

Maria J Alves

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Regio- and stereo-selective aza-Diels-Alder reaction of ethyl glyoxylate 4-methoxyphenylimine with 1,3-dienes in the presence of Et ₂ O. Evidence for a non-concerted mechanism. <i>Tetrahedron</i> , 2007, 63, 727-734.	1.9	50
2	Generation and Diels-Alder reactions of t-butyl 2H-azirine-3-carboxylate. <i>Tetrahedron Letters</i> , 1998, 39, 7579-7582.	1.4	33
3	Cycloaddition of methyl 2-(2,6-dichlorophenyl)-2H-azirine-3-carboxylate to electron-rich 2-azadienes. <i>Tetrahedron Letters</i> , 2003, 44, 5079-5082.	1.4	22
4	Optically active aziridine esters by nucleophilic addition of nitrogen heterocycles to a chiral 2H-azirine-2-carboxylic ester. <i>Tetrahedron Letters</i> , 2003, 44, 6277-6279.	1.4	20
5	A New Approach to the Synthesis of N-Dialkyladenine Derivatives. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4881-4887.	2.4	17
6	Asymmetric Diels-Alder cycloadditions of d-erythrose 1,3-butadienes to achiral t-butyl 2H-azirine 3-carboxylate. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1063-1068.	1.8	17
7	Diels-Alder cycloaddition of electrophilic 2H-azirines with 3-(3-(tert-butyl)dimethylsilyloxy)buta-1,3-dienyl oxazolidin-2-ones. Treatment of the cycloadducts under acidic conditions. <i>Tetrahedron</i> , 2006, 62, 3095-3102.	1.9	16
8	Stereoselective synthesis of polyhydroxylated pyrrolidines: a route to novel 3,5-bis(hydroxymethyl)pyrrolidines from 2-azabicyclo[2.2.1]hept-5-enes. <i>Tetrahedron Letters</i> , 2006, 47, 7595-7597.	1.4	16
9	Highly diastereoselective synthesis of 2-azabicyclo[2.2.1]hept-5-ene derivatives: Bronsted acid catalyzed aza-Diels-Alder reaction between cyclopentadiene and imino-acetates with two chiral auxiliaries. <i>Tetrahedron</i> , 2011, 67, 7162-7172.	1.9	16
10	Diels-Alder cycloaddition of 2-azadienes to methyl 2-(2,6-dichlorophenyl)-2H-azirine-3-carboxylate in the synthesis of methyl 4-oxo-1,3-diazabicyclo[4.1.0]heptane-6-carboxylates. <i>Tetrahedron</i> , 2004, 60, 6541-6553.	1.9	15
11	Novel aziridine esters by the addition of aromatic nitrogen heterocycles to a 2H-azirine-3-carboxylic ester. <i>Tetrahedron Letters</i> , 2000, 41, 4991-4995.	1.4	14
12	Novel 4-substituted 4,5-dihydro-3H-(8-amino-6-oxo)pyrrolo[3,4-f][1,3,5]triazepines from (Z)-N ₂ -(2-amino-1,2-dicyano)formamidine and carbonyl compounds. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 834-836.	2.0	13
13	Ethyl 3-(2-Pyridyl)-2H-azirine-2-carboxylate: Synthesis and Reaction with Dienes. <i>Synthesis</i> , 2005, 2005, 555-558.	2.3	13
14	Novel pyridine-2,4,6-tricarbohydrazide derivatives: Design, synthesis, characterization and in vitro biological evaluation as α - and β -glucosidase inhibitors. <i>Bioorganic Chemistry</i> , 2014, 57, 148-154.	4.1	13
15	Formation of pyridin-4(1H)-one versus 1H-azepin-4(7H)-one by treatment of 4-tert-butyl(dimethylsilyloxy)-2-amino-1-aza-bicyclo[4.1.0]hept-3-enes with tetrabutylammonium fluoride. <i>Tetrahedron</i> , 2007, 63, 11167-11173.	1.9	12
16	Diastereoselective Diels-Alder cycloaddition of [(1R)-10-(N,N-diethylsulfamoyl)isobornyl] 2H-azirine to nucleophilic 1,4-disubstituted 1,3-dienes. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1378-1382.	1.8	12
17	Advances in the Synthesis of Homochiral (α)-1-Azafagomine and (+)-5-epi-1-Azafagomine. 1-Phenyl Carboxamide Derivatives of both Enantiomers of 1-Azafagomine: Leads for the Synthesis of Active α -Glucosidase Inhibitors.. <i>Journal of Organic Chemistry</i> , 2011, 76, 9584-9592.	3.2	12
18	Synthesis of Polyhydroxylated Pyrrolidines and Aziridinopyrrolidines from [4+2] Cycloadducts of Cyclopentadiene and Imines/2H-Azirines. <i>Synthesis</i> , 2008, 2008, 971-977.	2.3	11

