

Antonia Mielgo

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,913
citations

236612

25
h-index

377514

34
g-index

53
all docs

53
docs citations

53
times ranked

1871
citing authors

#	ARTICLE	IF	CITATIONS
1	Diarylprolinol Ethers: Expanding the Potential of Enamine/Iminium-Ion Catalysis. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7876-7880.	7.2	442
2	Diarylprolinol Ethers: New Tools for Functionalization of Carbonyl Compounds. <i>Chemistry - an Asian Journal</i> , 2008, 3, 922-948.	1.7	401
3	Unveiling Reliable Catalysts for the Asymmetric Nitroaldol (Henry) Reaction. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5442-5444.	7.2	284
4	Water-Compatible Iminium Activation: Organocatalytic Michael Reactions of Carbon-Centered Nucleophiles with Enals. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8431-8435.	7.2	227
5	Highly Efficient Asymmetric Michael Addition of Aldehydes to Nitroalkenes Catalyzed by a Simple trans-4-Hydroxyprolylamide. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5984-5987.	7.2	218
6	Enantioselective Construction of Tetrasubstituted Stereogenic Carbons through Brønsted Base Catalyzed Michael Reactions: 2-Hydroxy Enones as Key Enolate Equivalent. <i>Journal of the American Chemical Society</i> , 2014, 136, 17869-17881.	6.6	118
7	Regio- and Enantioselective Direct Oxyamination Reaction of Aldehydes Catalyzed by Diphenylprolinol Trimethylsilyl Ether. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8054-8056.	7.2	94
8	Contribution to the development of new substitution patterns of optically active β -lactams: synthesis of homochiral 4-(1-aminoalkyl)azetidin-2-ones from N-(tert-butyloxycarbonyl) α -amino aldehyde-derived imines via asymmetric Staudinger reaction. <i>Journal of the American Chemical Society</i> , 1992, 114, 9360-9369.	6.6	91
9	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
10	A Contribution to the Asymmetric Synthesis of α -Amino β -Lactams: The Diastereoselective [2+2] Cycloaddition Reaction of Chiral Aminoketene Equivalents with Enolizable Aldehyde-Derived Imines. <i>Chemistry - A European Journal</i> , 1997, 3, 1432-1441.	1.7	56
11	Catalytic asymmetric α -alkylation of aldehydes via a S_N2 -type addition-elimination pathway. <i>Chemical Science</i> , 2011, 2, 353-357.	3.7	54
12	Combined α -dialkylprolinol ether/Brønsted acid promotes Mannich reactions of aldehydes with unactivated imines. An entry to anti-configured propargylic amino alcohols. <i>Chemical Science</i> , 2012, 3, 2949.	3.7	50
13	A Study on the Asymmetric Synthesis of β -Lactams through Double Stereodifferentiating Cycloaddition Reactions. <i>Journal of Organic Chemistry</i> , 1996, 61, 9186-9195.	1.7	49
14	Asymmetric synthesis of α -keto β -lactams via [2+2] cycloaddition reaction: A concise approach to		

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19	A 4-Hydroxypyrrolidine-Catalyzed Mannich Reaction of Aldehydes: Control of <i>anti</i> -Selectivity by Hydrogen Bonding Assisted by Brønsted Acids. <i>Chemistry - A European Journal</i> , 2010, 16, 5333-5342.	1.7	26
20	β -Amino Acid <i>N</i> -Carboxyanhydrides Relying on Sequential Enantioselective C(4)-Functionalization of Pyrrolidine-2,3-diones and Regioselective Baeyer-Villiger Oxidation. <i>Chemistry - A European Journal</i> , 2017, 23, 8185-8195.	1.7	25
21	Asymmetric Assembly of All-Carbon Tertiary/Quaternary Nonadjacent Stereocenters through Organocatalytic Conjugate Addition of α -Cyanoacetates to a Methacrylate Equivalent. <i>Chemistry - A European Journal</i> , 2016, 22, 13690-13696.	1.7	23
22	Enantio- and Diastereoselective Organocatalytic α -Alkylation of Aldehydes with 3-Substituted 2-(Bromomethyl)acrylates. <i>Journal of Organic Chemistry</i> , 2012, 77, 747-753.	1.7	21
23	α -Hydroxy Ketones as Masked Ester Donors in Brønsted Base Catalyzed Conjugate Additions to Nitroalkenes. <i>Chemistry - A European Journal</i> , 2018, 24, 3893-3901.	1.7	13
24	Synthesis of β -Hydroxy α -Amino Acids Through Brønsted Base-Catalyzed <i>syn</i> -Selective Direct Aldol Reaction of Schiff Bases of Glycine <i>o</i> -Nitroanilide. <i>Journal of Organic Chemistry</i> , 2021, 86, 7757-7772.	1.7	12
25	Enantioselective Addition of Alkynyl Ketones to Nitroolefins Assisted by Brønsted Base/H-bonding Catalysis. <i>Chemistry - A European Journal</i> , 2019, 25, 4390-4397.	1.7	9
26	1H-Imidazol-4(5H)-ones and thiazol-4(5H)-ones as emerging pronucleophiles in asymmetric catalysis. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 918-936.	1.3	8
27	Probing α -Amino Aldehydes as Weakly Acidic Pronucleophiles: Direct Access to Quaternary α -Amino Aldehydes by an Enantioselective Michael Addition Catalyzed by Brønsted Bases. <i>Chemistry - A European Journal</i> , 2021, 27, 2483-2492.	1.7	7
28	<i>syn</i> -Selective Michael Reaction of β -Branched Aryl Acetaldehydes with Nitroolefins Promoted by Squaric Amino Acid Derived Bifunctional Brønsted Bases. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3604-3612.	1.2	4
29	Unveiling Reliable Catalysts for the Asymmetric Nitroaldol (Henry) Reaction. <i>ChemInform</i> , 2005, 36, no.	0.1	0