David C Henshall

List of Publications by Citations

199 papers	8,270 citations	48 h-index	83 g-index
210 ext. papers	9,752 ext. citations	6.2 avg, IF	6.15 L-index

#	Paper	IF	Citations
199	Increased hippocampal neurogenesis in Alzheimer's disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 343-7	11.5	824
198	Silencing microRNA-134 produces neuroprotective and prolonged seizure-suppressive effects. *Nature Medicine*, **2012**, 18, 1087-94	50.5	345
197	To die or not to die for neurons in ischemia, traumatic brain injury and epilepsy: a review on the stress-activated signaling pathways and apoptotic pathways. *Progress in Neurobiology*, **2003**, 69, 103-42	10.9	250
196	Endotoxin preconditioning prevents cellular inflammatory response during ischemic neuroprotection in mice. *Stroke*, **2004**, 35, 2576-81	6.7	196
195	Neuroprotective actions of FK506 in experimental stroke: in vivo evidence against an antiexcitotoxic mechanism. *Journal of Neuroscience*, **1997**, 17, 6939-46	6.6	190
194	CREB-mediated Bcl-2 protein expression after ischemic preconditioning. *Journal of Cerebral Blood Flow and Metabolism*, **2005**, 25, 234-46	7.3	184
193	Activation of Bcl-2-associated death protein and counter-response of Akt within cell populations during seizure-induced neuronal death. *Journal of Neuroscience*, **2002**, 22, 8458-65	6.6	158
192	miRNA Expression profile after status epilepticus and hippocampal neuroprotection by targeting miR-132. *American Journal of Pathology*, **2011**, 179, 2519-32	5.8	153
191	Epilepsy and apoptosis pathways. *Journal of Cerebral Blood Flow and Metabolism*, **2005**, 25, 1557-72	7.3	153
190	Seizure suppression and neuroprotection by targeting the purinergic P2X7 receptor during status epilepticus in mice. *FASEB Journal*, **2012**, 26, 1616-28	0.9	135
189	MicroRNAs in epilepsy: pathophysiology and clinical utility. *Lancet Neurology, The*, **2016**, 15, 1368-1376	24.1	132
188	Endotoxin preconditioning protects against the cytotoxic effects of TNFalpha after stroke: a novel role for TNFalpha in LPS-ischemic tolerance. *Journal of Cerebral Blood Flow and Metabolism*, **2007**, 27, 1663-74	7.3	128
187	Involvement of caspase-3-like protease in the mechanism of cell death following focally evoked limbic seizures. *Journal of Neurochemistry*, **2000**, 74, 1215-23	6	108
186	Differential DNA methylation profiles of coding and non-coding genes define hippocampal sclerosis in human temporal lobe epilepsy. *Brain*, **2015**, 138, 616-31	11.2	105
185	Unilateral hippocampal CA3-predominant damage and short latency epileptogenesis after intra-amygdala microinjection of kainic acid in mice. *Brain Research*, **2008**, 1213, 140-51	3.7	103
184	Induction of oxidative DNA damage in the peri-infarct region after permanent focal cerebral ischemia. *Journal of Neurochemistry*, **2000**, 75, 1716-28	6	101
183	Neuroinflammatory targets and treatments for epilepsy validated in experimental models. *Epilepsia*, **2017**, 58 Suppl 3, 27-38	6.4	96

182	Increased neocortical expression of the P2X7 receptor after status epilepticus and anticonvulsant effect of P2X7 receptor antagonist A-438079. *Epilepsia*, **2013**, 54, 1551-61	6.4	96
181	Cleavage of bid may amplify caspase-8-induced neuronal death following focally evoked limbic seizures. *Neurobiology of Disease*, **2001**, 8, 568-80	7.5	93
180	MicroRNA and epilepsy: profiling, functions and potential clinical applications. *Current Opinion in Neurology*, **2014**, 27, 199-205	7.1	92
179	Epilepsy and microRNA. *Neuroscience*, **2013**, 238, 218-29	3.9	90
