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	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
2	Catalytic, Regioselective Sulfonylation of Carbohydrates with Dibutyltin Oxide under Solvent-Free Conditions. Catalysts, 2021, 11, 202.	3.5	4
3	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
4	Solventâ€Free Glycosylation from perâ€Oâ€Acylated Donors Catalyzed by Methanesulfonic Acid. European Journal of Organic Chemistry, 2021, 2021, 5669-5676.	2.4	6
5	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
6	Semisynthetic Isomers of Fucosylated Chondroitin Sulfate Polysaccharides with Fucosyl Branches at a Non-Natural Site. Biomacromolecules, 2021, 22, 5151-5161.	5.4	5
7	Solvent-Free Approaches in Carbohydrate Synthetic Chemistry: Role of Catalysis in Reactivity and Selectivity. Catalysts, 2020, 10, 1142.	3.5	11
8	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
9	(Semi)-Synthetic Fucosylated Chondroitin Sulfate Oligo- and Polysaccharides. Marine Drugs, 2020, 18, 293.	4.6	10
10	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
11	Development of Semisynthetic, Regioselective Pathways for Accessing the Missing Sulfation Patterns of Chondroitin Sulfate. Biomacromolecules, 2019, 20, 3021-3030.	5.4	27
12	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
13	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
14	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
15	Solventâ€Free Conversion of Alcohols to Alkyl Iodides and Oneâ€Pot Elaborations Thereof. ChemistrySelect, 2018, 3, 1616-1622.	1.5	10
16	C-Glycosylation in platinum-based agents: a viable strategy to improve cytotoxicity and selectivity. Inorganic Chemistry Frontiers, 2018, 5, 2921-2933.	6.0	20
17	Solvent-Free One-Pot Diversified Protection of Saccharide Polyols Via Regioselective Tritylations. ChemistrySelect, 2017, 2, 4906-4911.	1.5	8
18	Solvent-free synthesis of glycosyl chlorides based on the triphenyl phosphine/hexachloroacetone system. Tetrahedron Letters, 2017, 58, 1762-1764.	1.4	15

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19	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
20	A review of chemical methods for the selective sulfation and desulfation of polysaccharides. Carbohydrate Polymers, 2017, 174, 1224-1239.	10.2	89
21	Decoration of Chondroitin Polysaccharide with Threonine: Synthesis, Conformational Study, and Ice-Recrystallization Inhibition Activity. Biomacromolecules, 2017, 18, 2267-2276.	5.4	14
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	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
24	Chemical Derivatization of Sulfated Glycosaminoglycans. European Journal of Organic Chemistry, 2016, 2016, 3018-3042.	2.4	33
25	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
26	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
27	Chemical Fucosylation of a Polysaccharide: A Semisynthetic Access to Fucosylated Chondroitin Sulfate. Biomacromolecules, 2015, 16, 2237-2245.	5.4	37
28	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
29	A practical approach to regioselective O-benzylation of primary positions of polyols. Tetrahedron Letters, 2013, 54, 1550-1552.	1.4	24
30	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
31	The I2/Et3SiH system: A versatile combination with multiple applications in carbohydrate chemistry. Pure and Applied Chemistry, 2011, 84, 1-10.	1.9	11
32	A straightforward synthetic access to symmetrical glycosyl disulfides and biological evaluation thereof. Organic and Biomolecular Chemistry, 2011, 9, 6278.	2.8	35
33	A Microbiologicalâ€“Chemical Strategy to Produce Chondroitin Sulfate A,C. Angewandte Chemie - International Edition, 2011, 50, 6160-6163.	13.8	60
34	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
35	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
36	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

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37	Novel Approaches for the Synthesis and Activation of Thio- and Selenoglycoside Donors. Journal of Organic Chemistry, 2007, 72, 6097-6106.	3.2	92
38	The behaviour of deoxyhexose trihaloacetimidates in selected glycosylations. Carbohydrate Research, 2007, 342, 1021-1029.	2.3	24
39	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
40	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
41	Mild benzhydrylation and tritylation of saccharidic hydroxyls promoted by acid washed molecular sieves. Tetrahedron Letters, 2003, 44, 3733-3735.	1.4	22
42	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
43	An easy and efficient approach for the installation of alkoxycarbonyl protecting groups on carbohydrate hydroxyls. Tetrahedron Letters, 2000, 41, 9305-9309.	1.4	38
44	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