Jeffrey L Noebels

List of Publications by Year
in descending order

176 papers	20,581 citations	9254 74 h-index	10724 138 g-index
207 all docs	207 docs citations	207 times ranked	21821 citing authors

#	Article	IF	Citations
1	Aberrant Excitatory Neuronal Activity and Compensatory Remodeling of Inhibitory Hippocampal Circuits in Mouse Models of Alzheimer's Disease. Neuron, 2007, 55, 697-711.	3.8	1,371
2	Dysfunction in GABA signalling mediates autism-like stereotypies and Rett syndrome phenotypes. Nature, 2010, 468, 263-269.	13.7	1,042
3	Mutation of the Angelman Ubiquitin Ligase in Mice Causes Increased Cytoplasmic p53 and Deficits of Contextual Learning and Long-Term Potentiation. Neuron, 1998, 21, 799-811.	3.8	767
4	Mice with Truncated MeCP2 Recapitulate Many Rett Syndrome Features and Display Hyperacetylation of Histone H3. Neuron, 2002, 35, 243-254.	3.8	723
5	Amyloid-Î²/Fynâ€“Induced Synaptic, Network, and Cognitive Impairments Depend on Tau Levels in Multiple Mouse Models of Alzheimer's Disease. Journal of Neuroscience, 2011, 31, 700-711.	1.7	582
6	Mild overexpression of MeCP2 causes a progressive neurological disorder in mice. Human Molecular Genetics, 2004, 13, 2679-2689.	1.4	540
7	Large expansion of the ATTCT pentanucleotide repeat in spinocerebellar ataxia type 10. Nature Genetics, 2000, 26, 191-194.	9.4	505
8	Mice lacking Dlx1 show subtype-specific loss of interneurons, reduced inhibition and epilepsy. Nature Neuroscience, 2005, 8, 1059-1068.	7.1	458
9	Identification of diverse astrocyte populations and their malignant analogs. Nature Neuroscience, 2017, 20, 396-405.	7.1	410
10	Mutation of the Ca2+ Channel Î² Subunit Gene Cchb4 Is Associated with Ataxia and Seizures in the Lethargic (lh) Mouse. Cell, 1997, 88, 385-392.	13.5	394
11	Mutation in AP-3 Î´ in the mocha Mouse Links Endosomal Transport to Storage Deficiency in Platelets, Melanosomes, and Synaptic Vesicles. Neuron, 1998, 21, 111-122.	3.8	382
12	Sensorineural Deafness and Seizures in Mice Lacking Vesicular Glutamate Transporter 3. Neuron, 2008, 57, 263-275.	3.8	340
13	Progressive ataxia, myoclonic epilepsy and cerebellar apoptosis in cystatin B-deficient mice. Nature Genetics, 1998, 20, 251-258.	9.4	332
14	BK channel Î²4 subunit reduces dentate gyrus excitability and protects against temporal lobe seizures. Nature Neuroscience, 2005, 8, 1752-1759.	7.1	321
15	Inherited epilepsy: spike-wave and focal motor seizures in the mutant mouse tottering. Science, 1979, 204, 1334-1336.	6.0	320
16	Genetic Disruption of Cortical Interneuron Development Causes Region- and GABA Cell Type-Specific Deficits, Epilepsy, and Behavioral Dysfunction. Journal of Neuroscience, 2003, 23, 622-631.	1.7	319
17	Epilepsy in mice deficient in the 65-kDa isoform of glutamic acid decarboxylase. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 14060-14065.	3.3	299
18	Silent hippocampal seizures and spikes identified by foramen ovale electrodes in Alzheimer's disease. Nature Medicine, 2017, 23, 678-680.	15.2	283

#	Article	IF	Citations
19	Loss of BETA2/NeuroD leads to malformation of the dentate gyrus and epilepsy. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 865-870.	3.3	276
20	Exome Sequencing of Ion Channel Genes Reveals Complex Profiles Confounding Personal Risk Assessment in Epilepsy. Cell, 2011, 145, 1036-1048.	13.5	274
