

David C Henshall

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	AntimiR targeting of microRNA-134 reduces seizures in a mouse model of Angelman syndrome.. <i>Molecular Therapy - Nucleic Acids</i> , 2022 , 28, 514-529	10.7	1
198	Microvascular stabilization via blood-brain barrier regulation prevents seizure activity.. <i>Nature Communications</i> , 2022 , 13, 2003	17.4	2
197	Electrochemiluminescent detection of epilepsy biomarker miR-134 using a metal complex light switch.. <i>Bioelectrochemistry</i> , 2022 , 146, 108150	5.6	
196	Life-span characterization of epilepsy and comorbidities in Dravet syndrome mice carrying a targeted deletion of exon 1 of the Scn1a gene.. <i>Experimental Neurology</i> , 2022 , 354, 114090	5.7	0
195	BICS01 Mediates Reversible Anti-seizure Effects in Brain Slice Models of Epilepsy.. <i>Frontiers in Neurology</i> , 2021 , 12, 791608	4.1	
194	Regulatory Mechanisms of the RNA Modification mA and Significance in Brain Function in Health and Disease. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 671932	6.1	5
193	Systemic delivery of antagomirs during blood-brain barrier disruption is disease-modifying in experimental epilepsy. <i>Molecular Therapy</i> , 2021 , 29, 2041-2052	11.7	7
192	Epigenetic principles underlying epileptogenesis and epilepsy syndromes. <i>Neurobiology of Disease</i> , 2021 , 148, 105179	7.5	4
191	Enrichment of Circular RNA Expression Dereglulation at the Transition to Recurrent Spontaneous Seizures in Experimental Temporal Lobe Epilepsy. <i>Frontiers in Genetics</i> , 2021 , 12, 627907	4.5	6
190	Elevated blood purine levels as a biomarker of seizures and epilepsy. <i>Epilepsia</i> , 2021 , 62, 817-828	6.4	10
189	Identification of clinically relevant biomarkers of epileptogenesis - a strategic roadmap. <i>Nature Reviews Neurology</i> , 2021 , 17, 231-242	15	20
188	Predictive modelling of hypoxic ischaemic encephalopathy risk following perinatal asphyxia. <i>Heliyon</i> , 2021 , 7, e07411	3.6	0
187	Opportunities and challenges for microRNA-targeting therapeutics for epilepsy. <i>Trends in Pharmacological Sciences</i> , 2021 , 42, 605-616	13.2	5
186	Circulating P2X7 Receptor Signaling Components as Diagnostic Biomarkers for Temporal Lobe Epilepsy. <i>Cells</i> , 2021 , 10,	7.9	1
185	Antagomir-mediated suppression of microRNA-134 reduces kainic acid-induced seizures in immature mice. <i>Scientific Reports</i> , 2021 , 11, 340	4.9	4
184	CHD2-Related CNS Pathologies. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
183	Meeting report: EpiXchange II brings together European epilepsy research projects to discuss latest advances. <i>Epilepsy Research</i> , 2021 , 178, 106811	3	0

182	MicroRNAs as regulators of brain function and targets for treatment of epilepsy. <i>Nature Reviews Neurology</i> , 2020 , 16, 506-519	15	32
181	Generation of twelve induced pluripotent stem cell lines from two healthy controls and two patients with sporadic amyotrophic lateral sclerosis. <i>Stem Cell Research</i> , 2020 , 44, 101752	1.6	
180	Polyadenylation of mRNA as a novel regulatory mechanism of gene expression in temporal lobe epilepsy. <i>Brain</i> , 2020 , 143, 2139-2153	11.2	2
179	A systems approach delivers a functional microRNA catalog and expanded targets for seizure suppression in temporal lobe epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 15977-15988	11.5	19
178	Precise Targeting of miRNA Sites Restores CFTR Activity in CF Bronchial Epithelial Cells. <i>Molecular Therapy</i> , 2020 , 28, 1190-1199	11.7	19
177	Epilepsy Benchmarks Area III: Improved Treatment Options for Controlling Seizures and Epilepsy-Related Conditions Without Side Effects. <i>Epilepsy Currents</i> , 2020 , 20, 23S-30S	1.3	5
