Asla PitkÃ¤nen

List of Publications by Year
in descending order

186 papers	13,285 citations	22153 59 h-index	27406 106 g-index
188 all docs	188 docs citations	188 times ranked	11113 citing authors

#	Article	IF	Citations
1	Reciprocal Connections between the Amygdala and the Hippocampal Formation, Perirhinal Cortex, and Postrhinal Cortex in Rat: A Review. Annals of the New York Academy of Sciences, 2000, 911, 369-391.	3.8	756
2	Is epilepsy a progressive disorder? Prospects for new therapeutic approaches in temporal-lobe epilepsy. Lancet Neurology, The, 2002, 1, 173-181.	10.2	563
3	Amyloid Î²-Induced Neuronal Hyperexcitability Triggers Progressive Epilepsy. Journal of Neuroscience, 2009, 29, 3453-3462.	3.6	545
4	Mechanisms of epileptogenesis and potential treatment targets. Lancet Neurology, The, 2011, 10, 173-186.	10.2	490
5	Projections from the lateral, basal, and accessory basal nuclei of the amygdala to the hippocampal formation in rat. , 1999, 403, 229-260.		351
6	Advances in the development of biomarkers for epilepsy. Lancet Neurology, The, 2016, 15, 843-856.	10.2	283
7	Molecular and cellular basis of epileptogenesis in symptomatic epilepsy. Epilepsy and Behavior, 2009, 14, 16-25.	1.7	262
8	A new model of chronic temporal lobe epilepsy induced by electrical stimulation of the amygdala in rat. Epilepsy Research, 2000, 38, 177-205.	1.6	250
9	Epileptogenesis. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a022822.	6.2	227
10	Intrinsic connections of the rat amygdaloid complex: Projections originating in the lateral nucleus. Journal of Comparative Neurology, 1995, 356, 288-310.	1.6	223
11	Epileptogenesis in Experimental Models. Epilepsia, 2007, 48, 13-20.	5.1	222
12	Identification of new epilepsy treatments: Issues in preclinical methodology. Epilepsia, 2012, 53, 571-582.	5.1	219
13	Epilepsy biomarkers. Epilepsia, 2013, 54, 61-69.	5.1	215
14	Commonalities in epileptogenic processes from different acute brain insults: Do they translate?. Epilepsia, 2018, 59, 37-66.	5.1	206
15	Amygdala damage in experimental and human temporal lobe epilepsy. Epilepsy Research, 1998, 32, 233-253.	1.6	205
16	Past and Present Definitions of Epileptogenesis and Its Biomarkers. Neurotherapeutics, 2014, 11, 231-241.	4.4	198
17	Distribution of parvalbumin, calretinin, and calbindin-D28k immunoreactivity in the rat amygdaloid complex and colocalization with ?-aminobutyric acid. Journal of Comparative Neurology, 2000, 426, 441-467.	1.6	194
18	Progression of neuronal damage after status epilepticus and during spontaneous seizures in a rat model of temporal lobe epilepsy. Progress in Brain Research, 2002, 135, 67-83.	1.4	182

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19	Development of epilepsy after ischaemic stroke. Lancet Neurology, The, 2016, 15, 185-197.	10.2	163
20	Animal Models of Post-Traumatic Epilepsy. Journal of Neurotrauma, 2006, 23, 241-261.	3.4	161
21	Development of Post-Traumatic Epilepsy after Controlled Cortical Impact and Lateral Fluid-Percussion-Induced Brain Injury in the Mouse. Journal of Neurotrauma, 2012, 29, 789-812.	3.4	160
22	Remodeling of neuronal circuitries in human temporal lobe epilepsy: Increased expression of highly polysialylated neural cell adhesion molecule in the hippocampus and the entorhinal cortex. Annals of Neurology, 1998, 44, 923-934.	5.3	155
23	Therapeutic approaches to epileptogenesisâ€"Hope on the horizon. Epilepsia, 2010, 51, 2-17.	5.1	151