21	THEBIOLOGY OFEPILEPSYGENES. Annual Review of Neuroscience, 2003, 26, 599-625.	5.0	273
22	Sodium/Hydrogen Exchanger Gene Defect in Slow-Wave Epilepsy Mutant Mice. Cell, 1997, 91, 139-148.	13.5	260
23	Spreading depolarization in the brainstem mediates sudden cardiorespiratory arrest in mouse SUDEP models. Science Translational Medicine, 2015, 7, 282ra46.	5.8	258
24	Arc regulates spine morphology and maintains network stability in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18173-18178.	3.3	229
25	Mice Lacking Sodium Channel Â1 Subunits Display Defects in Neuronal Excitability, Sodium Channel Expression, and Nodal Architecture. Journal of Neuroscience, 2004, 24, 4030-4042.	1.7	225
26	Identification of new epilepsy treatments: Issues in preclinical methodology. Epilepsia, 2012, 53, 571-582.	2.6	219
27	A perfect storm: Converging paths of epilepsy and Alzheimerâ€™s dementia intersect in the hippocampal formation. Epilepsia, 2011, 52, 39-46.	2.6	211
28	Neuronal LRP1 Functionally Associates with Postsynaptic Proteins and Is Required for Normal Motor Function in Mice. Molecular and Cellular Biology, 2004, 24, 8872-8883.	1.1	197
29	Tau Loss Attenuates Neuronal Network Hyperexcitability in Mouse andDrosophilaGenetic Models of Epilepsy. Journal of Neuroscience, 2013, 33, 1651-1659.	1.7	195
30	Neuronal Elav-like (Hu) Proteins Regulate RNA Splicing and Abundance to Control Glutamate Levels and Neuronal Excitability. Neuron, 2012, 75, 1067-1080.	3.8	190
31	Kv1.1 Potassium Channel Deficiency Reveals Brain-Driven Cardiac Dysfunction as a Candidate Mechanism for Sudden Unexplained Death in Epilepsy. Journal of Neuroscience, 2010, 30, 5167-5175.	1.7	188
32	Suppression of PKR Promotes Network Excitability and Enhanced Cognition by Interferon-Î³-Mediated Disinhibition. Cell, 2011, 147, 1384-1396.	13.5	182
33	Visualization of transmitter release with zinc fluorescence detection at the mouse hippocampal mossy fibre synapse. Journal of Physiology, 2005, 566, 747-758.	1.3	177
34	Genetic testing in the epilepsiesâ€”Report of the ILAE Genetics Commission. Epilepsia, 2010, 51, 655-670.	2.6	175
35	A single gene error of noradrenergic axon growth synchronizes central neurones. Nature, 1984, 310, 409-411.	13.7	170
36	Mutations in High-Voltage-Activated Calcium Channel Genes Stimulate Low-Voltage-Activated Currents in Mouse Thalamic Relay Neurons. Journal of Neuroscience, 2002, 22, 6362-6371.	1.7	170

#	Article	IF	Citations
37	Masking epilepsy by combining two epilepsy genes. Nature Neuroscience, 2007, 10, 1554-1558.	7.1	169
38	Selective localization of cardiac SCN5A sodium channels in limbic regions of rat brain. Nature Neuroscience, 1999, 2, 593-595.	7.1	166
39	A mouse model for Glut-1 haploinsufficiency. Human Molecular Genetics, 2006, 15, 1169-1179.	1.4	165
40	A Triplet Repeat Expansion Genetic Mouse Model of Infantile Spasms Syndrome, Arx(GCG)10+7, with Interneuronopathy, Spasms in Infancy, Persistent Seizures, and Adult Cognitive and Behavioral Impairment. Journal of Neuroscience, 2009, 29, 8752-8763.	1.7	162
41	Impaired Fast-Spiking, Suppressed Cortical Inhibition, and Increased Susceptibility to Seizures in Mice Lacking Kv3.2 K⁺Channel Proteins. Journal of Neuroscience, 2000, 20, 9071-9085.	1.7	160
