

Raffaella Gandolfi

List of Publications by Year in descending order

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citations

304743

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docs citations

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1225
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#	ARTICLE	IF	CITATIONS
1	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
2	Hybrid Catalysts from Copper Biosorbing Bacterial Strains and Their Recycling for Catalytic Application in the Asymmetric Addition Reaction of B2(pin)2 on $\hat{1}\pm, \hat{1}^2$ -Unsaturated Chalcones. <i>Catalysts</i> , 2022, 12, 433.	3.5	5
3	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
4	Vancomycin-Iridium (III) Interaction: An Unexplored Route for Enantioselective Imine Reduction. <i>Molecules</i> , 2019, 24, 2771.	3.8	6
5	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
6	Cascade Reaction by Chemo- and Biocatalytic Approaches to Obtain Chiral Hydroxy Ketones and $\hat{1}, \hat{3}$ -Diols. <i>ChemistryOpen</i> , 2018, 7, 393-400.	1.9	9
7	Synthesis and Biological Evaluation of New Natural Phenolic ($\hat{2}, \hat{4}, \hat{6}$ -Octa- $\hat{2}, 4, 6$ -trienoic Esters. <i>Chemistry and Biodiversity</i> , 2017, 14, e1700294.	2.1	6
8	Self-assembly of an amphipathic $\hat{1}\pm, \hat{1}^2$ -tripeptide into cationic spherical particles for intracellular delivery. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6773-6779.	2.8	34
9	Evaluation of Chemical Diversity of Biotinylated Chiral $\hat{1}, \hat{3}$ -Diamines as a Catalytic Moiety in Artificial Imine Reductase. <i>ChemCatChem</i> , 2016, 8, 1665-1670.	3.7	25
10	Preparation of enantiomerically enriched aromatic $\hat{1}^2$ -hydroxynitriles and halohydrins by ketone reduction with recombinant ketoreductase KRED1-Pglu. <i>Tetrahedron</i> , 2016, 72, 3974-3979.	1.9	22
11	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
12	Ctr-1 Mets7 motif inspiring new peptide ligands for Cu($\hat{1}$)-catalyzed asymmetric Henry reactions under green conditions. <i>RSC Advances</i> , 2016, 6, 71529-71533.	3.6	21
13	Simple $\hat{1}, \hat{3}$ -diamines and their application as ligands in ruthenium($\hat{1}$) catalysts for asymmetric transfer hydrogenation of aryl ketones. <i>New Journal of Chemistry</i> , 2015, 39, 3792-3800.	2.8	25
14	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
15	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
16	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
17	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
18	Cytotoxic effect of (1-methyl-1 H -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

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19	Chemoenzymatic deacylation of ramoplanin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5283-5287.	2.2	5
20	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
21	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
22	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
23	3-(Hydroxy(phenyl)methyl)azetid-2-ones obtained via catalytic asymmetric hydrogenation or by biotransformation. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 597-602.	1.8	20
24	Enzymatic resolution of (±)-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
25	Asymmetric reductions of ethyl 2-(benzamidomethyl)-3-oxobutanoate by yeasts. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 411-414.	1.8	18
26	Direct conversion of polyconjugated compounds into their corresponding carboxylic acids by <i>Acetobacter aceti</i> . <i>Tetrahedron</i> , 2008, 64, 8638-8641.	1.9	13
27	A new efficient synthesis of enantiopure diastereomeric 3-aminocyclopentylglycines. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 584-592.	1.8	5
28	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
29	Biotransformations of Lipoglycopeptides to Obtain Novel Antibiotics. <i>Journal of Antibiotics</i> , 2007, 60, 265-271.	2.0	7
30	Solid state fermentation for the production of lipolytic fungal enzymes. <i>Annals of Microbiology</i> , 2007, 57, 561-564.	2.6	12
31	Steroid hydroxylations with <i>Botryodiplodia malorum</i> and <i>Colletotrichum lini</i> . <i>Steroids</i> , 2006, 71, 429-434.	1.8	48
32	Chemoenzymatic resolution of epimeric cis 3-carboxycyclopentylglycine derivatives. <i>Tetrahedron</i> , 2006, 62, 3502-3508.	1.9	12
33	A new chemoenzymatic synthesis of d-cloprosteno. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3279-3282.	1.8	8
34	Esterification of phenylacetic and 2-phenylpropionic acids by mycelium-bound carboxylesterases. <i>Enzyme and Microbial Technology</i> , 2005, 36, 432-438.	3.2	18
35	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
36	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

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37	Production of 2-phenylacetic acid and phenylacetaldehyde by oxidation of 2-phenylethanol with free immobilized cells of <i>Acetobacter aceti</i> . <i>Process Biochemistry</i> , 2004, 39, 749-753.	3.7	23
38	Biotransformations of cinnamic and ferulic acid with actinomycetes. <i>Enzyme and Microbial Technology</i> , 2004, 34, 3-9.	3.2	59
39	Enantioselective hydrolysis of (RS)-isopropylidene-glycerol acetate with <i>Kluyveromyces marxianus</i> . <i>Tetrahedron: Asymmetry</i> , 2004, 15, 1945-1947.	1.8	23
40	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
41	Acetic acid bacteria as enantioselective biocatalysts. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2002, 17, 235-240.	1.8	47
42	Reactivity and stability of mycelium-bound carboxylesterase from <i>Aspergillus oryzae</i> . <i>Biotechnology and Bioengineering</i> , 2002, 77, 232-237.	3.3	32
43	Enantioselective oxidation of (R)-2-phenyl-1-propanol to (S)-2-phenyl-1-propionic acid with <i>Acetobacter aceti</i> : influence of medium engineering and immobilization. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2345-2349.	1.8	24
44	Chemoselective oxidation of primary alcohols to aldehydes with <i>Gluconobacter oxydans</i> . <i>Tetrahedron Letters</i> , 2002, 43, 6059-6061.	1.4	42
45	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
46	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2002, 18, 409-416.	3.6	11
47	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
48	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
49	Resolution of (RS)-2-phenylpropanoic acid by enantioselective esterification with dry microbial cells in organic solvent. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 501-504.	1.8	17
50	Microbial bioreductions of β - and γ -ketoacids and their esters. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1039-1046.	1.8	43
51	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
52	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
53	Biotransformations in two-liquid-phase systems. <i>Enzyme and Microbial Technology</i> , 1999, 25, 729-735.	3.2	46
54	Lyophilised yeasts: easy-to-handle biocatalysts for stereoselective reduction of ketones. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 3515-3520.	1.8	34

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55	Microbial catalyzed esterification of primary and secondary alcohols in organic solvent. <i>Biotechnology Letters</i> , 1996, 10, 103-108.	0.5	22
56	Direct Esterification with Dry Mycelia of Molds: A (Stereo)selective, Mild and Efficient Method for Obtaining Structurally Diverse Esters. , 0, , 79-92.		0