24	Cyclicity of spontaneous recurrent seizures in pilocarpine model of temporal lobe epilepsy in rat. Experimental Neurology, 2007, 205, 501-505.	4.1	149
25	Neuropeptide Y gene therapy decreases chronic spontaneous seizures in a rat model of temporal lobe epilepsy. Brain, 2008, 131, 1506-1515.	7.6	146
26	Progression of Brain Damage after Status Epilepticus and Its Association with Epileptogenesis: A Quantitative MRI Study in a Rat Model of Temporal Lobe Epilepsy. Epilepsia, 2004, 45, 1024-1034.	5.1	132
27	From traumatic brain injury to posttraumatic epilepsy: What animal models tell us about the process and treatment options. Epilepsia, 2009, 50, 21-29.	5.1	131
28	Quantitative diffusion MRI of hippocampus as a surrogate marker for post-traumatic epileptogenesis. Brain, 2007, 130, 3155-3168.	7.6	129
29	Epilepsy Related to Traumatic Brain Injury. Neurotherapeutics, 2014, 11, 286-296.	4.4	120
30	Administration of diazepam during status epilepticus reduces development and severity of epilepsy in rat. Epilepsy Research, 2005, 63, 27-42.	1.6	117
31	Epilepsy biomarkers â€" Toward etiology and pathology specificity. Neurobiology of Disease, 2019, 123, 42-58.	4.4	117
32	cDNA profiling of epileptogenesis in the rat brain. European Journal of Neuroscience, 2003, 17, 271-279.	2.6	113
33	Projections from the lateral nucleus to the basal nucleus of the amygdala: A light and electron microscopic PHA-L study in the rat. Journal of Comparative Neurology, 1992, 323, 586-601.	1.6	111
34	Distribution of parvalbumin-immunoreactive cells and fibers in the human amygdaloid complex. Journal of Comparative Neurology, 1995, 360, 185-212.	1.6	111
35	Loss of hippocampal interneurons and epileptogenesis: a comparison of two animal models of acquired epilepsy. Brain Structure and Function, 2015, 220, 153-191.	2.3	108
36	The challenge and promise of anti-epileptic therapy development in animal models. Lancet Neurology, The, 2014, 13, 949-960.	10.2	101

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37	Is mossy fiber sprouting present at the time of the first spontaneous seizures in rat experimental temporal lobe epilepsy?. Hippocampus, 2001, 11, 299-310.	1.9	98
38	Quantitative MRI predicts long-term structural and functional outcome after experimental traumatic brain injury. NeuroImage, 2009, 45, 1-9.	4.2	97
39	Spontaneous epileptiform discharges in a mouse model of Alzheimer's disease are suppressed by antiepileptic drugs that block sodium channels. Epilepsy Research, 2011, 94, 75-85.	1.6	96
40	Opportunities for improving animal welfare in rodent models of epilepsy and seizures. Journal of Neuroscience Methods, 2016, 260, 2-25.	2.5	93
41	Long-lasting blood-brain barrier dysfunction and neuroinflammation after traumatic brain injury. Neurobiology of Disease, 2020, 145, 105080.	4.4	92
42	Etiology matters â€“ Genomic DNA Methylation Patterns in Three Rat Models of Acquired Epilepsy. Scientific Reports, 2016, 6, 25668.	3.3	87
43	Issues related to development of antiepileptogenic therapies. Epilepsia, 2013, 54, 35-43.	5.1	86
44	Precipitationâ€based extracellular vesicle isolation from rat plasma coâ€precipitate vesicleâ€free microRNAs. Journal of Extracellular Vesicles, 2019, 8, 1555410.	12.2	84
45	Finding a better drug for epilepsy: Antiepileptogenesis targets. Epilepsia, 2012, 53, 1868-1876.	5.1	82
46	Epilepsy priorities in Europe: A report of the <scp>ILAE</scp>â€<scp>IBE</scp> Epilepsy Advocacy Europe Task Force. Epilepsia, 2015, 56, 1687-1695.	5.1	81