42	Pathway-driven discovery of epilepsy genes. Nature Neuroscience, 2015, 18, 344-350.	7.1	158
43	Altered Ultrasonic Vocalization and Impaired Learning and Memory in Angelman Syndrome Mouse Model with a Large Maternal Deletion from Ube3a to Gabrb3. PLoS ONE, 2010, 5, e12278.	1.1	157
44	ADPEAF mutations reduce levels of secreted LGI1, a putative tumor suppressor protein linked to epilepsy. Human Molecular Genetics, 2005, 14, 1613-1620.	1.4	156
45	Localization and modulatory actions of zinc in vertebrate retina. Vision Research, 1993, 33, 2611-2616.	0.7	149
46	Genetic Suppression of Transgenic APP Rescues Hypersynchronous Network Activity in a Mouse Model of Alzeimer's Disease. Journal of Neuroscience, 2014, 34, 3826-3840.	1.7	144
47	Rocker Is a New Variant of the Voltage-Dependent Calcium Channel GeneCacna1a. Journal of Neuroscience, 2001, 21, 1169-1178.	1.7	143
48	Presynaptic Ca²⁺Influx at a Mouse Central Synapse with Ca²⁺Channel Subunit Mutations. Journal of Neuroscience, 2000, 20, 163-170.	1.7	141
49	Targeting Epilepsy Genes. Neuron, 1996, 16, 241-244.	3.8	135
50	PIK3CA variants selectively initiate brain hyperactivity during gliomagenesis. Nature, 2020, 578, 166-171.	13.7	131
51	Genetic Enhancement of Thalamocortical Network Activity by Elevating Î±1G-Mediated Low-Voltage-Activated Calcium Current Induces Pure Absence Epilepsy. Journal of Neuroscience, 2009, 29, 1615-1625.	1.7	125
52	Models for Epilepsy and Epileptogenesis: Report from the NIH Workshop, Bethesda, Maryland. Epilepsia, 2002, 43, 1410-1420.	2.6	124
53	Sodium channel Scn1b null mice exhibit prolonged QT and RR intervals. Journal of Molecular and Cellular Cardiology, 2007, 43, 636-647.	0.9	123
54	Mouse models of human KCNQ2 and KCNQ3 mutations for benign familial neonatal convulsions show seizures and neuronal plasticity without synaptic reorganization. Journal of Physiology, 2008, 586, 3405-3423.	1.3	122

#	Article	IF	Citations
55	Reduced Cognition in Syngap1 Mutants Is Caused by Isolated Damage within Developing Forebrain Excitatory Neurons. Neuron, 2014, 82, 1317-1333.	3.8	118
56	Î² Subunit Reshuffling Modifies N- and P/Q-Type Ca2+Channel Subunit Compositions in Lethargic Mouse Brain. Molecular and Cellular Neurosciences, 1999, 13, 293-311.	1.0	117
57	Curing epilepsy: Progress and future directions. Epilepsy and Behavior, 2009, 14, 438-445.	0.9	106
58	Cathepsin B but not cathepsins L or S contributes to the pathogenesis of Unverricht-Lundborg progressive myoclonus epilepsy (EPM1). Journal of Neurobiology, 2003, 56, 315-327.	3.7	102
59	Modeling del(17)(p11.2p11.2) and dup(17)(p11.2p11.2) Contiguous Gene Syndromes by Chromosome Engineering in Mice: Phenotypic Consequences of Gene Dosage Imbalance. Molecular and Cellular Biology, 2003, 23, 3646-3655.	1.1	100
60	A Cluster of Three Novel Ca2+ Channel Î³ Subunit Genes on Chromosome 19q13.4: Evolution and Expression Profile of the Î³ Subunit Gene Family. Genomics, 2001, 71, 339-350.	1.3	99
61	To share or not to share: A randomized trial of consent for data sharing in genome research. Genetics in Medicine, 2011, 13, 948-955.	1.1	96
62	Presynaptic Ca²⁺Channels and Neurotransmitter Release at the Terminal of a Mouse Cortical Neuron. Journal of Neuroscience, 2001, 21, 3721-3728.	1.7	95
