Tore Eid

List of Publications by Year
in descending order

81 papers	3,417 citations	159585 30 h-index	144013 57 g-index
82 all docs	82 docs citations	82 times ranked	4370 citing authors

#	Article	IF	Citations
1	Imaging synaptic density in the living human brain. Science Translational Medicine, 2016, 8, 348ra96.	12.4	343
2	Delayed K+ clearance associated with aquaporin-4 mislocalization: Phenotypic defects in brains of Â-syntrophin-null mice. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13615-13620.	7.1	324
3	Astrocytic regulation of glutamate homeostasis in epilepsy. Glia, 2012, 60, 1215-1226.	4.9	256
4	Loss of perivascular aquaporin 4 may underlie deficient water and K+ homeostasis in the human epileptogenic hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1193-1198.	7.1	241
5	A Retrospective Analysis of Hippocampal Pathology in Human Temporal Lobe Epilepsy: Evidence for Distinctive Patient Subcategories. Epilepsia, 2003, 44, 677-687.	5.1	233
6	Aquaporin-4 is increased in the sclerotic hippocampus in human temporal lobe epilepsy. Acta Neuropathologica, 2004, 108, 493-502.	7.7	129
7	Recurrent seizures and brain pathology after inhibition of glutamine synthetase in the hippocampus in rats. Brain, 2008, 131, 2061-2070.	7.6	129
8	Glutamate and astrocytesâ€"Key players in human mesial temporal lobe epilepsy?. Epilepsia, 2008, 49, 42-52.	5.1	127
9	Gene Expression in Temporal Lobe Epilepsy is Consistent with Increased Release of Glutamate by Astrocytes. Molecular Medicine, 2007, 13, 1-13.	4.4	121
10	Regulation of astrocyte glutamine synthetase in epilepsy. Neurochemistry International, 2013, 63, 670-681.	3.8	94
11	Loss of Perivascular Kir4.1 Potassium Channels in the Sclerotic Hippocampus of Patients With Mesial Temporal Lobe Epilepsy. Journal of Neuropathology and Experimental Neurology, 2012, 71, 814-825.	1.7	92
12	Elevated basal glutamate and unchanged glutamine and GABA in refractory epilepsy: Microdialysis study of 79 patients at the yale epilepsy surgery program. Annals of Neurology, 2016, 80, 35-45.	5.3	71
13	GAT1 and GAT3 expression are differently localized in the human epileptogenic hippocampus. Acta Neuropathologica, 2006, 111, 351-363.	7.7	61
14	Glutamate receptor subunits GluR1 and GluR2/3 distribution shows reorganization in the human epileptogenic hippocampus. European Journal of Neuroscience, 1998, 10, 1687-1703.	2.6	57
15	Roles of Glutamine Synthetase Inhibition in Epilepsy. Neurochemical Research, 2012, 37, 2339-2350.	3.3	57
16	The Glutamateâ€"Glutamine Cycle in Epilepsy. Advances in Neurobiology, 2016, 13, 351-400.	1.8	57
17	Increased Expression of Erythropoietin Receptor on Blood Vessels in the Human Epileptogenic Hippocampus with Sclerosis. Journal of Neuropathology and Experimental Neurology, 2004, 63, 73-83.	1.7	50
18	Evidence for astrocytes as a potential source of the glutamate excess in temporal lobe epilepsy. Neurobiology of Disease, 2012, 47, 331-337.	4.4	49