47	Association of Chronic Vascular Changes with Functional Outcome after Traumatic Brain Injury in Rats. Journal of Neurotrauma, 2010, 27, 2203-2219.	3.4	76
48	Distribution of parvalbumin-immunoreactive cells and fibers in the monkey temporal lobe: The hippocampal formation. Journal of Comparative Neurology, 1993, 331, 37-74.	1.6	74
49	Status Epilepticus in 12-day-old Rats Leads to Temporal Lobe Neurodegeneration and Volume Reduction: A Histologic and MRI Study. Epilepsia, 2006, 47, 479-488.	5.1	74
50	Epileptogenesis-related genes revisited. Progress in Brain Research, 2006, 158, 223-241.	1.4	73
51	Distribution of parvalbumin-immunoreactive cells and fibers in the monkey temporal lobe: The amygdaloid complex. Journal of Comparative Neurology, 1993, 331, 14-36.	1.6	72
52	Distinct MRI pattern in lesional and perilesional area after traumatic brain injury in rat â€” 11Âmonths follow-up. Experimental Neurology, 2009, 215, 29-40.	4.1	72
53	Association of the severity of cortical damage with the occurrence of spontaneous seizures and hyperexcitability in an animal model of posttraumatic epilepsy. Epilepsy Research, 2010, 90, 47-59.	1.6	72
54	Intrinsic connections of the rat amygdaloid complex: Projections originating in the accessory basal nucleus. , 1996, 374, 291-313.		71

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55	Drug-mediated neuroprotection and antiepileptogenesis. Neurology, 2002, 59, S27-33.	1.1	71
56	Expression of GABA receptor subunits in the hippocampus and thalamus after experimental traumatic brain injury. Neuropharmacology, 2015, 88, 122-133.	4.1	70
57	Biomarkers for epileptogenesis and its treatment. Neuropharmacology, 2020, 167, 107735.	4.1	70
58	Diffusion tensor MRI of axonal plasticity in the rat hippocampus. NeuroImage, 2010, 51, 521-530.	4.2	69
59	Posttraumatic epilepsy. Current Opinion in Neurology, 2010, 23, 183-188.	3.6	64
60	Magnetic Resonance Imaging of Regional Hemodynamic and Cerebrovascular Recovery after Lateral Fluid-Percussion Brain Injury in Rats. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 166-177.	4.3	64
61	Diffusion tensor imaging detects chronic microstructural changes in white and gray matter after traumatic brain injury in rat. Frontiers in Neuroscience, 2015, 9, 128.	2.8	64
62	Tiagabine prevents seizures, neuronal damage and memory impairment in experimental status epilepticus. European Journal of Pharmacology, 1996, 299, 69-81.	3.5	63
63	Antiepileptic drugs in neuroprotection. Expert Opinion on Pharmacotherapy, 2004, 5, 777-798.	1.8	62
64	Analysis of Post-Traumatic Brain Injury Gene Expression Signature Reveals Tubulins, Nfe2l2, Nfkb, Cd44 and S100a4 as Treatment Targets. Scientific Reports, 2016, 6, 31570.	3.3	60
65	Cystatin C modulates neurodegeneration and neurogenesis following status epilepticus in mouse. Neurobiology of Disease, 2005, 20, 241-253.	4.4	59
66	MRI volumetry of the hippocampus, amygdala, entorhinal cortex, and perirhinal cortex after status epilepticus. Epilepsy Research, 2000, 40, 155-170.	1.6	58
67	Association Between the Density of Mossy Fiber Sprouting and Seizure Frequency in Experimental and Human Temporal Lobe Epilepsy. Epilepsia, 2000, 41, S24-S29.	5.1	58
68	Preclinical common data elements (<scp>CDE</scp>s) for epilepsy: A joint <scp>ILAE</scp>/<scp>AES</scp> and <scp>NINDS</scp> translational initiative. Epilepsia Open, 2018, 3, 9-12.	2.4	57
69	Amino Acid Levels in the Cerebrospinal Fluid of Newly Diagnosed Epileptic Patients: Effect of Vigabatrin and Carbamazepine Monotherapies. Journal of Neurochemistry, 1993, 60, 1244-1250.	3.9	55
