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	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
2	Kcnq2/Kv7.2 controls the threshold and bi-hemispheric symmetry of cortical spreading depolarization. Brain, 2021, 144, 2863-2878.	3.7	19
3	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
4	Adult loss of Cacna1a in mice recapitulates childhood absence epilepsy by distinct thalamic bursting mechanisms. Brain, 2020, 143, 161-174.	3.7	17
5	Night Watch on the Titanic: Detecting Early Signs of Epileptogenesis in Alzheimer Disease. Epilepsy Currents, 2020, 20, 369-374.	0.4	11
6	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
7	PIK3CA variants selectively initiate brain hyperactivity during gliomagenesis. Nature, 2020, 578, 166-171.	13.7	131
8	Pathogenesis of peritumoral hyperexcitability in an immunocompetent CRISPR-based glioblastoma model. Journal of Clinical Investigation, 2020, 130, 2286-2300.	3.9	57
9	Î² spectrin-dependent and domain specific mechanisms for Na+ channel clustering. ELife, 2020, 9, .	2.8	17
10	Epilepsy geneticsâ€"considerations for clinical practice today and for the future. , 2020, , 243-268.		1
11	Therapeutic inhibition of mTORC2 rescues the behavioral and neurophysiological abnormalities associated with Pten-deficiency. Nature Medicine, 2019, 25, 1684-1690.	15.2	78
12	Brainstem spreading depolarization: rapid descent into the shadow of SUDEP. Brain, 2019, 142, 231-233.	3.7	11
13	2017 WONOEP appraisal: Studying epilepsy as a network disease using systems biology approaches. Epilepsia, 2019, 60, 1045-1053.	2.6	12
14	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
15	Predicting the impact of sodium channel mutations in human brain disease. Epilepsia, 2019, 60, S8-S16.	2.6	5
16	CBMT-23. MODULATION OF HYPERSYNAPTIC MICROENVIRONMENT DIFFERENTIALLY PROMOTES GLIOMAGENESIS ACROSS PIK3CA VARIANTS. Neuro-Oncology, 2018, 20, vi37-vi37.	0.6	0
17	Asynchronous suppression of visual cortex during absence seizures in stargazer mice. Nature Communications, 2018, 9, 1938.	5.8	33
18	Nav1.2 haplodeficiency in excitatory neurons causes absence-like seizures in mice. Communications Biology, 2018, 1, 96.	2.0	75

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19	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
20	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
21	Identification of diverse astrocyte populations and their malignant analogs. Nature Neuroscience, 2017, 20, 396-405.	7.1	410
22	Precision physiology and rescue of brain ion channel disorders. Journal of General Physiology, 2017, 149, 533-546.	0.9	29
23	Silent hippocampal seizures and spikes identified by foramen ovale electrodes in Alzheimer's disease. Nature Medicine, 2017, 23, 678-680.	15.2	283
24	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
25	Persistent aberrant cortical phaseâ€“amplitude coupling following seizure treatment in absence epilepsy models. Journal of Physiology, 2017, 595, 7249-7260.	1.3	16
26	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
27	SUDEP Animal Models. , 2017, , 1007-1018.		5
28	Spontaneous and Gene-Directed Epilepsy Mutations in the Mouse. , 2017, , 763-776.		0
29	Epileptic Seizures in Alzheimer Disease. Alzheimer Disease and Associated Disorders, 2016, 30, 186-192.	0.6	86
30	The Epilepsy Spectrum: Targeting Future Research Challenges. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a028043.	2.9	23
31	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
32	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
33	Hippocampal abnormalities and sudden childhood death. Forensic Science, Medicine, and Pathology, 2016, 12, 198-199.	0.6	11
34	Isolated P/Q Calcium Channel Deletion in Layer VI Corticothalamic Neurons Generates Absence Epilepsy. Journal of Neuroscience, 2016, 36, 405-418.	1.7	53
35	Early rescue of interneuron disease trajectory in developmental epilepsies. Current Opinion in Neurobiology, 2016, 36, 82-88.	2.0	4
36	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

