Teresa de Diego

List of Publications by Year in descending order

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56 papers	3,195 citations	201674 27 h-index	161849 54 g-index
61 all docs	61 docs citations	61 times ranked	2109 citing authors

#	Article	IF	Citations
1	Understanding Structureâ"Stability Relationships ofCandidaantarticaLipase B in Ionic Liquids. Biomacromolecules, 2005, 6, 1457-1464.	5.4	301
2	Stabilization of ?-chymotrypsin by ionic liquids in transesterification reactions. Biotechnology and Bioengineering, 2001, 75, 563-569.	3.3	233
3	Over-stabilization of Candida antarctica lipase B by ionic liquids in ester synthesis. Biotechnology Letters, 2001, 23, 1529-1533.	2.2	223
4	Continuous green biocatalytic processes using ionic liquids and supercritical carbon dioxide. Chemical Communications, 2002, , 692-693.	4.1	212
5	Fluorescence and CD spectroscopic analysis of the ?-chymotrypsin stabilization by the ionic liquid, 1-ethyl-3-methylimidazolium bis[(trifluoromethyl)sulfonyl]amide. Biotechnology and Bioengineering, 2004, 88, 916-924.	3.3	190
6	A Compressive Review about TaxolÂ®: History and Future Challenges. Molecules, 2020, 25, 5986.	3.8	148
7	Lipase Catalysis in Ionic Liquids and Supercritical Carbon Dioxide at 150 Â°C. Biotechnology Progress, 2003, 19, 380-382.	2.6	136
8	Criteria to Design Green Enzymatic Processes in Ionic Liquid/Supercritical Carbon Dioxide Systems. Biotechnology Progress, 2004, 20, 661-669.	2.6	134
9	Bioreactors Based on Monolith-Supported Ionic Liquid Phase for Enzyme Catalysis in Supercritical Carbon Dioxide. Advanced Synthesis and Catalysis, 2007, 349, 1077-1084.	4.3	128
10	Enzymatic ester synthesis in ionic liquids. Journal of Molecular Catalysis B: Enzymatic, 2003, 21, 9-13.	1.8	114
11	Regulation of bacterial physiology by lysine acetylation of proteins. New Biotechnology, 2014, 31, 586-595.	4.4	107
12	On the nature of ionic liquids and their effects on lipases that catalyze ester synthesis. Journal of Biotechnology, 2009, 140, 234-241.	3.8	104
13	An efficient activity ionic liquid-enzyme system for biodiesel production. Green Chemistry, 2011, 13, 444.	9.0	78
14	Ionic liquids improve citronellyl ester synthesis catalyzed by immobilized Candida antarctica lipase B in solvent-free media. Green Chemistry, 2007, 9, 780.	9.0	73
15	On the importance of the supporting material for activity of immobilized Candida antarctica lipase B in ionic liquid/hexane and ionic liquid/supercritical carbon dioxide biphasic media. Journal of Supercritical Fluids, 2007, 40, 93-100.	3.2	72
16	Dynamic structureâ€"function relationships in enzyme stabilization by ionic liquids. Biocatalysis and Biotransformation, 2005, 23, 169-176.	2.0	70
17	Active membranes coated with immobilized Candida antarctica lipase B: preparation and application for continuous butyl butyrate synthesis in organic media. Journal of Membrane Science, 2002, 201, 55-64.	8.2	69
18	Chemoenzymatic dynamic kinetic resolution of rac-1-phenylethanol in ionic liquids and ionic liquids/supercritical carbon dioxide systems. Biotechnology Letters, 2006, 28, 1559-1565.	2.2	68

