Yolanda Diaz

List of Publications by Year
in descending order

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62 papers	1,706 citations	279798 23 h-index	302126 39 g-index
86 all docs	86 docs citations	86 times ranked	1705 citing authors

#	Article	IF	Citations
1	Stereoselective Glycosylations of a Family of 6-Deoxy-1,2-glycals Generated by Catalytic Alkynol Cycloisomerization. Journal of the American Chemical Society, 2000, 122, 4304-4309.	13.7	196
2	Carbohydrate derivative ligands in asymmetric catalysis. Coordination Chemistry Reviews, 2004, 248, 2165-2192.	18.8	170
3	C1 and C2-symmetric carbohydrate phosphorus ligands in asymmetric catalysis. Chemical Society Reviews, 2005, 34, 702.	38.1	115
4	Advances in the enantioselective synthesis of carbocyclic nucleosides. Chemical Society Reviews, 2013, 42, 5056.	38.1	95
5	An Efficient and General Enantioselective Synthesis of Sphingosine, Phythosphingosine, and 4-Substituted Derivatives. Organic Letters, 2009, 11, 205-208.	4.6	64
6	Recent advances in the glycosylation of sphingosines and ceramides. Carbohydrate Research, 2007, 342, 1595-1612.	2.3	57
7	Synthesis of <scp>d</scp>- and <scp>l</scp>-Carbocyclic Nucleosides via Rhodium-Catalyzed Asymmetric Hydroacylation as the Key Step. Organic Letters, 2008, 10, 4735-4738.	4.6	54
8	Recent Advances in the Synthesis of Sphingosine and Phytosphingosine, Molecules of Biological Significance. Current Organic Chemistry, 2010, 14, 2483-2521.	1.6	47
9	Stereoselective Synthesis of 2â€˜,3â€˜-Dideoxynucleosides by Addition of Selenium Electrophiles to Glycals. A Formal Synthesis of D4T from 2-Deoxyribose. Journal of Organic Chemistry, 1997, 62, 1501-1505.	3.2	44
10	Synthesis of Purine and Pyrimidine Isodideoxynucleosides from (S)-Glycydol Using Iodoetherification as Key Step. Synthesis of (S,S)-iso-ddA1. Journal of Organic Chemistry, 1999, 64, 6508-6511.	3.2	38
11	Conformationally-Locked N-Glycosides with Selective Î²-Glucosidase Inhibitory Activity: Identification of a New Non-Iminosugar-Type Pharmacological Chaperone for Gaucher Disease. Journal of Medicinal Chemistry, 2012, 55, 6857-6865.	6.4	36
12	Asymmetric sulfur ylide based enantioselective synthesis of D-erythro-sphingosine. Organic and Biomolecular Chemistry, 2008, 6, 4502.	2.8	35
13	Enantioselective Synthesis of Jaspine B (Pachastrissamine) and Its Câ€2 and/or Câ€3 Epimers. European Journal of Organic Chemistry, 2011, 2011, 1514-1519.	2.4	34
14	Selenium-controlled stereoselective synthesis of 2â€²-deoxynucleosides from glycals. A formal synthesis of AZT. Tetrahedron Letters, 1993, 34, 2821-2822.	1.4	33
15	C2-Symmetric Diphosphinite Ligands Derived from Carbohydrates. The Strong Influence of Remote Stereocenters on Asymmetric Rhodium-Catalyzed Hydrogenation. Journal of Organic Chemistry, 2004, 69, 7502-7510.	3.2	31
16	Stereoselective Synthesis of 2-Deoxy-2-iodo-glycosides from Furanoses. A New Route to 2-Deoxy-glycosides and 2-Deoxy-oligosaccharides ofriboandxyloConfiguration. Journal of Organic Chemistry, 2005, 70, 10297-10310.	3.2	31
17	Synthesis of 2-Iodoglycals, Glycals, and 1,1â€˜-Disaccharides from 2-Deoxy-2-iodopyranoses under Dehydrative Glycosylation Conditions. Journal of Organic Chemistry, 2007, 72, 8998-9001.	3.2	31
18	Rhodium-catalyzed regio- and stereoselective oxyamination of dienes via tandem aziridination/ring-opening of dienyl carbamates. Chemical Communications, 2014, 50, 7344-7347.	4.1	31