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37	Sudden unexpected death in epilepsy: Identifying risk and preventing mortality. Epilepsia, 2015, 56, 1700-1706.	2.6	88
38	Pathway-driven discovery of epilepsy genes. Nature Neuroscience, 2015, 18, 344-350.	7.1	158
39	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
40	Spreading depolarization in the brainstem mediates sudden cardiorespiratory arrest in mouse SUDEP models. Science Translational Medicine, 2015, 7, 282ra46.	5.8	258
41	Single-Gene Determinants of Epilepsy Comorbidity. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a022756.	2.9	33
42	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
43	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
44	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
45	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
46	Neonatal Estradiol Stimulation Prevents Epilepsy in Arx Model of X-Linked Infantile Spasms Syndrome. Science Translational Medicine, 2014, 6, 220ra12.	5.8	58
47	Monogenic models of absence epilepsy. Progress in Brain Research, 2014, 213, 223-252.	0.9	58
48	Highâ€resolution molecular genomic autopsy reveals complex sudden unexpected death in epilepsy risk profile. Epilepsia, 2014, 55, e6-12.	2.6	76
49	Reduced Cognition in Syngap1 Mutants Is Caused by Isolated Damage within Developing Forebrain Excitatory Neurons. Neuron, 2014, 82, 1317-1333.	3.8	118
50	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
51	Bexarotene reduces network excitability in models of Alzheimer's disease and epilepsy. Neurobiology of Aging, 2014, 35, 2091-2095.	1.5	51
52	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
53	Tau Loss Attenuates Neuronal Network Hyperexcitability in Mouse andDrosophilaGenetic Models of Epilepsy. Journal of Neuroscience, 2013, 33, 1651-1659.	1.7	195
54	Case 18-2013. New England Journal of Medicine, 2013, 368, 2304-2312.	13.9	7

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55	Novel brain expression of ClC-1 chloride channels and enrichment of CLCN1 variants in epilepsy. Neurology, 2013, 80, 1078-1085.	1.5	43
56	Issues related to development of new antiseizure treatments. Epilepsia, 2013, 54, 24-34.	2.6	74
57	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
58	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
59	NOVA-dependent regulation of cryptic NMD exons controls synaptic protein levels after seizure. ELife, 2013, 2, e00178.	2.8	92
60	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
61	Ablation of Steroid Receptor Coactivator-3 Resembles the Human CACT Metabolic Myopathy. Cell Metabolism, 2012, 15, 752-763.	7.2	36
62	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
63	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
64	Interneuron, interrupted: molecular pathogenesis of ARX mutations and X-linked infantile spasms. Current Opinion in Neurobiology, 2012, 22, 859-865.	2.0	60
65	Identification of new epilepsy treatments: Issues in preclinical methodology. Epilepsia, 2012, 53, 571-582.	2.6	219
66	WONOEP XI: Workshop summary by the Scientific Organizing Committee. Epilepsia, 2012, 53, 1275-1276.	2.6	1
67	The Next Decade of Research in the Basic Mechanisms of the Epilepsies. , 2012, , 3-11.		4
68	The Voltage-Gated Calcium Channel and Absence Epilepsy. , 2012, , 702-713.		12
69	Exome Sequencing of Ion Channel Genes Reveals Complex Profiles Confounding Personal Risk Assessment in Epilepsy. Cell, 2011, 145, 1036-1048.	13.5	274
70	Suppression of PKR Promotes Network Excitability and Enhanced Cognition by Interferon-Î³-Mediated Disinhibition. Cell, 2011, 147, 1384-1396.	13.5	182
71	A perfect storm: Converging paths of epilepsy and Alzheimerâ€™s dementia intersect in the hippocampal formation. Epilepsia, 2011, 52, 39-46.	2.6	211
72	Disruption of the NF-ÎºB/IÎºBÎ± Autoinhibitory Loop Improves Cognitive Performance and Promotes Hyperexcitability of Hippocampal Neurons. Molecular Neurodegeneration, 2011, 6, 42.	4.4	18