63	NOVA-dependent regulation of cryptic NMD exons controls synaptic protein levels after seizure. ELife, 2013, 2, e00178.	2.8	92
64	Brain microvasculature defects and Glut1 deficiency syndrome averted by early repletion of the glucose transporter-1 protein. Nature Communications, 2017, 8, 14152.	5.8	91
65	Hypomyelination alters K+ channel expression in mouse mutants shiverer and Trembler. Neuron, 1995, 15, 1337-1347.	3.8	89
66	Sudden unexpected death in epilepsy: Identifying risk and preventing mortality. Epilepsia, 2015, 56, 1700-1706.	2.6	88
67	Hyper-SUMOylation of the Kv7 Potassium Channel Diminishes the M-Current Leading to Seizures and Sudden Death. Neuron, 2014, 83, 1159-1171.	3.8	86
68	Epileptic Seizures in Alzheimer Disease. Alzheimer Disease and Associated Disorders, 2016, 30, 186-192.	0.6	86
69	Single gene defects in mice: the role of voltage-dependent calcium channels in absence models. Epilepsy Research, 1999, 36, 111-122.	0.8	85
70	Delayed Postnatal Loss of P/Q-Type Calcium Channels Recapitulates the Absence Epilepsy, Dyskinesia, and Ataxia Phenotypes of GenomicCacna1AMutations. Journal of Neuroscience, 2011, 31, 4311-4326.	1.7	83
71	Loss of the Potassium Channel Î²-Subunit Gene, KCNAB2, Is Associated with Epilepsy in Patients with 1p36 Deletion Syndrome. Epilepsia, 2002, 42, 1103-1111.	2.6	82
72	Transcallosal effects of a cortical epileptiform focus. Brain Research, 1975, 99, 59-68.	1.1	78

#	Article	IF	Citations
73	Genetic Localization of the Ca2+ Channel Gene CACNG2 Near SCA10 on Chromosome 22q13. Epilepsia, 2000, 41, 24-27.	2.6	78
74	Therapeutic inhibition of mTORC2 rescues the behavioral and neurophysiological abnormalities associated with Pten-deficiency. Nature Medicine, 2019, 25, 1684-1690.	15.2	78
75	Elevated Thalamic Low-Voltage-Activated Currents Precede the Onset of Absence Epilepsy in the SNAP25-Deficient Mouse Mutant Coloboma. Journal of Neuroscience, 2004, 24, 5239-5248.	1.7	77
76	Highâ€resolution molecular genomic autopsy reveals complex sudden unexpected death in epilepsy risk profile. Epilepsia, 2014, 55, e6-12.	2.6	76
77	Rai1 deficiency in mice causes learning impairment and motor dysfunction, whereas Rai1 heterozygous mice display minimal behavioral phenotypes. Human Molecular Genetics, 2007, 16, 1802-1813.	1.4	75
78	MeCP2 Is Critical within HoxB1-Derived Tissues of Mice for Normal Lifespan. Journal of Neuroscience, 2011, 31, 10359-10370.	1.7	75
79	Nav1.2 haplodeficiency in excitatory neurons causes absence-like seizures in mice. Communications Biology, 2018, 1, 96.	2.0	75
80	Issues related to development of new antiseizure treatments. Epilepsia, 2013, 54, 24-34.	2.6	74
81	Increased Excitability and Inward Rectification in Layer V Cortical Pyramidal Neurons in the Epileptic Mutant MouseStargazer. Journal of Neurophysiology, 1997, 77, 621-631.	0.9	69
82	Knockout of Zn Transporters Zip-1 and Zip-3 Attenuates Seizure-Induced CA1 Neurodegeneration. Journal of Neuroscience, 2011, 31, 97-104.	1.7	66
83	Isolating single genes of the inherited epilepsies. Annals of Neurology, 1984, 16, S18-S21.	2.8	65
84	Î±II Spectrin Forms a Periodic Cytoskeleton at the Axon Initial Segment and Is Required for Nervous System Function. Journal of Neuroscience, 2017, 37, 11311-11322.	1.7	63
85	Deletion of the potassium channel Kv12.2 causes hippocampal hyperexcitability and epilepsy. Nature Neuroscience, 2010, 13, 1056-1058.	7.1	62
