

Kenneth John Rodgers

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,684
citations

257450

24
h-index

276875

41
g-index

49
all docs

49
docs citations

49
times ranked

1908
citing authors

#	ARTICLE	IF	CITATIONS
1	The Non-Protein Amino Acid BMAA Is Misincorporated into Human Proteins in Place of L-Serine Causing Protein Misfolding and Aggregation. <i>PLoS ONE</i> , 2013, 8, e75376.	2.5	248
2	Oxidized proteins: Mechanisms of removal and consequences of accumulation. <i>IUBMB Life</i> , 2009, 61, 522-527.	3.4	110
3	Destabilizing Role of Cathepsin S in Murine Atherosclerotic Plaques. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 851-856.	2.4	107
4	Misincorporation of amino acid analogues into proteins by biosynthesis. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 1452-1466.	2.8	104
5	Assessment of proteasome activity in cell lysates and tissue homogenates using peptide substrates. <i>International Journal of Biochemistry and Cell Biology</i> , 2003, 35, 716-727.	2.8	89
6	Recent developments in the intracellular degradation of oxidized proteins 1,2 1Guest Editor: Earl Stadtman 2This article is part of a series of reviews on "Oxidatively Modified Proteins in Aging and Disease." The full list of papers may be found on the homepage of the journal.. <i>Free Radical Biology and Medicine</i> , 2002, 33, 894-906.	2.9	77
7	Biosynthetic incorporation of oxidized amino acids into proteins and their cellular proteolysis. <i>Free Radical Biology and Medicine</i> , 2002, 32, 766-775.	2.9	67
8	Evidence for inactivation of cysteine proteases by reactive carbonyls via glycation of active site thiols. <i>Biochemical Journal</i> , 2006, 398, 197-206.	3.7	66
9	Translational incorporation of L-3,4-dihydroxyphenylalanine into proteins. <i>FEBS Journal</i> , 2005, 272, 3162-3171.	4.7	64
10	Inhibition of cathepsins and related proteases by amino acid, peptide, and protein hydroperoxides. <i>Free Radical Biology and Medicine</i> , 2006, 40, 1539-1548.	2.9	55
11	Non-protein amino acids and neurodegeneration: The enemy within. <i>Experimental Neurology</i> , 2014, 253, 192-196.	4.1	52
12	Metabolism of protein-bound DOPA in mammals. <i>International Journal of Biochemistry and Cell Biology</i> , 2000, 32, 945-955.	2.8	47
13	L-DOPA is incorporated into brain proteins of patients treated for Parkinson's disease, inducing toxicity in human neuroblastoma cells in vitro. <i>Experimental Neurology</i> , 2012, 238, 29-37.	4.1	41
14	Considerations for amino acid analysis by liquid chromatography-tandem mass spectrometry: A tutorial review. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 131, 116018.	11.4	41
15	Biosynthesis and turnover of DOPA-containing proteins by human cells. <i>Free Radical Biology and Medicine</i> , 2004, 37, 1756-1764.	2.9	40
16	The impact of specific oxidized amino acids on protein turnover in J774 cells. <i>Biochemical Journal</i> , 2008, 410, 131-140.	3.7	40
17	Prevalence of β^2 -methylamino-L-alanine (BMAA) and its isomers in freshwater cyanobacteria isolated from eastern Australia. <i>Ecotoxicology and Environmental Safety</i> , 2019, 172, 72-81.	6.0	37
18	Evidence for L-dopa incorporation into cell proteins in patients treated with levodopa. <i>Journal of Neurochemistry</i> , 2006, 98, 1061-1067.	3.9	34

