

Anne B Walls

List of Publications by Year in descending order

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18
papers

840
citations

840776

11
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

1238
citing authors

#	ARTICLE	IF	CITATIONS
1	The Glutamine-Glutamate/GABA Cycle: Function, Regional Differences in Glutamate and GABA Production and Effects of Interference with GABA Metabolism. <i>Neurochemical Research</i> , 2015, 40, 402-409.	3.3	177
2	Brain glycogen—new perspectives on its metabolic function and regulation at the subcellular level. <i>Frontiers in Neuroenergetics</i> , 2012, 4, 3.	5.3	171
3	Functional significance of brain glycogen in sustaining glutamatergic neurotransmission. <i>Journal of Neurochemistry</i> , 2009, 109, 80-86.	3.9	109
4	Astrocytic glycogen metabolism in the healthy and diseased brain. <i>Journal of Biological Chemistry</i> , 2018, 293, 7108-7116.	3.4	106
5	CrossTalk opposing view: lack of evidence supporting an astrocyte-neuron lactate shuttle coupling neuronal activity to glucose utilisation in the brain. <i>Journal of Physiology</i> , 2018, 596, 351-353.	2.9	69
6	Characterization of 1,4-dideoxy-1,4-diamino-D-arabinitol (DAB) as an inhibitor of brain glycogen shunt activity. <i>Journal of Neurochemistry</i> , 2008, 105, 1462-1470.	3.9	66
7	Isoform-selective regulation of glycogen phosphorylase by energy deprivation and phosphorylation in astrocytes. <i>Glia</i> , 2015, 63, 154-162.	4.9	47
8	Metabolic Characterization of Acutely Isolated Hippocampal and Cerebral Cortical Slices Using [U-13C]Glucose and [1,2-13C]Acetate as Substrates. <i>Neurochemical Research</i> , 2017, 42, 810-826.	3.3	30
9	A Subconvulsive Dose of Kainate Selectively Compromises Astrocytic Metabolism in the Mouse Brain <i>In Vivo</i> . <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1340-1346.	4.3	15
10	Glutamate Dehydrogenase Is Important for Ammonia Fixation and Amino Acid Homeostasis in Brain During Hyperammonemia. <i>Frontiers in Neuroscience</i> , 2021, 15, 646291.	2.8	13
11	Anaplerosis for Glutamate Synthesis in the Neonate and in Adulthood. <i>Advances in Neurobiology</i> , 2016, 13, 43-58.	1.8	12
12	Glycogen Shunt Activity and Glycolytic Supercompensation in Astrocytes May Be Distinctly Mediated via the Muscle Form of Glycogen Phosphorylase. <i>Neurochemical Research</i> , 2017, 42, 2490-2494.	3.3	9
13	State-Dependent Changes in Brain Glycogen Metabolism. <i>Advances in Neurobiology</i> , 2019, 23, 269-309.	1.8	6
14	The anticonvulsant action of the galanin receptor agonist NAX-5055 involves modulation of both excitatory- and inhibitory neurotransmission. <i>Epilepsy Research</i> , 2016, 121, 55-63.	1.6	5
15	Brain glycogen: emergency fuel and dynamic function in neurotransmission. <i>Metabolic Brain Disease</i> , 2015, 30, 249-249.	2.9	2
16	Rebuttal from Lasse K. Bak and Anne B. Walls. <i>Journal of Physiology</i> , 2018, 596, 357-357.	2.9	2
17	Astroglia and Brain Metabolism: Focus on Energy and Neurotransmitter Amino Acid Homeostasis. <i>Colloquium Series on Neuroglia in Biology and Medicine From Physiology To Disease</i> , 2015, 2, 1-64.	0.5	1
18	The novel anticonvulsant neuropeptide and galanin analogue, NAX-5055, does not alter energy and amino acid metabolism in cultured brain cells. <i>Journal of Neuroscience Research</i> , 2017, 95, 2286-2296.	2.9	0