

Alexandre Quintas

List of Publications by Year in descending order

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49
papers

1,745
citations

361388

20
h-index

276858

41
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57
all docs

57
docs citations

57
times ranked

2551
citing authors

#	ARTICLE	IF	CITATIONS
1	Tetramer Dissociation and Monomer Partial Unfolding Precedes Protofibril Formation in Amyloidogenic Transthyretin Variants. <i>Journal of Biological Chemistry</i> , 2001, 276, 27207-27213.	3.4	274
2	Extracellular Alpha-Synuclein Oligomers Modulate Synaptic Transmission and Impair LTP Via NMDA-Receptor Activation. <i>Journal of Neuroscience</i> , 2012, 32, 11750-11762.	3.6	228
3	The Tetrameric Protein Transthyretin Dissociates to a Non-native Monomer in Solution. <i>Journal of Biological Chemistry</i> , 1999, 274, 32943-32949.	3.4	160
4	Glycation potentiates β -synuclein-associated neurodegeneration in synucleinopathies. <i>Brain</i> , 2017, 140, 1399-1419.	7.6	153
5	The amyloidogenic potential of transthyretin variants correlates with their tendency to aggregate in solution. <i>FEBS Letters</i> , 1997, 418, 297-300.	2.8	94
6	Argpyrimidine, a methylglyoxal-derived advanced glycation end-product in familial amyloidotic polyneuropathy. <i>Biochemical Journal</i> , 2005, 385, 339-345.	3.7	89
7	Insulin glycation by methylglyoxal results in native-like aggregation and inhibition of fibril formation. <i>BMC Biochemistry</i> , 2011, 12, 41.	4.4	87
8	Dopamine-Induced Conformational Changes in Alpha-Synuclein. <i>PLoS ONE</i> , 2009, 4, e6906.	2.5	59
9	Prediction of Peptide and Protein Propensity for Amyloid Formation. <i>PLoS ONE</i> , 2015, 10, e0134679.	2.5	54
10	Comparative calorimetric study of non-amyloidogenic and amyloidogenic variants of the homotetrameric protein transthyretin. <i>Biophysical Chemistry</i> , 2000, 88, 61-67.	2.8	53
11	Energy-independent translocation of cell-penetrating peptides occurs without formation of pores. A biophysical study with pep-1. <i>Molecular Membrane Biology</i> , 2007, 24, 282-293.	2.0	49
12	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
13	Protein glycation <i>in vivo</i> : functional and structural effects on yeast enolase. <i>Biochemical Journal</i> , 2008, 416, 317-326.	3.7	47
14	Probing Surface Properties of Cytochrome <i>c</i> at Au Bionanoconjugates. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16340-16347.	3.1	32
15	Transthyretin Proteins Regulate Angiogenesis by Conferring Different Molecular Identities to Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 31752-31760.	3.4	32
16	Evolutionary and Structural Features of the C2, V3 and C3 Envelope Regions Underlying the Differences in HIV-1 and HIV-2 Biology and Infection. <i>PLoS ONE</i> , 2011, 6, e14548.	2.5	27
17	An ancestral HIV-2/simian immunodeficiency virus peptide with potent HIV-1 and HIV-2 fusion inhibitor activity. <i>Aids</i> , 2013, 27, 1081-1090.	2.2	25
18	Extraction Procedures for Hair Forensic Toxicological Analysis: A Mini-Review. <i>Chemical Research in Toxicology</i> , 2019, 32, 2367-2381.	3.3	25