86	Identification of Three Novel Ca2+ Channel gamma Subunit Genes Reveals Molecular Diversification by Tandem and Chromosome Duplication. Genome Research, 1999, 9, 1204-1213.	2.4	61
87	Exploring New Gene Discoveries in Idiopathic Generalizedâ€ƒEpilepsy. Epilepsia, 2003, 44, 16-21.	2.6	60
88	Exocytosis of Vesicular Zinc Reveals Persistent Depression of Neurotransmitter Release during Metabotropic Glutamate Receptor Long-Term Depression at the Hippocampal CA3-CA1 Synapse. Journal of Neuroscience, 2006, 26, 6089-6095.	1.7	60
89	Interneuron, interrupted: molecular pathogenesis of ARX mutations and X-linked infantile spasms. Current Opinion in Neurobiology, 2012, 22, 859-865.	2.0	60
90	Neonatal Estradiol Stimulation Prevents Epilepsy in Arx Model of X-Linked Infantile Spasms Syndrome. Science Translational Medicine, 2014, 6, 220ra12.	5.8	58

#	Article	IF	Citations
91	Monogenic models of absence epilepsy. Progress in Brain Research, 2014, 213, 223-252.	0.9	58
92	Pathogenesis of peritumoral hyperexcitability in an immunocompetent CRISPR-based glioblastoma model. Journal of Clinical Investigation, 2020, 130, 2286-2300.	3.9	57
93	Presynaptic origin of penicillin afterdischarges at mammalian nerve terminals. Brain Research, 1977, 138, 59-74.	1.1	55
94	Voltage-Dependent Calcium Channel Mutations in Neurological Disease. Annals of the New York Academy of Sciences, 1999, 868, 199-212.	1.8	54
95	Isolated P/Q Calcium Channel Deletion in Layer VI Corticothalamic Neurons Generates Absence Epilepsy. Journal of Neuroscience, 2016, 36, 405-418.	1.7	53
96	Bexarotene reduces network excitability in models of Alzheimer's disease and epilepsy. Neurobiology of Aging, 2014, 35, 2091-2095.	1.5	51
97	Genetic and phenotypic heterogeneity of inherited spike-wave epilepsy: two mutant gene loci with independent cerebral excitability defects. Brain Research, 1991, 555, 43-50.	1.1	50
98	Topiramate alters excitatory synaptic transmission in mouse hippocampus. Epilepsy Research, 2003, 55, 225-233.	0.8	50
99	Postnatal Loss of P/Q-Type Channels Confined to Rhombic-Lip-Derived Neurons Alters Synaptic Transmission at the Parallel Fiber to Purkinje Cell Synapse and Replicates GenomicCacna1aMutation Phenotype of Ataxia and Seizures in Mice. Journal of Neuroscience, 2013, 33, 5162-5174.	1.7	47
100	Leaky RyR2 channels unleash a brainstem spreading depolarization mechanism of sudden cardiac death. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4895-903.	3.3	46
101	Paradoxical proepileptic response to NMDA receptor blockade linked to cortical interneuron defect in stargazer mice. Frontiers in Cellular Neuroscience, 2013, 7, 156.	1.8	45
102	Genetic Mapping and Evaluation of Candidate Genes for Spasmodic, a Neurological Mouse Mutation with Abnormal Startle Response. Genomics, 1993, 17, 279-286.	1.3	43
103	Novel brain expression of ClC-1 chloride channels and enrichment of CLCN1 variants in epilepsy. Neurology, 2013, 80, 1078-1085.	1.5	43
104	Aberrant expression of neuropeptide Y in hippocampal mossy fibers in the absence of local cell injury following the onset of spike-wave synchronization. Molecular Brain Research, 1995, 31, 111-121.	2.5	41
