Jens Velde Andersen

List of Publications by Year
in descending order

29	1,037	430754 18	477173 29
papers	citations	h-index	g-index

30	30	30	1156
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Progressive Mitochondrial Dysfunction of Striatal Synapses in R6/2 Mouse Model of Huntingtonâ€™s Disease. Journal of Huntington's Disease, 2022, 11, 121-140.	0.9	5
2	Low cerebral energy metabolism in hepatic encephalopathy reflects low neuronal energy demand. Role of ammonia-induced increased GABAergic tone. Analytical Biochemistry, 2022, 654, 114766.	1.1	7
3	Deficient astrocyte metabolism impairs glutamine synthesis and neurotransmitter homeostasis in a mouse model of Alzheimer's disease. Neurobiology of Disease, 2021, 148, 105198.	2.1	52
4	Downregulation of GABA Transporter 3 (GAT3) is Associated with Deficient Oxidative GABA Metabolism in Human Induced Pluripotent Stem Cell-Derived Astrocytes in Alzheimer's Disease. Neurochemical Research, 2021, 46, 2676-2686.	1.6	13
5	Decreased Glucose Metabolism and Glutamine Synthesis in the Retina of a Transgenic Mouse Model of Alzheimerâ€™s Disease. Cellular and Molecular Neurobiology, 2021, , 1.	1.7	4
6	Pharmacological inhibition of mitochondrial soluble adenylyl cyclase in astrocytes causes activation of <scp>AMP</scp>â€activated protein kinase and induces breakdown of glycogen. Glia, 2021, 69, 2828-2844.	2.5	11
7	Functional Metabolic Mapping Reveals Highly Active Branched-Chain Amino Acid Metabolism in Human Astrocytes, Which Is Impaired in iPSC-Derived Astrocytes in Alzheimer's Disease. Frontiers in Aging Neuroscience, 2021, 13, 736580.	1.7	35
8	Glutamate metabolism and recycling at the excitatory synapse in health and neurodegeneration. Neuropharmacology, 2021, 196, 108719.	2.0	145
9	Astrocyte metabolism of the medium-chain fatty acids octanoic acid and decanoic acid promotes GABA synthesis in neurons via elevated glutamine supply. Molecular Brain, 2021, 14, 132.	1.3	39
10	Hippocampal disruptions of synaptic and astrocyte metabolism are primary events of early amyloid pathology in the 5xFAD mouse model of Alzheimerâ€™s disease. Cell Death and Disease, 2021, 12, 954.	2.7	41
11	Regulation of translation by site-specific ribosomal RNA methylation. Nature Structural and Molecular Biology, 2021, 28, 889-899.	3.6	51
12	Neuronal Loss of the Glutamate Transporter GLT-1 Promotes Excitotoxic Injury in the Hippocampus. Frontiers in Cellular Neuroscience, 2021, 15, 788262.	1.8	13
13	Conditional Knockout of GLT-1 in Neurons Leads to Alterations in Aspartate Homeostasis and Synaptic Mitochondrial Metabolism in Striatum and Hippocampus. Neurochemical Research, 2020, 45, 1420-1437.	1.6	17
14	Extensive astrocyte metabolism of Î³â€aminobutyric acid (<scp>GABA</scp>) sustains glutamine synthesis in the mammalian cerebral cortex. Glia, 2020, 68, 2601-2612.	2.5	28
15	AMPâ€activated protein kinase (AMPK) regulates astrocyte oxidative metabolism by balancing TCA cycle dynamics. Glia, 2020, 68, 1824-1839.	2.5	31
16	The energetic brain â€“ A review from students to students. Journal of Neurochemistry, 2019, 151, 139-165.	2.1	148
17	Hypermetabolism and impaired endothelium-dependent vasodilation in mesenteric arteries of type 2 diabetes mellitus db/db mice. Diabetes and Vascular Disease Research, 2019, 16, 539-548.	0.9	12
18	Distinct differences in rates of oxygen consumption and ATP synthesis of regionally isolated nonâ€synaptic mouse brain mitochondria. Journal of Neuroscience Research, 2019, 97, 961-974.	1.3	22

#	Article	IF	Citations
19	Functional Differences between Synaptic Mitochondria from the Striatum and the Cerebral Cortex. Neuroscience, 2019, 406, 432-443.	1.1	5
20	Enhanced cerebral branched-chain amino acid metabolism in R6/2 mouse model of Huntingtonâ€™s disease. Cellular and Molecular Life Sciences, 2019, 76, 2449-2461.	2.4	12
21	Deletion of Neuronal GLT-1 in Mice Reveals Its Role in Synaptic Glutamate Homeostasis and Mitochondrial Function. Journal of Neuroscience, 2019, 39, 4847-4863.	1.7	42
22	Glutamate dehydrogenase is essential to sustain neuronal oxidative energy metabolism during stimulation. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1754-1768.	2.4	36
23	Integrative Characterization of the R6/2 Mouse Model of Huntingtonâ€™s Disease Reveals Dysfunctional Astrocyte Metabolism. Cell Reports, 2018, 23, 2211-2224.	2.9	79
24	The inhibitors of soluble adenylate cyclase 2-OHE, KH7, and bithionol compromise mitochondrial ATP production by distinct mechanisms. Biochemical Pharmacology, 2018, 155, 92-101.	2.0	17
25	Improved cerebral energetics and ketone body metabolism in db/db mice. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 1137-1147.	2.4	34
26	Specificity of exogenous acetate and glutamate as astrocyte substrates examined in acute brain slices from female mice using methionine sulfoximine (MSO) to inhibit glutamine synthesis. Journal of Neuroscience Research, 2017, 95, 2207-2216.	1.3	24
27	Metabolic Characterization of Acutely Isolated Hippocampal and Cerebral Cortical Slices Using [U-13C]Glucose and [1,2-13C]Acetate as Substrates. Neurochemical Research, 2017, 42, 810-826.	1.6	30
28	Alterations in Cerebral Cortical Glucose and Glutamine Metabolism Precedes Amyloid Plaques in the APPswe/PSEN1dE9 Mouse Model of Alzheimerâ€™s Disease. Neurochemical Research, 2017, 42, 1589-1598.	1.6	58
29	Impaired Hippocampal Glutamate and Glutamine Metabolism in the db/db Mouse Model of Type 2 Diabetes Mellitus. Neural Plasticity, 2017, 2017, 1-9.	1.0	26