

Rachael A Dunlop

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

661
citations

13
h-index

18
g-index

18
ext. papers

757
ext. citations

4.9
avg, IF

4.27
L-index

#	Paper	IF	Citations
18	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	3.7	214
17	Oxidized proteins: mechanisms of removal and consequences of accumulation. <i>IUBMB Life</i> , 2009 , 61, 522-7	4.7	98
16	Recent developments in the intracellular degradation of oxidized proteins. <i>Free Radical Biology and Medicine</i> , 2002 , 33, 894-906	7.8	63
15	The impact of specific oxidized amino acids on protein turnover in J774 cells. <i>Biochemical Journal</i> , 2008 , 410, 131-40	3.8	37
14	Biosynthesis and turnover of DOPA-containing proteins by human cells. <i>Free Radical Biology and Medicine</i> , 2004 , 37, 1756-64	7.8	33
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	5.7	32
12	Revisiting adverse reactions to vaccines: A critical appraisal of Autoimmune Syndrome Induced by Adjuvants (ASIA). <i>Journal of Autoimmunity</i> , 2015 , 59, 77-84	15.5	31
11	An miRNA fingerprint using neural-enriched extracellular vesicles from blood plasma: towards a biomarker for amyotrophic lateral sclerosis/motor neuron disease. <i>Open Biology</i> , 2020 , 10, 200116	7	26
10	Proteins containing oxidized amino acids induce apoptosis in human monocytes. <i>Biochemical Journal</i> , 2011 , 435, 207-16	3.8	25
9	The use of L-serine to prevent β -methylamino-L-alanine (BMAA)-induced proteotoxic stress in vitro. <i>Toxicon</i> , 2016 , 109, 7-12	2.8	23
8	Is Exposure to BMAA a Risk Factor for Neurodegenerative Diseases? A Response to a Critical Review of the BMAA Hypothesis. <i>Neurotoxicity Research</i> , 2021 , 39, 81-106	4.3	19
7	Oxidative bioactivation of crotyl alcohol to the toxic endogenous aldehyde crotonaldehyde: association of protein carbonylation with toxicity in mouse hepatocytes. <i>Chemical Research in Toxicology</i> , 2002 , 15, 1051-8	4	16
6	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	2.5	13
5	The Cyanotoxin and Non-protein Amino Acid β -Methylamino-L-Alanine (L-BMAA) in the Food Chain: Incorporation into Proteins and Its Impact on Human Health. <i>Neurotoxicity Research</i> , 2019 , 36, 602-611	4.3	12
4	Mechanisms of L-Serine-Mediated Neuroprotection Include Selective Activation of Lysosomal Cathepsins B and L. <i>Neurotoxicity Research</i> , 2021 , 39, 17-26	4.3	10
3	Using an in vitro model to study oxidised protein accumulation in ageing fibroblasts. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 2177-84	4	7
2	A comparison of the efficiency of RNA extraction from extracellular vesicles using the Qiagen RNeasy MinElute versus Enzymax LLC RNA Tini Spin columns and qPCR of miRNA. <i>Biology Methods and Protocols</i> , 2021 , 6, bpab015	2.4	1

1 BMAA Neurotoxicity **2021**, 1-16

1