#	Article	IF	Citations
19	Recombinant Human Erythropoietin for Neuroprotection: What Is the Evidence?. Clinical Breast Cancer, 2002, 3, S109-S115.	2.4	48
20	The development of recurrent seizures after continuous intrahippocampal infusion of methionine sulfoximine in rats. Experimental Neurology, 2009, 220, 293-302.	4.1	47
21	Differential Glutamate Dehydrogenase (GDH) Activity Profile in Patients with Temporal Lobe Epilepsy. Epilepsia, 2006, 47, 1292-1299.	5.1	46
22	Altered expression of brain monocarboxylate transporter 1 in models of temporal lobe epilepsy. Neurobiology of Disease, 2012, 45, 165-176.	4.4	45
23	Astrocytes and Glutamine Synthetase in Epileptogenesis. Journal of Neuroscience Research, 2019, 97, 1345-1362.	2.9	45
24	Increased expression of phosphate-activated glutaminase in hippocampal neurons in human mesial temporal lobe epilepsy. Acta Neuropathologica, 2007, 113, 137-152.	7.7	43
25	Monocarboxylate transporter 1 is deficient on microvessels in the human epileptogenic hippocampus. Neurobiology of Disease, 2011, 41, 577-584.	4.4	43
26	Evidence for altered insulin receptor signaling in Alzheimer's disease. Neuropharmacology, 2018, 136, 202-215.	4.1	43
27	Axon-terminals expressing EAAT2 (GLT-1; Slc1a2) are common in the forebrain and not limited to the hippocampus. Neurochemistry International, 2019, 123, 101-113.	3.8	41
28	Selective deletion of glutamine synthetase in the mouse cerebral cortex induces glial dysfunction and vascular impairment that precede epilepsy and neurodegeneration. Neurochemistry International, 2019, 123, 22-33.	3.8	39
29	Novel aspects of glutamine synthetase in ammonia homeostasis. Neurochemistry International, 2020, 140, 104809.	3.8	36
30	Monocarboxylate transporters in temporal lobe epilepsy: roles of lactate and ketogenic diet. Brain Structure and Function, 2015, 220, 1-12.	2.3	33
31	Network evolution in mesial temporal lobe epilepsy revealed by diffusion tensor imaging. Epilepsia, 2017, 58, 824-834.	5.1	31
32	Novel expression of AMPA-receptor subunit GluR1 on mossy cells and CA3 pyramidal neurons in the human epileptogenic hippocampus. European Journal of Neuroscience, 2002, 15, 517-527.	2.6	30
33	Ultrastructure and immunocytochemical distribution of GABA in layer III of the rat medial entorhinal cortex following aminooxyacetic acid-induced seizures. Experimental Brain Research, 1999, 125, 463-475.	1.5	28
34	Redistribution of monocarboxylate transporter 2 on the surface of astrocytes in the human epileptogenic hippocampus. Glia, 2012, 60, 1172-1181.	4.9	26
35	Impaired Glutamatergic Neurotransmission in the Ventromedial Hypothalamus May Contribute to Defective Counterregulation in Recurrently Hypoglycemic Rats. Diabetes, 2017, 66, 1979-1989.	0.6	21
36	Human and rodent temporal lobe epilepsy is characterized by changes in O-GlcNAc homeostasis that can be reversed to dampen epileptiform activity. Neurobiology of Disease, 2019, 124, 531-543.	4.4	19

#	Article	IF	Citations
37	Evaluating the effect of switching to non-menthol cigarettes among current menthol smokers: an empirical study of a potential ban of characterising menthol flavour in cigarettes. Tobacco Control, 2020, 29, tobaccocontrol-2019-055154.	3.2	18
38	Astroglial Glutamine Synthetase and the Pathogenesis of Mesial Temporal Lobe Epilepsy. Frontiers in Neurology, 2021, 12, 665334.	2.4	18
39	Disruption of Inhibition in Area CA1 of the Hippocampus in a Rat Model of Temporal Lobe Epilepsy. Journal of Neurophysiology, 2001, 86, 2231-2245.	1.8	17
40	Gene expression of glutamate metabolizing enzymes in the hippocampal formation in human temporal lobe epilepsy. Epilepsia, 2013, 54, 228-238.	5.1	17
41	Gene expression in the epileptic (EL) mouse hippocampus. Neurobiology of Disease, 2021, 147, 105152.	4.4	17
42	5-Aminovaleric acid suppresses the development of severe seizures in the methionine sulfoximine model of mesial temporal lobe epilepsy. Neurobiology of Disease, 2014, 67, 18-23.	4.4	16
43	Effects of site-specific infusions of methionine sulfoximine on the temporal progression of seizures in a rat model of mesial temporal lobe epilepsy. Epilepsy Research, 2015, 115, 45-54.	1.6	16
44	Progressive neuronal activation accompanies epileptogenesis caused by hippocampal glutamine synthetase inhibition. Experimental Neurology, 2017, 288, 122-133.	4.1	16
45	Cerebrospinal fluid untargeted metabolomic profiling of aneurysmal subarachnoid hemorrhage: an exploratory study. British Journal of Neurosurgery, 2018, 32, 637-641.	0.8	15
46	Inhibition of glutamine synthetase in the central nucleus of the amygdala induces anhedonic behavior and recurrent seizures in a rat model of mesial temporal lobe epilepsy. Epilepsy and Behavior, 2015, 51, 96-103.	1.7	14
47	Branched-Chain Amino Acids and Seizures: A Systematic Review of the Literature. CNS Drugs, 2019, 33, 755-770.	5.9	12
48	Novel biomarker identification using metabolomic profiling to differentiate radiation necrosis and recurrent tumor following Gamma Knife radiosurgery. Journal of Neurosurgery, 2017, 127, 388-396.	1.6	11
49	Network-Related Changes in Neurotransmitters and Seizure Propagation During Rodent Epileptogenesis. Neurology, 2021, 96, e2261-e2271.	1.1	11
50	Reassessing the role of astrocytes in ammonia neurotoxicity. Nature Medicine, 2013, 19, 1572-1574.	30.7	10
51	Epilepsy Benchmarks Area II: Prevent Epilepsy and Its Progression. Epilepsy Currents, 2020, 20, 14S-22S.	0.8	9
52	Effects of Branched-Chain Amino Acid Supplementation on Spontaneous Seizures and Neuronal Viability in a Model of Mesial Temporal Lobe Epilepsy. Journal of Neurosurgical Anesthesiology, 2019, 31, 247-256.	1.2	8
53	Small loci of astroglial glutamine synthetase deficiency in the postnatal brain cause epileptic seizures and impaired functional connectivity. Epilepsia, 2021, 62, 2858-2870.	5.1	7
54	Threshold dose for intravenous nicotine self-administration in young adult non-dependent smokers. Psychopharmacology, 2021, 238, 2083-2090.	3.1	6

