

Amy L Brewster

List of Publications by Year in descending order

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37
papers

2,439
citations

257450

24
h-index

395702

33
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37
all docs

37
docs citations

37
times ranked

2942
citing authors

#	ARTICLE	IF	CITATIONS
1	Developmental Febrile Seizures Modulate Hippocampal Gene Expression of Hyperpolarization-Activated Channels in an Isoform- and Cell-Specific Manner. <i>Journal of Neuroscience</i> , 2002, 22, 4591-4599.	3.6	252
2	Neuronal Hyperactivity Accelerates Depletion of Neural Stem Cells and Impairs Hippocampal Neurogenesis. <i>Cell Stem Cell</i> , 2015, 16, 488-503.	11.1	226
3	Fever, febrile seizures and epilepsy. <i>Trends in Neurosciences</i> , 2007, 30, 490-496.	8.6	196
4	Enhanced Expression of a Specific Hyperpolarization-Activated Cyclic Nucleotide-Gated Cation Channel (HCN) in Surviving Dentate Gyrus Granule Cells of Human and Experimental Epileptic Hippocampus. <i>Journal of Neuroscience</i> , 2003, 23, 6826-6836.	3.6	179
5	Febrile seizures: Mechanisms and relationship to epilepsy. <i>Brain and Development</i> , 2009, 31, 366-371.	1.1	163
6	Neuronal Hyperactivity Disturbs ATP Microgradients, Impairs Microglial Motility, and Reduces Phagocytic Receptor Expression Triggering Apoptosis/Microglial Phagocytosis Uncoupling. <i>PLoS Biology</i> , 2016, 14, e1002466.	5.6	140
7	Formation of heteromeric hyperpolarization-activated cyclic nucleotide-gated (HCN) channels in the hippocampus is regulated by developmental seizures. <i>Neurobiology of Disease</i> , 2005, 19, 200-207.	4.4	113
8	Inhibition of the mammalian target of rapamycin blocks epilepsy progression in NS-Pten conditional knockout mice. <i>Epilepsia</i> , 2011, 52, 2065-2075.	5.1	99
9	Rapamycin Reverses Status Epilepticus-Induced Memory Deficits and Dendritic Damage. <i>PLoS ONE</i> , 2013, 8, e57808.	2.5	94
10	Mechanisms of seizure-induced α -transcriptional channelopathy TM of hyperpolarization-activated cyclic nucleotide gated (HCN) channels. <i>Neurobiology of Disease</i> , 2008, 29, 297-305.	4.4	82
11	mTOR inhibition suppresses established epilepsy in a mouse model of cortical dysplasia. <i>Epilepsia</i> , 2015, 56, 636-646.	5.1	82
12	Postnatal Expression Pattern of HCN Channel Isoforms in Thalamic Neurons: Relationship to Maturation of Thalamocortical Oscillations. <i>Journal of Neuroscience</i> , 2009, 29, 8847-8857.	3.6	79
13	Regulated expression of HCN channels and cAMP levels shape the properties of the h current in developing rat hippocampus. <i>European Journal of Neuroscience</i> , 2006, 24, 94-104.	2.6	75
14	Status Epilepticus Triggers Time-Dependent Alterations in Microglia Abundance and Morphological Phenotypes in the Hippocampus. <i>Frontiers in Neurology</i> , 2017, 8, 700.	2.4	68
15	Localization of HCN1 Channels to Presynaptic Compartments: Novel Plasticity That May Contribute to Hippocampal Maturation. <i>Journal of Neuroscience</i> , 2007, 27, 4697-4706.	3.6	65
16	Functional stabilization of weakened thalamic pacemaker channel regulation in rat absence epilepsy. <i>Journal of Physiology</i> , 2006, 575, 83-100.	2.9	64
17	Enhanced classical complement pathway activation and altered phagocytosis signaling molecules in human epilepsy. <i>Experimental Neurology</i> , 2017, 295, 184-193.	4.1	62
18	Activity-dependent heteromerization of the hyperpolarization-activated, cyclic nucleotide gated (HCN) channels: role of N-linked glycosylation. <i>Journal of Neurochemistry</i> , 2008, 105, 68-77.	3.9	52

