

Gheorghe Doru G Roiban

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

1,313
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394421

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53
docs citations

53
times ranked

1459
citing authors

#	ARTICLE	IF	CITATIONS
1	Biocatalysis: A Pharma Perspective. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2421-2432.	4.3	168
2	Expanding the toolbox of organic chemists: directed evolution of P450 monooxygenases as catalysts in regio- and stereoselective oxidative hydroxylation. <i>Chemical Communications</i> , 2015, 51, 2208-2224.	4.1	135
3	Chiral synthesis of LSD1 inhibitor GSK2879552 enabled by directed evolution of an imine reductase. <i>Nature Catalysis</i> , 2019, 2, 909-915.	34.4	135
4	Achieving Regio- and Enantioselectivity of P450-Catalyzed Oxidative CH Activation of Small Functionalized Molecules by Structure-Guided Directed Evolution. <i>ChemBioChem</i> , 2012, 13, 1465-1473.	2.6	100
5	Induced Axial Chirality in Biocatalytic Asymmetric Ketone Reduction. <i>Journal of the American Chemical Society</i> , 2013, 135, 1665-1668.	13.7	75
6	Efficient Biocatalytic Reductive Aminations by Extending the Imine Reductase Toolbox. <i>ChemCatChem</i> , 2017, 9, 4475-4479.	3.7	75
7	Cytochrome P450 Catalyzed Oxidative Hydroxylation of Achiral Organic Compounds with Simultaneous Creation of Two Chirality Centers in a Single C-H Activation Step. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8659-8663.	13.8	63
8	Regioselective Orthopalladation of (Z)-2-Aryl-4-Arylidene-5(4H)-Oxazolones: Scope, Kinetic-Mechanistic, and Density Functional Theory Studies of the C-H Bond Activation. <i>Inorganic Chemistry</i> , 2011, 50, 8132-8143.	4.0	41
9	CH-activating oxidative hydroxylation of 1-tetralones and related compounds with high regio- and stereoselectivity. <i>Chemical Communications</i> , 2014, 50, 14310-14313.	4.1	39
10	Biocatalytic Route to Chiral Acyloins: P450-Catalyzed Regio- and Enantioselective α -Hydroxylation of Ketones. <i>Journal of Organic Chemistry</i> , 2015, 80, 950-956.	3.2	37
11	Biocatalytic Synthesis of Chiral α -Functionalized Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13821-13824.	13.8	34
12	Glycine Fluoromethylketones as SENP-Specific Activity Based Probes. <i>ChemBioChem</i> , 2012, 13, 80-84.	2.6	32
13	Unexpected [2 + 2] C-C bond coupling due to photocycloaddition on orthopalladated (Z)-2-aryl-4-arylidene-5(4H)-oxazolones. <i>Chemical Communications</i> , 2009, , 4681.	4.1	31
14	A New Type of Stereoselectivity in Baeyer-Villiger Reactions: Access to E- and Z-Olefins. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 99-106.	4.3	30
15	N-Alkyl- α -amino acids in Nature and their biocatalytic preparation. <i>Journal of Biotechnology</i> , 2019, 293, 56-65.	3.8	28
16	Enzyme Promiscuity: Using a P450 Enzyme as a Carbene Transfer Catalyst. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5439-5440.	13.8	26
17	Protein-Inorganic Array Construction: Design and Synthesis of the Building Blocks. <i>Chemistry - A European Journal</i> , 2010, 16, 2170-2180.	3.3	23
18	Palladium-Catalyzed Amination of Aryl- and Heteroaryl Halides Using <i>tert</i> -Butyl Tetraisopropylphosphorodiamidite as an Easily Accessible and Air-Stable Ligand. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2070-2076.	2.4	21

