

Rosa Maria Lopez Alvarez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5891573/publications.pdf>

Version: 2024-02-01

39
papers

2,196
citations

279701

23
h-index

330025

37
g-index

58
all docs

58
docs citations

58
times ranked

1848
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric organocatalysis by chiral Brønsted bases: implications and applications. <i>Chemical Society Reviews</i> , 2009, 38, 632-653.	18.7	378
2	Catalytic Enantioselective Aza-Henry Reaction with Broad Substrate Scope. <i>Journal of the American Chemical Society</i> , 2005, 127, 17622-17623.	6.6	180
3	Cyanoalkylation: Alkyl nitriles in Catalytic C–C Bond Forming Reactions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13170-13184.	7.2	165
4	Asymmetric Aza-Henry Reaction Under Phase Transfer Catalysis: An Experimental and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2008, 130, 7955-7966.	6.6	151
5	Phosphazene bases for the preparation of biaryl thioethers from aryl iodides and arenethiols. <i>Tetrahedron Letters</i> , 2000, 41, 1283-1286.	0.7	146
6	Bu ₃ SnH-Catalyzed Barton–McCombie Deoxygenation of Alcohols. <i>Journal of the American Chemical Society</i> , 1997, 119, 6949-6950.	6.6	127
7	Enantioselective Aza-Henry Reactions Assisted by ZnII and N-Methylephedrine. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 117-120.	7.2	106
8	Enzymic β -Galactosidation of Modified Monosaccharides: Study of the Enzyme Selectivity for the Acceptor and Its Application to the Synthesis of Disaccharides. <i>Journal of Organic Chemistry</i> , 1994, 59, 737-745.	1.7	91
9	Phosphazene P4-But base for the Ullmann biaryl ether synthesis. <i>Chemical Communications</i> , 1998, , 2091-2092.	2.2	74
10	Lewis Acid Catalyzed Asymmetric Cycloadditions of Nitrones: α -Hydroxy Enones as Efficient Reaction Partners. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6187-6190.	7.2	73
11	Catalytic Enantioselective Synthesis of Tertiary Thiols From α -Thiazolones and Nitroolefins: Bifunctional Ureidopeptide-Based Brønsted Base Catalysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11846-11851.	7.2	63
12	Base-Catalyzed Asymmetric α -Functionalization of 2-(Cyanomethyl)azaarene N-Oxides Leading to Quaternary Stereocenters. <i>Journal of the American Chemical Society</i> , 2016, 138, 3282-3285.	6.6	52
13	A mild, convenient, and inexpensive method for converting imines into amines: Tin-catalyzed reduction with polymethylhydrosiloxane (PMHS). <i>Tetrahedron</i> , 1997, 53, 16349-16354.	1.0	47
14	Catalytic Enantioselective Mannich-Type Reaction with α -Phenyl Sulfonyl Acetonitrile. <i>Journal of Organic Chemistry</i> , 2010, 75, 3920-3922.	1.7	44
15	Construction of C–S Bonds with a Quaternary Stereocenter through a Formal Michael Reaction: Asymmetric Synthesis of Tertiary Thiols. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3307-3310.	7.2	43
16	Ureidopeptide-Based Brønsted Bases: Design, Synthesis and Application to the Catalytic Enantioselective Synthesis of α -Amino Nitriles from (Arylsulfonyl)acetonitriles. <i>Chemistry - A European Journal</i> , 2014, 20, 6526-6531.	1.7	43
17	Regioselective Acetylations of Alkyl β -D-Xylopyranosides by Use of Lipase PS in Organic Solvents and Application to the Chemoenzymic Synthesis of Oligosaccharides. <i>Journal of Organic Chemistry</i> , 1994, 59, 7027-7032.	1.7	41
18	Planar Chirality: A Mine for Catalysis and Structure Discovery. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	40