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19	NewC2- andC1-Symmetric Phosphorus Ligands Based on Carbohydrate Scaffolds and Their Use in the Iridium-Catalysed Hydrogenation of Ketimines. European Journal of Organic Chemistry, 2006, 2006, 627-633.	2.4	30
20	General Method for Synthesizing Pyranoid Glycals.A New Route to Allal and Gulal Derivatives. Organic Letters, 2006, 8, 673-675.	4.6	29
21	Synthesis of 2â€²-deoxy-2â€²-phenylselenenyl-furanosyl nucleosides from glycals using electrophilic selenium reagents. Conversion into 2â€²-deoxynucleosides. Tetrahedron, 1997, 53, 10921-10938.	1.9	26
22	Syntheses of a Novel Fluorinated Trisphosphinoborate Ligand and Its Copper and Silver Complexes. Catalytic Activity toward Nitrene Transfer Reactions. Inorganic Chemistry, 2014, 53, 3991-3999.	4.0	26
23	Highly efficient and stereoselective synthesis of Î²-glycolipids. Organic and Biomolecular Chemistry, 2008, 6, 443-446.	2.8	24
24	Synthesis of erythro and threo furanoid glycals from 1- and 2-phenylselenenylâ€“carbohydrate derivatives. Carbohydrate Research, 2001, 336, 83-97.	2.3	23
25	Synthesis of a Pâ€Stereogenic PNP^{tBu,Ph} Ruthenium Pincer Complex and Its Application in Asymmetric Reduction of Ketones. European Journal of Organic Chemistry, 2015, 2015, 3666-3669.	2.4	22
26	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. European Journal of Organic Chemistry, 2007, 2007, 3564-3572.	2.4	21
27	Direct and Efficient Glycosylation Protocol for Synthesizing Î±â€Glycolipids: Application to the Synthesis of KRN7000. European Journal of Organic Chemistry, 2008, 2008, 1851-1854.	2.4	19
28	Metal-free and VOC-free O-glycosylation in supercritical CO₂. Green Chemistry, 2017, 19, 2687-2694.	9.0	19
29	The reaction of pyranoside 2-uloses with DAST revised. Synthesis of 1-fluoro-ketofuranosyl fluorides and their reactivity with alcohols. Tetrahedron, 2001, 57, 6733-6743.	1.9	18
30	Short and General Procedure for Synthesizing Cis-1,2-Fused 1,3-Oxathiolan-, 1,3-Oxaselenolan-, and 1,3-Oxazolidin-2-imine Carbohydrate Derivatives. Journal of Organic Chemistry, 2010, 75, 514-517.	3.2	17
31	Stereoselective Synthesis of 2-Deoxyglycosides from Sulfanyl Alkenes by Consecutive â€œOne Potâ€• Cyclization and Glycosylation Reactions. European Journal of Organic Chemistry, 2007, 2007, 2470-2476.	2.4	16
32	Efficient Synthesis of Î²â€Glycosphingolipids by Reaction of Stannylceramides with Glycosyl Iodides Promoted by TBAI/AW 300 Molecular Sieves. European Journal of Organic Chemistry, 2009, 2009, 3849-3852.	2.4	16
33	Stereoselective synthesis of both enantiomers of 1,4-anhydro-alditols, 1,4-anhydro-2-amino-alditols and d- and l-isonucleosides from 2,3-O-isopropylidene-d-glyceraldehyde using iodine-induced cyclization as the key step. Tetrahedron: Asymmetry, 2001, 12, 1635-1643.	1.8	15
34	Stereoselective Synthesis of Homochiral Substituted Tetrahydrothiophenes by Electrophile-Promoted Thioetherification. European Journal of Organic Chemistry, 2003, 2003, 209-216.	2.4	15
35	Synthesis of Hyperbranched Î²â€Galceramideâ€Containing Dendritic Polymers that Bind HIVâ€1 rgp120. European Journal of Organic Chemistry, 2010, 2010, 2657-2660.	2.4	15
36	Conformationally-locked N-glycosides: Exploiting long-range non-glycone interactions in the design of pharmacological chaperones for Gaucher disease. European Journal of Medicinal Chemistry, 2015, 90, 258-266.	5.5	15