70	Distribution of calbindin-D28kimmunoreactivity in the monkey temporal lobe: The amygdaloid complex. Journal of Comparative Neurology, 1993, 331, 199-224.	1.6	54
71	Decreased Resting Functional Connectivity after Traumatic Brain Injury in the Rat. PLoS ONE, 2014, 9, e95280.	2.5	54
72	Identification of clinically relevant biomarkers of epileptogenesis â€" a strategic roadmap. Nature Reviews Neurology, 2021, 17, 231-242.	10.1	54

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73	Quantitative MRI volumetry of the entorhinal cortex in temporal lobe epilepsy. Seizure: the Journal of the British Epilepsy Association, 2000, 9, 208-215.	2.0	53
74	Manganese-enhanced magnetic resonance imaging of mossy fiber plasticity in vivo. NeuroImage, 2006, 30, 130-135.	4.2	53
75	MRI Biomarkers for Post-Traumatic Epileptogenesis. Journal of Neurotrauma, 2013, 30, 1305-1309.	3.4	53
76	Long-term functional consequences of transient occlusion of the middle cerebral artery in rats:. Epilepsy Research, 2003, 54, 1-10.	1.6	52
77	Research priorities in epilepsy for the next decadeâ€"A representative view of the European scientific community: Summary of the ILAE Epilepsy Research Workshop, Brussels, 17â€"18 January 2008. Epilepsia, 2009, 50, 571-578.	5.1	52
78	Anti-epileptogenesis in rodent post-traumatic epilepsy models. Neuroscience Letters, 2011, 497, 163-171.	2.1	51
79	Diffusion tensor imaging of hippocampal network plasticity. Brain Structure and Function, 2015, 220, 781-801.	2.3	51
80	Distribution of reduced nicotinamide adenine dinucleotide phosphate diaphorase (NADPHâ€d) cells and fibers in the monkey amygdaloid complex. Journal of Comparative Neurology, 1991, 313, 326-348.	1.6	50
81	Diffusion tensor MRI with tract-based spatial statistics and histology reveals undiscovered lesioned areas in kainate model of epilepsy in rat. Brain Structure and Function, 2011, 216, 123-135.	2.3	50
82	Dynamics of PDGFRÎ² expression in different cell types after brain injury. Glia, 2017, 65, 322-341.	4.9	49
83	Atipamezole, an Î±2-adrenoceptor antagonist, has disease modifying effects on epileptogenesis in rats. Epilepsy Research, 2004, 61, 119-140.	1.6	48
84	Transcriptional profile of hippocampal dentate granule cells in four rat epilepsy models. Scientific Data, 2017, 4, 170061.	5.3	47
85	Projections from the periamygdaloid cortex to the amygdaloid complex, the hippocampal formation, and the parahippocampal region: A PHA-L study in the rat. Hippocampus, 2003, 13, 922-942.	1.9	46
86	Quantitative T2 mapping as a potential marker for the initial assessment of the severity of damage after traumatic brain injury in rat. Experimental Neurology, 2009, 217, 154-164.	4.1	45
87	Standardization procedure for plasma biomarker analysis in rat models of epileptogenesis: Focus on circulating microRNAs. Epilepsia, 2017, 58, 2013-2024.	5.1	45
88	Epilepsy therapy development: Technical and methodologic issues in studies with animal models. Epilepsia, 2013, 54, 13-23.	5.1	44
89	Disease-modifying effect of atipamezole in a model of post-traumatic epilepsy. Epilepsy Research, 2017, 136, 18-34.	1.6	44
90	Neural ECM and epilepsy. Progress in Brain Research, 2014, 214, 229-262.	1.4	43

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91	Urokinase-Type Plasminogen Activator Receptor Modulates Epileptogenesis in Mouse Model of Temporal Lobe Epilepsy. Molecular Neurobiology, 2013, 47, 914-937.	4.0	41
