

Raffaella Gandolfi

List of Publications by Year in descending order

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56
papers

1,252
citations

304743

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all docs

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docs citations

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times ranked

1225
citing authors

#	ARTICLE	IF	CITATIONS
1	An easy and efficient method for the production of carboxylic acids and aldehydes by microbial oxidation of primary alcohols. <i>Tetrahedron Letters</i> , 2001, 42, 513-514.	1.4	63
2	Biotransformations of cinnamic and ferulic acid with actinomycetes. <i>Enzyme and Microbial Technology</i> , 2004, 34, 3-9.	3.2	59
3	Steroid hydroxylations with <i>Botryodiplodia malorum</i> and <i>Colletotrichum lini</i> . <i>Steroids</i> , 2006, 71, 429-434.	1.8	48
4	Acetic acid bacteria as enantioselective biocatalysts. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2002, 17, 235-240.	1.8	47
5	Biotransformations in two-liquid-phase systems. <i>Enzyme and Microbial Technology</i> , 1999, 25, 729-735.	3.2	46
6	Microbial bioreductions of β - and γ -ketoacids and their esters. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1039-1046.	1.8	43
7	Chemoselective oxidation of primary alcohols to aldehydes with <i>Gluconobacter oxydans</i> . <i>Tetrahedron Letters</i> , 2002, 43, 6059-6061.	1.4	42
8	Efficient and selective microbial esterification with dry mycelium of <i>Rhizopus oryzae</i> . <i>Journal of Biotechnology</i> , 2001, 92, 21-26.	3.8	40
9	Enantioselective oxidation of prochiral 2-methyl-1,3-propanediol by <i>Acetobacter pasteurianus</i> . <i>Tetrahedron: Asymmetry</i> , 2003, 14, 2041-2043.	1.8	40
10	Mycelium-bound carboxylesterase from <i>Aspergillus oryzae</i> : an efficient catalyst for acetylation in organic solvent. <i>Enzyme and Microbial Technology</i> , 2000, 27, 626-630.	3.2	37
11	Production of fructooligosaccharides by mycelium-bound transfructosylation activity present in <i>Cladosporium cladosporioides</i> and <i>Penicillium sizovae</i> . <i>Process Biochemistry</i> , 2014, 49, 2174-2180.	3.7	36
12	Lyophilised yeasts: easy-to-handle biocatalysts for stereoselective reduction of ketones. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 3515-3520.	1.8	34
13	Enantioselective reduction and deracemisation using the non-conventional yeast <i>Pichia glucozyma</i> in water/organic solvent biphasic systems: preparation of (S)-1,2-diaryl-2-hydroxyethanones (benzoins). <i>Tetrahedron</i> , 2012, 68, 523-528.	1.9	34
14	Self-assembly of an amphipathic β -tripeptide into cationic spherical particles for intracellular delivery. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6773-6779.	2.8	34
15	Reactivity and stability of mycelium-bound carboxylesterase from <i>Aspergillus oryzae</i> . <i>Biotechnology and Bioengineering</i> , 2002, 77, 232-237.	3.3	32
16	Simplified kinetics and thermodynamics of geraniol acetylation by lyophilized cells of <i>Aspergillus oryzae</i> . <i>Enzyme and Microbial Technology</i> , 2002, 30, 216-223.	3.2	31
17	Enzymatic hydrolysis of capsaicins for the production of vanillylamine using ECB deacylase from <i>Actinoplanes utahensis</i> . <i>Food Chemistry</i> , 2011, 124, 1096-1098.	8.2	30
18	8-Amino-5,6,7,8-tetrahydroquinolines as ligands in iridium(III) catalysts for the reduction of aryl ketones by asymmetric transfer hydrogenation (ATH). <i>Tetrahedron: Asymmetry</i> , 2014, 25, 1031-1037.	1.8	28

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19	Cell-bound and extracellular carboxylesterases from <i>Streptomyces</i> : hydrolytic and synthetic activities. <i>Journal of Applied Microbiology</i> , 2000, 89, 870-875.	3.1	26
20	Simple 1,3-diamines and their application as ligands in ruthenium(<i>II</i>) catalysts for asymmetric transfer hydrogenation of aryl ketones. <i>New Journal of Chemistry</i> , 2015, 39, 3792-3800.	2.8	25
21	Evaluation of Chemical Diversity of Biotinylated Chiral 1,3-Diamines as a Catalytic Moiety in Artificial Imine Reductase. <i>ChemCatChem</i> , 2016, 8, 1665-1670.	3.7	25
22	Enantioselective oxidation of (<i>R</i>)-2-phenyl-1-propanol to (<i>S</i>)-2-phenyl-1-propionic acid with <i>Acetobacter acetii</i> : influence of medium engineering and immobilization. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2345-2349.	1.8	24
23	Production of 2-phenylacetic acid and phenylacetaldehyde by oxidation of 2-phenylethanol with free immobilized cells of <i>Acetobacter acetii</i> . <i>Process Biochemistry</i> , 2004, 39, 749-753.	3.7	23
24	Enantioselective hydrolysis of (<i>RS</i>)-isopropylidene-glycerol acetate with <i>Kluyveromyces marxianus</i> . <i>Tetrahedron: Asymmetry</i> , 2004, 15, 1945-1947.	1.8	23
25	Cytotoxic effect of (1-methyl-1 <i>H</i> -imidazol-2-yl)-methanamine and its derivatives in Pt II complexes on human carcinoma cell lines: A comparative study with cisplatin. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 2379-2386.	3.0	23
26	Microbial catalyzed esterification of primary and secondary alcohols in organic solvent. <i>Biotechnology Letters</i> , 1996, 10, 103-108.	0.5	22
27	Preparation of enantiomerically enriched aromatic <i>β</i> -hydroxynitriles and halohydrins by ketone reduction with recombinant ketoreductase KRED1-Pglu. <i>Tetrahedron</i> , 2016, 72, 3974-3979.	1.9	22
28	New Insights into Glycopeptide Antibiotic Binding to Cell Wall Precursors using SPR and NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2014, 20, 7363-7372.	3.3	21
29	Ctr-1 Mets7 motif inspiring new peptide ligands for Cu(<i>I</i>)-catalyzed asymmetric Henry reactions under green conditions. <i>RSC Advances</i> , 2016, 6, 71529-71533.	3.6	21
30	3-(Hydroxy(phenyl)methyl)azetidin-2-ones obtained via catalytic asymmetric hydrogenation or by biotransformation. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 597-602.	1.8	20
31	Biotransformation of aromatic ketones and ketoesters with the non-conventional yeast <i>Pichia glucozyma</i> . <i>Tetrahedron Letters</i> , 2014, 55, 7051-7053.	1.4	19
32	Esterification of phenylacetic and 2-phenylpropionic acids by mycelium-bound carboxylesterases. <i>Enzyme and Microbial Technology</i> , 2005, 36, 432-438.	3.2	18
33	Asymmetric reductions of ethyl 2-(benzamidomethyl)-3-oxobutanoate by yeasts. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 411-414.	1.8	18
34	Chemo- and biocatalytic strategies to obtain phenylisoserine, a lateral chain of Taxol by asymmetric reduction. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 2110-2116.	1.8	18
35	Resolution of (<i>RS</i>)-2-phenylpropanoic acid by enantioselective esterification with dry microbial cells in organic solvent. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 501-504.	1.8	17
36	Direct conversion of polyconjugated compounds into their corresponding carboxylic acids by <i>Acetobacter acetii</i> . <i>Tetrahedron</i> , 2008, 64, 8638-8641.	1.9	13