176	Epigenetics explained: a topic "primer" for the epilepsy community by the ILAE Genetics/Epigenetics Task Force. <i>Epileptic Disorders</i> , 2020 , 22, 127-141	1.9	7
175	Genome-wide microRNA profiling of plasma from three different animal models identifies biomarkers of temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2020 , 144, 105048	7.5	14
174	High concordance between hippocampal transcriptome of the mouse intra-amygdala kainic acid model and human temporal lobe epilepsy. <i>Epilepsia</i> , 2020 , 61, 2795-2810	6.4	7
173	Quantification of tRNA fragments by electrochemical direct detection in small volume biofluid samples. <i>Scientific Reports</i> , 2020 , 10, 7516	4.9	5
172	LifeTime and improving European healthcare through cell-based interceptive medicine. <i>Nature</i> , 2020 , 587, 377-386	50.4	56
171	Temporally Altered miRNA Expression in a Piglet Model of Hypoxic Ischemic Brain Injury. <i>Molecular Neurobiology</i> , 2020 , 57, 4322-4344	6.2	7
170	P2X7 Receptor-Dependent microRNA Expression Profile in the Brain Following Status Epilepticus in Mice. <i>Frontiers in Molecular Neuroscience</i> , 2020 , 13, 127	6.1	2
169	Genetic deletion of microRNA-22 blunts the inflammatory transcriptional response to status epilepticus and exacerbates epilepsy in mice. <i>Molecular Brain</i> , 2020 , 13, 114	4.5	10
168	Epigenetics and noncoding RNA: Recent developments and future therapeutic opportunities. <i>European Journal of Paediatric Neurology</i> , 2020 , 24, 30-34	3.8	11
167	Generation of six induced pluripotent stem cell (iPSC) lines from two patients with amyotrophic lateral sclerosis (NUIGi043-A, NUIGi043-B, NUIGi043-C, NUIGi044-A, NUIGi044-B, NUIGi044-C). <i>Stem Cell Research</i> , 2019 , 40, 101558	1.6	2
166	Brain delivery of a virus to block seizures helps mice get a silent NACHT. <i>EBioMedicine</i> , 2019 , 47, 8-9	8.8	
165	Advancing research toward faster diagnosis, better treatment, and end of stigma in epilepsy. <i>Epilepsia</i> , 2019 , 60, 1281-1292	6.4	11

164	Electrical stimulation of the ventral hippocampal commissure delays experimental epilepsy and is associated with altered microRNA expression. <i>Brain Stimulation</i> , 2019 , 12, 1390-1401	5.1	8
163	MicroRNAs as biomarkers and treatment targets in status epilepticus. <i>Epilepsy and Behavior</i> , 2019 , 101, 106272	3.2	10
162	Antagonizing Increased Levels at the Chronic Stage of Experimental TLE Reduces Spontaneous Recurrent Seizures. <i>Journal of Neuroscience</i> , 2019 , 39, 5064-5079	6.6	18
161	Context-Specific Switch from Anti- to Pro-epileptogenic Function of the P2Y Receptor in Experimental Epilepsy. <i>Journal of Neuroscience</i> , 2019 , 39, 5377-5392	6.6	19
160	Altered Biogenesis and MicroRNA Content of Hippocampal Exosomes Following Experimental Status Epilepticus. <i>Frontiers in Neuroscience</i> , 2019 , 13, 1404	5.1	14
159	GABA Regulation of Burst Firing in Hippocampal Astrocyte Neural Circuit: A Biophysical Model. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 335	6.1	3
158	Targeting microRNA-134 for seizure control and disease modification in epilepsy. <i>EBioMedicine</i> , 2019 , 45, 646-654	8.8	20
157	The Anti-inflammatory Compound Candesartan Cilexetil Improves Neurological Outcomes in a Mouse Model of Neonatal Hypoxia. <i>Frontiers in Immunology</i> , 2019 , 10, 1752	8.4	7
156	Proteins and microRNAs are differentially expressed in tear fluid from patients with Alzheimer's disease. <i>Scientific Reports</i> , 2019 , 9, 15437	4.9	37
155	Elevation in plasma tRNA fragments precede seizures in human epilepsy. <i>Journal of Clinical Investigation</i> , 2019 , 129, 2946-2951	15.9	44
