Timothy A Simeone

List of Publications by Year
in descending order

34 papers	1,487 citations	394421 19 h-index	414414 32 g-index
34 all docs	34 docs citations	34 times ranked	1883 citing authors

#	Article	IF	Citations
1	Ascorbic Acid Reduces Neurotransmission, Synaptic Plasticity, and Spontaneous Hippocampal Rhythms in In Vitro Slices. Nutrients, 2022, 14, 613.	4.1	7
2	Carbamazepine Reduces Sharp Wave-Ripple Complexes and Exerts Synapse-Specific Inhibition of Neurotransmission in Ex Vivo Hippocampal Slices. Brain Sciences, 2021, 11, 787.	2.3	4
3	Ketogenic dietâ€“mediated seizure reduction preserves CA1 cell numbers in epileptic Kcna1â€null mice: An unbiased stereological assessment. Epilepsia, 2021, 62, e123-e128.	5.1	5
4	Pharmacoresponsiveness of spontaneous recurrent seizures and the comorbid sleep disorder of epileptic Kcna1-null mice. European Journal of Pharmacology, 2021, 913, 174656.	3.5	9
5	Changes in lipid profiles of epileptic mouse model. Metabolomics, 2020, 16, 106.	3.0	7
6	Aberrant energy metabolism and redox balance in seizure onset zones of epileptic patients. Journal of Proteomics, 2020, 223, 103812.	2.4	4
7	Progressive cardiorespiratory dysfunction in Kv1.1 knockout mice may provide temporal biomarkers of pending sudden unexpected death in epilepsy (SUDEP): The contribution of orexin. Epilepsia, 2020, 61, 572-588.	5.1	19
8	Respiratory dysfunction progresses with age in Kcna1â€null mice, a model of sudden unexpected death in epilepsy. Epilepsia, 2018, 59, 345-357.	5.1	52
9	Do ketone bodies mediate the anti-seizure effects of the ketogenic diet?. Neuropharmacology, 2018, 133, 233-241.	4.1	111
10	Adenosine has two faces: Regionally dichotomous adenosine tone in a model of epilepsy with comorbid sleep disorders. Neurobiology of Disease, 2018, 114, 45-52.	4.4	9
11	Accumulation of rest deficiency precedes sudden death of epileptic Kv1.1 knockout mice, a model of sudden unexpected death in epilepsy. Epilepsia, 2018, 59, 92-105.	5.1	25
12	Ketogenic diet regulates the antioxidant catalase via the transcription factor PPARÎ³2. Epilepsy Research, 2018, 147, 71-74.	1.6	24
13	Ketone Bodies as Anti-Seizure Agents. Neurochemical Research, 2017, 42, 2011-2018.	3.3	67
14	Synergistic protection against acute flurothylâ€induced seizures by adjuvant treatment of the ketogenic diet with the type 2 diabetes drug pioglitazone. Epilepsia, 2017, 58, 1440-1450.	5.1	17
15	Regulation of brain PPARgamma2 contributes to ketogenic diet anti-seizure efficacy. Experimental Neurology, 2017, 287, 54-64.	4.1	70
16	Ketogenic diet treatment increases longevity in Kcna1â€null mice, a model of sudden unexpected death in epilepsy. Epilepsia, 2016, 57, e178-82.	5.1	53
17	Orexin Receptor Antagonism Improves Sleep and Reduces Seizures inKcna1-null Mice. Sleep, 2016, 39, 357-368.	1.1	61
18	Ketone bodies mediate antiseizure effects through mitochondrial permeability transition. Annals of Neurology, 2015, 78, 77-87.	5.3	151

#	Article	IF	Citations
19	In vivo ketogenic diet treatment attenuates pathologic sharp waves and high frequency oscillations in in vitro hippocampal slices from epileptic K_v1.1Î± knockout mice. Epilepsia, 2014, 55, e44-e49.	5.1	39
20	Targeting deficiencies in mitochondrial respiratory complex I and functional uncoupling exerts anti-seizure effects in a genetic model of temporal lobe epilepsy and in a model of acute temporal lobe seizures. Experimental Neurology, 2014, 251, 84-90.	4.1	56
21	Loss of the Kv1.1 potassium channel promotes pathologic sharp waves and high frequency oscillations in in vitro hippocampal slices. Neurobiology of Disease, 2013, 54, 68-81.	4.4	57
22	Topiramate modulation of Î²1- and Î²3-homomeric GABAA receptors. Pharmacological Research, 2011, 64, 44-52.	7.1	17
23	L-Type calcium channel blockade reduces network activity in human epileptic hypothalamic hamartoma tissue. Epilepsia, 2011, 52, 531-540.	5.1	19
24	cAMP-Dependent protein kinase A activity modulates topiramate potentiation of GABAA receptors. Epilepsy Research, 2011, 96, 176-179.	1.6	5
25	Mechanisms of Antiepileptic Drug Action. , 2010, , 123-141.		1
26	GABA_A receptorâ€mediated activation of Lâ€type calcium channels induces neuronal excitation in surgically resected human hypothalamic hamartomas. Epilepsia, 2008, 49, 861-871.	5.1	67
27	Mechanisms of seizure-induced â€˜transcriptional channelopathyâ€™ of hyperpolarization-activated cyclic nucleotide gated (HCN) channels. Neurobiology of Disease, 2008, 29, 297-305.	4.4	82
28	Ketone bodies are protective against oxidative stress in neocortical neurons. Journal of Neurochemistry, 2007, 101, 1316-1326.	3.9	170
29	Hypothalamic Hamartoma: Basic Mechanisms of Intrinsic Epileptogenesis. Seminars in Pediatric Neurology, 2007, 14, 51-59.	2.0	89
30	Subunit selectivity of topiramate modulation of heteromeric GABAA receptors. Neuropharmacology, 2006, 50, 845-857.	4.1	59
31	Felbamate is a subunit selective modulator of recombinant Î³-aminobutyric acid type A receptors expressed in Xenopus oocytes. European Journal of Pharmacology, 2006, 552, 31-35.	3.5	11
32	Modulation by Topiramate of AMPA and Kainate Mediated Calcium Influx in Cultured Cerebral Cortical, Hippocampal and Cerebellar Neurons. Neurochemical Research, 2004, 29, 275-282.	3.3	64
33	Molecular Biology and Ontogeny of Î³-Aminobutyric Acid (GABA) Receptors in the Mammalian Central Nervous System. Journal of Child Neurology, 2003, 18, 39-48.	1.4	53
34	Functional MRI Correlates of Carbon Dioxide Chemosensing in Persons With Epilepsy. Frontiers in Neurology, 0, 13, .	2.4	3