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37	Newly isolated <i>Streptomyces</i> spp. as enantioselective biocatalysts: hydrolysis of 1,2-O-isopropylidene glycerol racemic esters. <i>Journal of Applied Microbiology</i> , 2005, 99, 960-967.	3.1	12
38	Chemoenzymatic resolution of epimeric cis 3-carboxycyclopentylglycine derivatives. <i>Tetrahedron</i> , 2006, 62, 3502-3508.	1.9	12
39	Solid state fermentation for the production of lipolytic fungal enzymes. <i>Annals of Microbiology</i> , 2007, 57, 561-564.	2.6	12
40	Efficient methodology to produce a duloxetine precursor using whole cells of <i>Rhodotorula rubra</i> . <i>Tetrahedron: Asymmetry</i> , 2016, 27, 389-396.	1.8	12
41	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2002, 18, 409-416.	3.6	11
42	Synthesis of ethyl phenylacetate by lyophilized mycelium of <i>Aspergillus oryzae</i> . <i>Applied Microbiology and Biotechnology</i> , 2005, 67, 637-640.	3.6	11
43	Cascade Reaction by Chemo- and Biocatalytic Approaches to Obtain Chiral Hydroxy Ketones and <i>anti</i> -1,3-Diols. <i>ChemistryOpen</i> , 2018, 7, 393-400.	1.9	9
44	A new chemoenzymatic synthesis of d-cloprostenol. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3279-3282.	1.8	8
45	Continuous-flow stereoselective reduction of prochiral ketones in a whole cell bioreactor with natural deep eutectic solvents. <i>Green Chemistry</i> , 2022, 24, 950-956.	9.0	8
46	Biotransformations of Lipoglycopeptides to Obtain Novel Antibiotics. <i>Journal of Antibiotics</i> , 2007, 60, 265-271.	2.0	7
47	Enzymatic resolution of (\pm)-5-phenyl-4,5-dihydroisoxazole-3-carboxylic acid ethyl ester and its transformations into polyfunctionalised amino acids and dipeptides. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1940-1947.	1.8	6
48	Synthesis and Biological Evaluation of New Natural Phenolic (<i>2,4,6</i> -Octa- <i>2,4,6</i> -Trienoic Esters. <i>Chemistry and Biodiversity</i> , 2017, 14, e1700294.	2.1	6
49	Ruthenium(II) complexes bearing (NNN) ligand: catalytic evaluation of different solvent-mediated coordination modes. <i>Canadian Journal of Chemistry</i> , 2018, 96, 40-43.	1.1	6
50	Vancomycin-Iridium (III) Interaction: An Unexplored Route for Enantioselective Imine Reduction. <i>Molecules</i> , 2019, 24, 2771.	3.8	6
51	A new efficient synthesis of enantiopure diastereomeric β^2 -aminocyclopentylglycines. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 584-592.	1.8	5
52	Chemoenzymatic deacylation of ramoplanin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5283-5287.	2.2	5
53	Alternative Strategy to Obtain Artificial Imine Reductase by Exploiting Vancomycin/D-Ala-D-Ala Interactions with an Iridium Metal Complex. <i>Inorganic Chemistry</i> , 2021, 60, 2976-2982.	4.0	5
54	Hybrid Catalysts from Copper Biosorbing Bacterial Strains and Their Recycling for Catalytic Application in the Asymmetric Addition Reaction of B2(pin) ₂ on $\hat{\pm}$, $\hat{1}^2$ -Unsaturated Chalcones. <i>Catalysts</i> , 2022, 12, 433.	3.5	5

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55	A new bacterial mannosidase for the selective modification of ramoplanin and its derivatives. <i>Enzyme and Microbial Technology</i> , 2007, 41, 806-811.	3.2	4
56	Direct Esterification with Dry Mycelia of Molds: A (Stereo)selective, Mild and Efficient Method for Obtaining Structurally Diverse Esters. , 0, , 79-92.		0