Alfonso Iadonisi

List of Publications by Year
in descending order

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44 papers	1,090 citations	394421 19 h-index	434195 31 g-index
46 all docs	46 docs citations	46 times ranked	1010 citing authors

#	Article	IF	Citations
1	Facile cleavage of carbohydrate benzyl ethers and benzylidene acetals using the reagent under two-phase conditions. Tetrahedron Letters, 1999, 40, 8439-8441.	1.4	92
2	Novel Approaches for the Synthesis and Activation of Thio- and Selenoglycoside Donors. Journal of Organic Chemistry, 2007, 72, 6097-6106.	3.2	92
3	A review of chemical methods for the selective sulfation and desulfation of polysaccharides. Carbohydrate Polymers, 2017, 174, 1224-1239.	10.2	89
4	Tin-Mediated Regioselective Benzylation and Allylation of Polyols: Applicability of a Catalytic Approach Under Solvent-Free Conditions. Journal of Organic Chemistry, 2014, 79, 213-222.	3.2	68
5	A Microbiologicalâ€“Chemical Strategy to Produce Chondroitin Sulfate A,C. Angewandte Chemie - International Edition, 2011, 50, 6160-6163.	13.8	60
6	Efficient and direct synthesis of saccharidic 1,2-ethylidenes, orthoesters, and glycals from peracetylated sugars via the in situ generation of glycosyl iodides with I2/Et3SiH. Tetrahedron Letters, 2003, 44, 7863-7866.	1.4	52
7	An easy and efficient approach for the installation of alkoxycarbonyl protecting groups on carbohydrate hydroxyls. Tetrahedron Letters, 2000, 41, 9305-9309.	1.4	38
8	An approach to the highly stereocontrolled synthesis of Î±-glycosides. Compatible use of the very acid labile dimethoxytrityl protecting group with Yb(OTf)3-promoted glycosidation. Tetrahedron Letters, 2003, 44, 6479-6482.	1.4	37
9	Chemical Fucosylation of a Polysaccharide: A Semisynthetic Access to Fucosylated Chondroitin Sulfate. Biomacromolecules, 2015, 16, 2237-2245.	5.4	37
10	A straightforward synthetic access to symmetrical glycosyl disulfides and biological evaluation thereof. Organic and Biomolecular Chemistry, 2011, 9, 6278.	2.8	35
11	Chemical Derivatization of Sulfated Glycosaminoglycans. European Journal of Organic Chemistry, 2016, 2016, 3018-3042.	2.4	33
12	Development of Semisynthetic, Regioselective Pathways for Accessing the Missing Sulfation Patterns of Chondroitin Sulfate. Biomacromolecules, 2019, 20, 3021-3030.	5.4	27
13	The behaviour of deoxyhexose trihaloacetimidates in selected glycosylations. Carbohydrate Research, 2007, 342, 1021-1029.	2.3	24
14	A practical approach to regioselective O-benzylation of primary positions of polyols. Tetrahedron Letters, 2013, 54, 1550-1552.	1.4	24
15	A Modular Approach to a Library of Semiâ€Synthetic Fucosylated Chondroitin Sulfate Polysaccharides with Different Sulfation and Fucosylation Patterns. Chemistry - A European Journal, 2016, 22, 18215-18226.	3.3	24
16	Mild benzhydrylation and tritylation of saccharidic hydroxyls promoted by acid washed molecular sieves. Tetrahedron Letters, 2003, 44, 3733-3735.	1.4	22
17	Three Solventâ€Free Catalytic Approaches to the Acetal Functionalization of Carbohydrates and Their Applicability to Oneâ€Pot Generation of Orthogonally Protected Building Blocks. Advanced Synthesis and Catalysis, 2015, 357, 3562-3572.	4.3	21
18	C-Glycosylation in platinum-based agents: a viable strategy to improve cytotoxicity and selectivity. Inorganic Chemistry Frontiers, 2018, 5, 2921-2933.	6.0	20