178	Activation of poly(ADP-ribose) polymerase in the rat hippocampus may contribute to cellular recovery following sublethal transient global ischemia. *Journal of Neurochemistry*, **2000**, 74, 1636-45	6	90
177	Transient P2X7 Receptor Antagonism Produces Lasting Reductions in Spontaneous Seizures and Gliosis in Experimental Temporal Lobe Epilepsy. *Journal of Neuroscience*, **2016**, 36, 5920-32	6.6	89
176	Reduced mature microRNA levels in association with dicer loss in human temporal lobe epilepsy with hippocampal sclerosis. *PLoS ONE*, **2012**, 7, e35921	3.7	89
175	Differential DNA methylation patterns define status epilepticus and epileptic tolerance. *Journal of Neuroscience*, **2012**, 32, 1577-88	6.6	86
174	Antagomirs targeting microRNA-134 increase hippocampal pyramidal neuron spine volume in vivo and protect against pilocarpine-induced status epilepticus. *Brain Structure and Function*, **2015**, 220, 2387-99	4	78
173	Formation of a tumour necrosis factor receptor 1 molecular scaffolding complex and activation of apoptosis signal-regulating kinase 1 during seizure-induced neuronal death. *European Journal of Neuroscience*, **2003**, 17, 2065-76	3.5	77
172	Bim regulation may determine hippocampal vulnerability after injurious seizures and in temporal lobe epilepsy. *Journal of Clinical Investigation*, **2004**, 113, 1059-1068	15.9	77
171	CHOP regulates the p53-MDM2 axis and is required for neuronal survival after seizures. *Brain*, **2013**, 136, 577-92	11.2	74
170	Expression profiling the microRNA response to epileptic preconditioning identifies miR-184 as a modulator of seizure-induced neuronal death. *Experimental Neurology*, **2012**, 237, 346-54	5.7	71
169	microRNA targeting of the P2X7 purinoceptor opposes a contralateral epileptogenic focus in the hippocampus. *Scientific Reports*, **2015**, 5, 17486	4.9	67
168	Characterization of neuronal death induced by focally evoked limbic seizures in the C57BL/6 mouse. *Journal of Neuroscience Research*, **2002**, 69, 614-21	4.4	67
167	Expression of death-associated protein kinase and recruitment to the tumor necrosis factor signaling pathway following brief seizures. *Journal of Neurochemistry*, **2003**, 86, 1260-70	6	63
166	Cerebrospinal fluid microRNAs are potential biomarkers of temporal lobe epilepsy and status epilepticus. *Scientific Reports*, **2017**, 7, 3328	4.9	62
165	Hippocampal transcriptome after status epilepticus in mice rendered seizure damage-tolerant by epileptic preconditioning features suppressed calcium and neuronal excitability pathways. *Neurobiology of Disease*, **2008**, 32, 442-53	7.5	62

164	Endoplasmic reticulum stress and apoptosis signaling in human temporal lobe epilepsy. *Journal of Neuropathology and Experimental Neurology*, **2006**, 65, 217-25	3.1	61
163	ATPergic signalling during seizures and epilepsy. *Neuropharmacology*, **2016**, 104, 140-53	5.5	60
162	Cell signaling underlying epileptic behavior. *Frontiers in Behavioral Neuroscience*, **2011**, 5, 45	3.5	57
161	LifeTime and improving European healthcare through cell-based interceptive medicine. *Nature*, **2020**, 587, 377-386	50.4	56
160	The Epigenetics of Epilepsy and Its Progression. *Neuroscientist*, **2018**, 24, 186-200	7.6	55
159	A microRNA-129-5p/Rbfox crosstalk coordinates homeostatic downscaling of excitatory synapses. *EMBO Journal*, **2017**, 36, 1770-1787	13	54
158	In vivo contributions of BH3-only proteins to neuronal death following seizures, ischemia, and traumatic brain injury. *Journal of Cerebral Blood Flow and Metabolism*, **2011**, 31, 1196-210	7.3	53
