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List of Publications by Year in descending order

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50
papers

1,236
citations

471061

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Characterization of Cross-Linked Enzyme Aggregates of the Y509E Mutant of a Glycoside Hydrolase Family 52 β -xylosidase from <i>G. stearothermophilus</i> . <i>Molecules</i> , 2021, 26, 451.	1.7	6
2	L-Amino Acid Production by a Immobilized Double-Racemase Hydantoinase Process: Improvement and Comparison with a Free Protein System. <i>Catalysts</i> , 2017, 7, 192.	1.6	7
3	Immobilization of a multi-enzyme system for L-amino acids production. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1972-1981.	1.6	14
4	Rational re-design of the "double-racemase hydantoinase process" for optically pure production of natural and non-natural L-amino acids. <i>Biochemical Engineering Journal</i> , 2015, 101, 68-76.	1.8	13
5	Biochemical and Mutational Characterization of N-Succinyl-Amino Acid Racemase from <i>Geobacillus stearothermophilus</i> CECT49. <i>Molecular Biotechnology</i> , 2015, 57, 454-465.	1.3	2
6	Enzymatic dynamic kinetic resolution of racemic N-formyl- and N-carbamoyl-amino acids using immobilized L-N-carbamoylase and N-succinyl-amino acid racemase. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 283-291.	1.7	17
7	Biochemical and mutational studies of allantoinase from <i>Bacillus licheniformis</i> CECT 20T. <i>Biochimie</i> , 2014, 99, 178-188.	1.3	8
8	Amidohydrolase Process: Expanding the use of L-N-carbamoylase/N-succinyl-amino acid racemase tandem for the production of different optically pure L-amino acids. <i>Process Biochemistry</i> , 2014, 49, 1281-1287.	1.8	14
9	Mutational and Structural Analysis of L - N -Carbamoylase Reveals New Insights into a Peptidase M20/M25/M40 Family Member. <i>Journal of Bacteriology</i> , 2012, 194, 5759-5768.	1.0	23
10	New biocatalytic route for the production of enantioenriched β -alanine derivatives starting from 5- and 6-monosubstituted dihydrouracils. <i>Process Biochemistry</i> , 2012, 47, 2090-2096.	1.8	8
11	Stability and binding of the phosphorylated species of the N-terminal domain of enzyme I and the histidine phosphocarrier protein from the <i>Streptomyces coelicolor</i> phosphoenolpyruvate:sugar phosphotransferase system. <i>Archives of Biochemistry and Biophysics</i> , 2012, 526, 44-53.	1.4	6
12	Engineering Cyclic Amidases for Non-natural Amino Acid Synthesis. <i>Methods in Molecular Biology</i> , 2012, 794, 87-104.	0.4	3
13	Biochemical and Mutational Studies of the <i>Bacillus cereus</i> CECT 5050T Formamidase Support the Existence of a C-E-E-K Tetrad in Several Members of the Nitrilase Superfamily. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5761-5769.	1.4	16
14	N-Carbamoyl- β -alanine amidohydrolase from <i>Agrobacterium tumefaciens</i> C58: A promiscuous enzyme for the production of amino acids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3277-3282.	1.2	6
15	Carbamoylases: characteristics and applications in biotechnological processes. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 441-458.	1.7	34
16	Evaluation of substrate promiscuity of an L-carbamoyl amino acid amidohydrolase from <i>Geobacillus stearothermophilus</i> CECT43. <i>Biotechnology Progress</i> , 2010, 26, 954-959.	1.3	10
17	Natural Occurrence and Industrial Applications of α -Amino Acids: An Overview. <i>Chemistry and Biodiversity</i> , 2010, 7, 1531-1548.	1.0	124
18	Multisubstrate conversion to optically pure L-amino acids by a cascade chemoenzymatic process: Amidohydrolase process.cascatnote. <i>Journal of Biotechnology</i> , 2010, 150, 121-122.	1.9	0