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73	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
74	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
75	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
76	MeCP2 Is Critical within HoxB1-Derived Tissues of Mice for Normal Lifespan. Journal of Neuroscience, 2011, 31, 10359-10370.	1.7	75
77	Knockout of Zn Transporters Zip-1 and Zip-3 Attenuates Seizure-Induced CA1 Neurodegeneration. Journal of Neuroscience, 2011, 31, 97-104.	1.7	66
78	Genetic testing in the epilepsiesâ€"Report of the ILAE Genetics Commission. Epilepsia, 2010, 51, 655-670.	2.6	175
79	â€œJasperâ€™s Basic Mechanisms of the Epilepsiesâ€•Workshop. Epilepsia, 2010, 51, 1-5.	2.6	30
80	Voltage-gated calcium channel mutations andabsence epilepsy. Epilepsia, 2010, 51, 61-61.	2.6	10
81	Dysfunction in GABA signalling mediates autism-like stereotypies and Rett syndrome phenotypes. Nature, 2010, 468, 263-269.	13.7	1,042
82	Deletion of the potassium channel Kv12.2 causes hippocampal hyperexcitability and epilepsy. Nature Neuroscience, 2010, 13, 1056-1058.	7.1	62
83	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
84	Isolating Epilepsy Genes and Their Comorbidiites. Epilepsy and Seizure, 2010, 3, 72-83.	0.1	1
85	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
86	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
87	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
88	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
89	Sodium Channel Î²1 Regulatory Subunit Deficiency Reduces Pancreatic Islet Glucose-Stimulated Insulin and Glucagon Secretion. Endocrinology, 2009, 150, 1132-1139.	1.4	21
90	Expanded alternative splice isoforms profiling of the mouse Cav3.1/Î±1G T-type calcium channel. BMC Molecular Biology, 2009, 10, 53.	3.0	16

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91	Curing epilepsy: Progress and future directions. Epilepsy and Behavior, 2009, 14, 438-445.	0.9	106
92	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
93	2006 Merritt Putnam Symposium: Mapping Epileptic Circuitry. Epilepsia, 2008, 49, 1-2.	2.6	0
94	Sensorineural Deafness and Seizures in Mice Lacking Vesicular Glutamate Transporter 3. Neuron, 2008, 57, 263-275.	3.8	340
95	When a disease gene is not really a disease gene. Future Neurology, 2008, 3, 103-106.	0.9	0
96	Sodium Channel Gene Expression and Epilepsy. Novartis Foundation Symposium, 2008, , 109-123.	1.2	13
97	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
98	Sodium channel Scn1b null mice exhibit prolonged QT and RR intervals. Journal of Molecular and Cellular Cardiology, 2007, 43, 636-647.	0.9	123
99	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
100	Masking epilepsy by combining two epilepsy genes. Nature Neuroscience, 2007, 10, 1554-1558.	7.1	169
101	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
102	The Judith Hoyer Lecture: Genes, pixels, patterns, and prevention. Epilepsy and Behavior, 2006, 9, 379-385.	0.9	3
103	Comment. Epilepsia, 2006, 47, 1750-1751.	2.6	0
104	A mouse model for Glut-1 haploinsufficiency. Human Molecular Genetics, 2006, 15, 1169-1179.	1.4	165
105	Spontaneous Epileptic Mutations in the Mouse. , 2006, , 223-232.		5
106	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
107	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
108	Calcium Channel â€œGaitingâ€•and Absence Epilepsy. Epilepsy Currents, 2005, 5, 95-97.	0.4	5

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109	The Developing Epileptic Brain. Epilepsia, 2005, 46, 5-6.	2.6	1
110	Mice lacking Dlx1 show subtype-specific loss of interneurons, reduced inhibition and epilepsy. Nature Neuroscience, 2005, 8, 1059-1068.	7.1	458
111	BK channel Î²4 subunit reduces dentate gyrus excitability and protects against temporal lobe seizures. Nature Neuroscience, 2005, 8, 1752-1759.	7.1	321
112	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
113	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
114	Genetic mouse models of essential tremor: are they essential?. Journal of Clinical Investigation, 2005, 115, 584-586.	3.9	31
115	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
116	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
117	Mild overexpression of MeCP2 causes a progressive neurological disorder in mice. Human Molecular Genetics, 2004, 13, 2679-2689.	1.4	540
118	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
119	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
120	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
121	Exploring New Gene Discoveries in Idiopathic Generalizedâ€ƒEpilepsy. Epilepsia, 2003, 44, 16-21.	2.6	60
122	How a Sodium Channel Mutation Causes Epilepsy. Epilepsy Currents, 2003, 3, 70-71.	0.4	5
123	Stiff Goats, Chloride Ions, and Idiopathic Generalized Epilepsy (IGE). Epilepsy Currents, 2003, 3, 146-147.	0.4	0
124	Topiramate alters excitatory synaptic transmission in mouse hippocampus. Epilepsy Research, 2003, 55, 225-233.	0.8	50
125	THEBIOLOGY OFEPILEPSYGENES. Annual Review of Neuroscience, 2003, 26, 599-625.	5.0	273
126	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