157	Reduced hippocampal damage and epileptic seizures after status epilepticus in mice lacking proapoptotic Puma. *FASEB Journal*, **2010**, 24, 853-61	0.9	53
156	Formation of the base modification 8-hydroxyl-2Pdeoxyguanosine and DNA fragmentation following seizures induced by systemic kainic acid in the rat. *Journal of Neurochemistry*, **2000**, 74, 302-9	6	53
155	Apoptosis, Bcl-2 family proteins and caspases: the ABCs of seizure-damage and epileptogenesis?. *International Journal of Physiology, Pathophysiology and Pharmacology*, **2009**, 1, 97-115	3.4	53
154	Epigenetics and Epilepsy. *Cold Spring Harbor Perspectives in Medicine*, **2015**, 5,	5.4	51
153	Bcl-w protects hippocampus during experimental status epilepticus. *American Journal of Pathology*, **2007**, 171, 1258-68	5.8	48
152	Dual-center, dual-platform microRNA profiling identifies potential plasma biomarkers of adult temporal lobe epilepsy. *EBioMedicine*, **2018**, 38, 127-141	8.8	48
151	IgG leakage may contribute to neuronal dysfunction in drug-refractory epilepsies with blood-brain barrier disruption. *Journal of Neuropathology and Experimental Neurology*, **2012**, 71, 826-38	3.1	47
150	Bim regulation may determine hippocampal vulnerability after injurious seizures and in temporal lobe epilepsy. *Journal of Clinical Investigation*, **2004**, 113, 1059-68	15.9	47
149	Contribution of apoptosis-associated signaling pathways to epileptogenesis: lessons from Bcl-2 family knockouts. *Frontiers in Cellular Neuroscience*, **2013**, 7, 110	6.1	46
148	P2X7 receptor inhibition interrupts the progression of seizures in immature rats and reduces hippocampal damage. *CNS Neuroscience and Therapeutics*, **2014**, 20, 556-64	6.8	45
147	NMDA receptor-mediated excitotoxic neuronal apoptosis in vitro and in vivo occurs in an ER stress and PUMA independent manner. *Journal of Neurochemistry*, **2008**, 105, 891-903	6	45

146	Microarray profile of seizure damage-refractory hippocampal CA3 in a mouse model of epileptic preconditioning. *Neuroscience*, **2007**, 150, 467-77	3.9	45
145	Convulsant doses of a dopamine D1 receptor agonist result in Erk-dependent increases in Zif268 and Arc/Arg3.1 expression in mouse dentate gyrus. *PLoS ONE*, **2011**, 6, e19415	3.7	44
144	Modulators of neuronal cell death in epilepsy. *Current Opinion in Pharmacology*, **2008**, 8, 75-81	5.1	44
143	Elevation in plasma tRNA fragments precede seizures in human epilepsy. *Journal of Clinical Investigation*, **2019**, 129, 2946-2951	15.9	44
142	Potent Anti-seizure Effects of Locked Nucleic Acid Antagomirs Targeting miR-134 in Multiple Mouse and Rat Models of Epilepsy. *Molecular Therapy - Nucleic Acids*, **2017**, 6, 45-56	10.7	43
141	MicroRNAs in the pathophysiology and treatment of status epilepticus. *Frontiers in Molecular Neuroscience*, **2013**, 6, 37	6.1	43
140	microRNA and Epilepsy. *Advances in Experimental Medicine and Biology*, **2015**, 888, 41-70	3.6	42
139	Development of a model of seizure-induced hippocampal injury with features of programmed cell death in the BALB/c mouse. *Journal of Neuroscience Research*, **2004**, 76, 121-8	4.4	42
138	Increased expression of microRNA-29a in ALS mice: functional analysis of its inhibition. *Journal of Molecular Neuroscience*, **2014**, 53, 231-41	3.3	41
137	MicroRNA-Mediated Downregulation of the Potassium Channel Kv4.2 Contributes to Seizure Onset. *Cell Reports*, **2016**, 17, 37-45	10.6	41
136	Upregulation of mitochondrial base-excision repair capability within rat brain after brief ischemia. *Journal of Cerebral Blood Flow and Metabolism*, **2003**, 23, 88-98	7.3	40