154	Elevated Plasma microRNA-206 Levels Predict Cognitive Decline and Progression to Dementia from Mild Cognitive Impairment. <i>Biomolecules</i> , 2019 , 9,	5.9	23
153	The Epigenetics of Epilepsy and Its Progression. <i>Neuroscientist</i> , 2018 , 24, 186-200	7.6	55
152	microRNAs in the pathophysiology of epilepsy. <i>Neuroscience Letters</i> , 2018 , 667, 47-52	3.3	28
151	Haploinsufficient TNAP Mice Display Decreased Extracellular ATP Levels and Expression of Pannexin-1 Channels. <i>Frontiers in Pharmacology</i> , 2018 , 9, 170	5.6	11
150	Spared CA1 pyramidal neuron function and hippocampal performance following antisense knockdown of microRNA-134. <i>Epilepsia</i> , 2018 , 59, 1518-1526	6.4	12
149	Systemic delivery of selective EP1 and EP3 receptor antagonists attenuates pentylentetrazole-induced seizures in mice. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2018 , 10, 47-59	3.4	4
148	Profiling of Argonaute-2-loaded microRNAs in a mouse model of frontotemporal dementia with parkinsonism-17. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2018 , 10, 172-183	3.4	2
147	Could miR-134 be a marker of ionizing radiation toxicity?. <i>Non-coding RNA Investigation</i> , 2018 , 2, 24-24	0.6	

146	Dual-center, dual-platform microRNA profiling identifies potential plasma biomarkers of adult temporal lobe epilepsy. <i>EBioMedicine</i> , 2018 , 38, 127-141	8.8	48
145	MicroRNA-22 Controls Aberrant Neurogenesis and Changes in Neuronal Morphology After Status Epilepticus. <i>Frontiers in Molecular Neuroscience</i> , 2018 , 11, 442	6.1	13
144	RNA-sequencing analysis of umbilical cord plasma microRNAs from healthy newborns. <i>PLoS ONE</i> , 2018 , 13, e0207952	3.7	8
143	Bi-directional genetic modulation of GSK-3 β exacerbates hippocampal neuropathology in experimental status epilepticus. <i>Cell Death and Disease</i> , 2018 , 9, 969	9.8	16
142	Discovery and validation of blood microRNAs as molecular biomarkers of epilepsy: Ways to close current knowledge gaps. <i>Epilepsia Open</i> , 2018 , 3, 427-436	4	19
141	Epigenetic changes in status epilepticus. <i>Epilepsia</i> , 2018 , 59 Suppl 2, 82-86	6.4	7
140	Complex spectrum of phenobarbital effects in a mouse model of neonatal hypoxia-induced seizures. <i>Scientific Reports</i> , 2018 , 8, 9986	4.9	14
139	RNA sequencing of synaptic and cytoplasmic Upf1-bound transcripts supports contribution of nonsense-mediated decay to epileptogenesis. <i>Scientific Reports</i> , 2017 , 7, 41517	4.9	11
138	Effects of P2X7 receptor antagonists on hypoxia-induced neonatal seizures in mice. <i>Neuropharmacology</i> , 2017 , 116, 351-363	5.5	21
137	Spatiotemporal progression of ubiquitin-proteasome system inhibition after status epilepticus suggests protective adaptation against hippocampal injury. <i>Molecular Neurodegeneration</i> , 2017 , 12, 21	19	11
136	Proteomic Analysis After Status Epilepticus Identifies UCHL1 as Protective Against Hippocampal Injury. <i>Neurochemical Research</i> , 2017 , 42, 2033-2054	4.6	3
135	A microRNA-129-5p/Rbfox crosstalk coordinates homeostatic downscaling of excitatory synapses. <i>EMBO Journal</i> , 2017 , 36, 1770-1787	13	54
134	Cerebrospinal fluid microRNAs are potential biomarkers of temporal lobe epilepsy and status epilepticus. <i>Scientific Reports</i> , 2017 , 7, 3328	4.9	62
133	"TORNADO" - Theranostic One-Step RNA Detector; microfluidic disc for the direct detection of microRNA-134 in plasma and cerebrospinal fluid. <i>Scientific Reports</i> , 2017 , 7, 1750	4.9	39
132	Potent Anti-seizure Effects of Locked Nucleic Acid Antagomirs Targeting miR-134 in Multiple Mouse and Rat Models of Epilepsy. <i>Molecular Therapy - Nucleic Acids</i> , 2017 , 6, 45-56	10.7	43