#	Article	IF	Citations
55	Increased branchedâ€chain amino acids at baseline and hours before a spontaneous seizure in the human epileptic brain. Epilepsia, 2021, 62, e88-e97.	5.1	6
56	Circadian-Like Rhythmicity of Extracellular Brain Glutamate in Epilepsy. Frontiers in Neurology, 2020, 11, 398.	2.4	4
57	Altered hippocampal astroglial metabolism is associated with aging and preserved spatial learning and memory. Neurobiology of Aging, 2021, 102, 188-199.	3.1	3
58	Impact of delivery rate on the acute response to intravenous nicotine: A human laboratory study with implications for regulatory science. Addiction Biology, 2022, 27, e13161.	2.6	3
59	Genomic Expression in the Epileptogenic Hippocampus and Psychiatric Co-Morbidities. Current Psychiatry Reviews, 2010, 6, 135-144.	0.9	2
60	Progressive Neuronal Loss in Epilepsy â€“ A Long-Standing Conundrum Finally Resolved?. Epilepsy Currents, 2021, 21, 366-368.	0.8	2
61	Harnessing Metabolomics to Advance Epilepsy Research. Epilepsy Currents, 2022, 22, 123-129.	0.8	2
62	Oral glutamine supplementation increases seizure severity in a rodent model of mesial temporal lobe epilepsy. Nutritional Neuroscience, 2020, , 1-6.	3.1	1
63	Transforming Glia to Neurons Effectively Treats Temporal Lobe Seizures. Epilepsy Currents, 2022, 22, 130-131.	0.8	1
64	5 Oral Administration of Branched-Chain Amino Acids Results in Increased Seizure Threshold and Loss of Hippocampal Neurons in a Rodent Model of Mesial Temporal Lobe Epilepsy. American Journal of Clinical Pathology, 2018, 149, S165-S166.	0.7	0
65	2235 15N-Leucine transport across the blood brain barrier is significantly impaired in the glutamine synthetase-inhibited brain. Journal of Clinical and Translational Science, 2018, 2, 1-1.	0.6	0
66	An Ancient Enzyme Takes a Hit in Epilepsy. Epilepsy Currents, 2019, 19, 400-401.	0.8	0
67	Ticktockâ€"What Is the Seizure Driving Clock?. Epilepsy Currents, 2021, 21, 122-123.	0.8	0
68	Localizing the Seizure Onset Site Through Metabolic Imaging of GABA. Epilepsy Currents, 2021, 21, 153575972110119.	0.8	0
69	Brain Energy Oscillationsâ€"A Possible Explanation for Seizure Periodicity in Epilepsy?. Epilepsy Currents, 2021, 21, 153575972110435.	0.8	0
70	Lights of Hope in the Treatment of Epilepsy. Science Translational Medicine, 2013, 5, .	12.4	0
71	A Cool Intervention for Posttraumatic Epilepsy. Science Translational Medicine, 2013, 5, .	12.4	0
72	The Source of Youth and Longevity Revealed?. Science Translational Medicine, 2013, 5, .	12.4	0

#	Article	IF	Citations
73	Stealth Attack by the Gut Microbiota. Science Translational Medicine, 2013, 5, .	12.4	0
74	Starvation Strengthens Addiction. Science Translational Medicine, 2013, 5, .	12.4	0
75	A One-Two Punch for Aging and Brain Malformations. Science Translational Medicine, 2013, 5, .	12.4	0
76	Removing Salt from the Wound. Science Translational Medicine, 2013, 5, .	12.4	0
77	Treating the Brain Through the Gut. Science Translational Medicine, 2014, 6, .	12.4	0
78	Boosting Metabolism by Sweetening the Gut. Science Translational Medicine, 2014, 6, .	12.4	0
79	Threshold for the pleasurable effects of nicotine are lower than its reinforcing effects during self-administration.. Experimental and Clinical Psychopharmacology, 2023, 31, 37-45.	1.8	0
80	Plasma Menthol Glucuronide as a Biomarker for the Behavioral Effects of Menthol and Nicotine in Humans. Frontiers in Pharmacology, 2022, 13, 844824.	3.5	0
81	Catch the rhythm!. Epilepsy Currents, 0, , 153575972210990.	0.8	0