135	"TORNADO" - Theranostic One-Step RNA Detector; microfluidic disc for the direct detection of microRNA-134 in plasma and cerebrospinal fluid. *Scientific Reports*, **2017**, 7, 1750	4.9	39
134	P2X receptors as targets for the treatment of status epilepticus. *Frontiers in Cellular Neuroscience*, **2013**, 7, 237	6.1	39
133	Death-associated protein kinase expression in human temporal lobe epilepsy. *Annals of Neurology*, **2004**, 55, 485-94	9.4	39
132	Neurodevelopmental alterations and seizures developed by mouse model of infantile hypophosphatasia are associated with purinergic signalling deregulation. *Human Molecular Genetics* , **2016**, 25, 4143-4156	5.6	39
131	Effects of hypoxia-induced neonatal seizures on acute hippocampal injury and later-life seizure susceptibility and anxiety-related behavior in mice. *Neurobiology of Disease*, **2015**, 83, 100-14	7.5	38
130	Bax regulates neuronal Ca2+ homeostasis. *Journal of Neuroscience*, **2015**, 35, 1706-22	6.6	38
129	Identification of a novel Bcl-2-interacting mediator of cell death (Bim) E3 ligase, tripartite motif-containing protein 2 (TRIM2), and its role in rapid ischemic tolerance-induced neuroprotection. *Journal of Biological Chemistry*, **2011**, 286, 19331-9	5.4	38

128	Isoform- and subcellular fraction-specific differences in hippocampal 14-3-3 levels following experimentally evoked seizures and in human temporal lobe epilepsy. *Journal of Neurochemistry*, **2006**, 99, 561-9	6	38
127	Caspase-3 cleavage and nuclear localization of caspase-activated DNase in human temporal lobe epilepsy. *Journal of Cerebral Blood Flow and Metabolism*, **2006**, 26, 583-9	7.3	38
126	Caspase-2 activation is redundant during seizure-induced neuronal death. *Journal of Neurochemistry*, **2001**, 77, 886-95	6	38
125	Proteins and microRNAs are differentially expressed in tear fluid from patients with Alzheimer's disease. *Scientific Reports*, **2019**, 9, 15437	4.9	37
124	Critical Evaluation of P2X7 Receptor Antagonists in Selected Seizure Models. *PLoS ONE*, **2016**, 11, e0156168	3.7	36
123	Experimental neonatal status epilepticus and the development of temporal lobe epilepsy with unilateral hippocampal sclerosis. *American Journal of Pathology*, **2010**, 176, 330-42	5.8	35
122	Transgenic overexpression of 14-3-3 zeta protects hippocampus against endoplasmic reticulum stress and status epilepticus in vivo. *PLoS ONE*, **2013**, 8, e54491	3.7	35
121	P2X7 receptor in epilepsy; role in pathophysiology and potential targeting for seizure control. *International Journal of Physiology, Pathophysiology and Pharmacology*, **2012**, 4, 174-87	3.4	35
120	Bok Is Not Pro-Apoptotic But Suppresses Poly ADP-Ribose Polymerase-Dependent Cell Death Pathways and Protects against Excitotoxic and Seizure-Induced Neuronal Injury. *Journal of Neuroscience*, **2016**, 36, 4564-78	6.6	35
119	Depletion of 14-3-3 zeta elicits endoplasmic reticulum stress and cell death, and increases vulnerability to kainate-induced injury in mouse hippocampal cultures. *Journal of Neurochemistry*, **2008**, 106, 978-88	6	34
118	Involvement of microRNAs in epileptogenesis. *Epilepsia*, **2016**, 57, 1015-26	6.4	33
117	EpimiRBase: a comprehensive database of microRNA-epilepsy associations. *Bioinformatics*, **2016**, 32, 1436-8	7.2	33
116	Protective neuronal induction of ATF5 in endoplasmic reticulum stress induced by status epilepticus. *Brain*, **2013**, 136, 1161-76	11.2	33
115	MicroRNAs as regulators of brain function and targets for treatment of epilepsy. *Nature Reviews Neurology*, **2020**, 16, 506-519	15	32