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127	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
128	Mice with Truncated MeCP2 Recapitulate Many Rett Syndrome Features and Display Hyperacetylation of Histone H3. Neuron, 2002, 35, 243-254.	3.8	723
129	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
130	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
131	Models for Epilepsy and Epileptogenesis: Report from the NIH Workshop, Bethesda, Maryland. Epilepsia, 2002, 43, 1410-1420.	2.6	124
132	Human Epilepsy Can Be Linked to a Defective Calcium Channel. Epilepsy Currents, 2002, 2, 95-95.	0.4	1
133	Sodium channel gene expression and epilepsy. Novartis Foundation Symposium, 2002, 241, 109-20; discussion 120-3, 226-32.	1.2	8
134	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
135	Presynaptic Ca²⁺Channels and Neurotransmitter Release at the Terminal of a Mouse Cortical Neuron. Journal of Neuroscience, 2001, 21, 3721-3728.	1.7	95
136	Rocker Is a New Variant of the Voltage-Dependent Calcium Channel GeneCacna1a. Journal of Neuroscience, 2001, 21, 1169-1178.	1.7	143
137	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
138	Modeling Human Epilepsies in Mice. Epilepsia, 2001, 42, 11-15.	2.6	4
139	Modeling Human Epilepsies in Mice. Epilepsia, 2001, 42, 11-15.	2.6	18
140	Large expansion of the ATTCT pentanucleotide repeat in spinocerebellar ataxia type 10. Nature Genetics, 2000, 26, 191-194.	9.4	505
141	Calcium Channel Defects in Models of Inherited Generalized Epilepsy. Epilepsia, 2000, 41, 1074-1075.	2.6	13
142	Genetic Localization of the Ca2+ Channel Gene CACNG2 Near SCA10 on Chromosome 22q13. Epilepsia, 2000, 41, 24-27.	2.6	78
143	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
144	Presynaptic Ca²⁺Influx at a Mouse Central Synapse with Ca²⁺Channel Subunit Mutations. Journal of Neuroscience, 2000, 20, 163-170.	1.7	141

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145	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
146	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
147	Single gene defects in mice: the role of voltage-dependent calcium channels in absence models. Epilepsy Research, 1999, 36, 111-122.	0.8	85
148	Selective localization of cardiac SCN5A sodium channels in limbic regions of rat brain. Nature Neuroscience, 1999, 2, 593-595.	7.1	166
149	Voltage-Dependent Calcium Channel Mutations in Neurological Disease. Annals of the New York Academy of Sciences, 1999, 868, 199-212.	1.8	54
150	Cortin disaster: Lissencephaly genes spelldouble trouble for the developing brain. Annals of Neurology, 1999, 45, 141-143.	2.8	6
151	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
152	Progressive ataxia, myoclonic epilepsy and cerebellar apoptosis in cystatin B-deficient mice. Nature Genetics, 1998, 20, 251-258.	9.4	332
153	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
154	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
155	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
156	Ion Channelopathies and Heritable Epilepsy. Physiology, 1998, 13, 255-256.	1.6	0
157	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
158	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
159	Sodium/Hydrogen Exchanger Gene Defect in Slow-Wave Epilepsy Mutant Mice. Cell, 1997, 91, 139-148.	13.5	260
160	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
161	Targeting Epilepsy Genes. Neuron, 1996, 16, 241-244.	3.8	135
162	Hypomyelination alters K+ channel expression in mouse mutants shiverer and Trembler. Neuron, 1995, 15, 1337-1347.	3.8	89

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163	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
164	Molecular characterization of a high-affinity mouse glutamate transporter. Gene, 1995, 162, 271-274.	1.0	16
165	Gene Control of Cortical Excitability. , 1995, , 210-229.		1
166	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
167	Localization and modulatory actions of zinc in vertebrate retina. Vision Research, 1993, 33, 2611-2616.	0.7	149
168	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
169	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
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