105	Nonobligate Role of Early or Sustained Expression of Immediate-Early Gene Proteins c-Fos, c-Jun, and Zif/268 in Hippocampal Mossy Fiber Sprouting. Journal of Neuroscience, 1998, 18, 9245-9255.	1.7	40
106	Transcompartmental reversal of single fibre hyperexcitability in juxtaparanodal Kv1.1â€deficient vagus nerve axons by activation of nodal KCNQ channels. Journal of Physiology, 2012, 590, 3913-3926.	1.3	39
107	Anatomic localization of topically applied [14C]penicillin during experimental focal epilepsy in cat neocortex. Brain Research, 1977, 125, 293-303.	1.1	37
108	Absence of hippocampal mossy fiber sprouting in transgenic mice overexpressing brain-derived neurotrophic factor. Journal of Neuroscience Research, 2001, 64, 268-276.	1.3	37

#	Article	IF	Citations
109	Ablation of Steroid Receptor Coactivator-3 Resembles the Human CACT Metabolic Myopathy. Cell Metabolism, 2012, 15, 752-763.	7.2	36
110	A burst-dependent hippocampal excitability defect elicited by potassium at the developmental onset of spike-wave seizures in the Tottering mutant. Developmental Brain Research, 1992, 65, 205-210.	2.1	35
111	Expression and function of Kv1.1 potassium channels in human atria from patients with atrial fibrillation. Basic Research in Cardiology, 2015, 110, 505.	2.5	35
112	Cortical slow potentials and the occipital EEG in congenital blindness. Journal of the Neurological Sciences, 1978, 37, 51-58.	0.3	34
113	Single-Gene Determinants of Epilepsy Comorbidity. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a022756.	2.9	33
114	Asynchronous suppression of visual cortex during absence seizures in stargazer mice. Nature Communications, 2018, 9, 1938.	5.8	33
115	Topical Review: Epilepsy and Chromosomal Rearrangements in Smith-Magenis Syndrome [del(17)(p11.2p11.2)]. Journal of Child Neurology, 2006, 21, 93-98.	0.7	32
116	Genetic and phenotypic analysis of the mouse mutant mh 2J , an Ap3d allele caused by IAP element insertion. Mammalian Genome, 2003, 14, 157-167.	1.0	31
117	Genetic mouse models of essential tremor: are they essential?. Journal of Clinical Investigation, 2005, 115, 584-586.	3.9	31
118	â€œJasperâ€™s Basic Mechanisms of the Epilepsiesâ€•Workshop. Epilepsia, 2010, 51, 1-5.	2.6	30
119	Selective Loss of Presynaptic Potassium Channel Clusters at the Cerebellar Basket Cell Terminal Pinceau in Adam11 Mutants Reveals Their Role in Ephaptic Control of Purkinje Cell Firing. Journal of Neuroscience, 2015, 35, 11433-11444.	1.7	29
120	Shift in interictal relative gamma power as a novel biomarker for drug response in two mouse models of absence epilepsy. Epilepsia, 2016, 57, 79-88.	2.6	29
121	Precision physiology and rescue of brain ion channel disorders. Journal of General Physiology, 2017, 149, 533-546.	0.9	29
122	Deleterious Rare Variants Reveal Risk for Loss of GABAA Receptor Function in Patients with Genetic Epilepsy and in the General Population. PLoS ONE, 2016, 11, e0162883.	1.1	27
123	The Epilepsy Spectrum: Targeting Future Research Challenges. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a028043.	2.9	23
124	Sodium Channel Î²1 Regulatory Subunit Deficiency Reduces Pancreatic Islet Glucose-Stimulated Insulin and Glucagon Secretion. Endocrinology, 2009, 150, 1132-1139.	1.4	21
125	How Can Advances in Epilepsy Genetics Lead to Better Treatments and Cures?. Advances in Experimental Medicine and Biology, 2014, 813, 309-317.	0.8	20