114	Dopamine D1 vs D5 receptor-dependent induction of seizures in relation to DARPP-32, ERK1/2 and GluR1-AMPA signalling. *Neuropharmacology*, **2008**, 54, 1051-61	5.5	32
113	Subcellular distribution of Bcl-2 family proteins and 14-3-3 within the hippocampus during seizure-induced neuronal death in the rat. *Neuroscience Letters*, **2004**, 356, 163-6	3.3	32
112	Mutation of Semaphorin-6A disrupts limbic and cortical connectivity and models neurodevelopmental psychopathology. *PLoS ONE*, **2011**, 6, e26488	3.7	32
111	P2X purinoceptors as a link between hyperexcitability and neuroinflammation in status epilepticus. *Epilepsy and Behavior*, **2015**, 49, 8-12	3.2	31

110	Evidence of tumor necrosis factor receptor 1 signaling in human temporal lobe epilepsy. *Experimental Neurology*, **2006**, 202, 410-20	5.7	31
109	Bcl-w expression is increased in brain regions affected by focal cerebral ischemia in the rat. *Neuroscience Letters*, **2000**, 279, 193-5	3.3	30
108	Spatio-temporal profile of DNA fragmentation and its relationship to patterns of epileptiform activity following focally evoked limbic seizures. *Brain Research*, **2000**, 858, 290-302	3.7	29
107	microRNAs in the pathophysiology of epilepsy. *Neuroscience Letters*, **2018**, 667, 47-52	3.3	28
106	Elevated p53 and lower MDM2 expression in hippocampus from patients with intractable temporal lobe epilepsy. *Epilepsy Research*, **2007**, 77, 151-6	3	27
105	Expression and differential processing of caspases 6 and 7 in relation to specific epileptiform EEG patterns following limbic seizures. *Neurobiology of Disease*, **2002**, 10, 71-87	7.5	27
104	Spatio-temporally restricted blood-brain barrier disruption after intra-amygdala kainic acid-induced status epilepticus in mice. *Epilepsy Research*, **2013**, 103, 167-79	3	26
103	Expression, interaction, and proteolysis of death-associated protein kinase and p53 within vulnerable and resistant hippocampal subfields following seizures. *Hippocampus*, **2004**, 14, 326-36	3.5	26
102	Relationship between seizure-induced transcription of the DNA damage-inducible gene GADD45, DNA fragmentation, and neuronal death in focally evoked limbic epilepsy. *Journal of Neurochemistry*, **1999**, 73, 1573-83	6	25
101	Kainic acid-induced seizures modulate Akt (SER473) phosphorylation in the hippocampus of dopamine D2 receptor knockout mice. *Journal of Molecular Neuroscience*, **2013**, 49, 202-10	3.3	24
100	BH3-only protein Bid is dispensable for seizure-induced neuronal death and the associated nuclear accumulation of apoptosis-inducing factor. *Journal of Neurochemistry*, **2010**, 115, 92-101	6	23
99	High Throughput qPCR Expression Profiling of Circulating MicroRNAs Reveals Minimal Sex- and Sample Timing-Related Variation in Plasma of Healthy Volunteers. *PLoS ONE*, **2015**, 10, e0145316	3.7	23
98	Seizure preconditioning and epileptic tolerance: models and mechanisms. *International Journal of Physiology, Pathophysiology and Pharmacology*, **2009**, 1, 180-191	3.4	23
97	Elevated Plasma microRNA-206 Levels Predict Cognitive Decline and Progression to Dementia from Mild Cognitive Impairment. *Biomolecules*, **2019**, 9,	5.9	23
96	Expression and function of the metabotropic purinergic P2Y receptor family in experimental seizure models and patients with drug-refractory epilepsy. *Epilepsia*, **2017**, 58, 1603-1614	6.4	22
95	miRNA-Mediated Regulation of Adult Hippocampal Neurogenesis; Implications for Epilepsy. *Brain Plasticity*, **2017**, 3, 43-59	3.5	22