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19	A recyclable enzymatic biodiesel production process in ionic liquids. Bioresource Technology, 2011, 102, 6336-6339.	9.6	68
20	Synthesis of glycidyl esters catalyzed by lipases in ionic liquids and supercritical carbon dioxide. Journal of Molecular Catalysis A, 2004, 214, 113-119.	4.8	61
21	Supported Ionic Liquid-Like Phases (SILLPs) for enzymatic processes: Continuous KR and DKR in SILLPâ€“scCO2 systems. Green Chemistry, 2010, 12, 1803.	9.0	60
22	Long term continuous chemoenzymatic dynamic kinetic resolution of rac-1-phenylethanol using ionic liquids and supercritical carbon dioxide. Green Chemistry, 2009, 11, 538.	9.0	59
23	Dynamic Structure/Function Relationships in the alpha-Chymotrypsin Deactivation Process by Heat and pH. FEBS Journal, 1997, 248, 80-85.	0.2	55
24	An acetylatable lysine controls CRP function in E. coli. Molecular Microbiology, 2018, 107, 116-131.	2.5	51
25	Impact of the Expression System on Recombinant Protein Production in Escherichia coli BL21. Frontiers in Microbiology, 2021, 12, 682001.	3.5	42
26	Engineering protein production by rationally choosing a carbon and nitrogen source using E. coli BL21 acetate metabolism knockout strains. Microbial Cell Factories, 2019, 18, 151.	4.0	38
27	The Protein Acetyltransferase PatZ from Escherichia coli Is Regulated by Autoacetylation-induced Oligomerization. Journal of Biological Chemistry, 2015, 290, 23077-23093.	3.4	29
28	Effect of water-miscible aprotic solvents on kyotorphin synthesis catalyzed by immobilized ?-chymotrypsin. Biotechnology Letters, 1995, 17, 603-608.	2.2	26
29	Influence of Water-Miscible Aprotic Solvents on Î±-Chymotrypsin Stability. Biotechnology Progress, 1996, 12, 488-493.	2.6	23
30	Characterization of CobB kinetics and inhibition by nicotinamide. PLoS ONE, 2017, 12, e0189689.	2.5	20
31	Exhaled volatile organic compounds analysis in clinical pediatrics: a systematic review. Pediatric Research, 2021, 89, 1352-1363.	2.3	19
32	Lycopene overproduction and in situ extraction in organic-aqueous culture systems using a metabolically engineered Escherichia coli. AMB Express, 2015, 5, 65.	3.0	17
33	Data preprocessing workflow for exhaled breath analysis by GC/MS using open sources. Scientific Reports, 2020, 10, 22008.	3.3	16
34	Title is missing!. Biotechnology Letters, 2000, 22, 771-775.	2.2	15
35	Ester synthesis from trimethylammonium alcohols in dry organic media catalyzed by immobilizedCandida antarctica lipase B. Biotechnology and Bioengineering, 2003, 82, 352-358.	3.3	15
36	Characterization of acetyl-CoA synthetase kinetics and ATP-binding. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 1040-1049.	2.4	13

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37	Membrane cell retention systems for continuous production of -carnitine using Proteus sp.. Journal of Membrane Science, 2003, 214, 101-111.	8.2	12
38	A Continuous Reactor for the (Chemo)enzymatic Dynamic Kinetic Resolution of Rac-1-Phenylethanol in Ionic Liquid/Supercritical Carbon Dioxide Biphasic Systems. International Journal of Chemical Reactor Engineering, 2007, 5, .	1.1	11
39	Bacterial Sirtuins Overview: An Open Niche to Explore. Frontiers in Microbiology, 2021, 12, 744416.	3.5	10
40	Title is missing!. Biotechnology Letters, 1997, 19, 1005-1009.	2.2	9
41	Enzymatic Catalysis in Ionic Liquids and Supercritical Carbon Dioxide. ACS Symposium Series, 2003, , 239-250.	0.5	9
42	Exhaled volatilome analysis as a useful tool to discriminate asthma with other coexisting atopic diseases in women of childbearing age. Scientific Reports, 2021, 11, 13823.	3.3	9
43	The Nutrition in Early Life and Asthma (NELA) birth cohort study: Rationale, design, and methods. Paediatric and Perinatal Epidemiology, 2022, 36, 310-324.	1.7	9
44	Dynamic Kinetic Resolution of Sec-Alcohols in Ionic Liquids/Supercritical Carbon Dioxide Biphasic Systems. International Journal of Chemical Reactor Engineering, 2009, 7, .	1.1	8
45	Immobilization of Enzymes for Use in Ionic Liquids. Methods in Biotechnology, 2006, , 257-268.	0.2	7
46	Relationship between lung function and exhaled volatile organic compounds in healthy infants. Pediatric Pulmonology, 2022, 57, 1282-1292.	2.0	6
47	Enzyme Catalysis in Ionic Liquids and Supercritical Carbon Dioxide. ACS Symposium Series, 2010, , 181-196.	0.5	3
48	Selective synthesis of panthenyl esters by a kinetically controlled enzymatic process. Biocatalysis and Biotransformation, 2013, 31, 175-180.	2.0	2
49	An ideal spacing is required for the control of Class II CRP-dependent promoters by the status of CRP K100. FEMS Microbiology Letters, 2020, 367, .	1.8	2
50	Immobilization of Enzymes for Use in Supercritical Fluids. Methods in Biotechnology, 2006, , 269-282.	0.2	1
51	Toward Green Processes for Fine Chemicals Synthesis: Biocatalysis in Ionic Liquidâ€"Supercritical Carbon Dioxide Biphasic Systems. ACS Symposium Series, 2007, , 209-223.	0.5	1
52	Enzymatic Membrane Reactor for Resolution of Ketoprofen in Ionic Liquids and Supercritical Carbon Dioxide. ACS Symposium Series, 2010, , 25-34.	0.5	1
53	Engineering of microbial cell factories for production of plant-based natural products. , 2021, , 381-392.		1
54	Influence of Home Indoor Dampness Exposure on Volatile Organic Compounds in Exhaled Breath of Mothers and Their Infants: The NELA Birth Cohort. Applied Sciences (Switzerland), 2022, 12, 6864.	2.5	1

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55	Effect of sorbitol on immobilized Î±-chymotrypsin thermostability in low-water system. Progress in Biotechnology, 1998, 15, 411-416.	0.2	0
56	Study of acetate metabolism using different carbon and nitrogen sources in Escherichia coli. New Biotechnology, 2018, 44, S87-S88.	4.4	0