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19	Synthesis of Iminosugars from Tetroses. <i>Current Organic Synthesis</i> , 2014, 11, 182-203.	1.3	11
20	Diastereo-controlled Diels-Alder cycloadditions of erythrose benzylidene-acetal 1,3-butadienes by 4-substituted-1,2,4-triazoline-3,5-dione: Evidence for the stereoelectronic effects on the dienes. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1817-1820.	1.8	8
21	Enantioselective Diels-Alder Cycloadditions in the Synthesis of Two Enantiomeric Sets of Chiral Polyhydroxylated Pipecolic Acid Derivatives. <i>Synlett</i> , 2014, 25, 1751-1755.	1.8	8
22	Stereoselective cycloaddition of 1-glucosyl-1,3-butadienes with tert-butyl 2H-azirine-3-carboxylate, glyoxylates and imines. <i>Tetrahedron Letters</i> , 2003, 44, 6561-6565.	1.4	6
23	Highly stereoselective cycloadditions of Danishefsky's diene to (â ⁺)-8-phenylmenthyl and (+)-8-phenylneomenthyl glyoxylate N-phenylethylimines. <i>Tetrahedron</i> , 2013, 69, 2909-2919.	1.9	6
24	Total Facial Discrimination of 1,3-Dipolar Cycloadditions in a d-Erythrose 1,3-Dioxane Template: Computational Studies of a Concerted Mechanism. <i>Journal of Organic Chemistry</i> , 2017, 82, 982-991.	3.2	6
25	Total facial selectivity of a d-erythrosyl aromatic imine in [4+2] cycloadditions; synthesis of 2-alkylpolyol 1,2,3,4-tetrahydroquinolines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2930-2937.	2.8	5
26	Synthesis of 1,3,8,8a-Tetrahydro-3,8-epoxyazirino[1,2-b]isoquinolines and Their Reactions with Oxygen Nucleophiles. <i>Heterocycles</i> , 2005, 65, 1329.	0.7	5
27	Chitosan Nano/Microformulations for Antimicrobial Protection of Leather with a Potential Impact in Tanning Industry. <i>Materials</i> , 2022, 15, 1750.	2.9	5
28	Ethyl 2-(Diisopropoxyphosphoryl)-2H-azirine-3-carboxylate: Reactions with Nucleophilic 1,3-Dienes. <i>Synthesis</i> , 2009, 2009, 3263-3266.	2.3	4
29	Synthesis and evaluation of Î±-, Î²-glucosidase inhibition of 1-N-carboxamide-1-azafagomines and 5-epi-1-azafagomines. <i>Carbohydrate Research</i> , 2014, 395, 52-57.	2.3	4
30	Total Stereoselective Michael Addition of N- and S- Nucleophiles to a d-Erythrosyl 1,5-Lactone Derivative. Experimental and Theoretical Studies Devoted to the Synthesis of 2,6-Dideoxy-4-functionalized-d-ribohexono-1,4-lactone. <i>Journal of Organic Chemistry</i> , 2018, 83, 8011-8019.	3.2	3
31	Diastereoselectivity in Diels-Alder Cycloadditions of Erythrose Benzylidene-acetal 1,3-Butadienes with Maleimides. <i>Synlett</i> , 2012, 23, 1765-1768.	1.8	2
32	Diels-Alder Cycloaddition in the Synthesis of 1-Azafagomine, Analogs, and Derivatives as Glycosidase Inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2012, 12, 1465-1476.	2.4	2
33	(3S,4R)-3,4-Dihydroxy-N-alkyl-l-homoprolines: synthesis and computational mechanistic studies. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 10052-10064.	2.8	1
34	Synthesis of novel sugar derived aziridines, as starting materials giving access to sugar amino acid derivatives. <i>Amino Acids</i> , 2021, 53, 1123-1134.	2.7	1
35	Concise Synthesis of (S)-7-Hydroxy-8a-epi-D-5-aza-swainsonine from a D-Erythrose Derivative. <i>Synthesis</i> , 0, , .	2.3	1
36	A Short Synthesis of (2S,3S,4R)-Dihydroxyhomoprolines from d-Erythrose-Derived 5,6-Dihydro-2H-pyran-2-one. <i>Synthesis</i> , 2019, 51, 2720-2728.	2.3	0

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37	Synthesis and Bioactivity of New Analogue of Bicyclic 1-azafagomine. ChemistrySelect, 2019, 4, 13384-13387.	1.5	0