94	Hippocampal damage after intra-amygdala kainic acid-induced status epilepticus and seizure preconditioning-mediated neuroprotection in SJL mice. *Epilepsy Research*, **2010**, 88, 151-61	3	22
93	Interaction of 14-3-3 with Bid during seizure-induced neuronal death. *Journal of Neurochemistry*, **2003**, 86, 460-9	6	22

92	Effects of P2X7 receptor antagonists on hypoxia-induced neonatal seizures in mice. *Neuropharmacology*, **2017**, 116, 351-363	5.5	21
91	Targeting microRNA-134 for seizure control and disease modification in epilepsy. *EBioMedicine*, **2019**, 45, 646-654	8.8	20
90	Identification of clinically relevant biomarkers of epileptogenesis - a strategic roadmap. *Nature Reviews Neurology*, **2021**, 17, 231-242	15	20
89	Context-Specific Switch from Anti- to Pro-epileptogenic Function of the P2Y Receptor in Experimental Epilepsy. *Journal of Neuroscience*, **2019**, 39, 5377-5392	6.6	19
88	A systems approach delivers a functional microRNA catalog and expanded targets for seizure suppression in temporal lobe epilepsy. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 15977-15988	11.5	19
87	Precise Targeting of miRNA Sites Restores CFTR Activity in CF Bronchial Epithelial Cells. *Molecular Therapy*, **2020**, 28, 1190-1199	11.7	19
86	Discovery and validation of blood microRNAs as molecular biomarkers of epilepsy: Ways to close current knowledge gaps. *Epilepsia Open*, **2018**, 3, 427-436	4	19
85	Antagonizing Increased Levels at the Chronic Stage of Experimental TLE Reduces Spontaneous Recurrent Seizures. *Journal of Neuroscience*, **2019**, 39, 5064-5079	6.6	18
84	Expression, proteolysis and activation of caspases 6 and 7 during rat C6 glioma cell apoptosis. *Neuroscience Letters*, **2002**, 324, 33-6	3.3	18
83	Antagomirs and microRNA in status epilepticus. *Epilepsia*, **2013**, 54 Suppl 6, 17-9	6.4	17
82	A calcium-sensitive feed-forward loop regulating the expression of the ATP-gated purinergic P2X7 receptor via specificity protein 1 and microRNA-22. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2017**, 1864, 255-266	4.9	17
81	Increased Bcl-w expression following focally evoked limbic seizures in the rat. *Neuroscience Letters*, **2001**, 305, 153-6	3.3	17
80	Mitochondrial localization of the forkhead box class O transcription factor FOXO3a in brain. *Journal of Neurochemistry*, **2013**, 124, 749-56	6	16
79	Bi-directional genetic modulation of GSK-3β exacerbates hippocampal neuropathology in experimental status epilepticus. *Cell Death and Disease*, **2018**, 9, 969	9.8	16
78	Bcl-2 homology domain 3-only proteins Puma and Bim mediate the vulnerability of CA1 hippocampal neurons to proteasome inhibition in vivo. *European Journal of Neuroscience*, **2011**, 33, 401-8	3.5	15
77	Dysregulation of Specialized Delay/Interference-Dependent Working Memory Following Loss of Dysbindin-1A in Schizophrenia-Related Phenotypes. *Neuropsychopharmacology*, **2017**, 42, 1349-1360	8.7	14
76	Altered Biogenesis and MicroRNA Content of Hippocampal Exosomes Following Experimental Status Epilepticus. *Frontiers in Neuroscience*, **2019**, 13, 1404	5.1	14
75	Transcriptional Response of Polycomb Group Genes to Status Epilepticus in Mice is Modified by Prior Exposure to Epileptic Preconditioning. *Frontiers in Neurology*, **2015**, 6, 46	4.1	14

74	Hsp27 binding to the 3′UTR of bim mRNA prevents neuronal death during oxidative stress-induced injury: a novel cytoprotective mechanism. *Molecular Biology of the Cell*, **2014**, 25, 3413-23	3.5	14