126	Kcnq2/Kv7.2 controls the threshold and bi-hemispheric symmetry of cortical spreading depolarization. Brain, 2021, 144, 2863-2878.	3.7	19

#	Article	IF	Citations
127	Modeling Human Epilepsies in Mice. Epilepsia, 2001, 42, 11-15.	2.6	18
128	Disruption of the NF-Î²B/Iκ BÎ± Autoinhibitory Loop Improves Cognitive Performance and Promotes Hyperexcitability of Hippocampal Neurons. Molecular Neurodegeneration, 2011, 6, 42.	4.4	18
129	Standards for data acquisition and softwareâ€based analysis of inÂvivo electroencephalography recordings from animals. A TASK 1â€•WG 5 report of the AES/ ILAE Translational Task Force of the ILAE. Epilepsia, 2017, 58, 53-67.	2.6	18
130	Adult loss of Cacna1a in mice recapitulates childhood absence epilepsy by distinct thalamic bursting mechanisms. Brain, 2020, 143, 161-174.	3.7	17
131	Î² spectrin-dependent and domain specific mechanisms for Na+ channel clustering. ELife, 2020, 9, .	2.8	17
132	Molecular characterization of a high-affinity mouse glutamate transporter. Gene, 1995, 162, 271-274.	1.0	16
133	Expanded alternative splice isoform profiling of the mouse Cav3.1/Î±1G T-type calcium channel. BMC Molecular Biology, 2009, 10, 53.	3.0	16
134	Persistent aberrant cortical phaseâ€“amplitude coupling following seizure treatment in absence epilepsy models. Journal of Physiology, 2017, 595, 7249-7260.	1.3	16
135	Comparative Analytical Utility of DNA Derived from Alternative Human Specimens for Molecular Autopsy and Diagnostics. Journal of Molecular Diagnostics, 2012, 14, 451-457.	1.2	14
136	Calcium Channel Defects in Models of Inherited Generalized Epilepsy. Epilepsia, 2000, 41, 1074-1075.	2.6	13
137	Sodium Channel Gene Expression and Epilepsy. Novartis Foundation Symposium, 2008, , 109-123.	1.2	13
138	Arx expansion mutation perturbs cortical development by augmenting apoptosis without activating innate immunity in a mouse model of X-Linked Infantile Spasms Syndrome. DMM Disease Models and Mechanisms, 2020, 13, .	1.2	13
139	X-linked serotonin 2C receptor is associated with a non-canonical pathway for sudden unexpected death in epilepsy. Brain Communications, 2021, 3, fcab149.	1.5	13
140	2017 WONOEP appraisal: Studying epilepsy as a network disease using systems biology approaches. Epilepsia, 2019, 60, 1045-1053.	2.6	12
141	The Voltage-Gated Calcium Channel and Absence Epilepsy. , 2012, , 702-713.		12
142	Compromised maturation of GABAergic inhibition underlies abnormal network activity in the hippocampus of epileptic Ca2+ channel mutant mice, tottering. Pflugers Archiv European Journal of Physiology, 2015, 467, 737-752.	1.3	11
143	Hippocampal abnormalities and sudden childhood death. Forensic Science, Medicine, and Pathology, 2016, 12, 198-199.	0.6	11
144	Brainstem spreading depolarization: rapid descent into the shadow of SUDEP. Brain, 2019, 142, 231-233.	3.7	11

#	Article	IF	Citations
145	Night Watch on the Titanic: Detecting Early Signs of Epileptogenesis in Alzheimer Disease. Epilepsy Currents, 2020, 20, 369-374.	0.4	11
146	Voltage-gated calcium channel mutations andabsence epilepsy. Epilepsia, 2010, 51, 61-61.	2.6	10
147	Sodium channel gene expression and epilepsy. Novartis Foundation Symposium, 2002, 241, 109-20; discussion 120-3, 226-32.	1.2	8
148	Case 18-2013. New England Journal of Medicine, 2013, 368, 2304-2312.	13.9	7