#	ARTICLE	IF	CITATIONS
19	Synthesis and diels alder reactions of (+)-(S)-1-t-Butylsulfonyl-1-p-tolylsulfinyethene, a new masked chiral ketene equivalent. <i>Tetrahedron: Asymmetry</i> , 1991, 2, 93-96.	1.8	39
20	Cyanoalkylierung: Alkylnitrile in katalytischen C-C-Kupplungen. <i>Angewandte Chemie</i> , 2015, 127, 13366-13380.	1.6	37
21	Intramolecular Sulfur Transfer in N-Enoyl Oxazolidine-2-thiones Promoted by Brønsted Acids. Practical Asymmetric Synthesis of β -Mercapto Carboxylic Acids and Mechanistic Insights. <i>Journal of the American Chemical Society</i> , 2006, 128, 15236-15247.	6.6	28
22	Catalytic Asymmetric Synthesis of β -Substituted Vinyl Sulfones. <i>Chemistry - A European Journal</i> , 2011, 17, 2450-2457.	1.7	26
23	Controlling yield and regioselectivity in the enzymatic synthesis of β -D-galactopyranosyl- β -D-xylopyranosides. <i>Tetrahedron Letters</i> , 1992, 33, 5449-5452.	0.7	21
24	Bifunctional Brønsted Base Catalyzes Direct Asymmetric Aldol Reaction of β -Keto Amides. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3364-3368.	7.2	20
25	Enzymatic Transesterification of Alkyl 2,3,4-Tri-O-acyl- β -D-xylopyranosides. <i>Journal of Carbohydrate Chemistry</i> , 1993, 12, 165-171.	0.4	19
26	A direct enzymatic synthesis of β -D-galactopyranosyl-D-xylopyranosides and their use to evaluate rat intestinal lactase activity in vivo. <i>Carbohydrate Research</i> , 1996, 290, 209-216.	1.1	18
27	Strategy for Stereoselective Metal-free β -Functionalization of 2-Azaaryl Acetates with <i>N</i> -Boc Imines. <i>Chemistry - A European Journal</i> , 2017, 23, 13332-13336.	1.7	18
28	Enzymatic β -galactosidation of β -xylopyranosides. <i>Biotechnology Letters</i> , 1991, 13, 705-710.	1.1	10
29	Conformational studies on β -galactopyranosyl-(1 \rightarrow 3) and (1 \rightarrow 4)-xylopyranosides by NMR, molecular mechanics, molecular dynamics, and semiempirical. <i>Tetrahedron</i> , 1994, 50, 6417-6432.	1.0	10
30	Enantioselective β -Vinylolation of β , β -Unsaturated Aldehydes Using a β -Nitroethyl Sulfone as Vinyl Anion Equivalent. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2774-2779.	1.2	10
31	Bifunctional Brønsted Base Catalyzes Direct Asymmetric Aldol Reaction of β -Keto Amides. <i>Angewandte Chemie</i> , 2016, 128, 3425-3429.	1.6	10
32	N, N-Diacylaminals as Emerging Tools in Synthesis: From Peptidomimetics to Asymmetric Catalysis. <i>Chemistry - A European Journal</i> , 2021, 27, 20-29.	1.7	9
33	Syntheses of pharmaceutical oligosaccharides catalyzed by immobilized-stabilized derivatives of different β -galactosidases. <i>Journal of Molecular Catalysis</i> , 1993, 84, 373-379.	1.2	8
34	Planar Chirality: A mine for catalysis and structure discovery. <i>Angewandte Chemie</i> , 0, , .	1.6	6
35	Conformational studies of a trisaccharide epitope in solution by using NMR spectroscopy and molecular mechanics and dynamics calculations with the MM3* program. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995, , 713-721.	0.9	4
36	Bifunctional Brønsted Base Catalyzed Mannich Reaction of β -Alkoxy β -Keto Amides: Stereocontrolled Entry to Functionalized Amino Diols. <i>Chemistry - A European Journal</i> , 2018, 24, 11554-11558.	1.7	3

#	ARTICLE	IF	CITATIONS
37	Construction of Câ€”S Bonds with a Quaternary Stereocenter Through a Formal Michael Reaction: Asymmetric Synthesis of Tertiary Thiols.. ChemInform, 2004, 35, no.	0.1	0
38	Lewis Acid Catalyzed Asymmetric Cycloadditions of Nitrones: Î±-Hydroxy Enones as Efficient Reaction Partners.. ChemInform, 2006, 37, no.	0.1	0
39	Asymmetric Synthesis of Tertiary Thiols from 5H-Thiazol-4-ones and Nitroolefins. Synfacts, 2013, 9, 1346-1346.	0.0	0