Sonia RodrÃ-guez Giordano

List of Publications by Year
in descending order

24 papers	582 citations	687363 13 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	612 citing authors

#	Article	IF	Citations
1	Extremophilic lipases and esterases: Characteristics and industrial applications. , 2022, , 207-222.		2
2	Identification, Characterization, and In Silico Analysis of New Imine Reductases From Native Streptomyces Genomes. Frontiers in Catalysis, 2021, 1, .	3.9	1
3	Câˆ'H Amination via Nitrene Transfer Catalyzed by Mononuclear Nonâ€Heme Ironâ€Dependent Enzymes. ChemBioChem, 2020, 21, 1981-1987.	2.6	25
4	Endophytic biocatalysts with enoate reductase activity isolated from Mentha pulegium. World Journal of Microbiology and Biotechnology, 2018, 34, 50.	3.6	2
5	Identification, expression and characterization of an R-Ï‰-transaminase from Capronia semiimmersa. Applied Microbiology and Biotechnology, 2017, 101, 5677-5687.	3.6	28
6	Siteâ€Directed Mutagenesis Studies on the Toluene Dioxygenase Enzymatic System: Role of Phenylalanine 366, Threonine 365 and Isoleucine 324 in the Chemoâ€; Regioâ€; and Stereoselectivity. Advanced Synthesis and Catalysis, 2017, 359, 2149-2157.	4.3	14
7	A novel thermophilic and halophilic esterase from Janibacter sp. R02, the first member of a new lipase family (Family XVII). Enzyme and Microbial Technology, 2017, 98, 86-95.	3.2	56
8	Computational insights into the oxidation of mono- and 1,4 disubstituted arenes by the Toluene Dioxygenase enzymatic complex. Journal of Molecular Catalysis B: Enzymatic, 2016, 133, S410-S419.	1.8	8
9	Endophytic microorganisms: A source of potentially useful biocatalysts. Journal of Molecular Catalysis B: Enzymatic, 2016, 133, S569-S581.	1.8	14
10	A study of<i>Raphanus sativus</i>and its endophytes as carbonyl group bioreducing agents. Biocatalysis and Biotransformation, 2015, 33, 121-129.	2.0	5
11	Saturation mutagenesis in selected amino acids to shift Pseudomonas sp. acidic lipase Lip I.3 substrate specificity and activity. Chemical Communications, 2015, 51, 1330-1333.	4.1	23
12	Chemoenzymatic synthesis of fluoxetine precursors. Reduction of Î²-substituted propiophenones. Journal of Molecular Catalysis B: Enzymatic, 2014, 102, 94-98.	1.8	10
13	Production of cis-1,2-dihydrocatechols of high synthetic value by whole-cell fermentation using Escherichia coli JM109 (pDTG601): A detailed study. Journal of Molecular Catalysis B: Enzymatic, 2013, 96, 14-20.	1.8	28
14	Acidic lipase Lip I.3 from a <i>Pseudomonas fluorescens</i> -like strain displays unusual properties and shows activity on secondary alcohols. Journal of Applied Microbiology, 2013, 114, 722-732.	3.1	32
15	Stereoselective biotransformation of Î±-alkyl-Î²-keto esters by endophytic bacteria and yeast. Journal of Molecular Catalysis B: Enzymatic, 2011, 71, 90-94.	1.8	25
16	A recombinantEscherichia coliexpressing an Î±-alkyl-Î²-ketoester reductase with unusual stereoselectivity. Biocatalysis and Biotransformation, 2007, 25, 414-417.	2.0	12
17	Are endophytic microorganisms involved in the stereoselective reduction of ketones by Daucus carota root?. Journal of Molecular Catalysis B: Enzymatic, 2007, 49, 8-11.	1.8	25
18	Biotransformation of 1,8-cineole, the main product of Eucalyptus oils. Electronic Journal of Biotechnology, 2006, 9, 0-0.	2.2	18

#	Article	IF	Citations
19	Assessing substrate acceptance and enantioselectivity of yeast reductases in reactions with substituted Î±-keto Î²-lactams. Journal of Molecular Catalysis B: Enzymatic, 2005, 32, 167-174.	1.8	11
20	Purification and Identification of an Escherichia coli Î²-Keto Ester Reductase as 2,5-Diketo-D-gluconate Reductase YqhE. Biotechnology Progress, 2002, 18, 257-261.	2.6	33
21	Highly Stereoselective Reagents for Î²-Keto Ester Reductions by Genetic Engineering of Baker's Yeast. Journal of the American Chemical Society, 2001, 123, 1547-1555.	13.7	92
22	Determination of the phospholipid/lipophilic compounds ratio in liposomes by thin-layer chromatography scanning densitometry. Lipids, 2000, 35, 1033-1036.	1.7	11
23	Asymmetric Synthesis of Î²-Hydroxy Esters and Î±-Alkyl-Î²-hydroxy Esters by RecombinantEscherichia coliExpressing Enzymes from Baker's Yeast. Journal of Organic Chemistry, 2000, 65, 2586-2587.	3.2	59
24	Improving the Stereoselectivity of Bakers' Yeast Reductions by Genetic Engineering. Organic Letters, 1999, 1, 1153-1155.	4.6	48