

Ricardo Gomes

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,120
citations

567281

15
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

1833
citing authors

#	ARTICLE	IF	CITATIONS
1	The glyoxalase pathway: the first hundred years and beyond. <i>Biochemical Journal</i> , 2013, 453, 1-15.	3.7	210
2	Bin1 and CD2AP polarise the endocytic generation of beta-amyloid. <i>EMBO Reports</i> , 2017, 18, 102-122.	4.5	133
3	Argpyrimidine, a methylglyoxal-derived advanced glycation end-product in familial amyloidotic polyneuropathy. <i>Biochemical Journal</i> , 2005, 385, 339-345.	3.7	89
4	Insulin glycation by methylglyoxal results in native-like aggregation and inhibition of fibril formation. <i>BMC Biochemistry</i> , 2011, 12, 41.	4.4	87
5	Yeast protein glycation in vivo by methylglyoxal. <i>FEBS Journal</i> , 2006, 273, 5273-5287.	4.7	67
6	Bioprocess integration for human mesenchymal stem cells: From up to downstream processing scale-up to cell proteome characterization. <i>Journal of Biotechnology</i> , 2017, 248, 87-98.	3.8	61
7	The glyoxalase pathway in protozoan parasites. <i>International Journal of Medical Microbiology</i> , 2012, 302, 225-229.	3.6	54
8	Insights into the molecular mechanism of protein native-like aggregation upon glycation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1010-1022.	2.3	48
9	Protein glycation in <i>Saccharomyces cerevisiae</i> . Argpyrimidine formation and methylglyoxal catabolism. <i>FEBS Journal</i> , 2005, 272, 4521-4531.	4.7	47
10	Protein glycation <i>in vivo</i> : functional and structural effects on yeast enolase. <i>Biochemical Journal</i> , 2008, 416, 317-326.	3.7	47
11	Protein Adducts As Prospective Biomarkers of Nevirapine Toxicity. <i>Chemical Research in Toxicology</i> , 2010, 23, 1714-1725.	3.3	42
12	Beyond Genetic Factors in Familial Amyloidotic Polyneuropathy: Protein Glycation and the Loss of Fibrinogen's Chaperone Activity. <i>PLoS ONE</i> , 2011, 6, e24850.	2.5	28
13	Production of high-quality SARS-CoV-2 antigens: Impact of bioprocess and storage on glycosylation, biophysical attributes, and ELISA serologic tests performance. <i>Biotechnology and Bioengineering</i> , 2021, 118, 2202-2219.	3.3	27
14	Transthyretin Amyloidosis: Chaperone Concentration Changes and Increased Proteolysis in the Pathway to Disease. <i>PLoS ONE</i> , 2015, 10, e0125392.	2.5	25
15	Protein glycation and methylglyoxal metabolism in yeast: finding peptide needles in protein haystacks. <i>FEMS Yeast Research</i> , 2008, 8, 174-181.	2.3	22
16	The relative amounts of plasma transthyretin forms in familial transthyretin amyloidosis: A quantitative analysis by Fourier transform ion-cyclotron resonance mass spectrometry. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2011, 18, 191-199.	3.0	15
17	Glycation modulates glutamatergic signaling and exacerbates Parkinson's disease-like phenotypes. <i>Npj Parkinson's Disease</i> , 2022, 8, 51.	5.3	15
18	Multi attribute method implementation using a High Resolution Mass Spectrometry platform: From sample preparation to batch analysis. <i>PLoS ONE</i> , 2022, 17, e0262711.	2.5	13

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19	The Proteome Response to Amyloid Protein Expression In Vivo. PLoS ONE, 2012, 7, e50123.	2.5	12
20	Extracellular methylglyoxal toxicity in <i>Saccharomyces cerevisiae</i> : role of glucose and phosphate ions. Journal of Applied Microbiology, 2008, 104, 1092-1102.	3.1	10
21	Î±-Synuclein aggregation in the saliva of familial transthyretin amyloidosis: a potential biomarker. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2012, 19, 74-80.	3.0	10
22	Identification and quantitative analysis of human transthyretin variants in human serum by Fourier transform ion-cyclotron resonance mass spectrometry. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2009, 16, 201-207.	3.0	9
23	Proteome response at the edge of protein aggregation. Open Biology, 2015, 5, 140221.	3.6	9
24	Exploring the analytical power of the QTOF MS platform to assess monoclonal antibodies quality attributes. PLoS ONE, 2019, 14, e0219156.	2.5	9
25	Insect Cells for High-Yield Production of SARS-CoV-2 Spike Protein: Building a Virosome-Based COVID-19 Vaccine Candidate. Pharmaceutics, 2022, 14, 854.	4.5	8
26	Enlightening the molecular basis of trypanothione specificity in trypanosomatids: Mutagenesis of <i>Leishmania infantum</i> glyoxalase II. Experimental Parasitology, 2011, 129, 402-408.	1.2	7
27	A non-invasive method based on saliva to characterize transthyretin in familial amyloidotic polyneuropathy patients using FT-ICR high-resolution MS. Proteomics - Clinical Applications, 2010, 4, 674-678.	1.6	6
28	The role of fibrinogen glycation in ATTR: evidence for chaperone activity loss in disease. Biochemical Journal, 2016, 473, 2225-2237.	3.7	4
29	Tandem Mass Spectrometry of Peptides. , 2012, , .		3