

# Loredano Pollegioni

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

225  
papers

7,571  
citations

45  
h-index

77  
g-index

233  
ext. papers

8,548  
ext. citations

5.7  
avg, IF

6.03  
L-index

#	Paper	IF	Citations
225	Unveiling the Bio-corona Fingerprinting of Potential Anticancer Carbon Nanotubes Coupled with D-Amino Acid Oxidase.. <i>Molecular Biotechnology</i> , <b>2022</b> , 1	3	
224	D-amino acids as novel blood-based biomarkers. <i>Current Medicinal Chemistry</i> , <b>2021</b> ,	4.3	3
223	Reactive oxygen species as a double-edged sword: The role of oxidative enzymes in antitumor therapy. <i>BioFactors</i> , <b>2021</b> ,	6.1	5
222	The Role of D-Amino Acids in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , <b>2021</b> , 80, 475-492	4.3	7
221	Cellular studies of the two main isoforms of human d-aspartate oxidase. <i>FEBS Journal</i> , <b>2021</b> , 288, 4939-4954	5.7	1
220	Quantitative measurements of free and immobilized RgDAAO Michaelis-Menten constant using an electrochemical assay reveal the impact of covalent cross-linking on substrate specificity. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 6793-6802	4.4	0
219	Yin and Yang in Post-Translational Modifications of Human D-Amino Acid Oxidase. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 684934	5.6	
218	Analytical methods for the investigation of enzyme-catalyzed degradation of polyethylene terephthalate. <i>FEBS Journal</i> , <b>2021</b> , 288, 4730-4745	5.7	10
217	Enhancing Electrochemical Biosensor Selectivity with Engineered d-Amino Acid Oxidase Enzymes for d-Serine and d-Alanine Quantification.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 5598-5604	4.1	1
216	Dopaminergic neuromodulation of prefrontal cortex activity requires the NMDA receptor coagonist d-serine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3
215	Human D-aspartate Oxidase: A Key Player in D-aspartate Metabolism. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 689719	5.6	0
214	Serum D-serine levels are altered in early phases of Alzheimer's disease: towards a precocious biomarker. <i>Translational Psychiatry</i> , <b>2021</b> , 11, 77	8.6	11
213	Antimicrobial D-amino acid oxidase-derived peptides specify gut microbiota. <i>Cellular and Molecular Life Sciences</i> , <b>2021</b> , 78, 3607-3620	10.3	2
212	Editors' Choice: Miniaturized Enzymatic Biosensor for Detection of Sensory-Evoked D-serine Release in the Brain. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 025502	3.9	4
211	An antibody-based enzymatic therapy for cancer treatment: The selective localization of D-amino acid oxidase to EDA fibronectin. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2021</b> , 36, 102424 <sup>6</sup>		4
210	An Efficient Protein Evolution Workflow for the Improvement of Bacterial PET Hydrolyzing Enzymes.. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 23,	6.3	2
209	d-Serine as a Key Building Block: Enzymatic Process Development and Smart Applications within the Cascade Enzymatic Concept. <i>Organic Process Research and Development</i> , <b>2020</b> , 24, 769-775	3.9	0

