

M Isabel Matheu

List of Publications by Year in descending order

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48
papers

1,271
citations

331670

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377865

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56
all docs

56
docs citations

56
times ranked

1279
citing authors

#	ARTICLE	IF	CITATIONS
1	Revealing 2-dimethylhydrazino-2-alkyl alkynyl sphingosine derivatives as sphingosine kinase 2 inhibitors: Some hints on the structural basis for selective inhibition. <i>Bioorganic Chemistry</i> , 2022, 121, 105668.	4.1	2
2	Probing Site-Selective Conjugation Chemistries for the Construction of Homogeneous Synthetic Glycodendriproteins. <i>ChemBioChem</i> , 2022, , e202200020.	2.6	1
3	Enantioselective Synthesis of β -Heterosubstituted α -Amino Alcohols by Sequential Metal-Free Diene Aziridination/Kinetic Resolution. <i>Chemistry - A European Journal</i> , 2019, 25, 12628-12635.	3.3	4
4	Enantioselective Synthesis of Aminodiols by Sequential Rhodium-Catalysed Oxyamination/Kinetic Resolution: Expanding the Substrate Scope of Amidine-Based Catalysis. <i>Chemistry - A European Journal</i> , 2018, 24, 4635-4642.	3.3	15
5	Fluorinated triazole-containing sphingosine analogues. Syntheses and in vitro evaluation as SPHK inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7230-7235.	2.8	7
6	Highly reactive 2-deoxy-2-iodo- <i>d</i> -allo- and <i>d</i> -gulo- pyranosyl sulfoxide donors ensure β -stereoselective glycosylations with steroidal aglycones. <i>RSC Advances</i> , 2018, 8, 30076-30079.	3.6	5
7	Chemical Access to <i>d</i> -Sarmentose Units Enables the Total Synthesis of Cardenolide Monoglycoside N-1 from <i>Nerium oleander</i> . <i>Journal of Organic Chemistry</i> , 2017, 82, 3327-3333.	3.2	9
8	Metal-free and VOC-free O-glycosylation in supercritical CO ₂ . <i>Green Chemistry</i> , 2017, 19, 2687-2694.	9.0	19
9	Palladium-catalyzed allylic amination: a powerful tool for the enantioselective synthesis of acyclic nucleoside phosphonates. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7227-7234.	2.8	9
10	Substrate-Regiocontrolled Synthesis of Enantioenriched Allylic Amines by Palladium-Catalysed Asymmetric Allylic Amination: Formal Synthesis of Fagomine. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 4057-4066.	4.3	8
11	Enantioselective Formal Synthesis of Nectrisine Using a Palladium-Catalyzed Asymmetric Allylic Amination and Cross-Metathesis as Key Steps. <i>Journal of Organic Chemistry</i> , 2016, 81, 5217-5221.	3.2	5
12	Synthesis of a β -Stereoogenic PNP ^t _{Bu,Ph} Ruthenium Pincer Complex and Its Application in Asymmetric Reduction of Ketones. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3666-3669.	2.4	22
13	Rhodium-catalyzed regio- and stereoselective oxyamination of dienes via tandem aziridination/ring-opening of dienyl carbamates. <i>Chemical Communications</i> , 2014, 50, 7344-7347.	4.1	31
14	Ruthenium-catalyzed cross-metathesis with electron-rich phenyl vinyl sulfide enables access to 2,3-dideoxy-d-ribose ring system donors. <i>RSC Advances</i> , 2014, 4, 19794-19799.	3.6	9
15	Tuning the Stereoelectronic Properties of 1-Sulfanylhex-1-enitols for the Sequential Stereoselective Synthesis of 2-Deoxy-2-iodo- β -d-allopyranosides. <i>Journal of Organic Chemistry</i> , 2014, 79, 3060-3068.	3.2	12
16	Chemo-, Regio-, and Stereoselective Silver-Catalyzed Aziridination of Dienes: Scope, Mechanistic Studies, and Ring-Opening Reactions. <i>Journal of the American Chemical Society</i> , 2014, 136, 5342-5350.	13.7	89
17	Advances in the enantioselective synthesis of carbocyclic nucleosides. <i>Chemical Society Reviews</i> , 2013, 42, 5056.	38.1	95
18	Phosphine-Free Suzuki-Miyaura Cross-Coupling in Aqueous Media Enables Access to 2- <i>C</i> -Aryl-Glycosides. <i>Organic Letters</i> , 2012, 14, 1728-1731.	4.6	61