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19	Oneâ€Pot Catalytic Glycosidation/Fmoc Removal â€“ An Iterable Sequence for Straightforward Assembly of Oligosaccharides Related to HIV gp120. European Journal of Organic Chemistry, 2010, 2010, 711-718.	2.4	19
20	Polymethylhydrosiloxane (PMHS): A Convenient Option for Synthetic Applications of the Iodine/Silane Combined Reagent â€“ Straightforward Entries to 2â€Hydroxyglycals and Useful Buildingâ€Blocks of Glucuronic Acid and Glucosamine. European Journal of Organic Chemistry, 2013, 2013, 125-131.	2.4	19
21	Structural Determination of the O-Chain Polysaccharide from the Lipopolysaccharide of the HaloalkaliphilicHalomonas pantelleriensis Bacterium. European Journal of Organic Chemistry, 2006, 2006, 1801-1808.	2.4	18
22	Orthogonal protection of saccharide polyols through solvent-free one-pot sequences based on regioselective silylations. Beilstein Journal of Organic Chemistry, 2016, 12, 2748-2756.	2.2	18
23	BiBr₃â€Promoted Activation of Peracetylated Glycosyl Iodides: Straightforward Access to Synthetically Useful 2â€Oâ€Deprotected Allyl Glycosides. European Journal of Organic Chemistry, 2008, 2008, 6206-6212.	2.4	16
24	Solvent-free synthesis of glycosyl chlorides based on the triphenyl phosphine/hexachloroacetone system. Tetrahedron Letters, 2017, 58, 1762-1764.	1.4	15
25	Decoration of Chondroitin Polysaccharide with Threonine: Synthesis, Conformational Study, and Ice-Recrystallization Inhibition Activity. Biomacromolecules, 2017, 18, 2267-2276.	5.4	14
26	A Study for the Access to a Semi-synthetic Regioisomer of Natural Fucosylated Chondroitin Sulfate with Fucosyl Branches on N-acetyl-Galactosamine Units. Marine Drugs, 2019, 17, 655.	4.6	13
27	A Semisynthetic Approach to New Immunoadjuvant Candidates: Siteâ€Selective Chemical Manipulation of Escherichia coli Monophosphoryl Lipidâ€…A. Chemistry - A European Journal, 2016, 22, 11053-11063.	3.3	12
28	Development of Clickable Monophosphoryl Lipid A Derivatives toward Semisynthetic Conjugates with Tumor-Associated Carbohydrate Antigens. Journal of Medicinal Chemistry, 2017, 60, 9757-9768.	6.4	12
29	The I2/Et3SiH system: A versatile combination with multiple applications in carbohydrate chemistry. Pure and Applied Chemistry, 2011, 84, 1-10.	1.9	11
30	One-pot synthesis of orthogonally protected sugars through sequential base-promoted/acid-catalyzed steps: A solvent-free approach with self-generation of a catalytic species. Tetrahedron Letters, 2019, 60, 1777-1780.	1.4	11
31	Solvent-Free Approaches in Carbohydrate Synthetic Chemistry: Role of Catalysis in Reactivity and Selectivity. Catalysts, 2020, 10, 1142.	3.5	11
32	A selective and operationally simple approach for removal of methoxy-, allyloxy-, and benzyloxycarbonyl groups from carbinols. Tetrahedron Letters, 2009, 50, 7051-7054.	1.4	10
33	Solventâ€Free Conversion of Alcohols to Alkyl Iodides and Oneâ€Pot Elaborations Thereof. ChemistrySelect, 2018, 3, 1616-1622.	1.5	10
34	Synthesis of diglycosylated (di)sulfides and comparative evaluation of their antiproliferative effect against tumor cell lines: A focus on the nature of sugar-recognizing mediators involved. Carbohydrate Research, 2019, 482, 107740.	2.3	10
35	Solvent-free, under air selective synthesis of Î±-glycosides adopting glycosyl chlorides as donors. Organic and Biomolecular Chemistry, 2020, 18, 5157-5163.	2.8	10
36	(Semi)-Synthetic Fucosylated Chondroitin Sulfate Oligo- and Polysaccharides. Marine Drugs, 2020, 18, 293.	4.6	10

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37	Switchable synthesis of glycosyl selenides or diselenides with direct use of selenium as the selenating agent. Organic Chemistry Frontiers, 2021, 8, 1823-1829.	4.5	10
38	Solvent-Free One-Pot Diversified Protection of Saccharide Polyols Via Regioselective Tritylations. ChemistrySelect, 2017, 2, 4906-4911.	1.5	8
39	Synthesis of the tetrasaccharide repeating unit of the cryoprotectant capsular polysaccharide from Colwellia psychrerythraea 34H. Organic and Biomolecular Chemistry, 2019, 17, 3129-3140.	2.8	7
40	Design, Synthesis, and Anticancer Activity of a Selenium-Containing Galectin-3 and Galectin-9N Inhibitor. International Journal of Molecular Sciences, 2022, 23, 2581.	4.1	7
41	Solventâ€Free Glycosylation from perâ€Oâ€Acylated Donors Catalyzed by Methanesulfonic Acid. European Journal of Organic Chemistry, 2021, 2021, 5669-5676.	2.4	6
42	Semisynthetic Isomers of Fucosylated Chondroitin Sulfate Polysaccharides with Fucosyl Branches at a Non-Natural Site. Biomacromolecules, 2021, 22, 5151-5161.	5.4	5
43	Catalytic, Regioselective Sulfonylation of Carbohydrates with Dibutyltin Oxide under Solvent-Free Conditions. Catalysts, 2021, 11, 202.	3.5	4
44	Microbiological-Chemical Sourced Chondroitin Sulfates Protect Neuroblastoma SH-SY5Y Cells against Oxidative Stress and Are Suitable for Hydrogel-Based Controlled Release. Antioxidants, 2021, 10, 1816.	5.1	3