

# Sonia RodrÃ-iguez Giordano

## List of Publications by Year in descending order

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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	Highly Stereoselective Reagents for $\hat{I}^2$ -Keto Ester Reductions by Genetic Engineering of Baker's Yeast. <i>Journal of the American Chemical Society</i> , 2001, 123, 1547-1555.	13.7	92
2	Asymmetric Synthesis of $\hat{I}^2$ -Hydroxy Esters and $\hat{I}^{\pm}$ -Alkyl- $\hat{I}^2$ -hydroxy Esters by Recombinant <i>Escherichia coli</i> Expressing Enzymes from Baker's Yeast. <i>Journal of Organic Chemistry</i> , 2000, 65, 2586-2587.	3.2	59
3	A novel thermophilic and halophilic esterase from <i>Janibacter</i> sp. R02, the first member of a new lipase family (Family XVII). <i>Enzyme and Microbial Technology</i> , 2017, 98, 86-95.	3.2	56
4	Improving the Stereoselectivity of Bakers' Yeast Reductions by Genetic Engineering. <i>Organic Letters</i> , 1999, 1, 1153-1155.	4.6	48
5	Purification and Identification of an <i>Escherichia coli</i> $\hat{I}^2$ -Keto Ester Reductase as 2,5-Diketo-D-gluconate Reductase YqhE. <i>Biotechnology Progress</i> , 2002, 18, 257-261.	2.6	33
6	Acidic lipase Lip I.3 from a <i>Pseudomonas fluorescens</i> -like strain displays unusual properties and shows activity on secondary alcohols. <i>Journal of Applied Microbiology</i> , 2013, 114, 722-732.	3.1	32
7	Production of cis-1,2-dihydrocatechols of high synthetic value by whole-cell fermentation using <i>Escherichia coli</i> JM109 (pDTG601): A detailed study. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 96, 14-20.	1.8	28
8	Identification, expression and characterization of an R $\hat{I}^{\%}$ -transaminase from <i>Capronia semiimmersa</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5677-5687.	3.6	28
9	Are endophytic microorganisms involved in the stereoselective reduction of ketones by <i>Daucus carota</i> root?. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007, 49, 8-11.	1.8	25
10	Stereoselective biotransformation of $\hat{I}^{\pm}$ -alkyl- $\hat{I}^2$ -keto esters by endophytic bacteria and yeast. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 71, 90-94.	1.8	25
11	C $\hat{I}^{\sim}$ H Amination via Nitrene Transfer Catalyzed by Mononuclear Non $\hat{I}^{\epsilon}$ Heme Iron $\hat{I}^{\epsilon}$ Dependent Enzymes. <i>ChemBioChem</i> , 2020, 21, 1981-1987.	2.6	25
12	Saturation mutagenesis in selected amino acids to shift <i>Pseudomonas</i> sp. acidic lipase Lip I.3 substrate specificity and activity. <i>Chemical Communications</i> , 2015, 51, 1330-1333.	4.1	23
13	Biotransformation of 1,8-cineole, the main product of Eucalyptus oils. <i>Electronic Journal of Biotechnology</i> , 2006, 9, 0-0.	2.2	18
14	Endophytic microorganisms: A source of potentially useful biocatalysts. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, S569-S581.	1.8	14
15	Site $\hat{I}^{\epsilon}$ Directed Mutagenesis Studies on the Toluene Dioxygenase Enzymatic System: Role of Phenylalanine 366, Threonine 365 and Isoleucine 324 in the Chemo $\hat{I}^{\epsilon}$ , Regio $\hat{I}^{\epsilon}$ , and Stereoselectivity. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2149-2157.	4.3	14
16	A recombinant <i>Escherichia coli</i> expressing an $\hat{I}^{\pm}$ -alkyl- $\hat{I}^2$ -ketoester reductase with unusual stereoselectivity. <i>Biocatalysis and Biotransformation</i> , 2007, 25, 414-417.	2.0	12
17	Determination of the phospholipid/lipophilic compounds ratio in liposomes by thin-layer chromatography scanning densitometry. <i>Lipids</i> , 2000, 35, 1033-1036.	1.7	11
18	Assessing substrate acceptance and enantioselectivity of yeast reductases in reactions with substituted $\hat{I}^{\pm}$ -keto $\hat{I}^2$ -lactams. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2005, 32, 167-174.	1.8	11

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19	Chemoenzymatic synthesis of fluoxetine precursors. Reduction of $\hat{2}$ -substituted propiophenones. Journal of Molecular Catalysis B: Enzymatic, 2014, 102, 94-98.	1.8	10
20	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
21	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
22	Endophytic biocatalysts with enoate reductase activity isolated from <i>Mentha pulegium</i> . World Journal of Microbiology and Biotechnology, 2018, 34, 50.	3.6	2
23	Extremophilic lipases and esterases: Characteristics and industrial applications. , 2022, , 207-222.		2
24	Identification, Characterization, and In Silico Analysis of New Imine Reductases From Native <i>Streptomyces</i> Genomes. Frontiers in Catalysis, 2021, 1, .	3.9	1