208	Advances in Enzymatic Synthesis of D-Amino Acids. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	11
207	Expression and purification of the human tumor suppressor protein RNASET2 in CHO-S cells. <i>Protein Expression and Purification</i> , <b>2020</b> , 174, 105675	2	1
206	Synthesis and preliminary evaluation of 4-hydroxy-6-(3-[C]methoxyphenethyl)pyridazin-3(2H)-one, a C-labeled d-amino acid oxidase (DAAO) inhibitor for PET imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2020</b> , 30, 127326	2.9	0
205	Antimicrobial Role of RNASET2 Protein During Innate Immune Response in the Medicinal Leech. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 370	8.4	7
204	L-serine synthesis via the phosphorylated pathway in humans. <i>Cellular and Molecular Life Sciences</i> , <b>2020</b> , 77, 5131-5148	10.3	14
203	Is the primate-specific protein pLG72 affecting SOD1 functionality and superoxide formation?. <i>Free Radical Research</i> , <b>2020</b> , 54, 419-430	4	0
202	Biosensors for D-Amino Acids: Detection Methods and Applications. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	12
201	Enzymatic transformation of aflatoxin B by Rh_DypB peroxidase and characterization of the reaction products. <i>Chemosphere</i> , <b>2020</b> , 250, 126296	8.4	16
200	PEG-DAAO conjugate: A promising tool for cancer therapy optimized by protein engineering. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2020</b> , 24, 102122	6	6
199	D-amino acids in foods. <i>Applied Microbiology and Biotechnology</i> , <b>2020</b> , 104, 555-574	5.7	31
198	Structure and kinetic properties of human d-aspartate oxidase, the enzyme-controlling d-aspartate levels in brain. <i>FASEB Journal</i> , <b>2020</b> , 34, 1182-1197	0.9	11
197	Direct chromatographic methods for enantioresolution of amino acids: recent developments. <i>Amino Acids</i> , <b>2020</b> , 52, 849-862	3.5	8
196	Biochemical characterization of mouse d-aspartate oxidase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2020</b> , 1868, 140472	4	4
195	A comprehensive practical laboratory course on protein engineering: Evolution of a glycine oxidase variant active on the herbicide glyphosate. <i>Biochemistry and Molecular Biology Education</i> , <b>2019</b> , 47, 689-699	1.3	1
194	Investigating brain d-serine: Advocacy for good practices. <i>Acta Physiologica</i> , <b>2019</b> , 226, e13257	5.6	16
193	Properties of l-amino acid deaminase: En route to optimize bioconversion reactions. <i>Biochimie</i> , <b>2019</b> , 158, 199-207	4.6	7
192	The levels of the NMDA receptor co-agonist D-serine are reduced in the substantia nigra of MPTP-lesioned macaques and in the cerebrospinal fluid of Parkinson's disease patients. <i>Scientific Reports</i> , <b>2019</b> , 9, 8898	4.9	18
191	One-Pot Cascade Synthesis of (3S)-Hydroxyketones Catalyzed by Transketolase via Hydroxypyruvate Generated in Situ from d-Serine by d-Amino Acid Oxidase. <i>Advanced Synthesis and Catalysis</i> , <b>2019</b> , 361, 2550	5.6	5

190	Free d-aspartate triggers NMDA receptor-dependent cell death in primary cortical neurons and perturbs JNK activation, Tau phosphorylation, and protein SUMOylation in the cerebral cortex of mice lacking d-aspartate oxidase activity. <i>Experimental Neurology</i> , <b>2019</b> , 317, 51-65	5.7	17
189	Molecular insights into the role of the polyalanine region in mediating PHOX2B aggregation. <i>FEBS Journal</i> , <b>2019</b> , 286, 2505-2521	5.7	3
188	Metabolic resistance of the D-peptide RD2 developed for direct elimination of amyloid- $\beta$ oligomers. <i>Scientific Reports</i> , <b>2019</b> , 9, 5715	4.9	15
187	Rational Design, Synthesis, and Characterization of Glycoconjugates as Potential Vaccines against Tuberculosis. <i>Proceedings (mdpi)</i> , <b>2019</b> , 22, 46	0.3	
186	Hydrogel-based delivery of Tat-fused protein Hsp70 protects dopaminergic cells in vitro and in a mouse model of Parkinson's disease. <i>NPG Asia Materials</i> , <b>2019</b> , 11,	10.3	18
185	Antibacterial Properties of D-Amino Acid Oxidase: Impact on the Food Industry. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2786	5.7	4
184	Bacterial Nanocellulose and Its Surface Modification by Glycidyl Methacrylate and Ethylene Glycol Dimethacrylate. Incorporation of Vancomycin and Ciprofloxacin. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	12
183	Substitution of Arginine 120 in Human D-Amino Acid Oxidase Favors FAD-Binding and Nuclear Mistargeting. <i>Frontiers in Molecular Biosciences</i> , <b>2019</b> , 6, 125	5.6	3
182	Cellular prion protein neither binds to alpha-synuclein oligomers nor mediates their detrimental effects. <i>Brain</i> , <b>2019</b> , 142, 249-254	11.2	27
181	Epitope and affinity determination of recombinant Mycobacterium tuberculosis Ag85B antigen towards anti-Ag85 antibodies using proteolytic affinity-mass spectrometry and biosensor analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 439-448	4.4	7
180	Alpha-synuclein oligomers impair memory through glial cell activation and via Toll-like receptor 2. <i>Brain, Behavior, and Immunity</i> , <b>2018</b> , 69, 591-602	16.6	40
179	Isolation and characterization of a heterologously expressed bacterial laccase from the anaerobe <i>Geobacter metallireducens</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2018</b> , 102, 2425-2439	5.7	15
178	Human d-amino acid oxidase: The inactive G183R variant. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2018</b> , 1866, 822-830	4	6
177	Enhancement of the Enzymatic Biosensor Response through Targeted Electrode Surface Roughness. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, G3074-G3079	3.9	9
176	D-Amino Acid Oxidase-pLG72 Interaction and D-Serine Modulation. <i>Frontiers in Molecular Biosciences</i> , <b>2018</b> , 5, 3	5.6	9
175	Human D-Amino Acid Oxidase: Structure, Function, and Regulation. <i>Frontiers in Molecular Biosciences</i> , <b>2018</b> , 5, 107	5.6	36
174	Engineering methionine S-lyase from <i>Citrobacter freundii</i> for anticancer activity. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2018</b> , 1866, 1260-1270	4	4
173	Proline oxidase controls proline, glutamate, and glutamine cellular concentrations in a U87 glioblastoma cell line. <i>PLoS ONE</i> , <b>2018</b> , 13, e0196283	3.7	17