92	Posttraumatic epilepsy â€" Disease or comorbidity?. Epilepsy and Behavior, 2014, 38, 19-24.	1.7	41
93	GABAA-Mediated Toxicity of Hippocampal Neurons In Vitro. Journal of Neurochemistry, 2002, 74, 2445-2454.	3.9	40
94	Upregulation of Cystatin C Expression in the Rat Hippocampus During Epileptogenesis in the Amygdala Stimulation Model of Temporal Lobe Epilepsy. Epilepsia, 2002, 43, 137-145.	5.1	40
95	miR-124-3p is a chronic regulator of gene expression after brain injury. Cellular and Molecular Life Sciences, 2018, 75, 4557-4581.	5.4	40
96	Epileptogenesis after Experimental Focal Cerebral Ischemia. Neurochemical Research, 2005, 30, 1529-1542.	3.3	39
97	Detection of calcifications in vivo and ex vivo after brain injury in rat using SWIFT. NeuroImage, 2012, 61, 761-772.	4.2	39
98	Increased expression and activity of urokinase-type plasminogen activator during epileptogenesis. European Journal of Neuroscience, 2006, 24, 1935-1945.	2.6	36
99	Projections from the amygdalo-piriform transition area to the amygdaloid complex: A PHA-l study in rat. Journal of Comparative Neurology, 2001, 432, 440-465.	1.6	35
100	Molecular biomarkers of epileptogenesis. Biomarkers in Medicine, 2011, 5, 629-633.	1.4	35
101	Monitoring Functional Impairment and Recovery after Traumatic Brain Injury in Rats by fMRI. Journal of Neurotrauma, 2013, 30, 546-556.	3.4	35
102	Common data elements and data management: Remedy to cure underpowered preclinical studies. Epilepsy Research, 2017, 129, 87-90.	1.6	35
103	A long-term video-EEG and behavioral follow-up after endothelin-1 induced middle cerebral artery occlusion in rats. Epilepsy Research, 2006, 72, 25-38.	1.6	33
104	Postinjury weight rather than cognitive or behavioral impairment predicts development of posttraumatic epilepsy after lateral fluidâ€percussion injury in rats. Epilepsia, 2020, 61, 2035-2052.	5.1	33
105	Traumatic Brain Injury Increases the Expression of Nos1, AÎ² Clearance, and Epileptogenesis in APP/PS1 Mouse Model of Alzheimerâ€™s Disease. Molecular Neurobiology, 2016, 53, 7010-7027.	4.0	32
106	Generalized Seizures after Experimental Traumatic Brain Injury Occur at the Transition from Slow-Wave to Rapid Eye Movement Sleep. Journal of Neurotrauma, 2017, 34, 1482-1487.	3.4	31
107	Transcription factors Tp73, Cebpd, Pax6, and Spi1 rather than DNA methylation regulate chronic transcriptomics changes after experimental traumatic brain injury. Acta Neuropathologica Communications, 2018, 6, 17.	5.2	28
108	Analytic Tools for Post-traumatic Epileptogenesis Biomarker Search in Multimodal Dataset of an Animal Model and Human Patients. Frontiers in Neuroinformatics, 2018, 12, 86.	2.5	28

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109	Harmonization of lateral fluid-percussion injury model production and post-injury monitoring in a preclinical multicenter biomarker discovery study on post-traumatic epileptogenesis. Epilepsy Research, 2019, 151, 7-16.	1.6	28
110	Administration of Vigabatrin (?-Vinyl-?-Aminobutyric Acid) Affects the Levels of Both Inhibitory and Excitatory Amino Acids in Rat Cerebrospinal Fluid. Journal of Neurochemistry, 1990, 55, 1870-1874.	3.9	27
111	Unfolded Maps for Quantitative Analysis of Cortical Lesion Location and Extent after Traumatic Brain Injury. Journal of Neurotrauma, 2017, 34, 459-474.	3.4	27
112	Acute Non-Convulsive Status Epilepticus after Experimental Traumatic Brain Injury in Rats. Journal of Neurotrauma, 2019, 36, 1890-1907.	3.4	27
113	WONOEP appraisal: Imaging biomarkers in epilepsy. Epilepsia, 2017, 58, 315-330.	5.1	26
