

Josefa Mara Clemente-Jimnez

List of Publications by Citations

Source:

<https://exaly.com/author-pdf/7135870/josefa-maria-clemente-jimenez-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

50
papers

1,010
citations

15
h-index

30
g-index

52
ext. papers

1,125
ext. citations

3.9
avg, IF

3.6
L-index

#	Paper	IF	Citations
50	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	6	170
49	Influence of sequential yeast mixtures on wine fermentation. <i>International Journal of Food Microbiology</i> , 2005 , 98, 301-8	5.8	116
48	Natural occurrence and industrial applications of D-amino acids: an overview. <i>Chemistry and Biodiversity</i> , 2010 , 7, 1531-48	2.5	88
47	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	3.1	75
46	Contribution of different natural yeasts to the aroma of two alcoholic beverages. <i>World Journal of Microbiology and Biotechnology</i> , 2003 , 19, 297-304	4.4	45
45	Complete conversion of D,L-5-monosubstituted hydantoin 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, 1201-6	2.8	33
44	Overexpression and characterization of hydantoin racemase from <i>Agrobacterium tumefaciens</i> C58. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 303, 541-7	3.4	30
43	Optically pure alpha-amino acids production by the "Hydantoinase Process". <i>Recent Patents on Biotechnology</i> , 2008 , 2, 35-46	2.2	28
42	Structure of dihydropyrimidinase from <i>Sinorhizobium meliloti</i> CECT4114: new features in an amidohydrolase family member. <i>Journal of Structural Biology</i> , 2010 , 169, 200-8	3.4	27
41	Recombinant polycistronic structure of hydantoinase process genes in <i>Escherichia coli</i> for the production of optically pure D-amino acids. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 1525-31	4.8	27
40	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, 625-30	4.8	26
39	Carbamoylases: characteristics and applications in biotechnological processes. <i>Applied Microbiology and Biotechnology</i> , 2010 , 85, 441-58	5.7	25
38	Biochemical characterization of a novel hydantoin racemase from <i>Agrobacterium tumefaciens</i> C58. <i>Biochimie</i> , 2004 , 86, 77-81	4.6	24
37	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, 1174-83	3.2	22
36	Potential application of N-carbamoyl-beta-alanine amidohydrolase from <i>Agrobacterium tumefaciens</i> C58 for beta-amino acid production. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 514-20	4.8	17
35	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, 283-91	5.7	14
34	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, 5761-9	4.8	14

33	The family 52 beta-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, 1924-34	4	14
32	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	4.8	13
31	Metal-triggered changes in the stability and secondary structure of a tetrameric dihydropyrimidinase: a biophysical characterization. <i>Biophysical Chemistry</i> , 2009 , 139, 42-52	3.5	13
30	Molecular cloning and biochemical characterization of L-N-carbamoylase from <i>Sinorhizobium meliloti</i> CECT4114. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2005 , 9, 16-25	0.9	12
29	Immobilization of a multi-enzyme system for L-amino acids production. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 1972-1981	3.5	12
28	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	4.2	11
27	Racemization study on different N-acetyl amino acids by a recombinant N-succinyl amino acid racemase from <i>Geobacillus kaustophilus</i> CECT4264. <i>Process Biochemistry</i> , 2009 , 44, 835-841	4.8	11
26	Structure and conformational stability of a tetrameric thermostable N-succinyl amino acid racemase. <i>Biopolymers</i> , 2009 , 91, 757-72	2.2	10
25	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, 5759-68	3.5	10
24	Thermodynamic and mutational studies of L-N-carbamoylase from <i>Sinorhizobium meliloti</i> CECT 4114 catalytic centre. <i>Biochimie</i> , 2006 , 88, 837-47	4.6	9
23	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, 292-8	4	9
22	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, 2729-38	6.3	9
21	Catalytic analysis of a recombinant D-hydantoinase from <i>Agrobacterium tumefaciens</i> . <i>Biotechnology Letters</i> , 2003 , 25, 1067-73	3	9
20	Evaluation of substrate promiscuity of an L-carbamoyl amino acid amidohydrolase from <i>Geobacillus stearothermophilus</i> CECT43. <i>Biotechnology Progress</i> , 2010 , 26, 954-9	2.8	8
19	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, 1223-6		8
18	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	7.9	8
17	Biochemical and mutational studies of allantoinase from <i>Bacillus licheniformis</i> CECT 20T. <i>Biochimie</i> , 2014 , 99, 178-88	4.6	6
16	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	4	6

15	New biocatalytic route for the production of enantioenriched α -alanine derivatives starting from 5- and 6-monosubstituted dihydrouracils. <i>Process Biochemistry</i> , 2012 , 47, 2090-2096	4.8	6
14	Enzymatic activity assay of D-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		6
13	Inhibitory effect of different product analogues on α -alanine synthase: A thermodynamic and fluorescence analysis. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 212-220	2.9	5
12	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	3.4	5
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	4.1	4
10	N-Carbamoyl- α -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, 3277-82	3.2	4
9	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, 50-3		4
8	Crystallization and preliminary crystallographic studies of the recombinant L-N-carbamoylase from <i>Geobacillus stearothermophilus</i> CECT43. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008 , 64, 1135-8		4
7	Screening of autolytic yeast strains for production of l-amino acids. <i>Enzyme and Microbial Technology</i> , 2006 , 40, 46-50	3.8	4
6	Engineering cyclic amidases for non-natural amino acid synthesis. <i>Methods in Molecular Biology</i> , 2012 , 794, 87-104	1.4	3
5	Characterization of Cross-Linked Enzyme Aggregates of the Y509E Mutant of a Glycoside Hydrolase Family 52 β -xylosidase from. <i>Molecules</i> , 2021 , 26,	4.8	3
4	Biochemical and Mutational Characterization of N-Succinyl-Amino Acid Racemase from <i>Geobacillus stearothermophilus</i> CECT49. <i>Molecular Biotechnology</i> , 2015 , 57, 454-65	3	2
3	Hydantoin Racemase: The Key Enzyme for the Production of Optically Pure β -Amino Acids173-193		1
2	Synergies of Chemistry and Biochemistry for the Production of β -Amino Acids 2014 , 161-178		
1	Optimisation of Two Recombinant Whole Cell Systems for the Production of Optically Pure D-Amino Acids246-250		