172	In vitro evolution of an L-amino acid deaminase active on L-1-naphthylalanine. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 5359-5367	5.5	11
171	Characterization and use of a bacterial lignin peroxidase with an improved manganese-oxidative activity. <i>Applied Microbiology and Biotechnology</i> , <b>2018</b> , 102, 10579-10588	5.7	19
170	Binding Residence Time through Scaled Molecular Dynamics: A Prospective Application to hDAAO Inhibitors. <i>Journal of Chemical Information and Modeling</i> , <b>2018</b> , 58, 2255-2265	6.1	14
169	Rational design, preparation and characterization of recombinant Ag85B variants and their glycoconjugates with T-cell antigenic activity against .. <i>RSC Advances</i> , <b>2018</b> , 8, 23171-23180	3.7	6
168	Novel insights into renal D-amino acid oxidase accumulation: propiverine changes DAAO localization and peroxisomal size in vivo. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 427-437	5.8	8
167	Synthesis, characterization and programmable toxicity of iron oxide nanoparticles conjugated with D-amino acid oxidase. <i>RSC Advances</i> , <b>2017</b> , 7, 1439-1442	3.7	9
166	A valuable peroxidase activity from the novel species growing on alkali lignin. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , <b>2017</b> , 13, 49-57	5.3	14
165	Localized Detection of d-Serine by using an Enzymatic Amperometric Biosensor and Scanning Electrochemical Microscopy. <i>ChemElectroChem</i> , <b>2017</b> , 4, 920-926	4.3	15
164	Elucidating the role of the pLG72 R30K substitution in schizophrenia susceptibility. <i>FEBS Letters</i> , <b>2017</b> , 591, 646-655	3.8	6
163	Production and characterization of a novel antifungal chitinase identified by functional screening of a suppressive-soil metagenome. <i>Microbial Cell Factories</i> , <b>2017</b> , 16, 16	6.4	29
162	Olanzapine, but not clozapine, increases glutamate release in the prefrontal cortex of freely moving mice by inhibiting D-aspartate oxidase activity. <i>Scientific Reports</i> , <b>2017</b> , 7, 46288	4.9	29
161	L-aspartate oxidase magnetic nanoparticles: synthesis, characterization and L-aspartate bioconversion. <i>RSC Advances</i> , <b>2017</b> , 7, 21136-21143	3.7	3
160	Understanding renal nuclear protein accumulation: an in vitro approach to explain an in vivo phenomenon. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 3599-3611	5.8	5
159	Hydrophilic interaction liquid chromatography-mass spectrometry as a new tool for the characterization of intact semi-synthetic glycoproteins. <i>Analytica Chimica Acta</i> , <b>2017</b> , 981, 94-105	6.6	24
158	The Gliotransmitter d-Serine Promotes Synapse Maturation and Axonal Stabilization. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 6277-6288	6.6	18
157	Glycosylation of Recombinant Antigenic Proteins from Mycobacterium tuberculosis: In Silico Prediction of Protein Epitopes and Ex Vivo Biological Evaluation of New Semi-Synthetic Glycoconjugates. <i>Molecules</i> , <b>2017</b> , 22,	4.8	11
156	Deracemization and Stereo-inversion of $\alpha$ -Amino Acids by L-Amino Acid Deaminase. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 3773-3781	5.6	21
155	Breaking the mirror: L-Amino acid deaminase, a novel stereoselective biocatalyst. <i>Biotechnology Advances</i> , <b>2017</b> , 35, 657-668	17.8	45

