Felicia D'andrea

List of Publications by Year
in descending order

83 papers	1,287 citations	361045 20 h-index	454577 30 g-index
86 all docs	86 docs citations	86 times ranked	1290 citing authors

#	Article	IF	Citations
1	A dramatic effect of the ionic liquid structure in esterification reactions in protic ionic media. Green Chemistry, 2013, 15, 137-143.	4.6	62
2	Biodegradation of 4-(1-nonyl)phenol by axenic cultures of the yeast Candida aquaetextoris: identification of microbial breakdown products and proposal of a possible metabolic pathway. International Biodeterioration and Biodegradation, 2001, 47, 133-140.	1.9	54
3	Insights into microwave heating response and thermal decomposition behavior of deep eutectic solvents. Journal of Molecular Liquids, 2020, 300, 112357.	2.3	50
4	A simple and highly diastereoselective preparation of glycal epoxides using the MCPBA-KF complex. Tetrahedron Letters, 1994, 35, 8433-8436.	0.7	49
5	Comparative evaluation of antimicrobial activity of different types of ionic liquids. Materials Science and Engineering C, 2019, 104, 109907.	3.8	49
6	Systematic Synthesis and Properties Evaluation of Dicationic Ionic Liquids, and a Glance Into a Potential New Field. Frontiers in Chemistry, 2018, 6, 612.	1.8	48
7	Exploiting Deep Eutectic Solvents and Ionic Liquids for the Valorization of Chestnut Shell Waste. ACS Sustainable Chemistry and Engineering, 2020, 8, 18386-18399.	3.2	46
8	Combining acid-based deep eutectic solvents and microwave irradiation for improved chestnut shell waste valorization. Green Chemistry, 2021, 23, 10101-10115.	4.6	42
9	Sugarâ€Based Arylsulfonamide Carboxylates as Selective and Waterâ€Soluble Matrix Metalloproteinaseâ€12 Inhibitors. ChemMedChem, 2016, 11, 1626-1637.	1.6	36
10	4,6-O-Benzylidene-d-glucopyranose and its sodium salt: new data on their preparation and properties. Carbohydrate Research, 1995, 278, 43-57.	1.1	34
11	Double reductive amination of l-arabino-hexos-5-uloses: A diastereoselective approach to 1-deoxy-d-galactostatin derivatives. Tetrahedron, 1997, 53, 3407-3416.	1.0	31
12	â€˜Naturalizationâ€™ of textile disperse dyes through glycoconjugation: the case of a bis(2-hydroxyethyl) group containing azo dye. Carbohydrate Research, 2008, 343, 2067-2074.	1.1	28
13	Improved preparation of 2,3:5,6:3â€²,4â€²-tri-O-isopropylidenelactose dimethyl acetal and its 6â€²-O-(1-methoxy-1-methylethyl) derivative. Carbohydrate Research, 1997, 298, 75-84.	1.1	27
14	A new highly diastereoselective synthesis of epi-inositol from d-galactose. Tetrahedron Letters, 2000, 41, 3253-3256.	0.7	26
15	Intramolecular aldol cyclization of l-lyxo-Hexos-5-ulose derivatives: A new diastereoselective synthesis of d-chiro-Inositol. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 3313-3315.	1.0	24
16	Diastereoselective bromination of allyl glycosides using tetrabutylammonium tribromide. Tetrahedron: Asymmetry, 1995, 6, 221-230.	1.8	23
17	Concise synthesis of 1-deoxy-4- O -Î²- d -galactopyranosyl- d -nojirimycin avoiding a glycosylation step. Tetrahedron Letters, 2001, 42, 1139-1142.	0.7	22
18	A facile conversion of 3,4-O-isopropylidene-Î²-d-galactopyranosides into 4-deoxy-Î±-l-threo-hex-4-enopyranoside and l-arabino-hexos-5-ulose derivatives. Carbohydrate Research, 1989, 190, 13-21.	1.1	21