73	Genome-wide microRNA profiling of plasma from three different animal models identifies biomarkers of temporal lobe epilepsy. *Neurobiology of Disease*, **2020**, 144, 105048	7.5	14
72	Complex spectrum of phenobarbital effects in a mouse model of neonatal hypoxia-induced seizures. *Scientific Reports*, **2018**, 8, 9986	4.9	14
71	Can genes modify stroke outcome and by what mechanisms?. *Stroke*, **2012**, 43, 286-91	6.7	13
70	Effects of transient focal cerebral ischemia in mice deficient in puma. *Neuroscience Letters*, **2009**, 451, 237-40	3.3	13
69	MicroRNA-22 Controls Aberrant Neurogenesis and Changes in Neuronal Morphology After Status Epilepticus. *Frontiers in Molecular Neuroscience*, **2018**, 11, 442	6.1	13
68	Manipulating MicroRNAs in Murine Models: Targeting the Multi-Targeting in Epilepsy. *Epilepsy Currents*, **2017**, 17, 43-47	1.3	12
67	Spared CA1 pyramidal neuron function and hippocampal performance following antisense knockdown of microRNA-134. *Epilepsia*, **2018**, 59, 1518-1526	6.4	12
66	Direct, non-amplified detection of microRNA-134 in plasma from epilepsy patients. *RSC Advances*, **2015**, 5, 90071-90078	3.7	12
65	RNA sequencing of synaptic and cytoplasmic Upf1-bound transcripts supports contribution of nonsense-mediated decay to epileptogenesis. *Scientific Reports*, **2017**, 7, 41517	4.9	11
64	Spatiotemporal progression of ubiquitin-proteasome system inhibition after status epilepticus suggests protective adaptation against hippocampal injury. *Molecular Neurodegeneration*, **2017**, 12, 21	19	11
63	Advancing research toward faster diagnosis, better treatment, and end of stigma in epilepsy. *Epilepsia*, **2019**, 60, 1281-1292	6.4	11
62	Haploinsufficient TNAP Mice Display Decreased Extracellular ATP Levels and Expression of Pannexin-1 Channels. *Frontiers in Pharmacology*, **2018**, 9, 170	5.6	11
61	Elevated serum Bcl-2 in children with temporal lobe epilepsy. *Seizure: the Journal of the British Epilepsy Association*, **2012**, 21, 250-3	3.2	11
60	Proteomic analysis of 14-3-3 zeta binding proteins in the mouse hippocampus. *International Journal of Physiology, Pathophysiology and Pharmacology*, **2012**, 4, 74-83	3.4	11
59	Epigenetics and noncoding RNA: Recent developments and future therapeutic opportunities. *European Journal of Paediatric Neurology*, **2020**, 24, 30-34	3.8	11
58	MicroRNAs as biomarkers and treatment targets in status epilepticus. *Epilepsy and Behavior*, **2019**, 101, 106272	3.2	10
57	Detection of 14-3-3zeta in cerebrospinal fluid following experimentally evoked seizures. *Biomarkers*, **2008**, 13, 377-84	2.6	10

56	Expression of neurogenesis genes in human temporal lobe epilepsy with hippocampal sclerosis. *International Journal of Physiology, Pathophysiology and Pharmacology*, **2011**, 3, 38-47	3.4	10
55	Genetic deletion of microRNA-22 blunts the inflammatory transcriptional response to status epilepticus and exacerbates epilepsy in mice. *Molecular Brain*, **2020**, 13, 114	4.5	10
54	Elevated blood purine levels as a biomarker of seizures and epilepsy. *Epilepsia*, **2021**, 62, 817-828	6.4	10
53	Electrical stimulation of the ventral hippocampal commissure delays experimental epilepsy and is associated with altered microRNA expression. *Brain Stimulation*, **2019**, 12, 1390-1401	5.1	8
52	Comparison of short-term effects of midazolam and lorazepam in the intra-amygdala kainic acid model of status epilepticus in mice. *Epilepsy and Behavior*, **2015**, 51, 191-8	3.2	8
51	Bi-lateral changes to hippocampal cholesterol levels during epileptogenesis and in chronic epilepsy following focal-onset status epilepticus in mice. *Brain Research*, **2012**, 1480, 81-90	3.7	8
