

Rosa Maria Lopez Alvarez

List of Publications by Year in descending order

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39
papers

2,196
citations

279798

23
h-index

330143

37
g-index

58
all docs

58
docs citations

58
times ranked

1848
citing authors

#	ARTICLE	IF	CITATIONS
1	Planar Chirality: A Mine for Catalysis and Structure Discovery. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	40
2	N, N -Diacylaminals as Emerging Tools in Synthesis: From Peptidomimetics to Asymmetric Catalysis. <i>Chemistry - A European Journal</i> , 2021, 27, 20-29.	3.3	9
3	Bifunctional Brønsted Base Catalyzed Mannich Reaction of α -Alkoxy β -Keto Amides: Stereocontrolled Entry to Functionalized Amino Diols. <i>Chemistry - A European Journal</i> , 2018, 24, 11554-11558.	3.3	3
4	Strategy for Stereoselective Metal-free α -Functionalization of α -Azaaryl Acetates with <i>N</i> -Boc Imines. <i>Chemistry - A European Journal</i> , 2017, 23, 13332-13336.	3.3	18
5	Bifunctional Brønsted Base Catalyzes Direct Asymmetric Aldol Reaction of β -Keto Amides. <i>Angewandte Chemie</i> , 2016, 128, 3425-3429.	2.0	10
6	Bifunctional Brønsted Base Catalyzes Direct Asymmetric Aldol Reaction of β -Keto Amides. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3364-3368.	13.8	20
7	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.	13.7	52
8	Cyanoalkylation: Alkyl nitriles in Catalytic C-C Bond Forming Reactions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13170-13184.	13.8	165
9	Cyanoalkylierung: Alkyl nitrile in katalytischen C-C Kupplungen. <i>Angewandte Chemie</i> , 2015, 127, 13366-13380.	2.0	37
10	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.	3.3	43
11	Catalytic Enantioselective Synthesis of Tertiary Thiols From 5-H-Thiazol-4-ones and Nitroolefins: Bifunctional Ureidopeptide-Based Brønsted Base Catalysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11846-11851.	13.8	63
12	Asymmetric Synthesis of Tertiary Thiols from 5H-Thiazol-4-ones and Nitroolefins. <i>Synfacts</i> , 2013, 9, 1346-1346.	0.0	0
13	Enantioselective α -Vinylolation of α,β -Unsaturated Aldehydes Using a Nitroethyl Sulfone as Vinyl Anion Equivalent. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2774-2779.	2.4	10
14	Catalytic Asymmetric Synthesis of β -Substituted Vinyl Sulfones. <i>Chemistry - A European Journal</i> , 2011, 17, 2450-2457.	3.3	26
15	Catalytic Enantioselective Mannich-Type Reaction with β -Phenyl Sulfonyl Acetonitrile. <i>Journal of Organic Chemistry</i> , 2010, 75, 3920-3922.	3.2	44
16	Asymmetric organocatalysis by chiral Brønsted bases: implications and applications. <i>Chemical Society Reviews</i> , 2009, 38, 632-653.	38.1	378
17	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.	13.7	151
18	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.	13.7	28

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19	Lewis Acid Catalyzed Asymmetric Cycloadditions of Nitrones: β -Hydroxy Enones as Efficient Reaction Partners.. ChemInform, 2006, 37, no.	0.0	0
20	Enantioselective Aza-Henry Reactions Assisted by ZnII and N-Methylephedrine. Angewandte Chemie - International Edition, 2006, 45, 117-120.	13.8	106
21	Lewis Acid Catalyzed Asymmetric Cycloadditions of Nitrones: β -Hydroxy Enones as Efficient Reaction Partners. Angewandte Chemie - International Edition, 2005, 44, 6187-6190.	13.8	73
22	Catalytic Enantioselective Aza-Henry Reaction with Broad Substrate Scope. Journal of the American Chemical Society, 2005, 127, 17622-17623.	13.7	180
23	Construction of C-S Bonds with a Quaternary Stereocenter through a Formal Michael Reaction: Asymmetric Synthesis of Tertiary Thiols. Angewandte Chemie - International Edition, 2004, 43, 3307-3310.	13.8	43
24	Construction of C-S Bonds with a Quaternary Stereocenter Through a Formal Michael Reaction: Asymmetric Synthesis of Tertiary Thiols.. ChemInform, 2004, 35, no.	0.0	0
25	Phosphazene bases for the preparation of biaryl thioethers from aryl iodides and arenethiols. Tetrahedron Letters, 2000, 41, 1283-1286.	1.4	146
26	Phosphazene P4-But base for the Ullmann biaryl ether synthesis. Chemical Communications, 1998, , 2091-2092.	4.1	74
27	Bu ₃ SnH-Catalyzed Barton-McCombie Deoxygenation of Alcohols. Journal of the American Chemical Society, 1997, 119, 6949-6950.	13.7	127
28	A mild, convenient, and inexpensive method for converting imines into amines: Tin-catalyzed reduction with polymethylhydrosiloxane (PMHS). Tetrahedron, 1997, 53, 16349-16354.	1.9	47
29	A direct enzymatic synthesis of β -D-galactopyranosyl-D-xylopyranosides and their use to evaluate rat intestinal lactase activity in vivo. Carbohydrate Research, 1996, 290, 209-216.	2.3	18
30	Conformational studies of a trisaccharide epitope in solution by using NMR spectroscopy and molecular mechanics and dynamics calculations with the MM3* program. Journal of the Chemical Society Perkin Transactions II, 1995, , 713-721.	0.9	4
31	Conformational studies on β -D-galactopyranosyl-(1 \rightarrow 3) and (1 \rightarrow 4)-xylopyranosides by NMR, molecular mechanics, molecular dynamics, and semiempirical. Tetrahedron, 1994, 50, 6417-6432.	1.9	10
32	Enzymic β -Galactosidation of Modified Monosaccharides: Study of the Enzyme Selectivity for the Acceptor and Its Application to the Synthesis of Disaccharides. Journal of Organic Chemistry, 1994, 59, 737-745.	3.2	91
33	Regioselective Acetylations of Alkyl β -D-Xylopyranosides by Use of Lipase PS in Organic Solvents and Application to the Chemoenzymic Synthesis of Oligosaccharides. Journal of Organic Chemistry, 1994, 59, 7027-7032.	3.2	41
34	Syntheses of pharmaceutical oligosaccharides catalyzed by immobilized-stabilized derivatives of different β -galactosidases. Journal of Molecular Catalysis, 1993, 84, 373-379.	1.2	8
35	Enzymatic Transesterification of Alkyl 2,3,4-Tri-O-acyl- β -D-xylopyranosides. Journal of Carbohydrate Chemistry, 1993, 12, 165-171.	1.1	19
36	Controlling yield and regioselectivity in the enzymatic synthesis of β -D-galactopyranosyl- β -D-xylopyranosides. Tetrahedron Letters, 1992, 33, 5449-5452.	1.4	21

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37	Synthesis and diels alder reactions of (+)-(S)-1-t-Butylsulfonyl-1-p-tolylsulfinylethene, a new masked chiral ketene equivalent. <i>Tetrahedron: Asymmetry</i> , 1991, 2, 93-96.	1.8	39
38	Enzymatic β -galactosidation of β -xylopyranosides. <i>Biotechnology Letters</i> , 1991, 13, 705-710.	2.2	10
39	Planar Chirality: A mine for catalysis and structure discovery. <i>Angewandte Chemie</i> , 0, , .	2.0	6