

# Laura Caldinelli

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

720  
citations

516710

16  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

802  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure–function relationships in human d-amino acid oxidase. <i>Amino Acids</i> , 2012, 43, 1833-1850.	2.7	89
2	Catalytic Properties of d-Amino Acid Oxidase in Cephalosporin C Bioconversion: A Comparison between Proteins from Different Sources. <i>Biotechnology Progress</i> , 2008, 20, 467-473.	2.6	71
3	Dissecting the Structural Determinants of the Stability of Cholesterol Oxidase Containing Covalently Bound Flavin. <i>Journal of Biological Chemistry</i> , 2005, 280, 22572-22581.	3.4	60
4	Alpha-synuclein oligomers impair memory through glial cell activation and via Toll-like receptor 2. <i>Brain, Behavior, and Immunity</i> , 2018, 69, 591-602.	4.1	55
5	Effect of ligand binding on human D-amino acid oxidase: Implications for the development of new drugs for schizophrenia treatment. <i>Protein Science</i> , 2010, 19, 1500-1512.	7.6	48
6	Contribution of the dimeric state to the thermal stability of the flavoprotein D-amino acid oxidase. <i>Protein Science</i> , 2003, 12, 1018-1029.	7.6	43
7	Relevance of weak flavin binding in human D-amino acid oxidase. <i>Protein Science</i> , 2009, 18, 801-810.	7.6	43
8	Cellular prion protein neither binds to alpha-synuclein oligomers nor mediates their detrimental effects. <i>Brain</i> , 2019, 142, 249-254.	7.6	38
9	Engineering the Properties of D-Amino Acid Oxidases by a Rational and a Directed Evolution Approach. <i>Current Protein and Peptide Science</i> , 2007, 8, 600-618.	1.4	35
10	Assays of D-Amino Acid Oxidase Activity. <i>Frontiers in Molecular Biosciences</i> , 2017, 4, 102.	3.5	30
11	Conversion of the dimeric D-amino acid oxidase from <i>Rhodotorula gracilis</i> to a monomeric form. A rational mutagenesis approach. <i>FEBS Letters</i> , 2002, 526, 43-48.	2.8	26
12	Unfolding Intermediate in the Peroxisomal Flavoprotein d-Amino Acid Oxidase. <i>Journal of Biological Chemistry</i> , 2004, 279, 28426-28434.	3.4	26
13	Characterization of human DAAO variants potentially related to an increased risk of schizophrenia. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 400-410.	3.8	26
14	Relevance of the flavin binding to the stability and folding of engineered cholesterol oxidase containing noncovalently bound FAD. <i>Protein Science</i> , 2008, 17, 409-419.	7.6	22
15	Structure–function relationships in human d-amino acid oxidase variants corresponding to known SNPs. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1150-1159.	2.3	22
16	One single method to produce native and Tat-fused recombinant human $\beta$ -synuclein in <i>Escherichia coli</i> . <i>BMC Biotechnology</i> , 2013, 13, 32.	3.3	18
17	Regulating levels of the neuromodulator D-serine in human brain: structural insight into pLG72 and D-amino acid oxidase interaction. <i>FEBS Journal</i> , 2016, 283, 3353-3370.	4.7	15
18	Dissection of the structural determinants involved in formation of the dimeric form of D-amino acid oxidase from <i>Rhodotorula gracilis</i> : role of the size of the $\beta$ 5- $\beta$ 6 loop. <i>Protein Engineering, Design and Selection</i> , 2003, 16, 1063-1069.	2.1	14

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19	Tryptophan 243 affects interprotein contacts, cofactor binding and stability in D-amino acid oxidase from <i>Rhodotorula gracilis</i> . <i>FEBS Journal</i> , 2006, 273, 504-512.	4.7	11
20	Human d -amino acid oxidase: The inactive G183R variant. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 822-830.	2.3	11
21	Molecular insights into the role of the polyalanine region in mediating <scp>PHOX</scp>2B aggregation. <i>FEBS Journal</i> , 2019, 286, 2505-2521.	4.7	9
22	FAD binding in glycine oxidase from <i>Bacillus subtilis</i> . <i>Biochimie</i> , 2009, 91, 1499-1508.	2.6	8