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19	Convenient preparation of l-arabino-hexos-5-ulose derivatives from lactose. Carbohydrate Research, 2003, 338, 2349-2358.	1.1	21
20	Stereoelectronic control in two-step additions to initiated by electrophilic halogens. Tetrahedron, 1997, 53, 3417-3424.	1.0	20
21	Efficient Differentiation of the Hydroxyl Groups of 3,4-O-Isopropylidene-D-Galactopyranosides by Lipase Catalyzed Esterification and De - Esterification. Journal of Carbohydrate Chemistry, 1997, 16, 1001-1010.	0.4	19
22	An efficient stereoselective synthesis of enantiomerically pure mono- and di-O-hexadecyl-Î²-d-glucosylglycerol ethers by epoxidation of an allyl Î²-d-glucopyranoside asymmetrically induced by the glucide moiety. Tetrahedron: Asymmetry, 1997, 8, 765-773.	1.8	19
23	A new route to d-xylo-hexos-5-ulose and some of its selectively protected derivatives from d-galactose. Tetrahedron, 1997, 53, 8665-8674.	1.0	19
24	A new method for the synthesis of carba-sugar enones (gabosines) using a mercury(II)-mediated opening of 4,5-cyclopropanated pyranosides as the key-step. Tetrahedron Letters, 2006, 47, 6591-6594.	0.7	19
25	Ethereal Glycoconjugated Azodyes (GADs): A New Group of Waterâ€Soluble, Naturalised Dyes. European Journal of Organic Chemistry, 2008, 2008, 444-454.	1.2	17
26	Exploiting pollen and sporopollenin for the sustainable production of microstructures. New Journal of Chemistry, 2020, 44, 647-652.	1.4	17
27	A simple stereospecific route to 5-C-alkoxy-D-galactopyransides and to L-arabino-hexos-5-uloses. Tetrahedron Letters, 1991, 32, 959-962.	0.7	16
28	Lactose as an inexpensive starting material for the preparation of aldohexos-5-uloses: synthesis of l-ribo and d-lyxo derivatives. Carbohydrate Research, 2010, 345, 369-376.	1.1	16
29	A new synthesis of L-ascorbic acid from D-galactose. Tetrahedron, 1992, 48, 6273-6284.	1.0	15
30	Naturalised Dyes: A Simple Straightforward Synthetic Route to a New Class of Dyes â€“ Glycoazodyes (GADs). European Journal of Organic Chemistry, 2007, 2007, 588-595.	1.2	15
31	New syntheses of d-tagatose and of 1,5-anhydro-d-tagatose from d-galactose derivatives. Carbohydrate Research, 1995, 274, 197-208.	1.1	14
32	The conversion of d-galactopyranosides into 2-amino-2-deoxy-d-talopyranosyl derivatives: Some new data. Carbohydrate Research, 1996, 290, 17-31.	1.1	14
33	Regiospecific Synthesis of 4-Deoxy-D-threo-hex-3-enopyranosides by Simultaneous Activationâ€“Elimination of the Talopyranoside Axial 4-OH with the NaH/Im2SO2 System: Manifestation of the Stereoelectronic Effect. European Journal of Organic Chemistry, 2006, 2006, 5279-5292.	1.2	14
34	Matrix metalloproteinase-12 inhibitors: synthesis, structure-activity relationships and intestinal absorption of novel sugar-based biphenylsulfonamide carboxylates. Bioorganic and Medicinal Chemistry, 2018, 26, 5804-5815.	1.4	14
35	Exosite inhibition of ADAMTS-5 by a glycoconjugated arylsulfonamide. Scientific Reports, 2021, 11, 949.	1.6	14
36	A new stereoselective approach to a selectively protected derivative of d-pinitol and its evaluation as Î±-l-rhamnopyranose mimetic. Tetrahedron Letters, 2008, 49, 4534-4536.	0.7	13