131	Dysregulation of Specialized Delay/Interference-Dependent Working Memory Following Loss of Dysbindin-1A in Schizophrenia-Related Phenotypes. <i>Neuropsychopharmacology</i> , 2017 , 42, 1349-1360	8.7	14
130	Focally Applied Chemoconvulsants 2017 , 513-527		
129	Manipulating MicroRNAs in Murine Models: Targeting the Multi-Targeting in Epilepsy. <i>Epilepsy Currents</i> , 2017 , 17, 43-47	1.3	12

128	Deletion of the BH3-only protein Noxa alters electrographic seizures but does not protect against hippocampal damage after status epilepticus in mice. <i>Cell Death and Disease</i> , 2017 , 8, e2556	9.8	1
127	Neuroinflammatory targets and treatments for epilepsy validated in experimental models. <i>Epilepsia</i> , 2017 , 58 Suppl 3, 27-38	6.4	96
126	Expression and function of the metabotropic purinergic P2Y receptor family in experimental seizure models and patients with drug-refractory epilepsy. <i>Epilepsia</i> , 2017 , 58, 1603-1614	6.4	22
125	Detection of MicroRNAs in Brain Slices Using In Situ Hybridization. <i>Methods in Molecular Biology</i> , 2017 , 1509, 85-91	1.4	2
124	A calcium-sensitive feed-forward loop regulating the expression of the ATP-gated purinergic P2X7 receptor via specificity protein 1 and microRNA-22. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 255-266	4.9	17
123	miRNA-Mediated Regulation of Adult Hippocampal Neurogenesis; Implications for Epilepsy. <i>Brain Plasticity</i> , 2017 , 3, 43-59	3.5	22
122	Poststatus Epilepticus Models: Focal Kainic Acid 2017 , 611-624		7
121	Tubby-like protein 1 (Tulp1) is a target of microRNA-134 and is down-regulated in experimental epilepsy. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2017 , 9, 178-187	3.4	6
120	MicroRNAs in epilepsy: pathophysiology and clinical utility. <i>Lancet Neurology</i> , 2016 , 15, 1368-1376	24.1	132
119	Distinct behavioral and epileptic phenotype differences in 129/P mice compared to C57BL/6 mice subject to intraamygdala kainic acid-induced status epilepticus. <i>Epilepsy and Behavior</i> , 2016 , 64, 186-194	3.2	3
118	Transient P2X7 Receptor Antagonism Produces Lasting Reductions in Spontaneous Seizures and Gliosis in Experimental Temporal Lobe Epilepsy. <i>Journal of Neuroscience</i> , 2016 , 36, 5920-32	6.6	89
117	Involvement of microRNAs in epileptogenesis. <i>Epilepsia</i> , 2016 , 57, 1015-26	6.4	33
116	ATPergic signalling during seizures and epilepsy. <i>Neuropharmacology</i> , 2016 , 104, 140-53	5.5	60
115	EpimiRBase: a comprehensive database of microRNA-epilepsy associations. <i>Bioinformatics</i> , 2016 , 32, 1436-8	7.2	33
114	Critical Evaluation of P2X7 Receptor Antagonists in Selected Seizure Models. <i>PLoS ONE</i> , 2016 , 11, e0156468	4.68	36
113	Neurodevelopmental alterations and seizures developed by mouse model of infantile hypophosphatasia are associated with purinergic signalling deregulation. <i>Human Molecular Genetics</i> , 2016 , 25, 4143-4156	5.6	39
112	Bok Is Not Pro-Apoptotic But Suppresses Poly ADP-Ribose Polymerase-Dependent Cell Death Pathways and Protects against Excitotoxic and Seizure-Induced Neuronal Injury. <i>Journal of Neuroscience</i> , 2016 , 36, 4564-78	6.6	35
111	MicroRNA-Mediated Downregulation of the Potassium Channel Kv4.2 Contributes to Seizure Onset. <i>Cell Reports</i> , 2016 , 17, 37-45	10.6	41

110	Differential DNA methylation profiles of coding and non-coding genes define hippocampal sclerosis in human temporal lobe epilepsy. <i>Brain</i> , 2015 , 138, 616-31	11.2	105
109	Overexpression of 14-3-3 η increases Brain Levels of C/EBP Homologous Protein CHOP. <i>Journal of Molecular Neuroscience</i> , 2015 , 56, 255-62	3.3	4