114	Harmonization of pipeline for preclinical multicenter MRI biomarker discovery in a rat model of post-traumatic epileptogenesis. Epilepsy Research, 2019, 150, 46-57.	1.6	25
115	Selective changes in gamma-aminobutyric acid type A receptor subunits in the hippocampus in spontaneously seizing rats with chronic temporal lobe epilepsy. Neuroscience Letters, 2003, 349, 58-62.	2.1	24
116	Reduction of epileptiform activity by valproic acid in a mouse model of Alzheimer's disease is not long-lasting after treatment discontinuation. Epilepsy Research, 2015, 112, 43-55.	1.6	24
117	Harmonization of the pipeline for seizure detection to phenotype post-traumatic epilepsy in a preclinical multicenter study on post-traumatic epileptogenesis. Epilepsy Research, 2019, 156, 106131.	1.6	24
118	Increased expression of miR142 and miR155 in glial and immune cells after traumatic brain injury may contribute to neuroinflammation via astrocyte activation. Brain Pathology, 2020, 30, 897-912.	4.1	23
119	Plasma miR-9-3p and miR-136-3p as Potential Novel Diagnostic Biomarkers for Experimental and Human Mild Traumatic Brain Injury. International Journal of Molecular Sciences, 2021, 22, 1563.	4.1	23
120	Meta-Analysis of MicroRNAs Dysregulated in the Hippocampal Dentate Gyrus of Animal Models of Epilepsy. ENeuro, 2017, 4, ENEURO.0152-17.2017.	1.9	23
121	Effect of lacosamide on structural damage and functional recovery after traumatic brain injury in rats. Epilepsy Research, 2014, 108, 653-665.	1.6	22
122	Chronically dysregulated NOTCH1 interactome in the dentate gyrus after traumatic brain injury. PLoS ONE, 2017, 12, e0172521.	2.5	22
123	Detection of Hyperexcitability by Functional Magnetic Resonance Imaging after Experimental Traumatic Brain Injury. Journal of Neurotrauma, 2018, 35, 2708-2717.	3.4	22
124	Posttraumatic Epilepsy Induced by Lateral Fluid-Percussion Brain Injury in Rats. , 2006, , 465-476.		21
125	Multimodal MRI assessment of damage and plasticity caused by status epilepticus in the rat brain. Epilepsia, 2011, 52, 57-60.	5.1	21
126	Common data elements for preclinical epilepsy research: Standards for data collection and reporting. A <scp>TASK</scp>3 report of the <scp>AES</scp>/<scp>ILAE</scp> Translational Task Force of the ILAE. Epilepsia, 2017, 58, 78-86.	5.1	21

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127	Effect of Vigabatrin on the Electroencephalogram in Rats. Epilepsia, 1992, 33, 122-127.	5.1	20
128	Ex vivo MR microimaging of neuronal damage after kainate-induced status epilepticus in rat: Correlation with quantitative histology. Magnetic Resonance in Medicine, 2001, 46, 946-954.	3.0	20
129	New Insight on the Mechanisms of Epileptogenesis in the Developing Brain. Advances and Technical Standards in Neurosurgery, 2012, 39, 3-44.	0.5	20
130	Big data sharing and analysis to advance research in post-traumatic epilepsy. Neurobiology of Disease, 2019, 123, 127-136.	4.4	20
131	Chronic Regulation of miR-124-3p in the Perilesional Cortex after Experimental and Human TBI. International Journal of Molecular Sciences, 2020, 21, 2418.	4.1	20
132	Urokinase-type plasminogen activator regulates neurodegeneration and neurogenesis but not vascular changes in the mouse hippocampus after status epilepticus. Neurobiology of Disease, 2010, 37, 692-703.	4.4	19
133	Epileptogenesis after traumatic brain injury in Plau-deficient mice. Epilepsy and Behavior, 2015, 51, 19-27.	1.7	19
