AntÃ³nio E N Ferreira

List of Publications by Year
in descending order

39 papers	1,196 citations	430843 18 h-index	377849 34 g-index
42 all docs	42 docs citations	42 times ranked	1874 citing authors

#	Article	IF	Citations
1	Cu²⁺-binding to S100B triggers polymerization of disulfide cross-linked tetramers with enhanced chaperone activity against amyloid-Î² aggregation. Chemical Communications, 2021, 57, 379-382.	4.1	6
2	Comparison of the chemical diversity ofVitis rotundifoliaandVitis viniferacv. â€˜Cabernet Sauvignonâ€™. Ciencia E Tecnica Vitivinicola, 2021, 36, 1-8.	0.9	2
3	Metabolic Network Inference from Time Series. , 2021, , 127-133.		0
4	Binary Simplification as an Effective Tool in Metabolomics Data Analysis. Metabolites, 2021, 11, 788.	2.9	8
5	Integrating metabolomics and targeted gene expression to uncover potential biomarkers of fungal/oomycetes-associated disease susceptibility in grapevine. Scientific Reports, 2020, 10, 15688.	3.3	31
6	Vitis vinifera â€˜Pinot noirâ€™ leaves as a source of bioactive nutraceutical compounds. Food and Function, 2019, 10, 3822-3827.	4.6	28
7	Early stage metabolic events associated with the establishment of Vitis vinifera â€“ Plasmopara viticola compatible interaction. Plant Physiology and Biochemistry, 2019, 137, 1-13.	5.8	26
8	Early detection of Plasmopara viticola-infected leaves through FT-ICR-MS metabolic profiling. Acta Horticulturae, 2019, , 575-580.	0.2	4
9	Virus Disassembly Pathways Predicted from Geometry and Configuration Energy. Communications in Computer and Information Science, 2018, , 289-301.	0.5	0
10	ICT-Supported Interventions Targeting Pre-frailty: Healthcare Recommendations from the Personalised ICT Supported Service for Independent Living and Active Ageing (PERSSILAA) Study. Communications in Computer and Information Science, 2018, , 69-92.	0.5	4
11	How to Disassemble a Virus Capsid - A Computational Approach. , 2017, , .		1
12	Metabolomics for undergraduates: Identification and pathway assignment of mitochondrial metabolites. Biochemistry and Molecular Biology Education, 2016, 44, 38-54.	1.2	6
13	Metabolite extraction for high-throughput FTICR-MS-based metabolomics of grapevine leaves. EuPA Open Proteomics, 2016, 12, 4-9.	2.5	35
14	Transthyretin Amyloidosis: Chaperone Concentration Changes and Increased Proteolysis in the Pathway to Disease. PLoS ONE, 2015, 10, e0125392.	2.5	25
15	Metabolism of biodiesel-derived glycerol in probiotic Lactobacillus strains. Applied Microbiology and Biotechnology, 2013, 97, 1735-1743.	3.6	10
16	The glyoxalase pathway: the first hundred yearsâ€¦ and beyond. Biochemical Journal, 2013, 453, 1-15.	3.7	210
17	The glyoxalase pathway in protozoan parasites. International Journal of Medical Microbiology, 2012, 302, 225-229.	3.6	54
18	Mining GO Annotations for Improving Annotation Consistency. PLoS ONE, 2012, 7, e40519.	2.5	33

#	Article	IF	Citations
19	Optimization of Time-Course Experiments for Kinetic Model Discrimination. PLoS ONE, 2012, 7, e32749.	2.5	16
20	Enlightening the molecular basis of trypanothione specificity in trypanosomatids: Mutagenesis of Leishmania infantum glyoxalase II. Experimental Parasitology, 2011, 129, 402-408.	1.2	7
21	Targeting nitric oxide synthase with 99mTc/Re-tricarbonyl complexes containing pendant guanidino or isothiourea moieties. Journal of Organometallic Chemistry, 2011, 696, 1057-1065.	1.8	22
22	Cloning, expression, purification, crystallization and preliminary X-ray diffraction analysis of glyoxalase I fromLeishmania infantum. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 571-574.	0.7	9
23	Re and Tc Tricarbonyl Complexes: From the Suppression of NO Biosynthesis in Macrophages to in Vivo Targeting of Inducible Nitric Oxide Synthase. Bioconjugate Chemistry, 2010, 21, 2168-2172.	3.6	17
24	Enzyme classification with peptide programs: a comparative study. BMC Bioinformatics, 2009, 10, 231.	2.6	5
25	Re and^{99m}Tc organometallic complexes containing pendant l-arginine derivatives as potential probes of inducible nitric oxide synthase. Dalton Transactions, 2009, , 152-162.	3.3	20
26	Measuring intracellular enzyme concentrations. Biochemistry and Molecular Biology Education, 2008, 36, 135-138.	1.2	5
27	Protein glycation and methylglyoxal metabolism in yeast: finding peptide needles in protein haystacks. FEMS Yeast Research, 2008, 8, 174-181.	2.3	22
28	Metrics for GO based protein semantic similarity: a systematic evaluation. BMC Bioinformatics, 2008, 9, S4.	2.6	274
29	Catalysis and Structural Properties of Leishmania infantum Glyoxalase II:â€‰ Trypanothione Specificity and Phylogeny[,]. Biochemistry, 2008, 47, 195-204.	2.5	42
30	Peptide programs. , 2008, , .		2
31	Protein glycation in vivo: functional and structural effects on yeast enolase. Biochemical Journal, 2008, 416, 317-326.	3.7	47
32	Potential role of the glyoxalase pathway as a drug target in Leishmania infantum: an exact steady-state model analysis. BMC Systems Biology, 2007, 1, .	3.0	1
33	Purification, crystallization and preliminary X-ray diffraction analysis of the glyoxalase II fromLeishmania infantum. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 805-807.	0.7	3
34	Yeast protein glycationinâ€ƒvivoby methylglyoxal. FEBS Journal, 2006, 273, 5273-5287.	4.7	67
35	Kinetic assay for measurement of enzyme concentration in situ. Analytical Biochemistry, 2006, 354, 148-150.	2.4	2
36	Quantitative assessment of the glyoxalase pathway in Leishmania infantum as a therapeutic target by modelling and computer simulation. FEBS Journal, 2005, 272, 2388-2398.	4.7	44

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37	Protein glycation in Saccharomyces cerevisiae. Argpyrimidine formation and methylglyoxal catabolism. FEBS Journal, 2005, 272, 4521-4531.	4.7	47
38	A quantitative model of the generation of Nâ^Š-(carboxymethyl)lysine in the Maillard reaction between collagen and glucose. Biochemical Journal, 2003, 376, 109-121.	3.7	45
39	Buffering in Models of Integrated Biochemical Systems. Journal of Theoretical Biology, 1998, 191, 429-438.	1.7	13