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19	Status epilepticus triggers long-lasting activation of complement C1q-C3 signaling in the hippocampus that correlates with seizure frequency in experimental epilepsy. <i>Neurobiology of Disease</i> , 2018, 109, 163-173.	4.4	51
20	Kv4.2 knockout mice have hippocampal-dependent learning and memory deficits. <i>Learning and Memory</i> , 2012, 19, 182-189.	1.3	48
21	Spatiotemporal profile of Map2 and microglial changes in the hippocampal CA1 region following pilocarpine-induced status epilepticus. <i>Scientific Reports</i> , 2016, 6, 24988.	3.3	45
22	Autonomic and cellular mechanisms mediating detrimental cardiac effects of status epilepticus. <i>Epilepsy Research</i> , 2010, 91, 66-73.	1.6	44
23	Differential Dorso-ventral Distributions of Kv4.2 and HCN Proteins Confer Distinct Integrative Properties to Hippocampal CA1 Pyramidal Cell Distal Dendrites. <i>Journal of Biological Chemistry</i> , 2012, 287, 17656-17661.	3.4	43
24	Hyperpolarization-activated cation current Ih of dentate gyrus granule cells is upregulated in human and rat temporal lobe epilepsy. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 156-160.	2.1	34
25	Emerging Roles for Microglial Phagocytic Signaling in Epilepsy. <i>Epilepsy Currents</i> , 2020, 20, 33-38.	0.8	31
26	Early cardiac electrographic and molecular remodeling in a model of status epilepticus and acquired epilepsy. <i>Epilepsia</i> , 2016, 57, 1907-1915.	5.1	19
27	Early treatment with C1 esterase inhibitor improves weight but not memory deficits in a rat model of status epilepticus. <i>Physiology and Behavior</i> , 2019, 212, 112705.	2.1	11
28	Suppression of Microgliosis With the Colony-Stimulating Factor 1 Receptor Inhibitor PLX3397 Does Not Attenuate Memory Defects During Epileptogenesis in the Rat. <i>Frontiers in Neurology</i> , 2021, 12, 651096.	2.4	8
29	Human Microglia Seize the Chance to be Different. <i>Epilepsy Currents</i> , 2019, 19, 190-192.	0.8	6
30	Repeated Use of the Psychoactive Substance Ethylphenidate Impacts Neurochemistry and Reward Learning in Adolescent Male and Female Mice. <i>Frontiers in Neuroscience</i> , 2019, 13, 124.	2.8	3
31	Hit by a Smooth CD8: T-Cell Attack on Hippocampal Neurons Triggers Limbic Encephalitis and Epilepsy. <i>Epilepsy Currents</i> , 2021, 21, 369-371.	0.8	2
32	Seizing the Alzheimer's Brain: A Role for Sirtuin 3 in Hyperexcitability. <i>Epilepsy Currents</i> , 2020, 20, 224-226.	0.8	1
33	Increased expression of Fragile X mental retardation protein in malformative lesions of patients with focal cortical dysplasia. <i>NeuroReport</i> , 2020, 31, 1036-1041.	1.2	1
34	Relationship Status Update on Astrocytic VEGFR-3 and mTOR Signaling: It's Complicated. <i>Epilepsy Currents</i> , 2021, 21, 117-119.	0.8	1
35	Getting Excited Through Cyclin: A Role for Endothelial Cdk5 Signaling in Hippocampal Hyperexcitability. <i>Epilepsy Currents</i> , 2020, 20, 396-398.	0.8	0
36	Dendritic and Spine Loss in Epilepsy: What Seizures Got to Do With It?. <i>Epilepsy Currents</i> , 2021, 21, 186-188.	0.8	0

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37	A REST paradox: Does it control or enhance neural activity?. <i>Epilepsy Currents</i> , 0, , 153575972210815.	0.8	0