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37	Toward the synthesis of fine chemicals from lactose: preparation of d-xylo and l-lyxo-aldohexos-5-ulose derivatives. Carbohydrate Research, 2009, 344, 717-724.	1.1	13
38	Synthesis and investigation of polyhydroxylated pyrrolidine derivatives as novel chemotypes showing dual activity as glucosidase and aldose reductase inhibitors. Bioorganic Chemistry, 2019, 92, 103298.	2.0	13
39	Synthesis of 2,6-anhydro-3-deoxy-l-threo-hex-2-enitol (â€œl-sorbalâ€) and of l-tagatose from d-galactose. Carbohydrate Research, 1991, 212, C5-C7.	1.1	12
40	Selective deprotection of 2â€²,6â€²-di-O-benzyl-2,3:5,6:3â€²,4â€²-tri-O-isopropylidenelactose dimethyl acetal. Carbohydrate Research, 2000, 324, 204-209.	1.1	12
41	A new route for the chemical valorisation of lactose. Environmental Science and Pollution Research, 2003, 10, 325-328.	2.7	12
42	Steric course of some cyclopropanation reactions of L-threo-hex-4-enopyranosides. Tetrahedron, 2004, 60, 3787-3795.	1.0	12
43	Prevalence of Oxetanose Forms in the Tautomeric Equilibrium of Î²-Hydroxy-1,5-dicarbonyl Monosaccharides. Journal of Organic Chemistry, 2013, 78, 9444-9449.	1.7	12
44	The endocannabinoid system dual-target ligand N-cycloheptyl-1,2-dihydro-5-bromo-1-(4-fluorobenzyl)-6-methyl-2-oxo-pyridine-3-carboxamide improves disease severity in a mouse model of multiple sclerosis. European Journal of Medicinal Chemistry, 2020, 208, 112858.	2.6	12
45	Stereoselective Synthesis of 4-O-(2-Acetamido-2-Deoxy-Î²-D-Talopyranosyl)-D-Glucose Derivatives from Lactose. Journal of Carbohydrate Chemistry, 2000, 19, 79-91.	0.4	11
46	Stereoselective entry into the d-GalNAc series starting from the d-Gal one: a new access to N-acetyl-d-galactosamine and derivatives thereof. Carbohydrate Research, 2009, 344, 298-303.	1.1	11
47	Expanding the Chemical Space of Benzimidazole Dicationic Ionic Liquids. Molecules, 2021, 26, 4211.	1.7	11
48	Induction of erythroid differentiation of human K562 cells by 3-O-acyl-1,2-O-isopropylidene-D-glucofuranose derivatives. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 3153-3158.	1.0	9
49	Preparation and evaluation of the in vitro erythroid differentiation induction properties of some esters of methyl 3,4-O-isopropylidene-Î²-d-galactopyranoside and 2,3-O-isopropylidene-d-mannofuranose. Bioorganic and Medicinal Chemistry, 2002, 10, 347-353.	1.4	9
50	Antiangiogenic Activity of Compounds Isolated from Anarrhinum pedatum. Journal of Natural Products, 2019, 82, 510-519.	1.5	9
51	The acetonation of methyl 5-C-methoxy-Î²-d-galactopyranoside1The nomenclature for these bis-glycosides is still somewhat ambiguous, since the introduction of a substituent at C-5, according to the Cahn, Ingold, Prelog rules, may invert its absolute configuration. We have preferred to use the Fischer nomenclature, since it is simpler and directly correlated with the name of the base compound, which undergoes a substitution of a hydrogen atom with a MeO group. This nomenclature has been previously used by us a. Carbohydrate Research, 1998, 311, 231-234.	1.1	8
52	An efficient and highly regioselective synthesis of 4-deoxy- and 2-acetamido-2,4-dideoxy-Î²-d-threo-hex-3-enopyranosides. Tetrahedron Letters, 2002, 43, 1685-1688.	0.7	8
53	A New Preparation of the Disaccharide Î²â€Dâ€ManNAcpâ€(1Ââ†’Â4)â€Dâ€Glc from Lactose Through a Highly Stereoselective Î²â€Dâ€Galpto Î²â€Dâ€ManNAcpTransformation. Journal of Carbohydrate Chemistry, 2004, 23, 179-190.	0.4	8
54	Improved Preparation of Î²â€<scp>d</scp>â€ManNAcâ€(1â†’4)â€<scp>d</scp>â€Glc and Î²â€<scp>d</scp>â€TalNAcâ€(1â†’4)â€<scp>d</scp>â€Glc Disaccharides and Evaluation of Their Activating Properties on the Natural Killer Cells NKRâ€P1 and CD69 Receptors. Journal of Carbohydrate Chemistry, 2008, 27, 156-171.	0.4	8

