Luciano Piubelli

List of Publications by Year in Descending Order

41 papers	1,218 citations	21 h-index	34 g-index
43 ext. papers	1,334 ext. citations	4.7 avg, IF	3.97 L-index

#	Paper	IF	Citations
41	The Role of D-Amino Acids in Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2021**, 80, 475-492	4.3	7
40	Serum D-serine levels are altered in early phases of Alzheimer's disease: towards a precocious biomarker. *Translational Psychiatry*, **2021**, 11, 77	8.6	11
39	Rational Design, Synthesis, and Characterization of Glycoconjugates as Potential Vaccines against Tuberculosis. *Proceedings (mdpi)*, **2019**, 22, 46	0.3	
38	Epitope and affinity determination of recombinant Mycobacterium tuberculosis Ag85B antigen towards anti-Ag85 antibodies using proteolytic affinity-mass spectrometry and biosensor analysis. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 439-448	4.4	7
37	Enterokinase monolithic bioreactor as an efficient tool for biopharmaceuticals preparation: on-line cleavage of fusion proteins and analytical characterization of released products. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 157, 10-19	3.5	7
36	Rational design, preparation and characterization of recombinant Ag85B variants and their glycoconjugates with T-cell antigenic activity against .. *RSC Advances*, **2018**, 8, 23171-23180	3.7	6
35	Hydrophilic interaction liquid chromatography-mass spectrometry as a new tool for the characterization of intact semi-synthetic glycoproteins. *Analytica Chimica Acta*, **2017**, 981, 94-105	6.6	24
34	Glycosylation of Recombinant Antigenic Proteins from Mycobacterium tuberculosis: In Silico Prediction of Protein Epitopes and Ex Vivo Biological Evaluation of New Semi-Synthetic Glycoconjugates. *Molecules*, **2017**, 22,	4.8	11
33	Assays of D-Amino Acid Oxidase Activity. *Frontiers in Molecular Biosciences*, **2017**, 4, 102	5.6	18
32	From new Diagnostic Targets to Recombinant Proteins and Semi-Synthetic Protein-Based Vaccines. *Current Organic Chemistry*, **2016**, 20, 1150-1168	1.7	6
31	Monitoring antigenic protein integrity during glycoconjugate vaccine synthesis using capillary electrophoresis-mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 6123-32	4.4	14
30	Structure-function relationships in human d-amino acid oxidase variants corresponding to known SNPs. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2015**, 1854, 1150-9	4	18
29	Immobilization of L-aspartate oxidase from Sulfolobus tokodaii as a biocatalyst for resolution of aspartate solutions. *Catalysis Science and Technology*, **2015**, 5, 1106-1114	5.5	3
28	Liquid chromatography-mass spectrometry structural characterization of neo glycoproteins aiding the rational design and synthesis of a novel glycovaccine for protection against tuberculosis. *Journal of Chromatography A*, **2014**, 1367, 57-67	4.5	17
27	Characterization of intact neo-glycoproteins by hydrophilic interaction liquid chromatography. *Molecules*, **2014**, 19, 9070-88	4.8	29
26	Novel biosensors based on optimized glycine oxidase. *FEBS Journal*, **2014**, 281, 3460-72	5.7	14
25	Structural, kinetic, and pharmacodynamic mechanisms of D-amino acid oxidase inhibition by small molecules. *Journal of Medicinal Chemistry*, **2013**, 56, 3710-24	8.3	26