154	Decreased free d-aspartate levels are linked to enhanced d-aspartate oxidase activity in the dorsolateral prefrontal cortex of schizophrenia patients. <i>NPJ Schizophrenia</i> , <b>2017</b> , 3, 16	5.5	38
153	A novel, simple screening method for investigating the properties of lignin oxidative activity. <i>Enzyme and Microbial Technology</i> , <b>2017</b> , 96, 143-150	3.8	13
152	Recombinant human Tat-Hsp70-2: A tool for neuroprotection. <i>Protein Expression and Purification</i> , <b>2017</b> , 138, 18-24	2	6
151	Biochemical Properties of Human D-Amino Acid Oxidase. <i>Frontiers in Molecular Biosciences</i> , <b>2017</b> , 4, 88	5.6	21
150	Engineering substrate promiscuity in halophilic alcohol dehydrogenase (HvADH2) by in silico design. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187482	3.7	7
149	Co-agonists differentially tune GluN2B-NMDA receptor trafficking at hippocampal synapses. <i>ELife</i> , <b>2017</b> , 6,	8.9	48
148	Regulating levels of the neuromodulator d-serine in human brain: structural insight into pLG72 and d-amino acid oxidase interaction. <i>FEBS Journal</i> , <b>2016</b> , 283, 3353-70	5.7	12
147	Cascade enzymatic cleavage of the EO-4 linkage in a lignin model compound. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 2195-2205	5.5	32
146	Age-Related Changes in D-Aspartate Oxidase Promoter Methylation Control Extracellular D-Aspartate Levels and Prevent Precocious Cell Death during Brain Aging. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 3064-78	6.6	39
145	Comparison of different microbial laccases as tools for industrial uses. <i>New Biotechnology</i> , <b>2016</b> , 33, 387-98	6.4	44
144	D-Serine and Glycine Differentially Control Neurotransmission during Visual Cortex Critical Period. <i>PLoS ONE</i> , <b>2016</b> , 11, e0151233	3.7	25
143	Structure-Function Relationships in l-Amino Acid Deaminase, a Flavoprotein Belonging to a Novel Class of Biotechnologically Relevant Enzymes. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 10457-75	5.4	36
142	Different recombinant forms of polyphenol oxidase A, a laccase from <i>Marinomonas mediterranea</i> . <i>Protein Expression and Purification</i> , <b>2016</b> , 123, 60-9	2	11
141	G72 primate-specific gene: a still enigmatic element in psychiatric disorders. <i>Cellular and Molecular Life Sciences</i> , <b>2016</b> , 73, 2029-39	10.3	26
140	Demethylation of vanillic acid by recombinant LigM in a one-pot cofactor regeneration system. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 7729-7737	5.5	16
139	Lignin-degrading enzymes. <i>FEBS Journal</i> , <b>2015</b> , 282, 1190-213	5.7	267
138	Structure-function relationships in human d-amino acid oxidase variants corresponding to known SNPs. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2015</b> , 1854, 1150-9	4	18
137	Insight into conformational modification of alpha-synuclein in the presence of neuronal whole cells and of their isolated membranes. <i>FEBS Letters</i> , <b>2015</b> , 589, 798-804	3.8	5

