Chemical Neuroanatomy</i> , 2020, 108, 101800.	1.0	38
171	Applications of global quantitative ¹⁸ F-FDG-PET analysis in temporal lobe epilepsy. <i>Nuclear Medicine Communications</i> , 2016, 37, 223-230.	0.5	19
172	Effects of preconditioning exercise on nitric oxide and antioxidants in hippocampus of epileptic seizure. <i>Journal of Exercise Rehabilitation</i> , 2019, 15, 757-762.	0.4	10
173	STE20/SPS1-Related Proline/Alanine-Rich Kinase Is Involved in Plasticity of GABA Signaling Function in a Mouse Model of Acquired Epilepsy. <i>PLoS ONE</i> , 2013, 8, e74614.	1.1	12
174	Evidence for Status Epilepticus and Pro-Inflammatory Changes after Intranasal Kainic Acid Administration in Mice. <i>PLoS ONE</i> , 2016, 11, e0150793.	1.1	16
175	Mycophenolate mofetil prevents the delayed T cell response after pilocarpine-induced status epilepticus in mice. <i>PLoS ONE</i> , 2017, 12, e0187330.	1.1	10
176	Preclinical evidence of ghrelin as a therapeutic target in epilepsy. <i>Oncotarget</i> , 2017, 8, 59929-59939.	0.8	15
177	GABAB Receptor Blockade Prevents Antiepileptic Action of Ghrelin in the Rat Hippocampus. <i>Advanced Pharmaceutical Bulletin</i> , 2013, 3, 353-8.	0.6	12
178	T2N as a new tool for robust electrophysiological modeling demonstrated for mature and adult-born dentate granule cells. <i>ELife</i> , 2017, 6, .	2.8	38
180	Knowledge atlas of post-traumatic epilepsy research: Based on citespace visualization analysis. <i>Epilepsy Research</i> , 2021, 178, 106790.	0.8	12
181	In vitro Oscillation Patterns Throughout the Hippocampal Formation in a Rodent Model of Epilepsy. <i>Neuroscience</i> , 2021, 479, 1-21.	1.1	6
182	Beneficial Effects of Selective Orexin-A Receptor Antagonist in 4-aminopyridine-induced Seizures in Male Rats. <i>Advanced Biomedical Research</i> , 2017, 6, 162.	0.2	5
184	Translating regenerative medicine techniques for the treatment of epilepsy. <i>Brain Circulation</i> , 2017, 3, 156.	0.7	1
187	Pathogenesis of epilepsy: challenges in animal models. <i>Iranian Journal of Basic Medical Sciences</i> , 2013, 16, 1119-32.	1.0	30

#	ARTICLE	IF	CITATIONS
188	The Anticonvulsant and Antioxidant Effects of Berberine in Kainate-induced Temporal Lobe Epilepsy in Rats. <i>Basic and Clinical Neuroscience</i> , 2014, 5, 124-30.	0.3	34
189	Scorpion ethanol extract and valproic acid effects on hippocampal glial fibrillary acidic protein expression in a rat model of chronic-kindling epilepsy induced by lithium chloride-pilocarpine. <i>Neural Regeneration Research</i> , 2012, 7, 426-33.	1.6	0
190	Lack of Chronic Histologic Lesions Supportive of Sublethal Spontaneous Seizures in FVB/N Mice. <i>Comparative Medicine</i> , 2016, 66, 105-11.	0.4	6
191	A functional hiPSC-cortical neuron differentiation and maturation model and its application to neurological disorders. <i>Stem Cell Reports</i> , 2022, 17, 96-109.	2.3	23
192	Animal Models of Epilepsy: A Phenotype-oriented Review. , 2022, 13, 215.		17
193	Loss of efferent projections of the hippocampal formation in the mouse intrahippocampal kainic acid model. <i>Epilepsy Research</i> , 2022, 180, 106863.	0.8	3
194	Functional Connectivity of the Brain Across Rodents and Humans. <i>Frontiers in Neuroscience</i> , 2022, 16, 816331.	1.4	22
197	Seizures in PPT1 Knock-In Mice Are Associated with Inflammatory Activation of Microglia. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5586.	1.8	5
199	Considering the Role of Extracellular Matrix Molecules, in Particular Reelin, in Granule Cell Dispersion Related to Temporal Lobe Epilepsy. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	3
200	Structural network alterations in focal and generalized epilepsy assessed in a worldwide ENIGMA study follow axes of epilepsy risk gene expression. <i>Nature Communications</i> , 2022, 13, .	5.8	29
201	Reorganization of the Brain Extracellular Matrix in Hippocampal Sclerosis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8197.	1.8	4
202	Characterisation of NLRP3 pathway-related neuroinflammation in temporal lobe epilepsy. <i>PLoS ONE</i> , 2022, 17, e0271995.	1.1	7
203	Neuroprotective Effect of Exogenous Galectin-1 in Status Epilepticus. <i>Molecular Neurobiology</i> , 0, , .	1.9	0
204	Pre- and Post-Endurance Training Mitigates the Rat Pilocarpine-Induced Status Epilepticus and Epileptogenesis-Associated Deleterious Consequences. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13188.	1.8	1
205	From kitchen to clinic: Pharmacotherapeutic potential of common spices in Indian cooking in age-related neurological disorders. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	3
206	Riluzole and novel naphthalenyl substituted aminothiazole derivatives prevent acute neural excitotoxic injury in a rat model of temporal lobe epilepsy. <i>Neuropharmacology</i> , 2023, 224, 109349.	2.0	5
207	Attenuation of initial pilocarpine-induced electrographic seizures by methionine sulfoximine pretreatment tightly correlates with the reduction of extracellular taurine in the hippocampus. <i>Epilepsia</i> , 2023, 64, 1390-1402.	2.6	0
208	Disease-modifying effects of sodium selenate in a model of drug-resistant, temporal lobe epilepsy. <i>ELife</i> , 0, 12, .	2.8	9

#	ARTICLE	IF	CITATIONS
209	Epilepsy and Neurodegeneration. , 2023, , 1-15.		0
210	Inflachromene attenuates seizure severity in mouse epilepsy models via inhibiting HMGB1 translocation. Acta Pharmacologica Sinica, 0, , .	2.8	3