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19	Efficient and regioselective ring-opening of arylaziridines with alcohols, thiols, amines and N-heteroaromatic compounds using sulphated zirconia. <i>Tetrahedron Letters</i> , 2012, 53, 2525-2529.	1.4	15
20	Sequential Directed Epoxydation-Acidolysis from Glycals with MCPBA. A Flexible Approach to Protected Glycosyl Donors. <i>Journal of Organic Chemistry</i> , 2011, 76, 9622-9629.	3.2	7
21	Enantioselective Synthesis of Jaspine B (Pachastrissamine) and Its C ₂ and/or C ₃ Epimers. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1514-1519.	2.4	34
22	Synthesis of Hyperbranched Î²-Galceramide-Containing Dendritic Polymers that Bind HIV-1 gp120. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2657-2660.	2.4	15
23	Stereoselective Tandem Epoxidation-Alcoholysis/Hydrolysis of Glycals with Molybdenum Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 3407-3418.	4.3	14
24	Efficient Silver-Catalyzed Regio- and Stereospecific Aziridination of Dienes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7092-7095.	13.8	86
25	Studies on the Zn(II)-mediated electrophilic selenocyclization and elimination of 3,4-O-isopropylidene-protected hydroxyalkenyl sulfides: synthesis of a 2-phenylselenenyl glycal. <i>Carbohydrate Research</i> , 2010, 345, 1041-1045.	2.3	7
26	Recent Advances in the Synthesis of Sphingosine and Phytosphingosine, Molecules of Biological Significance. <i>Current Organic Chemistry</i> , 2010, 14, 2483-2521.	1.6	47
27	Short and General Procedure for Synthesizing Cis-1,2-Fused 1,3-Oxathiolan-, 1,3-Oxaselenolan-, and 1,3-Oxazolidin-2-imine Carbohydrate Derivatives. <i>Journal of Organic Chemistry</i> , 2010, 75, 514-517.	3.2	17
28	Efficient Synthesis of Î²-Glycosphingolipids by Reaction of Stannylceramides with Glycosyl Iodides Promoted by TBAI/AW 300 Molecular Sieves. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3849-3852.	2.4	16
29	Designing an effective approach for obtaining methylenecarboxylate analogues of adenophostin A. Preliminary results. <i>Carbohydrate Research</i> , 2009, 344, 2559-2567.	2.3	5
30	An Efficient and General Enantioselective Synthesis of Sphingosine, Phytosphingosine, and 4-Substituted Derivatives. <i>Organic Letters</i> , 2009, 11, 205-208.	4.6	64
31	Direct and Efficient Glycosylation Protocol for Synthesizing Î±-Glycolipids: Application to the Synthesis of KRN7000. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 1851-1854.	2.4	19
32	Towards the preparation of 2-deoxy-2-fluoro-adenophostin A. Study of the glycosylation reaction. <i>Tetrahedron</i> , 2008, 64, 10906-10911.	1.9	13
33	Asymmetric sulfur ylide based enantioselective synthesis of D-erythro-sphingosine. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 4502.	2.8	35
34	Stannyl ceramides as efficient acceptors for synthesising Î²-galactosyl ceramides. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 3831.	2.8	9
35	Highly efficient and stereoselective synthesis of Î²-glycolipids. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 443-446.	2.8	24
36	Synthesis of d- and l-Carbocyclic Nucleosides via Rhodium-Catalyzed Asymmetric Hydroacylation as the Key Step. <i>Organic Letters</i> , 2008, 10, 4735-4738.	4.6	54

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37	Synthesis of 2-Iodoglycals, Glycals, and 1,1'-Disaccharides from 2-Deoxy-2-iodopyranoses under Dehydrative Glycosylation Conditions. <i>Journal of Organic Chemistry</i> , 2007, 72, 8998-9001.	3.2	31
38	Stereoselective Synthesis of 2-Deoxyglycosides from Sulfanyl Alkenes by Consecutive α -One Pot Cyclization and Glycosylation Reactions. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 2470-2476.	2.4	16
39	Stereoselective Synthesis of 2-Deoxy-2-phenylselenenyl Glycosides from Furanoses: Implication of the Phenylselenenyl Group in the Stereocontrolled Preparation of 2-Deoxy-ribo- and 2-Deoxy-xylo-oligosaccharides. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 3564-3572.	2.4	21
40	Recent advances in the glycosylation of sphingosines and ceramides. <i>Carbohydrate Research</i> , 2007, 342, 1595-1612.	2.3	57
41	Synthesis of carbohydrate-based vinyl selenides via Wittig-type reactions. <i>Carbohydrate Research</i> , 2007, 342, 736-743.	2.3	8
42	General Method for Synthesizing Pyranoid Glycals. A New Route to Allal and Gulal Derivatives. <i>Organic Letters</i> , 2006, 8, 673-675.	4.6	29
43	Stereoselective Synthesis of 2-Deoxy-2-iodo-glycosides from Furanoses. A New Route to 2-Deoxy-glycosides and 2-Deoxy-oligosaccharides of ribo and xylo Configuration. <i>Journal of Organic Chemistry</i> , 2005, 70, 10297-10310.	3.2	31
44	Synthesis of 2-deoxy-3,5-di-O-benzoyl-2,2-difluoro-D-ribose from D-glucose and D-mannose. A formal synthesis of gemcitabine. <i>Tetrahedron</i> , 1998, 54, 3523-3532.	1.9	33
45	An Improved Synthesis of 4-O-Benzoyl-2,2-difluorooleandrose from l-Rhamnose. Factors Determining the Synthesis of 2,2-Difluorocarbohydrates from 2-Uloses. <i>Journal of Organic Chemistry</i> , 1998, 63, 2184-2188.	3.2	25
46	Stereoselective Synthesis of 2',3'-Dideoxynucleosides by Addition of Selenium Electrophiles to Glycals. A Formal Synthesis of D4T from 2-Deoxyribose. <i>Journal of Organic Chemistry</i> , 1997, 62, 1501-1505.	3.2	44
47	A new and extremely fast synthesis of 2-deoxy-2,2-difluoro-d-arabino-hexose (2-deoxy-2,2-difluoro-d-glucose). <i>Carbohydrate Research</i> , 1992, 233, C1-C3.	2.3	10
48	gem-Difluorination versus 1,2-migration and fragmentation in the reaction of 2- and 3-uloses with DAST. Influence of stereochemistry at the anomeric carbon atom. <i>Journal of Organic Chemistry</i> , 1991, 56, 4556-4559.	3.2	44