

Immacolata Serra

List of Publications by Year in descending order

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papers

535
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567281

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21
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21
docs citations

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730
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Lipase-Mediated Preparation of Pharmaceuticals and Their Intermediates. International Journal of Molecular Sciences, 2015, 16, 29682-29716.	4.1	118
2	Flow-based stereoselective reduction of ketones using an immobilized ketoreductase/glucose dehydrogenase mixed bed system. Catalysis Communications, 2017, 93, 29-32.	3.3	44
3	Modulation of the Microenvironment Surrounding the Active Site of Penicillin G Acylase Immobilized on Acrylic Carriers Improves the Enzymatic Synthesis of Cephalosporins. Molecules, 2013, 18, 14349-14365.	3.8	35
4	Developing a Collection of Immobilized Nucleoside Phosphorylases for the Preparation of Nucleoside Analogues: Enzymatic Synthesis of Arabinosyladenine and 2-Deoxyinosine. ChemPlusChem, 2013, 78, 2.8 157-165.		31
5	Flow-Synthesis of Nucleosides Catalyzed by an Immobilized Purine Nucleoside Phosphorylase from <i>Aeromonas hydrophila</i> : Integrated Systems of Reaction Control and Product Purification. Advanced Synthesis and Catalysis, 2015, 357, 2520-2528.	4.3	30
6	Characterization and Study of the Orientation of Immobilized Enzymes by Tryptic Digestion and HPLC-MS: Design of an Efficient Catalyst for the Synthesis of Cephalosporins. Biomacromolecules, 2010, 11, 1623-1632.	5.4	26
7	Stabilization of thymidine phosphorylase from <i>Escherichia coli</i> by immobilization and post immobilization techniques. Enzyme and Microbial Technology, 2011, 49, 52-58.	3.2	26
8	Immobilized <i>Drosophila melanogaster</i> Deoxyribonucleoside Kinase (<i>Dm</i> dNK) as a High Performing Biocatalyst for the Synthesis of Purine Arabinonucleotides. Advanced Synthesis and Catalysis, 2014, 356, 563-570.	4.3	26
9	Nucleoside 2'-Deoxyribosyltransferase from Psychrophilic Bacterium <i>Bacillus psychrosaccharolyticus</i> : Preparation of an Immobilized Biocatalyst for the Enzymatic Synthesis of Therapeutic Nucleosides. Molecules, 2014, 19, 11231-11249.	3.8	24
10	Stereoselective reduction of aromatic ketones by a new ketoreductase from <i>Pichia glucozyma</i> . Applied Microbiology and Biotechnology, 2016, 100, 193-201.	3.6	24
11	Development of an immobilized biocatalyst based on <i>Bacillus psychrosaccharolyticus</i> NDT for the preparative synthesis of trifluridine and decytabine. Catalysis Today, 2016, 259, 197-204.	4.4	24
12	Enzymatic reduction of acetophenone derivatives with a benzil reductase from <i>Pichia glucozyma</i> (KRED1-Pglu): electronic and steric effects on activity and enantioselectivity. Organic and Biomolecular Chemistry, 2016, 14, 3404-3408.	2.8	21
13	Immobilization of Neutral Protease from <i>Bacillus subtilis</i> for Regioselective Hydrolysis of Acetylated Nucleosides: Application to Capecitabine Synthesis. Molecules, 2016, 21, 1621.	3.8	19
14	Stereoselective Enzymatic Reduction of Ethyl Secodione: Preparation of a Key Intermediate for the Total Synthesis of Steroids. European Journal of Organic Chemistry, 2016, 2016, 1260-1263.	2.4	19
15	A Multi-Enzymatic Cascade Reaction for the Synthesis of Vidarabine 5'-Monophosphate. Catalysts, 2020, 10, 60.	3.5	18
16	Sweet-and-salty biocatalysis: Fructooligosaccharides production using <i>Cladosporium cladosporioides</i> in seawater. Process Biochemistry, 2015, 50, 1086-1090.	3.7	15
17	Seawater-Based Biocatalytic Strategy: Stereoselective Reductions of Ketones with Marine Yeasts. ChemCatChem, 2016, 8, 3254-3260.	3.7	14
18	Immobilization of Deoxyadenosine Kinase from <i>Dictyostelium discoideum</i> (<i>Dd</i> dAK) and Its Application in the 5'-Phosphorylation of Arabinosyladenine and Arabinosyl-2-fluoroadenine. ChemistrySelect, 2017, 2, 5403-5408.	1.5	7

#	ARTICLE	IF	CITATIONS
19	Developing a Novel Enzyme Immobilization Process by Activation of Epoxy Carriers with Glucosamine for Pharmaceutical and Food Applications. <i>Catalysts</i> , 2019, 9, 843.	3.5	7
20	Marine Microorganisms for Biocatalysis: Selective Hydrolysis of Nitriles with a Salt-Resistant Strain of <i>Meyerozyma guilliermondii</i> . <i>Marine Biotechnology</i> , 2019, 21, 229-239.	2.4	6
21	Preparation of Sterically Demanding 2,2-Disubstituted-2-Hydroxy Acids by Enzymatic Hydrolysis. <i>Catalysts</i> , 2019, 9, 113.	3.5	1