108	Effects of hypoxia-induced neonatal seizures on acute hippocampal injury and later-life seizure susceptibility and anxiety-related behavior in mice. <i>Neurobiology of Disease</i> , 2015 , 83, 100-14	7.5	38
107	Epigenetics and Epilepsy. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2015 , 5,	5.4	51
106	Comparison of short-term effects of midazolam and lorazepam in the intra-amygdala kainic acid model of status epilepticus in mice. <i>Epilepsy and Behavior</i> , 2015 , 51, 191-8	3.2	8
105	P2X purinoceptors as a link between hyperexcitability and neuroinflammation in status epilepticus. <i>Epilepsy and Behavior</i> , 2015 , 49, 8-12	3.2	31
104	Antagomirs targeting microRNA-134 increase hippocampal pyramidal neuron spine volume in vivo and protect against pilocarpine-induced status epilepticus. <i>Brain Structure and Function</i> , 2015 , 220, 2387-99	4.9	78
103	microRNA targeting of the P2X7 purinoceptor opposes a contralateral epileptogenic focus in the hippocampus. <i>Scientific Reports</i> , 2015 , 5, 17486	4.9	67
102	Transcriptional Response of Polycomb Group Genes to Status Epilepticus in Mice is Modified by Prior Exposure to Epileptic Preconditioning. <i>Frontiers in Neurology</i> , 2015 , 6, 46	4.1	14
101	microRNA and Epilepsy. <i>Advances in Experimental Medicine and Biology</i> , 2015 , 888, 41-70	3.6	42
100	Direct, non-amplified detection of microRNA-134 in plasma from epilepsy patients. <i>RSC Advances</i> , 2015 , 5, 90071-90078	3.7	12
99	Bax regulates neuronal Ca ²⁺ homeostasis. <i>Journal of Neuroscience</i> , 2015 , 35, 1706-22	6.6	38
98	High Throughput qPCR Expression Profiling of Circulating MicroRNAs Reveals Minimal Sex- and Sample Timing-Related Variation in Plasma of Healthy Volunteers. <i>PLoS ONE</i> , 2015 , 10, e0145316	3.7	23
97	P2X7 receptor inhibition interrupts the progression of seizures in immature rats and reduces hippocampal damage. <i>CNS Neuroscience and Therapeutics</i> , 2014 , 20, 556-64	6.8	45
96	Increased expression of microRNA-29a in ALS mice: functional analysis of its inhibition. <i>Journal of Molecular Neuroscience</i> , 2014 , 53, 231-41	3.3	41
95	MicroRNA and epilepsy: profiling, functions and potential clinical applications. <i>Current Opinion in Neurology</i> , 2014 , 27, 199-205	7.1	92
94	Hsp27 binding to the 3'UTR of bim mRNA prevents neuronal death during oxidative stress-induced injury: a novel cytoprotective mechanism. <i>Molecular Biology of the Cell</i> , 2014 , 25, 3413-23	3.5	14
93	Neurogenic function in rats with unilateral hippocampal sclerosis that experienced early-life status epilepticus. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2014 , 6, 199-208	3.4	1

92	Investigating gene promoter methylation in a mouse model of status epilepticus. <i>Methods in Molecular Biology</i> , 2013 , 1067, 87-101	1.4	2
91	Antagomirs and microRNA in status epilepticus. <i>Epilepsia</i> , 2013 , 54 Suppl 6, 17-9	6.4	17
90	Mitochondrial localization of the forkhead box class O transcription factor FOXO3a in brain. <i>Journal of Neurochemistry</i> , 2013 , 124, 749-56	6	16
89	Spatio-temporally restricted blood-brain barrier disruption after intra-amygdala kainic acid-induced status epilepticus in mice. <i>Epilepsy Research</i> , 2013 , 103, 167-79	3	26
88	Kainic acid-induced seizures modulate Akt (SER473) phosphorylation in the hippocampus of dopamine D2 receptor knockout mice. <i>Journal of Molecular Neuroscience</i> , 2013 , 49, 202-10	3.3	24
87	Epilepsy and microRNA. <i>Neuroscience</i> , 2013 , 238, 218-29	3.9	90
86	CHOP regulates the p53-MDM2 axis and is required for neuronal survival after seizures. <i>Brain</i> , 2013 , 136, 577-92	11.2	74
85	Protective neuronal induction of ATF5 in endoplasmic reticulum stress induced by status epilepticus. <i>Brain</i> , 2013 , 136, 1161-76	11.2	33