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37	Enantioselective Synthesis of Aminodiols by Sequential Rhodiumâ€Catalysed Oxyamination/Kinetic Resolution: Expanding the Substrate Scope of Amidineâ€Based Catalysis. Chemistry - A European Journal, 2018, 24, 4635-4642.	3.3	15
38	Stereoselective Tandem Epoxidationâ€“Alcoholysis/Hydrolysis of Glycals with Molybdenum Catalysts. Advanced Synthesis and Catalysis, 2010, 352, 3407-3418.	4.3	14
39	Synthesis of amino-1,4-anhydro-d-pentitols and amino-1,5-anhydro-d-hexitols with the arabino configuration from (R)-glycidol. Tetrahedron: Asymmetry, 2003, 14, 1847-1856.	1.8	13
40	Towards the preparation of 2â€³-deoxy-2â€³-fluoro-adenophostin A. Study of the glycosylation reaction. Tetrahedron, 2008, 64, 10906-10911.	1.9	13
41	Tuning the Stereoelectronic Properties of 1-Sulfanylhex-1-enitols for the Sequential Stereoselective Synthesis of 2-Deoxy-2-iodo-Î²-d-allopyranosides. Journal of Organic Chemistry, 2014, 79, 3060-3068.	3.2	12
42	Stereoselective synthesis of l-isonucleosides. Tetrahedron Letters, 2003, 44, 3771-3773.	1.4	11
43	Mn(III) complexes with tridentate N,N,O-ligands as catalysts for the epoxidation of alkenes. Journal of Coordination Chemistry, 2013, 66, 2567-2577.	2.2	10
44	Stannyl ceramides as efficient acceptors for synthesising Î²-galactosyl ceramides. Organic and Biomolecular Chemistry, 2008, 6, 3831.	2.8	9
45	Ruthenium-catalyzed cross-metathesis with electron-rich phenyl vinyl sulfide enables access to 2,3-dideoxy-d-ribopyranose ring system donors. RSC Advances, 2014, 4, 19794-19799.	3.6	9
46	Chemical Access to <scp>d</scp>-Sarmentose Units Enables the Total Synthesis of Cardenolide Monoglycoside N-1 from Nerium oleander. Journal of Organic Chemistry, 2017, 82, 3327-3333.	3.2	9
47	Palladium-catalyzed allylic amination: a powerful tool for the enantioselective synthesis of acyclic nucleoside phosphonates. Organic and Biomolecular Chemistry, 2017, 15, 7227-7234.	2.8	9
48	Synthesis of carbohydrate-based vinyl selenides via Wittig-type reactions. Carbohydrate Research, 2007, 342, 736-743.	2.3	8
49	Substrateâ€Regiocontrolled Synthesis of Enantioenriched Allylic Amines by Palladiumâ€Catalysed Asymmetric Allylic Amination: Formal Synthesis of Fagomine. Advanced Synthesis and Catalysis, 2016, 358, 4057-4066.	4.3	8
50	Studies on the Zn(II)-mediated electrophilic selenocyclization and elimination of 3,4-O-isopropylidene-protected hydroxyalkenyl sulfides: synthesis of a 2-phenylselenenyl glycal. Carbohydrate Research, 2010, 345, 1041-1045.	2.3	7
51	Sequential Directed Epoxydation-Acidolysis from Glycals with MCPBA. A Flexible Approach to Protected Glycosyl Donors. Journal of Organic Chemistry, 2011, 76, 9622-9629.	3.2	7
52	Fluorinated triazole-containing sphingosine analogues. Syntheses andin vitroevaluation as SPHK inhibitors. Organic and Biomolecular Chemistry, 2018, 16, 7230-7235.	2.8	7
53	Designing an effective approach for obtaining methylenecarboxylate analogues of adenophostin A. Preliminary results. Carbohydrate Research, 2009, 344, 2559-2567.	2.3	5
54	Enantioselective Formal Synthesis of Nectrisine Using a Palladium-Catalyzed Asymmetric Allylic Amination and Cross-Metathesis as Key Steps. Journal of Organic Chemistry, 2016, 81, 5217-5221.	3.2	5

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55	Highly reactive 2-deoxy-2-iodo-<scp>d</scp>-allo and <scp>d</scp>-gulo pyranosyl sulfoxide donors ensure Î²-stereoselective glycosylations with steroidal aglycones. RSC Advances, 2018, 8, 30076-30079.	3.6	5
56	Enantioselective Synthesis of 3â€Heterosubstitutedâ€2â€aminoâ€1â€ols by Sequential Metalâ€Free Diene Aziridination/Kinetic Resolution. Chemistry - A European Journal, 2019, 25, 12628-12635.	3.3	4
57	Revealing 2-dimethylhydrazino-2-alkyl alkynyl sphingosine derivatives as sphingosine kinase 2 inhibitors: Some hints on the structural basis for selective inhibition. Bioorganic Chemistry, 2022, 121, 105668.	4.1	2
58	Synthesis of d/l-erythro-Sphingosine Using a Tethered Aminohydroxylation Reaction as the Key Step. Synthesis, 2009, 2009, 710-712.	2.3	1
59	Stereoselective Synthesis of Homochiral Substituted Tetrahydrothiophenes by Electrophile-Promoted Thioetherification.. ChemInform, 2003, 34, no.	0.0	0
60	Phenyl 2-Deoxy-2-iodo-1-thio-glycosides: New Glycosyl Donors for the Stereoselective Synthesis of 2-Deoxy-oligosaccharides. Synlett, 2003, 2003, 2143-2146.	1.8	0
61	C1 and C2-Symmetric Carbohydrate Phosphorus Ligands in Asymmetric Catalysis. ChemInform, 2005, 36, no.	0.0	0
62	A study of the oxepane synthesis by a 7-endo electrophile-induced cyclization reaction of alkenylsulfides. An approach towards the synthesis of septanosides. Arkivoc, 2007, 2007, 364-379.	0.5	0