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19	Structure of dihydropyrimidinase from <i>Sinorhizobium meliloti</i> CECT4114: New features in an amidohydrolase family member. <i>Journal of Structural Biology</i> , 2010, 169, 200-208.	1.3	28
20	Potential Application of <i>N</i> -Carbamoyl- β -Alanine Amidohydrolase from <i>Agrobacterium tumefaciens</i> C58 for β -Amino Acid Production. <i>Applied and Environmental Microbiology</i> , 2009, 75, 514-520.	1.4	21
21	Structure and conformational stability of a tetrameric thermostable <i>N</i> -succinylamino acid racemase. <i>Biopolymers</i> , 2009, 91, 757-772.	1.2	10
22	Inhibitory effect of different product analogues on β -alanine synthase: A thermodynamic and fluorescence analysis. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 212-220.	1.0	5
23	Racemization study on different <i>N</i> -acetylamino acids by a recombinant <i>N</i> -succinylamino acid racemase from <i>Geobacillus kaustophilus</i> CECT4264. <i>Process Biochemistry</i> , 2009, 44, 835-841.	1.8	12
24	Metal-triggered changes in the stability and secondary structure of a tetrameric dihydropyrimidinase: A biophysical characterization. <i>Biophysical Chemistry</i> , 2009, 139, 42-52.	1.5	13
25	Crystallization and preliminary crystallographic studies of an active-site mutant hydantoin racemase from <i>Sinorhizobium meliloti</i> CECT4114. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 50-53.	0.7	5
26	Crystallization and preliminary crystallographic studies of the recombinant <i>L</i> -N-carbamoylase from <i>Geobacillus stearothermophilus</i> CECT43. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 1135-1138.	0.7	4
27	The family 52 β -xylosidase from <i>Geobacillus stearothermophilus</i> is a dimer: Structural and biophysical characterization of a glycoside hydrolase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1924-1934.	1.1	17
28	Optically Pure β -Amino Acids Production by the β -Hydantoinase Process. <i>Recent Patents on Biotechnology</i> , 2008, 2, 35-46.	0.4	40
29	Recombinant Polycistronic Structure of Hydantoinase Process Genes in <i>Escherichia coli</i> for the Production of Optically Pure <i>d</i> -Amino Acids. <i>Applied and Environmental Microbiology</i> , 2007, 73, 1525-1531.	1.4	30
30	Thermodynamic and mutational studies of <i>L</i> -N-carbamoylase from <i>Sinorhizobium meliloti</i> CECT 4114 catalytic centre. <i>Biochimie</i> , 2006, 88, 837-847.	1.3	13
31	Crystallization and preliminary crystallographic studies of the recombinant dihydropyrimidinase from <i>Sinorhizobium meliloti</i> CECT4114. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 1223-1226.	0.7	10
32	Screening of autolytic yeast strains for production of <i>L</i> -amino acids. <i>Enzyme and Microbial Technology</i> , 2006, 40, 46-50.	1.6	5
33	Binding studies of hydantoin racemase from <i>Sinorhizobium meliloti</i> by calorimetric and fluorescence analysis. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 292-298.	1.1	11
34	Site-directed mutagenesis indicates an important role of cysteines 76 and 181 in the catalysis of hydantoin racemase from <i>Sinorhizobium meliloti</i> . <i>Protein Science</i> , 2006, 15, 2729-2738.	3.1	11
35	Enzymatic activity assay of <i>d</i> -hydantoinase by isothermal titration calorimetry. Determination of the thermodynamic activation parameters for the hydrolysis of several substrates. <i>Journal of Proteomics</i> , 2006, 67, 57-66.	2.4	6
36	Influence of sequential yeast mixtures on wine fermentation. <i>International Journal of Food Microbiology</i> , 2005, 98, 301-308.	2.1	132

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37	Molecular Cloning and Biochemical Characterization of <i>L</i> -N-Carbamoylase from <i>Sinorhizobium meliloti</i> CECT4114. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2005, 9, 16-25.	1.0	19
38	Crystallographic and Thermodynamic Analysis of the Binding of S-Octylglutathione to the Tyr 7 to Phe Mutant of Glutathione S-Transferase from <i>Schistosoma japonicum</i> . <i>Biochemistry</i> , 2005, 44, 1174-1183.	1.2	24
39	Molecular Cloning, Purification, and Biochemical Characterization of Hydantoin Racemase from the Legume Symbiont <i>Sinorhizobium meliloti</i> CECT 4114. <i>Applied and Environmental Microbiology</i> , 2004, 70, 625-630.	1.4	29
40	Molecular characterization and oenological properties of wine yeasts isolated during spontaneous fermentation of six varieties of grape must. <i>Food Microbiology</i> , 2004, 21, 149-155.	2.1	199
41	Biochemical characterization of a novel hydantoin racemase from <i>Agrobacterium tumefaciens</i> C58. <i>Biochimie</i> , 2004, 86, 77-81.	1.3	27
42	A monomer form of the glutathione S-transferase Y7F mutant from <i>Schistosoma japonicum</i> at acidic pH. <i>Biochemical and Biophysical Research Communications</i> , 2004, 314, 6-10.	1.0	6
43	Contribution of different natural yeasts to the aroma of two alcoholic beverages. <i>World Journal of Microbiology and Biotechnology</i> , 2003, 19, 297-304.	1.7	58
44	Catalytic analysis of a recombinant D-hydantoinase from <i>Agrobacterium tumefaciens</i> . <i>Biotechnology Letters</i> , 2003, 25, 1067-1073.	1.1	9
45	Identification of yeast species from orange fruit and juice by RFLP and sequence analysis of the 5.8S rRNA gene and the two internal transcribed spacers. <i>FEMS Yeast Research</i> , 2003, 3, 3-9.	1.1	99
46	Overexpression and characterization of hydantoin racemase from <i>Agrobacterium tumefaciens</i> C58. <i>Biochemical and Biophysical Research Communications</i> , 2003, 303, 541-547.	1.0	33
47	Thermodynamics of glutathione binding to the tyrosine 7 to phenylalanine mutant of glutathione S-transferase from <i>Schistosoma japonicum</i> . <i>International Journal of Biological Macromolecules</i> , 2003, 32, 77-82.	3.6	8
48	Complete Conversion of D,L-5-Monosubstituted Hydantoins with a Low Velocity of Chemical Racemization into D-Amino Acids Using Whole Cells of Recombinant <i>Escherichia coli</i> . <i>Biotechnology Progress</i> , 2002, 18, 1201-1206.	1.3	39
49	Optimisation of Two Recombinant Whole Cell Systems for the Production of Optically Pure D-Amino Acids. , 0, , 246-250.		0
50	Hydantoin Racemase: The Key Enzyme for the Production of Optically Pure \pm -Amino Acids. , 0, , 173-193.		1