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55	Experimental and in silico characterization of a biologically active inosose. Structural Chemistry, 2013, 24, 955-965.	1.0	8
56	Stereoselective Access to the Î²â€<scp>D</scp>â€Nâ€Acetylhexosaminylâ€(1â†'4)â€1â€deoxyâ€<scp>D</scp>â€nojirimycin Disaccharide Series Avoiding the Glycosylation Reaction. European Journal of Organic Chemistry, 2014, 2014, 6527-6537.	2.5	8
57	Influence of the cation partner on levulinate ionic liquids properties. Journal of Molecular Liquids, 2022, 354, 118850.	2.3	8
58	2,5-dioxabicyclo[2.2.2]octane ring systems in the tautomeric forms of D-lyxo-hexopyranosid-2-ulose, 1,5-anhydro-D-tagatose and D-lyxo-hexodialdo-1,5-pyranosid-2-ulose derivatives. Tetrahedron Letters, 1992, 33, 7061-7064.	0.7	7
59	A new stereocontrolled access to Î²-d-mannopyranosides and 2-acetamido-2-deoxy-Î²-d-mannopyranosides starting from Î²-d-galactopyranosides. Tetrahedron Letters, 2002, 43, 8815-8818.	0.7	7
60	1,5-Anhydroxylitol from leaves of Olea europaea. Carbohydrate Research, 2004, 339, 2731-2732.	1.1	7
61	Stereoselective synthesis of a model Î±-glycoside of the Î²-d-ManNAcp-(1â†'4)-d-Glc disaccharide starting from lactose, avoiding the Î²-mannosaminylation step. Carbohydrate Research, 2008, 343, 2545-2556.	1.1	7
62	Synergistic activity between colistin and the ionic liquids 1-methyl-3-dodecylimidazolium bromide, 1-dodecyl-1-methylpyrrolidinium bromide, or 1-dodecyl-1-methylpiperidinium bromide against Gram-negative bacteria. Journal of Global Antimicrobial Resistance, 2020, 21, 99-104.	0.9	7
63	Synthesis of glycose carbamides and evaluation of the induction of erythroid differentiation of human erythroleukemic K562 cells. European Journal of Medicinal Chemistry, 2009, 44, 745-754.	2.6	5
64	Preparation of 1,6-di-deoxy-d-galacto and 1,6-di-deoxy-l-altro nojirimycin derivatives by aminocyclization of a 1,5-dicarbonyl derivative. Carbohydrate Research, 2019, 482, 107744.	1.1	5
65	Ionic liquid-promoted green synthesis of biologically relevant diaryl thioethers. Green Chemistry Letters and Reviews, 2020, 13, 295-302.	2.1	5
66	Oxy-imino saccharidic derivatives as a new structural class of aldose reductase inhibitors endowed with anti-oxidant activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1194-1205.	2.5	5
67	Variously substituted 2-oxopyridine derivatives: Extending the structure-activity relationships for allosteric modulation of the cannabinoid CB2 receptor. European Journal of Medicinal Chemistry, 2021, 211, 113116.	2.6	5
68	Chemical transformation of lactose into 4-O-Î²-d-galactopyranosyl-d-glucuronic acid (pseudolactobiouronic acid) and some derivatives thereof. Carbohydrate Research, 2002, 337, 991-996.	1.1	4
69	Conformational evaluation of some 4-deoxyhex-4-enopyranose derivatives and their use in the preparation of a previously undescribed class of 3-thio-l-sorbopyranosides and their 6-C-methoxy analogues. Carbohydrate Research, 2003, 338, 123-132.	1.1	4
70	Preparation and biological evaluation of some 1,2-O-isopropylidene-d-hexofuranose esters. Carbohydrate Research, 2006, 341, 538-544.	1.1	4
71	Synthesis and Biological Evaluation of New Glycoconjugated LDH Inhibitors as Anticancer Agents. Molecules, 2019, 24, 3520.	1.7	4
72	Developments in Carbohydrate-Based Metzincin Inhibitors. Pharmaceuticals, 2020, 13, 376.	1.7	4

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73	Synthesis of PAMAM Dendrimers Loaded with Mycophenolic Acid to Be Studied as New Potential Immunosuppressants. Journal of Chemistry, 2015, 2015, 1-6.	0.9	3
74	Useful access to enantiomerically pure protected inositols from carbohydrates: the aldohexos-5-uloses route. Beilstein Journal of Organic Chemistry, 2016, 12, 2343-2350.	1.3	3
75	Synthesis and conformational analysis of a simplified inositol-model of the Streptococcus pneumoniae 19F capsular polysaccharide repeating unit. Carbohydrate Research, 2017, 443-444, 29-36.	1.1	3
76	Unexpected Intrinsic Lability of Thiol-Functionalized Carboxylate Imidazolium Ionic Liquids. Molecules, 2019, 24, 3571.	1.7	3
77	A new and efficient entry to d-xylo-hexos-4-ulose and some derivatives thereof through epoxidation of the 3,4-hexeno derivative of diacetone-d-glucose. Carbohydrate Research, 2006, 341, 2498-2506.	1.1	2
78	Design and Synthesis of Ionic Liquidâ€Based Matrix Metalloproteinase Inhibitors (MMPIs): A Simple Approach to Increase Hydrophilicity and to Develop MMPIâ€Coated Gold Nanoparticles. ChemMedChem, 2019, 14, 686-698.	1.6	2
79	Stereoselective synthesis of Î²-d-GlcNAc-(1â†’4)-d-Glc disaccharide starting from lactose. Carbohydrate Research, 2014, 388, 44-49.	1.1	1
80	Selectively Charged and Zwitterionic Analogues of the Smallest Immunogenic Structure of Streptococcus Pneumoniae Type 14. Molecules, 2019, 24, 3414.	1.7	1
81	1-Octyl-3-(3-(1-methylpyrrolidiniumyl)propyl)imidazolium Bis(trifluoromethane)sulfonimide. MolBank, 2019, 2019, M1089.	0.2	1
82	Improvement on the Synthesis of Primary Amino Sugar Derivatives <i>via</i> <i>N</i>-Benzyl Intermediates. International Journal of Organic Chemistry, 2013, 03, 41-48.	0.3	1
83	A New Generation of Glycoconjugated Azo Dyes Based on Aminosugars. International Journal of Carbohydrate Chemistry, 2015, 2015, 1-7.	1.5	0