149	Cortin disaster: Lissencephaly genes spelldouble trouble for the developing brain. Annals of Neurology, 1999, 45, 141-143.	2.8	6
150	Early 17Î²-estradiol treatment reduces seizures but not abnormal behaviour in mice with expanded polyalanine tracts in the Aristaless related homeobox gene (ARX). Neurobiology of Disease, 2021, 153, 105329.	2.1	6
151	How a Sodium Channel Mutation Causes Epilepsy. Epilepsy Currents, 2003, 3, 70-71.	0.4	5
152	Calcium Channel â€œGaitingâ€•and Absence Epilepsy. Epilepsy Currents, 2005, 5, 95-97.	0.4	5
153	Spontaneous Epileptic Mutations in the Mouse. , 2006, , 223-232.		5
154	SUDEP Animal Models. , 2017, , 1007-1018.		5
155	Mapt deletion fails to rescue premature lethality in two models of sodium channel epilepsy. Annals of Clinical and Translational Neurology, 2018, 5, 982-987.	1.7	5
156	Adrenergic agonist induces rhythmic firing in quiescent cardiac preganglionic neurons in nucleus ambiguous via activation of intrinsic membrane excitability. Journal of Neurophysiology, 2019, 121, 1266-1278.	0.9	5
157	Predicting the impact of sodium channel mutations in human brain disease. Epilepsia, 2019, 60, S8-S16.	2.6	5
158	Modeling Human Epilepsies in Mice. Epilepsia, 2001, 42, 11-15.	2.6	4
159	Early rescue of interneuron disease trajectory in developmental epilepsies. Current Opinion in Neurobiology, 2016, 36, 82-88.	2.0	4
160	The Next Decade of Research in the Basic Mechanisms of the Epilepsies. , 2012, , 3-11.		4
161	The Judith Hoyer Lecture: Genes, pixels, patterns, and prevention. Epilepsy and Behavior, 2006, 9, 379-385.	0.9	3
162	Visual Automated Fluorescence Electrophoresis Provides Simultaneous Quality, Quantity, and Molecular Weight Spectra for Genomic DNA from Archived Neonatal Blood Spots. Journal of Molecular Diagnostics, 2013, 15, 283-290.	1.2	3

#	Article	IF	Citations
163	Human Epilepsy Can Be Linked to a Defective Calcium Channel. Epilepsy Currents, 2002, 2, 95-95.	0.4	1
164	The Developing Epileptic Brain. Epilepsia, 2005, 46, 5-6.	2.6	1
165	Isolating Epilepsy Genes and Their Comorbidiites. Epilepsy and Seizure, 2010, 3, 72-83.	0.1	1
166	WONOEP XI: Workshop summary by the Scientific Organizing Committee. Epilepsia, 2012, 53, 1275-1276.	2.6	1
167	Gene Control of Cortical Excitability. , 1995, , 210-229.		1
168	Epilepsy geneticsâ€"considerations for clinical practice today and for the future. , 2020, , 243-268.		1
169	Ion Channelopathies and Heritable Epilepsy. Physiology, 1998, 13, 255-256.	1.6	0
170	Stiff Goats, Chloride Ions, and Idiopathic Generalized Epilepsy (IGE). Epilepsy Currents, 2003, 3, 146-147.	0.4	0
171	Comment. Epilepsia, 2006, 47, 1750-1751.	2.6	0
172	Pharmacoresistance: From Clinic to Mechanism Proceedings from the 25th Annual Merritt-Putnam Symposium American Epilepsy Society Annual Meeting December 3, 2005. Epilepsia, 2007, 48, 1-2.	2.6	0
173	2006 Merritt Putnam Symposium: Mapping Epileptic Circuitry. Epilepsia, 2008, 49, 1-2.	2.6	0
174	When a disease gene is not really a disease gene. Future Neurology, 2008, 3, 103-106.	0.9	0
175	Spontaneous and Gene-Directed Epilepsy Mutations in the Mouse. , 2017, , 763-776.		0
176	CBMT-23. MODULATION OF HYPERSYNAPTIC MICROENVIRONMENT DIFFERENTIALLY PROMOTES GLIOMAGENESIS ACROSS PIK3CA VARIANTS. Neuro-Oncology, 2018, 20, vi37-vi37.	0.6	0