50	RNA-sequencing analysis of umbilical cord plasma microRNAs from healthy newborns. *PLoS ONE*, **2018**, 13, e0207952	3.7	8
49	The Anti-inflammatory Compound Candesartan Cilexetil Improves Neurological Outcomes in a Mouse Model of Neonatal Hypoxia. *Frontiers in Immunology*, **2019**, 10, 1752	8.4	7
48	Poststatus Epilepticus Models: Focal Kainic Acid **2017**, 611-624		7
47	Epigenetics explained: a topic "primer" for the epilepsy community by the ILAE Genetics/Epigenetics Task Force. *Epileptic Disorders*, **2020**, 22, 127-141	1.9	7
46	High concordance between hippocampal transcriptome of the mouse intra-amygdala kainic acid model and human temporal lobe epilepsy. *Epilepsia*, **2020**, 61, 2795-2810	6.4	7
45	Temporally Altered miRNA Expression in a Piglet Model of Hypoxic Ischemic Brain Injury. *Molecular Neurobiology*, **2020**, 57, 4322-4344	6.2	7
44	Systemic delivery of antagomirs during blood-brain barrier disruption is disease-modifying in experimental epilepsy. *Molecular Therapy*, **2021**, 29, 2041-2052	11.7	7
43	Epigenetic changes in status epilepticus. *Epilepsia*, **2018**, 59 Suppl 2, 82-86	6.4	7
42	CHD2-Related CNS Pathologies. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	7
41	Tubby-like protein 1 (Tulp1) is a target of microRNA-134 and is down-regulated in experimental epilepsy. *International Journal of Physiology, Pathophysiology and Pharmacology*, **2017**, 9, 178-187	3.4	6
40	Cell Death and Survival Mechanisms after Single and Repeated Brief Seizures **2012**, 362-376		6
39	Enrichment of Circular RNA Expression Deregulation at the Transition to Recurrent Spontaneous Seizures in Experimental Temporal Lobe Epilepsy. *Frontiers in Genetics*, **2021**, 12, 627907	4.5	6

38	Epilepsy Benchmarks Area III: Improved Treatment Options for Controlling Seizures and Epilepsy-Related Conditions Without Side Effects. *Epilepsy Currents*, **2020**, 20, 23S-30S	1.3	5
37	Suppression of TNF receptor-1 signaling in an in vitro model of epileptic tolerance. *International Journal of Physiology, Pathophysiology and Pharmacology*, **2011**, 3, 120-32	3.4	5
36	Quantification of tRNA fragments by electrochemical direct detection in small volume biofluid samples. *Scientific Reports*, **2020**, 10, 7516	4.9	5
35	Regulatory Mechanisms of the RNA Modification mA and Significance in Brain Function in Health and Disease. *Frontiers in Cellular Neuroscience*, **2021**, 15, 671932	6.1	5
34	Opportunities and challenges for microRNA-targeting therapeutics for epilepsy. *Trends in Pharmacological Sciences*, **2021**, 42, 605-616	13.2	5
33	Overexpression of 14-3-3 Increases Brain Levels of C/EBP Homologous Protein CHOP. *Journal of Molecular Neuroscience*, **2015**, 56, 255-62	3.3	4
32	Electroencephalographic and behavioral convulsant effects of hydrobromide and hydrochloride salts of bupropion in conscious rodents. *Neuropsychiatric Disease and Treatment*, **2009**, 5, 189-206	3.1	4
31	Bilateral intranigral NMDA infusion suppresses neuronal injury without affecting the duration of kainic acid-induced seizures in rats. *Neuroscience Letters*, **1998**, 251, 69-71	3.3	4
30	Systemic delivery of selective EP1 and EP3 receptor antagonists attenuates pentylenetetrazole-induced seizures in mice. *International Journal of Physiology, Pathophysiology and Pharmacology*, **2018**, 10, 47-59	3.4	4
29	Epigenetic principles underlying epileptogenesis and epilepsy syndromes. *Neurobiology of Disease*, **2021**, 148, 105179	7.5	4
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