136	Unveiling the Atomic-Level Determinants of Acylase-Ligand Complexes: An Experimental and Computational Study. <i>Journal of Chemical Information and Modeling</i> , <b>2015</b> , 55, 2227-41	6.1	1
135	High-Throughput Screening Strategy Identifies Allosteric, Covalent Human D-Amino Acid Oxidase Inhibitor. <i>Journal of Biomolecular Screening</i> , <b>2015</b> , 20, 1218-31		11
134	Immobilization of L-aspartate oxidase from <i>Sulfolobus tokodaii</i> as a biocatalyst for resolution of aspartate solutions. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 1106-1114	5.5	3
133	New synthesis and biodistribution of the D-amino acid oxidase-magnetic nanoparticle system. <i>Future Science OA</i> , <b>2015</b> , 1, FSO67	2.7	8
132	Identity of the NMDA receptor coagonist is synapse specific and developmentally regulated in the hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E204-13	11.5	78
131	One-pot conversion of cephalosporin C by using an optimized two-enzyme process. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 1854-1863	5.5	4
130	The degradation (by distinct pathways) of human D-amino acid oxidase and its interacting partner pLG72--two key proteins in D-serine catabolism in the brain. <i>FEBS Journal</i> , <b>2014</b> , 281, 708-23	5.7	26
129	Astroglial d-serine is the endogenous co-agonist at the presynaptic NMDA receptor in rat entorhinal cortex. <i>Neuropharmacology</i> , <b>2014</b> , 83, 118-27	5.5	7
128	Liquid chromatography-mass spectrometry structural characterization of neo glycoproteins aiding the rational design and synthesis of a novel glycovaccine for protection against tuberculosis. <i>Journal of Chromatography A</i> , <b>2014</b> , 1367, 57-67	4.5	17
127	Disk-shaped amperometric enzymatic biosensor for in vivo detection of D-serine. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 3501-7	7.8	27
126	Single-batch, homogeneous phase depolymerization of cellulose catalyzed by a monocomponent endocellulase in ionic liquid [BMIM][Cl]. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2014</b> , 106, 76-80		10
125	Aggregation of Recombinant Proteins <b>2014</b> , 221-245		1
124	Serine racemase: a key player in apoptosis and necrosis. <i>Frontiers in Synaptic Neuroscience</i> , <b>2014</b> , 6, 9	3.5	18
123	Novel human D-amino acid oxidase inhibitors stabilize an active-site lid-open conformation. <i>Bioscience Reports</i> , <b>2014</b> , 34,	4.1	24
122	Aminoacetone oxidase from <i>Streptococcus oligofermentans</i> belongs to a new three-domain family of bacterial flavoproteins. <i>Biochemical Journal</i> , <b>2014</b> , 464, 387-99	3.8	9
121	Novel biosensors based on optimized glycine oxidase. <i>FEBS Journal</i> , <b>2014</b> , 281, 3460-72	5.7	14
120	Strategic manipulation of an industrial biocatalyst--evolution of a cephalosporin C acylase. <i>FEBS Journal</i> , <b>2014</b> , 281, 2443-55	5.7	20
119	Evolution of histamine oxidase activity for biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 739-48	5.7	7