84	MicroRNAs in the pathophysiology and treatment of status epilepticus. <i>Frontiers in Molecular Neuroscience</i> , 2013 , 6, 37	6.1	43
83	Increased neocortical expression of the P2X7 receptor after status epilepticus and anticonvulsant effect of P2X7 receptor antagonist A-438079. <i>Epilepsia</i> , 2013 , 54, 1551-61	6.4	96
82	Contribution of apoptosis-associated signaling pathways to epileptogenesis: lessons from Bcl-2 family knockouts. <i>Frontiers in Cellular Neuroscience</i> , 2013 , 7, 110	6.1	46
81	P2X receptors as targets for the treatment of status epilepticus. <i>Frontiers in Cellular Neuroscience</i> , 2013 , 7, 237	6.1	39
80	Transgenic overexpression of 14-3-3 zeta protects hippocampus against endoplasmic reticulum stress and status epilepticus in vivo. <i>PLoS ONE</i> , 2013 , 8, e54491	3.7	35
79	Preconditioning for Epilepsy 2013 , 521-539		
78	Silencing microRNA-134 produces neuroprotective and prolonged seizure-suppressive effects. <i>Nature Medicine</i> , 2012 , 18, 1087-94	50.5	345
77	Expression profiling the microRNA response to epileptic preconditioning identifies miR-184 as a modulator of seizure-induced neuronal death. <i>Experimental Neurology</i> , 2012 , 237, 346-54	5.7	71
76	Seizure suppression and neuroprotection by targeting the purinergic P2X7 receptor during status epilepticus in mice. <i>FASEB Journal</i> , 2012 , 26, 1616-28	0.9	135
75	Elevated serum Bcl-2 in children with temporal lobe epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2012 , 21, 250-3	3.2	11

74	Can genes modify stroke outcome and by what mechanisms?. <i>Stroke</i> , 2012 , 43, 286-91	6.7	13
73	Bi-lateral changes to hippocampal cholesterol levels during epileptogenesis and in chronic epilepsy following focal-onset status epilepticus in mice. <i>Brain Research</i> , 2012 , 1480, 81-90	3.7	8
72	Differential DNA methylation patterns define status epilepticus and epileptic tolerance. <i>Journal of Neuroscience</i> , 2012 , 32, 1577-88	6.6	86
71	IgG leakage may contribute to neuronal dysfunction in drug-refractory epilepsies with blood-brain barrier disruption. <i>Journal of Neuropathology and Experimental Neurology</i> , 2012 , 71, 826-38	3.1	47
70	Reduced mature microRNA levels in association with dicer loss in human temporal lobe epilepsy with hippocampal sclerosis. <i>PLoS ONE</i> , 2012 , 7, e35921	3.7	89
69	Proteomic analysis of 14-3-3 zeta binding proteins in the mouse hippocampus. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2012 , 4, 74-83	3.4	11
68	P2X7 receptor in epilepsy; role in pathophysiology and potential targeting for seizure control. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2012 , 4, 174-87	3.4	35
67	Cell Death and Survival Mechanisms after Single and Repeated Brief Seizures 2012 , 362-376		6
66	miRNA Expression profile after status epilepticus and hippocampal neuroprotection by targeting miR-132. <i>American Journal of Pathology</i> , 2011 , 179, 2519-32	5.8	153
65	Convulsant doses of a dopamine D1 receptor agonist result in Erk-dependent increases in Zif268 and Arc/Arg3.1 expression in mouse dentate gyrus. <i>PLoS ONE</i> , 2011 , 6, e19415	3.7	44
64	Cell signaling underlying epileptic behavior. <i>Frontiers in Behavioral Neuroscience</i> , 2011 , 5, 45	3.5	57
63	Bcl-2 homology domain 3-only proteins Puma and Bim mediate the vulnerability of CA1 hippocampal neurons to proteasome inhibition in vivo. <i>European Journal of Neuroscience</i> , 2011 , 33, 401-8	3.5	15
62	In vivo contributions of BH3-only proteins to neuronal death following seizures, ischemia, and traumatic brain injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 1196-210	7.3	53