134	Urokinase-type plasminogen activator deficiency has little effect on seizure susceptibility and acquired epilepsy phenotype but reduces spontaneous exploration in mice. Epilepsy and Behavior, 2015, 42, 117-128.	1.7	19
135	Extracellular Vesicles as Diagnostics and Therapeutics for Structural Epilepsies. International Journal of Molecular Sciences, 2019, 20, 1259.	4.1	19
136	Ex Vivo Tracing of NMDA and GABA-A Receptors in Rat Brain After Traumatic Brain Injury Using ¹⁸F-GE-179 and ¹⁸F-GE-194 Autoradiography. Journal of Nuclear Medicine, 2016, 57, 1442-1447.	5.0	18
137	Algorithm for automatic detection of spontaneous seizures in rats with post-traumatic epilepsy. Journal of Neuroscience Methods, 2018, 307, 37-45.	2.5	18
138	Elevated cerebral blood flow and vascular density in the amygdala after status epilepticus in rats. Neuroscience Letters, 2010, 484, 39-42.	2.1	17
139	Gender issues in antiepileptogenic treatments. Neurobiology of Disease, 2014, 72, 224-232.	4.4	17
140	Epileptogenesis after traumatic brain injury in Plaur- deficient mice. Epilepsy and Behavior, 2016, 60, 187-196.	1.7	17
141	Advancing research toward faster diagnosis, better treatment, and end of stigma in epilepsy. Epilepsia, 2019, 60, 1281-1292.	5.1	17
142	Harmonization of pipeline for preclinical multicenter plasma protein and miRNA biomarker discovery in a rat model of post-traumatic epileptogenesis. Epilepsy Research, 2019, 149, 92-101.	1.6	17
143	T-cell infiltration into the perilesional cortex is long-lasting and associates with poor somatomotor recovery after experimental traumatic brain injury. Restorative Neurology and Neuroscience, 2018, 36, 485-501.	0.7	16
144	Implantable RF-coil with multiple electrodes for long-term EEG-fMRI monitoring in rodents. Journal of Neuroscience Methods, 2016, 274, 154-163.	2.5	15

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145	Harmonization of pipeline for detection of HFOs in a rat model of post-traumatic epilepsy in preclinical multicenter study on post-traumatic epileptogenesis. Epilepsy Research, 2019, 156, 106110.	1.6	15
146	Early Increase in Cortical T₂ Relaxation Is a Prognostic Biomarker for the Evolution of Severe Cortical Damage, but Not for Epileptogenesis, after Experimental Traumatic Brain Injury. Journal of Neurotrauma, 2020, 37, 2580-2594.	3.4	15
147	Elevated Acute Plasma miR-124-3p Level Relates to Evolution of Larger Cortical Lesion Area after Traumatic Brain Injury. Neuroscience, 2020, 433, 21-35.	2.3	15
148	Visualization of thalamic calcium influx with quantitative susceptibility mapping as a potential imaging biomarker for repeated mild traumatic brain injury. NeuroImage, 2019, 200, 250-258.	4.2	14
149	Acute thalamic damage as a prognostic biomarker for postâ€traumatic epileptogenesis. Epilepsia, 2021, 62, 1852-1864.	5.1	14
150	Novel Approaches to Prevent Epileptogenesis After Traumatic Brain Injury. Neurotherapeutics, 2021, 18, 1582-1601.	4.4	14
151	Preface. Progress in Brain Research, 2014, 214, xiii-xvii.	1.4	13
152	MRS Reveals Chronic Inflammation in T2w MRI-Negative Perilesional Cortex â€“ A 6-Months Multimodal Imaging Follow-Up Study. Frontiers in Neuroscience, 2019, 13, 863.	2.8	13
153	Deficiency of urokinase-type plasminogen activator and its receptor affects social behavior and increases seizure susceptibility. Epilepsy Research, 2019, 151, 67-74.	1.6	12
154	Epilepsy After Traumatic Brain Injury. , 2017, , 661-681.		11
155	Biomarkers for posttraumatic epilepsy. Epilepsy and Behavior, 2021, 121, 107080.	1.7	11