118	One single method to produce native and Tat-fused recombinant human $\beta$ synuclein in Escherichia coli. <i>BMC Biotechnology</i> , <b>2013</b> , 13, 32	3.5	17
117	<i>Streptomyces</i> spp. as efficient expression system for a D,D-peptidase/D,D-carboxypeptidase involved in glycopeptide antibiotic resistance. <i>BMC Biotechnology</i> , <b>2013</b> , 13, 24	3.5	20
116	L-amino acid oxidase as biocatalyst: a dream too far?. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 9323-41	5.7	88
115	Cephalosporin C acylase: dream and(/or) reality. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 2341-55	5.7	38
114	Identity of endogenous NMDAR glycine site agonist in amygdala is determined by synaptic activity level. <i>Nature Communications</i> , <b>2013</b> , 4, 1760	17.4	61
113	In vivo D-serine hetero-exchange through alanine-serine-cysteine (ASC) transporters detected by microelectrode biosensors. <i>ACS Chemical Neuroscience</i> , <b>2013</b> , 4, 772-81	5.7	39
112	Structural, kinetic, and pharmacodynamic mechanisms of D-amino acid oxidase inhibition by small molecules. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 3710-24	8.3	26
111	A thermostable L-aspartate oxidase: a new tool for biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 7285-95	5.7	19
110	Optimizing Escherichia coli as a protein expression platform to produce Mycobacterium tuberculosis immunogenic proteins. <i>Microbial Cell Factories</i> , <b>2013</b> , 12, 115	6.4	25
109	Characterization of human DAAO variants potentially related to an increased risk of schizophrenia. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2013</b> , 1832, 400-10	6.9	24
108	Reduced D-serine levels in the nucleus accumbens of cocaine-treated rats hinder the induction of NMDA receptor-dependent synaptic plasticity. <i>Brain</i> , <b>2013</b> , 136, 1216-30	11.2	59
107	Structure of a class III engineered cephalosporin acylase: comparisons with class I acylase and implications for differences in substrate specificity and catalytic activity. <i>Biochemical Journal</i> , <b>2013</b> , 451, 217-26	3.8	23
106	D-amino acid oxidase-nanoparticle system: a potential novel approach for cancer enzymatic therapy. <i>Nanomedicine</i> , <b>2013</b> , 8, 1797-806	5.6	26
105	P53 family members modulate the expression of PRODH, but not PRODH2, via intronic p53 response elements. <i>PLoS ONE</i> , <b>2013</b> , 8, e69152	3.7	25
104	D-amino acid oxidase inhibitors as a novel class of drugs for schizophrenia therapy. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 19, 2499-511	3.3	70
103	On the substrate preference of glutaryl acylases. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2012</b> , 76, 52-58		10
102	Characterization of VanYn, a novel D,D-peptidase/D,D-carboxypeptidase involved in glycopeptide antibiotic resistance in Nonomurea sp. ATCC 39727. <i>FEBS Journal</i> , <b>2012</b> , 279, 3203-13	5.7	24
101	Synaptic and extrasynaptic NMDA receptors are gated by different endogenous coagonists. <i>Cell</i> , <b>2012</b> , 150, 633-46	56.2	483



100	Expression in Escherichia coli of the catalytic domain of human proline oxidase. <i>Protein Expression and Purification</i> , <b>2012</b> , 82, 345-51	2	21
99	Contribution of serine racemase/d-serine pathway to neuronal apoptosis. <i>Aging Cell</i> , <b>2012</b> , 11, 588-98	9.9	25
98	Expression of rat diamine oxidase in Escherichia coli. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2012</b> , 82, 115-120		5
97	d-Serine diffusion through the blood-brain barrier: effect on d-serine compartmentalization and storage. <i>Neurochemistry International</i> , <b>2012</b> , 60, 837-45	4.4	20
96	Assays of D-amino acid oxidases. <i>Methods in Molecular Biology</i> , <b>2012</b> , 794, 381-95	1.4	12
95	Structure-function relationships in human D-amino acid oxidase. <i>Amino Acids</i> , <b>2012</b> , 43, 1833-50	3.5	82
94	Glial D-serine gates NMDA receptors at excitatory synapses in prefrontal cortex. <i>Cerebral Cortex</i> , <b>2012</b> , 22, 595-606	5.1	137
93	Biosensors for D-amino acid detection. <i>Methods in Molecular Biology</i> , <b>2012</b> , 794, 313-24	1.4	11
92	Analyzing the D-amino acid content in biological samples by engineered enzymes. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2011</b> , 879, 3235-9	3.2	9
91	Evidence for the interaction of D-amino acid oxidase with pLG72 in a glial cell line. <i>Molecular and Cellular Neurosciences</i> , <b>2011</b> , 48, 20-8	4.8	46
90	On the reaction of D-amino acid oxidase with dioxygen: O <sub>2</sub> diffusion pathways and enhancement of reactivity. <i>FEBS Journal</i> , <b>2011</b> , 278, 482-92	5.7	15
89	Molecular basis of glyphosate resistance-different approaches through protein engineering. <i>FEBS Journal</i> , <b>2011</b> , 278, 2753-66	5.7	121
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