24	Optimizing Escherichia coli as a protein expression platform to produce Mycobacterium tuberculosis immunogenic proteins. *Microbial Cell Factories*, **2013**, 12, 115	6.4	25
23	Enzymatic detection of D-amino acids. *Methods in Molecular Biology*, **2012**, 794, 273-89	1.4	19
22	Is rat an appropriate animal model to study the involvement of D-serine catabolism in schizophrenia? Insights from characterization of D-amino acid oxidase. *FEBS Journal*, **2011**, 278, 4362-73	5.7	23
21	Optimizing HIV-1 protease production in Escherichia coli as fusion protein. *Microbial Cell Factories*, **2011**, 10, 53	6.4	31
20	Production of recombinant cholesterol oxidase containing covalently bound FAD in Escherichia coli. *BMC Biotechnology*, **2010**, 10, 33	3.5	28
19	Cholesterol oxidase: biotechnological applications. *FEBS Journal*, **2009**, 276, 6857-70	5.7	63
18	On the oxygen reactivity of flavoprotein oxidases: an oxygen access tunnel and gate in brevibacterium sterolicum cholesterol oxidase. *Journal of Biological Chemistry*, **2008**, 283, 24738-47	5.4	38
17	Relevance of the flavin binding to the stability and folding of engineered cholesterol oxidase containing noncovalently bound FAD. *Protein Science*, **2008**, 17, 409-19	6.3	19
16	Pronase-immobilized enzyme reactor: an approach for automation in glycoprotein analysis by LC/LC-ESI/MSn. *Analytical Chemistry*, **2007**, 79, 355-63	7.8	61
15	Physiological functions of D-amino acid oxidases: from yeast to humans. *Cellular and Molecular Life Sciences*, **2007**, 64, 1373-94	10.3	267
14	Engineering the properties of D-amino acid oxidases by a rational and a directed evolution approach. *Current Protein and Peptide Science*, **2007**, 8, 600-18	2.8	31
13	Investigating the role of active site residues of Rhodotorula gracilis D-amino acid oxidase on its substrate specificity. *Biochimie*, **2007**, 89, 360-8	4.6	10
12	Unfolding intermediate in the peroxisomal flavoprotein D-amino acid oxidase. *Journal of Biological Chemistry*, **2004**, 279, 28426-34	5.4	24
11	On the mechanism of Rhodotorula gracilis D-amino acid oxidase: role of the active site serine 335. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2004**, 1702, 19-32	4	8
10	Contribution of the dimeric state to the thermal stability of the flavoprotein D-amino acid oxidase. *Protein Science*, **2003**, 12, 1018-29	6.3	38
9	Regulation of D-amino acid oxidase expression in the yeast Rhodotorula gracilis. *Yeast*, **2003**, 20, 1061-9	3.4	24
8	Dissection of the structural determinants involved in formation of the dimeric form of D-amino acid oxidase from Rhodotorula gracilis: role of the size of the betaF5-betaF6 loop. *Protein Engineering, Design and Selection*, **2003**, 16, 1063-9	1.9	11
7	Conversion of the dimeric D-amino acid oxidase from Rhodotorula gracilis to a monomeric form. A rational mutagenesis approach. *FEBS Letters*, **2002**, 526, 43-8	3.8	21

6	Competition between C-terminal tyrosine and nicotinamide modulates pyridine nucleotide affinity and specificity in plant ferredoxin-NADP(+) reductase. *Journal of Biological Chemistry*, **2000**, 275, 10472-6	5.4	74
5	Diffusion-controlled DNA recognition by an unfolded, monomeric bZIP transcription factor. *FEBS Letters*, **1998**, 425, 14-8	3.8	34
4	Probing the function of the invariant glutamyl residue 312 in spinach ferredoxin-NADP+ reductase. *Journal of Biological Chemistry*, **1998**, 273, 34008-15	5.4	48
3	On the role of the acidic cluster Glu 92-94 of spinach ferredoxin I. *BBA - Proteins and Proteomics*, **1997**, 1342, 45-50		16
2	Mutations of Glu92 in ferredoxin I from spinach leaves produce proteins fully functional in electron transfer but less efficient in supporting NADP+ photoreduction. *FEBS Journal*, **1996**, 236, 465-9		23
1	The role of cysteine residues of spinach ferredoxin-NADP+ reductase As assessed by site-directed mutagenesis. *Biochemistry*, **1993**, 32, 6374-80	3.2	64