61	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. <i>Journal of Biological Chemistry</i> , 2011 , 286, 19331-9	5.4	38
60	Mutation of Semaphorin-6A disrupts limbic and cortical connectivity and models neurodevelopmental psychopathology. <i>PLoS ONE</i> , 2011 , 6, e26488	3.7	32
59	Expression of neurogenesis genes in human temporal lobe epilepsy with hippocampal sclerosis. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2011 , 3, 38-47	3.4	10
58	Suppression of TNF receptor-1 signaling in an in vitro model of epileptic tolerance. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2011 , 3, 120-32	3.4	5
57	BH3-only protein Bid is dispensable for seizure-induced neuronal death and the associated nuclear accumulation of apoptosis-inducing factor. <i>Journal of Neurochemistry</i> , 2010 , 115, 92-101	6	23

56	Reduced hippocampal damage and epileptic seizures after status epilepticus in mice lacking proapoptotic Puma. <i>FASEB Journal</i> , 2010 , 24, 853-61	0.9	53
55	Experimental neonatal status epilepticus and the development of temporal lobe epilepsy with unilateral hippocampal sclerosis. <i>American Journal of Pathology</i> , 2010 , 176, 330-42	5.8	35
54	Hippocampal damage after intra-amygdala kainic acid-induced status epilepticus and seizure preconditioning-mediated neuroprotection in SJL mice. <i>Epilepsy Research</i> , 2010 , 88, 151-61	3	22
53	Electroencephalographic and behavioral convulsant effects of hydrobromide and hydrochloride salts of bupropion in conscious rodents. <i>Neuropsychiatric Disease and Treatment</i> , 2009 , 5, 189-206	3.1	4
52	Effects of transient focal cerebral ischemia in mice deficient in puma. <i>Neuroscience Letters</i> , 2009 , 451, 237-40	3.3	13
51	Apoptosis, Bcl-2 family proteins and caspases: the ABCs of seizure-damage and epileptogenesis?. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2009 , 1, 97-115	3.4	53
50	Seizure preconditioning and epileptic tolerance: models and mechanisms. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2009 , 1, 180-191	3.4	23
49	NMDA receptor-mediated excitotoxic neuronal apoptosis in vitro and in vivo occurs in an ER stress and PUMA independent manner. <i>Journal of Neurochemistry</i> , 2008 , 105, 891-903	6	45
48	Depletion of 14-3-3 zeta elicits endoplasmic reticulum stress and cell death, and increases vulnerability to kainate-induced injury in mouse hippocampal cultures. <i>Journal of Neurochemistry</i> , 2008 , 106, 978-88	6	34
47	Unilateral hippocampal CA3-predominant damage and short latency epileptogenesis after intra-amygdala microinjection of kainic acid in mice. <i>Brain Research</i> , 2008 , 1213, 140-51	3.7	103
46	Hippocampal transcriptome after status epilepticus in mice rendered seizure damage-tolerant by epileptic preconditioning features suppressed calcium and neuronal excitability pathways. <i>Neurobiology of Disease</i> , 2008 , 32, 442-53	7.5	62
45	Dopamine D1 vs D5 receptor-dependent induction of seizures in relation to DARPP-32, ERK1/2 and GluR1-AMPA signalling. <i>Neuropharmacology</i> , 2008 , 54, 1051-61	5.5	32
44	Modulators of neuronal cell death in epilepsy. <i>Current Opinion in Pharmacology</i> , 2008 , 8, 75-81	5.1	44
43	Detection of 14-3-3zeta in cerebrospinal fluid following experimentally evoked seizures. <i>Biomarkers</i> , 2008 , 13, 377-84	2.6	10
42	Elevated p53 and lower MDM2 expression in hippocampus from patients with intractable temporal lobe epilepsy. <i>Epilepsy Research</i> , 2007 , 77, 151-6	3	27
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3	Functional expression of the ATP-gated P2X7 receptor in human iPSC-derived neurons and astrocytes		1

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