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19	Resistance to antibody neutralization in HIV-2 infection occurs in late stage disease and is associated with X4 tropism. <i>Aids</i> , 2012, 26, 2275-2284.	2.2	23
20	Potent and Broadly Reactive HIV-2 Neutralizing Antibodies Elicited by a Vaccinia Virus Vector Prime-C2V3C3 Polypeptide Boost Immunization Strategy. <i>Journal of Virology</i> , 2010, 84, 12429-12436.	3.4	22
21	Toxicological impact of JWH-018 and its phase I metabolite N-(3-hydroxypentyl) on human cell lines. <i>Forensic Science International</i> , 2016, 264, 100-105.	2.2	21
22	Fold-Unfold Transitions in the Selectivity and Mechanism of Action of the N-Terminal Fragment of the Bactericidal/Permeability-Increasing Protein (rBPI21). <i>Biophysical Journal</i> , 2009, 96, 987-996.	0.5	18
23	Circular dichroism of anthocyanidin 3-glucoside self-aggregates. <i>Phytochemistry</i> , 2013, 88, 92-98.	2.9	14
24	hiPSC-Based Model of Prenatal Exposure to Cannabinoids: Effect on Neuronal Differentiation. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 119.	2.9	14
25	Inflammatory factors, genetic variants, and predisposition for preterm birth. <i>Clinical Genetics</i> , 2021, 100, 357-367.	2.0	12
26	Evolution of the human immunodeficiency virus type 2 envelope in the first years of infection is associated with the dynamics of the neutralizing antibody response. <i>Retrovirology</i> , 2013, 10, 110.	2.0	11
27	Photochromism of the complex between 4-(2-hydroxyethoxy)-7-hydroxyflavylium and β -cyclodextrin, studied by ^1H NMR, UV-Vis, continuous irradiation and circular dichroism. <i>Dyes and Pigments</i> , 2014, 110, 106-112.	3.7	9
28	Validation of the Third Molar Maturation Index (I3M) to assess the legal adult age in the Portuguese population. <i>Scientific Reports</i> , 2020, 10, 18466.	3.3	9
29	Neuroprotection or Neurotoxicity of Illicit Drugs on Parkinson's Disease. <i>Life</i> , 2020, 10, 86.	2.4	8
30	Development of a high throughput methodology to screen cathinone toxicological impact. <i>Forensic Science International</i> , 2019, 298, 1-9.	2.2	6
31	Sex Prediction Based on Mesiodistal Width Data in the Portuguese Population. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4156.	2.5	6
32	Novel Psychoactive Substances: The Razor's Edge between Therapeutical Potential and Psychoactive Recreational Misuse. <i>Medicines (Basel, Switzerland)</i> , 2022, 9, 19.	1.4	6
33	Measuring intracellular enzyme concentrations. <i>Biochemistry and Molecular Biology Education</i> , 2008, 36, 135-138.	1.2	5
34	Effect of β -Cyclodextrin on the Multistate Species Distribution of 3-Methoxy-4,7-dihydroxyflavylium. Discrimination of the Two Hemiketal Enantiomers. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6346-6358.	5.2	5
35	Unveiling heme proteins conformational stability through a UV absorbance ratio method. <i>Analytical Biochemistry</i> , 2007, 371, 253-255.	2.4	3
36	Dating inks on paper through chromatographic analysis of volatile compounds: a mini-review. <i>Annals of Medicine</i> , 2024, 51, 180-180.	3.8	3

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37	An Umbrella Review of the Evidence of Sex Determination Procedures in Forensic Dentistry. Journal of Personalized Medicine, 2022, 12, 787.	2.5	3
38	Dating documents by chromatographic analysis of dyes present in viscous and liquid inks. Annals of Medicine, 2024, 51, 180-180.	3.8	2
39	The synthetic cannabinoid JWH-018 modulates <i>Saccharomyces cerevisiae</i> energetic metabolism. FEMS Yeast Research, 2019, 19, .	2.3	2
40	Evidence for association between genetic polymorphisms and cannabis dependence. Annals of Medicine, 2024, 51, 177-177.	3.8	1
41	Assessing the content of a synthetic cannabinoid "research chemical" package. Annals of Medicine, 2024, 51, 173-173.	3.8	1
42	Evaluating polar and non-polar solvents extraction efficiency of gunpowder components by FTIR. Annals of Medicine, 2024, 51, 181-181.	3.8	1
43	A biophysical perspective on the unexplored mechanisms driving Parkinson's disease by amphetamine-like stimulants. Neural Regeneration Research, 2021, 16, 2213.	3.0	1
44	Cannabinoid dependence: psychological issues in a biopsychosocial approach research " a working paper. Annals of Medicine, 2024, 51, 185-185.	3.8	0
45	Should we legalize marijuana? Ten years of learning from JWH-018 first seizure. Annals of Medicine, 2024, 51, 178-178.	3.8	0
46	Risk assessment of 4-Chloromethcathinone using <i>Saccharomyces cerevisiae</i> as a toxicological model. Annals of Medicine, 2024, 51, 93-93.	3.8	0
47	The control of synthetic cannabinoids potentiates the toxicity of emerging substances. Annals of Medicine, 2024, 51, 174-175.	3.8	0
48	<i>Saccharomyces cerevisiae</i> as a screening tool to assess cathinones' toxicity. Annals of Medicine, 2024, 51, 176-176.	3.8	0
49	Cannabinoids affect differentiation of human iPSC-derived neurons. Frontiers in Cellular Neuroscience, 0, 13, .	3.7	0