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19	Detection of the suspected neurotoxin β -methylamino-L-alanine (BMAA) in cyanobacterial blooms from multiple water bodies in Eastern Australia. <i>Harmful Algae</i> , 2018, 74, 10-18.	4.8	34
20	Production of β -methylamino-L-alanine (BMAA) and Its Isomers by Freshwater Diatoms. <i>Toxins</i> , 2019, 11, 512.	3.4	33
21	Cyanobacterial Neurotoxins: Their Occurrence and Mechanisms of Toxicity. <i>Neurotoxicity Research</i> , 2018, 33, 168-177.	2.7	33
22	Inhibition of rupture of established atherosclerotic plaques by treatment with apolipoprotein A-I. <i>Cardiovascular Research</i> , 2011, 91, 37-44.	3.8	29
23	The use of L-serine to prevent β -methylamino-L-alanine (BMAA)-induced proteotoxic stress in vitro. <i>Toxicol</i> , 2016, 109, 7-12.	1.6	29
24	Proteins containing oxidized amino acids induce apoptosis in human monocytes. <i>Biochemical Journal</i> , 2011, 435, 207-216.	3.7	26
25	Assessing the Combined Toxicity of BMAA and Its Isomers 2,4-DAB and AEG In Vitro Using Human Neuroblastoma Cells. <i>Neurotoxicity Research</i> , 2018, 33, 33-42.	2.7	22
26	Heat shock proteins: keys to healthy ageing?. <i>Redox Report</i> , 2009, 14, 147-153.	4.5	18
27	Amino acid, peptide, and protein hydroperoxides and their decomposition products modify the activity of the 26S proteasome. <i>Free Radical Biology and Medicine</i> , 2011, 50, 389-399.	2.9	15
28	The deleterious effects of non-protein amino acids from desert plants on human and animal health. <i>Journal of Arid Environments</i> , 2015, 112, 152-158.	2.4	15
29	Investigation of the interaction of β -methylamino-L-alanine with eukaryotic and prokaryotic proteins. <i>Amino Acids</i> , 2018, 50, 397-407.	2.7	12
30	Cytotoxicity and mitochondrial dysfunction caused by the dietary supplement L-norvaline. <i>Toxicology in Vitro</i> , 2019, 56, 163-171.	2.4	12
31	Oxidised protein metabolism: recent insights. <i>Biological Chemistry</i> , 2017, 398, 1165-1175.	2.5	11
32	Toxicity and bioaccumulation of two non-protein amino acids synthesised by cyanobacteria, β -N-Methylamino-L-alanine (BMAA) and 2,4-diaminobutyric acid (DAB), on a crop plant. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111515.	6.0	11
33	Cell death and mitochondrial dysfunction induced by the dietary non-proteinogenic amino acid L-azetidine-2-carboxylic acid (Aze). <i>Amino Acids</i> , 2019, 51, 1221-1232.	2.7	10
34	L-DOPA causes mitochondrial dysfunction in vitro: A novel mechanism of L-DOPA toxicity uncovered. <i>International Journal of Biochemistry and Cell Biology</i> , 2019, 117, 105624.	2.8	10
35	Biotinylated trypsin and its application as a sensitive, versatile probe for the detection and characterisation of an ovine chondrocyte serine proteinase inhibitor using Western blotting. <i>Electrophoresis</i> , 1996, 17, 213-218.	2.4	9
36	Using an in vitro model to study oxidised protein accumulation in ageing fibroblasts. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 2177-2184.	2.4	8

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37	Immunolocalisation of BPTI-like serine proteinase inhibitory proteins in mast cells, chondrocytes and intervertebral disc fibrochondrocytes of ovine and bovine connective tissues. An immunohistochemical and biochemical study. <i>Histochemistry and Cell Biology</i> , 2000, 114, 137-146.	1.7	6
38	Acetonitrile adduct analysis of underivatized amino acids offers improved sensitivity for hydrophilic interaction liquid chromatography tandem mass-spectrometry. <i>Journal of Chromatography A</i> , 2021, 1655, 462530.	3.7	6
39	Misincorporation Proteomics Technologies: A Review. <i>Proteomes</i> , 2021, 9, 2.	3.5	4
40	Î ² -Methylamino-L-alanine-induced protein aggregation in vitro and protection by L-serine. <i>Amino Acids</i> , 2021, 53, 1351-1359.	2.7	3
41	Toxic Nonprotein Amino Acids. , 2015, , 1-20.		2
42	Toxic Nonprotein Amino Acids. <i>Toxinology</i> , 2017, , 263-285.	0.2	2
43	A Novel Method for Creating a Synthetic L-DOPA Proteome and In Vitro Evidence of Incorporation. <i>Proteomes</i> , 2021, 9, 24.	3.5	2
44	Evidence that DOPA-Derivatives are Generated After L-DOPA Incorporation into Proteins by Mammalian Cells. <i>Journal of Adhesion</i> , 2009, 85, 561-575.	3.0	1
45	Cysteine biosynthesis contributes to Î ² -methylamino-l-alanine tolerance in <i>Escherichia coli</i> . <i>Research in Microbiology</i> , 2021, 172, 103852.	2.1	1
46	LEARNER-GENERATED DIGITAL MEDIA (LGDM) FRAMEWORK. , 2017, , .		1
47	Aneurysm prevention: keep the cat out of the bag. <i>Cardiovascular Research</i> , 2012, 96, 350-351.	3.8	0
48	Preparation and Use of Biotinylated Probes for the Detection and Characterisation of Serine Proteinase and Serine Proteinase Inhibitory Proteins. , 1996, , 143-165.		0