156	Neurodegeneration and neuroprotective strategies after traumatic brain injury. Drug Discovery Today Disease Mechanisms, 2005, 2, 409-418.	0.8	10
157	Dynamics of clusterin protein expression in the brain and plasma following experimental traumatic brain injury. Scientific Reports, 2019, 9, 20208.	3.3	10
158	In Vitro and In Vivo Pipeline for Validation of Disease-Modifying Effects of Systems Biology-Derived Network Treatments for Traumatic Brain Injuryâ€”Lessons Learned. International Journal of Molecular Sciences, 2019, 20, 5395.	4.1	9
159	Status Epilepticus: Electrical Stimulation Models. , 2006, , 449-464.		8
160	Are Alterations in Transmitter Receptor and Ion Channel Expression Responsible for Epilepsies?. Advances in Experimental Medicine and Biology, 2014, 813, 211-229.	1.6	8
161	Preface - Practical and theoretical considerations for performing a multi-center preclinical biomarker discovery study of post-traumatic epileptogenesis: lessons learned from the EpiBioS4Rx consortium. Epilepsy Research, 2019, 156, 106080.	1.6	8
162	The novel antiepileptic agent RWJ-333369-A, but not its analog RWJ-333369, reduces regional cerebral edema without affecting neurobehavioral outcome or cell death following experimental traumatic brain injury. Restorative Neurology and Neuroscience, 2007, 25, 77-90.	0.7	8

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163	Transfer RNA-Derived Fragments and isomiRs Are Novel Components of Chronic TBI-Induced Neuropathology. Biomedicines, 2022, 10, 136.	3.2	8
164	Convolutional Neural Networks Enable Robust Automatic Segmentation of the Rat Hippocampus in MRI After Traumatic Brain Injury. Frontiers in Neurology, 2022, 13, 820267.	2.4	8
165	Post-injury ventricular enlargement associates with iron in choroid plexus but not with seizure susceptibility nor lesion atrophyâ€"6-month MRI follow-up after experimental traumatic brain injury. Brain Structure and Function, 2022, 227, 145-158.	2.3	7
166	A web-based application for generating 2D-unfolded cortical maps to analyze the location and extent of cortical lesions following traumatic brain injury in adult rats. Journal of Neuroscience Methods, 2018, 308, 330-336.	2.5	6
167	Reorganization of Thalamic Inputs to Lesioned Cortex Following Experimental Traumatic Brain Injury. International Journal of Molecular Sciences, 2021, 22, 6329.	4.1	6
168	Targeting Oxidative Stress with Antioxidant Duotherapy after Experimental Traumatic Brain Injury. International Journal of Molecular Sciences, 2021, 22, 10555.	4.1	6
169	Peripheral Infection after Traumatic Brain Injury Augments Excitability in the Perilesional Cortex and Dentate Gyrus. Biomedicines, 2021, 9, 1946.	3.2	6
170	Decreased levels of active <scp>uPA</scp> and <scp>KLK</scp>8 assessed by [¹¹¹In]<scp>MICA</scp>â€401 binding correlate with the seizure burden in an animal model of temporal lobe epilepsy. Epilepsia, 2017, 58, 1615-1625.	5.1	5
171	Informatics tools to assess the success of procedural harmonization in preclinical multicenter biomarker discovery study on post-traumatic epileptogenesis. Epilepsy Research, 2019, 150, 17-26.	1.6	5
172	Projections from the lateral, basal, and accessory basal nuclei of the amygdala to the hippocampal formation in rat. Journal of Comparative Neurology, 1999, 403, 229-260.	1.6	5
173	Seizure Susceptibility and Sleep Disturbance as Biomarkers of Epileptogenesis after Experimental TBI. Biomedicines, 2022, 10, 1138.	3.2	5
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