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19	Identification and Implementation of Biocatalytic Transformations in Route Discovery: Synthesis of Chiral 1,3-Substituted Cyclohexanone Building Blocks. <i>Organic Process Research and Development</i> , 2018, 22, 871-879.	2.7	21
20	The Chelation-controlled Mukaiyama Aldol Reaction of Chiral $\hat{1}$ - and $\hat{2}$ -Alkoxy Aldehydes. <i>Chemistry Letters</i> , 2014, 43, 2-10.	1.3	20
21	Stereo- and regioselectivity in the P450-catalyzed oxidative tandem difunctionalization of 1-methylcyclohexene. <i>Tetrahedron</i> , 2013, 69, 5306-5311.	1.9	17
22	Ortho-Palladation of (Z)-2-Aryl-4-Arylidene-5(4H)-Oxazolones. Structure and Functionalization. <i>Organometallics</i> , 2010, 29, 1428-1435.	2.3	16
23	Synthesis and Structural Analysis of Some Podands with C ₃ Symmetry. <i>Synthetic Communications</i> , 2012, 42, 3579-3588.	2.1	14
24	Development of an Enzymatic Process for the Production of (<i>R</i>)-2-Butyl-2-ethyloxirane. <i>Organic Process Research and Development</i> , 2017, 21, 1302-1310.	2.7	14
25	Biocatalytic Synthesis of Chiral \hat{N} -Functionalized Amino Acids. <i>Angewandte Chemie</i> , 2018, 130, 14017-14020.	2.0	14
26	Metal Ion Mediated Self-Assembly Directed Formation of Protein Arrays. <i>Biomacromolecules</i> , 2011, 12, 3400-3405.	5.4	13
27	P450-catalyzed regio- and stereoselective oxidative hydroxylation of \hat{A} disubstituted cyclohexanes: creation of three centers of chirality in a single CH-activation event. <i>Tetrahedron</i> , 2015, 71, 470-475.	1.9	11
28	Expanding the Substrate Scope of Nitrating Cytochrome P450 TxtE by Active Site Engineering of a Reductase Fusion. <i>ChemBioChem</i> , 2021, 22, 2262-2265.	2.6	11
29	Unsaturated 4,4-bis-[5(4H)-oxazolones]: Synthesis and evaluation of their ortho-palladation through C-H bond activation. <i>Inorganica Chimica Acta</i> , 2011, 368, 247-251.	2.4	10
30	A general solid phase method for the synthesis of sequence independent peptidyl-fluoromethyl ketones. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4516.	2.8	10
31	Reactivity of Unsaturated 5(4 <i>H</i>)-Oxazolones with Hg(II) Acetate: Synthesis of Methyl <i>N</i> -Benzoylamino-3-arylacrylates. <i>Synthetic Communications</i> , 2012, 42, 195-203.	2.1	6
32	Di- <i>tert</i> -butyl <i>N,N</i> -diethylphosphoramidite as an Air Stable Ligand for Suzuki-Miyaura and Buchwald-Hartwig Reactions. <i>ChemistrySelect</i> , 2017, 2, 1392-1397.	1.5	6
33	Establishing the NHBoc Functionality as ortho-Metallating Group for Furan. <i>Synlett</i> , 2006, 2006, 0789-0791.	1.8	5
34	Synthesis of potential fungicides based on N-(3-furanyl)pyrrolecarboxamides and N-(3-furanyl)pyrazolecarboxamides. <i>Monatshfte für Chemie</i> , 2009, 140, 1349-1359.	1.8	5
35	Green Chemistry Articles of Interest to the Pharmaceutical Industry. <i>Organic Process Research and Development</i> , 2020, 24, 334-346.	2.7	5
36	Green Chemistry Articles of Interest to the Pharmaceutical Industry. <i>Organic Process Research and Development</i> , 2019, 23, 1118-1133.	2.7	4

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37	Green Chemistry Articles of Interest to the Pharmaceutical Industry. Organic Process Research and Development, 2018, 22, 667-680.	2.7	3
38	Green Chemistry Articles of Interest to the Pharmaceutical Industry. Organic Process Research and Development, 2016, 20, 707-717.	2.7	2
39	Green Chemistry Articles of Interest to The Pharmaceutical Industry. Organic Process Research and Development, 2017, 21, 1464-1477.	2.7	1
40	Green Chemistry Articles of Interest to the Pharmaceutical Industry. Organic Process Research and Development, 2021, 25, 703-712.	2.7	1
41	Synthesis and photophysical properties of some 6,6- C^3 -functionalized terpyridine derivatives. Open Chemistry, 2011, 9, 218-223.	1.9	0
42	Green Chemistry Articles of Interest to the Pharmaceutical Industry. Organic Process Research and Development, 2019, 23, 2287-2301.	2.7	0