

Myra E Conway

List of Publications by Year in descending order

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32
papers

1,074
citations

430843

18
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454934

30
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32
docs citations

32
times ranked

1279
citing authors

#	ARTICLE	IF	CITATIONS
1	The BCAT1 CXXC Motif Provides Protection against ROS in Acute Myeloid Leukaemia Cells. <i>Antioxidants</i> , 2022, 11, 683.	5.1	7
2	Amino Acids Branched-Chain Amino Metabolism. , 2021, , 10-21.		1
3	Differential expression of the BCAT isoforms between breast cancer subtypes. <i>Breast Cancer</i> , 2021, 28, 592-607.	2.9	7
4	Alzheimer's disease: targeting the glutamatergic system. <i>Biogerontology</i> , 2020, 21, 257-274.	3.9	96
5	BCAT-induced autophagy regulates A β load through an interdependence of redox state and PKC phosphorylation-implications in Alzheimer's disease. <i>Free Radical Biology and Medicine</i> , 2020, 152, 755-766.	2.9	11
6	Crystal structure of an oxidized mutant of human mitochondrial branched-chain aminotransferase. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2020, 76, 14-19.	0.8	2
7	Redox-Regulated, Targeted Affinity Isolation of NADH-Dependent Protein Interactions with the Branched Chain Aminotransferase Proteins. <i>Methods in Molecular Biology</i> , 2019, 1990, 151-163.	0.9	5
8	Expression and localization of aquaporin water channels in adult pig urinary bladder. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 3772-3775.	3.6	10
9	Detection of S-Nitrosation and S-Glutathionylation of the Human Branched-Chain Aminotransferase Proteins. <i>Methods in Molecular Biology</i> , 2019, 1990, 71-84.	0.9	1
10	Distribution of the branched-chain α -ketoacid dehydrogenase complex E1 α subunit and glutamate dehydrogenase in the human brain and their role in neuro-metabolism. <i>Neurochemistry International</i> , 2018, 112, 49-58.	3.8	21
11	Altered Expression of Human Mitochondrial Branched Chain Aminotransferase in Dementia with Lewy Bodies and Vascular Dementia. <i>Neurochemical Research</i> , 2017, 42, 306-319.	3.3	17
12	Enhanced task-related brain activation and resting perfusion in healthy older adults after chronic blueberry supplementation. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 773-779.	1.9	129
13	Divergent Metabolic Regulation of Autophagy and mTORC1 Early Events in Alzheimer's Disease?. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 173.	3.4	26
14	Evaluation of recombinant factor C assay for the detection of divergent lipopolysaccharide structural species and comparison with <i>Limulus</i> ameocyte lysate-based assays and a human monocyte activity assay. <i>Journal of Medical Microbiology</i> , 2017, 66, 888-897.	1.8	27
15	Decreased expression of the mitochondrial BCAT protein correlates with improved patient survival in IDH Δ WT gliomas. <i>Brain Pathology</i> , 2016, 26, 789-791.	4.1	8
16	The Cytosolic and Mitochondrial Branched Chain Aminotransferase. , 2015, , 25-40.		2
17	New insights into the role of the branched-chain aminotransferase proteins in the human brain. <i>Journal of Neuroscience Research</i> , 2015, 93, 987-998.	2.9	20
18	Regional Increase in the Expression of the BCAT Proteins in Alzheimer's Disease Brain: Implications in Glutamate Toxicity. <i>Journal of Alzheimer's Disease</i> , 2015, 45, 891-905.	2.6	28

#	ARTICLE	IF	CITATIONS
19	The redox switch that regulates molecular chaperones. <i>Biomolecular Concepts</i> , 2015, 6, 269-284.	2.2	28
20	Differential redox potential between the human cytosolic and mitochondrial branched-chain aminotransferase. <i>Acta Biochimica Et Biophysica Sinica</i> , 2012, 44, 172-176.	2.0	9
21	Distribution of the branched chain aminotransferase proteins in the human brain and their role in glutamate regulation. <i>Journal of Neurochemistry</i> , 2012, 123, 997-1009.	3.9	58
22	S-Nitrosoglutathione Inactivation of the Mitochondrial and Cytosolic BCAT Proteins: S-Nitrosation and S-Thiolation. <i>Biochemistry</i> , 2009, 48, 645-656.	2.5	39
23	Regulatory Control of Human Cytosolic Branched-Chain Aminotransferase by Oxidation and S-Glutathionylation and Its Interactions with Redox Sensitive Neuronal Proteins. <i>Biochemistry</i> , 2008, 47, 5465-5479.	2.5	41
24	Redox Regulation and Trapping Sulphenic Acid in the Peroxide Sensitive Human Mitochondrial Branched Chain Aminotransferase. <i>Methods in Molecular Biology</i> , 2008, 476, 135-148.	0.9	11
25	A Novel Branched-chain Amino Acid Metabolon. <i>Journal of Biological Chemistry</i> , 2007, 282, 11893-11903.	3.4	93
26	Human Mitochondrial Branched Chain Aminotransferase Isozyme. <i>Journal of Biological Chemistry</i> , 2006, 281, 39660-39671.	3.4	40
27	Structural Determinants for Branched-chain Aminotransferase Isozyme-specific Inhibition by the Anticonvulsant Drug Gabapentin. <i>Journal of Biological Chemistry</i> , 2005, 280, 37246-37256.	3.4	77
28	Roles for Cysteine Residues in the Regulatory CXXC Motif of Human Mitochondrial Branched Chain Aminotransferase Enzyme. <i>Biochemistry</i> , 2004, 43, 7356-7364.	2.5	67
29	Human mitochondrial branched chain aminotransferase: structural basis for substrate specificity and role of redox active cysteines. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1647, 61-65.	2.3	31
30	Crystal Structures of Human Mitochondrial Branched Chain Aminotransferase Reaction Intermediates: Ketimine and Pyridoxamine Phosphate Forms. <i>Biochemistry</i> , 2002, 41, 11592-11601.	2.5	39
31	Identification of a Peroxide-Sensitive Redox Switch at the CXXC Motif in the Human Mitochondrial Branched Chain Aminotransferase. <i>Biochemistry</i> , 2002, 41, 9070-9078.	2.5	42
32	Role of specific aminotransferases in de novo glutamate synthesis and redox shuttling in the retina. <i>Journal of Neuroscience Research</i> , 2001, 66, 914-922.	2.9	81