Sara Sattin

List of Publications by Year
in descending order

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36 papers	1,254 citations	471509 17 h-index	395702 33 g-index
37 all docs	37 docs citations	37 times ranked	1883 citing authors

#	Article	IF	Citations
1	Giant regular polyhedra from calixarene carboxylates and uranyl. Nature Communications, 2012, 3, 785.	12.8	191
2	DC/L-SIGN recognition of spike glycoprotein promotes SARS-CoV-2 trans-infection and can be inhibited by a glycomimetic antagonist. PLoS Pathogens, 2021, 17, e1009576.	4.7	133
3	Inhibition of DC-SIGN-Mediated HIV Infection by a Linear Trimannoside Mimic in a Tetravalent Presentation. ACS Chemical Biology, 2010, 5, 301-312.	3.4	115
4	Pseudosaccharide Functionalized Dendrimers as Potent Inhibitors of DC-SIGN Dependent Ebola Pseudotyped Viral Infection. Bioconjugate Chemistry, 2011, 22, 1354-1365.	3.6	82
5	Structure of a Glycomimetic Ligand in the Carbohydrate Recognition Domain of C-type Lectin DC-SIGN. Structural Requirements for Selectivity and Ligand Design. Journal of the American Chemical Society, 2013, 135, 2518-2529.	13.7	75
6	1,2-Mannobioside Mimic: Synthesis, DC-SIGN Interaction by NMR and Docking, and Antiviral Activity. ChemMedChem, 2007, 2, 1030-1036.	3.2	73
7	Molecular Dynamics Simulations Reveal the Mechanisms of Allosteric Activation of Hsp90 by Designed Ligands. Scientific Reports, 2016, 6, 23830.	3.3	71
8	Activation of Hsp90 Enzymatic Activity and Conformational Dynamics through Rationally Designed Allosteric Ligands. Chemistry - A European Journal, 2015, 21, 13598-13608.	3.3	65
9	Glycoconjugates and Glycomimetics as Microbial Anti-Adhesives. Trends in Biotechnology, 2016, 34, 483-495.	9.3	59
10	Chaperones rescue the energetic landscape of mutant CFTR at single molecule and in cell. Nature Communications, 2017, 8, 398.	12.8	57
11	Unique DC-SIGN Clustering Activity of a Small Glycomimetic: A Lesson for Ligand Design. ACS Chemical Biology, 2014, 9, 1377-1385.	3.4	47
12	Design of Allosteric Stimulators of the Hsp90 ATPase as New Anticancer Leads. Chemistry - A European Journal, 2017, 23, 5188-5192.	3.3	33
13	Design, synthesis and activity evaluation of mannose-based DC-SIGN antagonists. Molecular Diversity, 2011, 15, 347-360.	3.9	29
14	Pseudo-Mannosylated DC-SIGN Ligands as Potential Adjuvants for HIV Vaccines. Viruses, 2014, 6, 391-403.	3.3	25
15	The small RNA ReaL: a novel regulatory element embedded in the Pseudomonas aeruginosa quorum sensing networks. Environmental Microbiology, 2017, 19, 4220-4237.	3.8	25
16	Enhancing Potency and Selectivity of a DCâ€SIGN Glycomimetic Ligand by Fragmentâ€Based Design: Structural Basis. Chemistry - A European Journal, 2019, 25, 14659-14668.	3.3	25
17	Detection and quantitative analysis of two independent binding modes of a small ligand responsible for DC-SIGN clustering. Organic and Biomolecular Chemistry, 2016, 14, 335-344.	2.8	18
18	Synthesis of Functionalized 2â€(4â€Hydroxyphenyl)â€3â€methylbenzofuran Allosteric Modulators of Hsp90 Activity. European Journal of Organic Chemistry, 2016, 2016, 3349-3364.	2.4	17

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19	Stereoselective innovative synthesis and biological evaluation of new real carba analogues of minimal epitope ManÎ±(1,2)Man as DC-SIGN inhibitors. RSC Advances, 2016, 6, 89578-89584.	3.6	16
20	Synthesis of potential allosteric modulators of Hsp90 by chemical glycosylation of Eupomatenoid-6. Carbohydrate Research, 2014, 390, 33-41.	2.3	12
21	Facile access to pseudo-thio-1,2-dimannoside, a new glycomimetic DC-SIGN antagonist. Bioorganic and Medicinal Chemistry, 2017, 25, 5142-5147.	3.0	12
22	Interfering with the Sugar Code: Ten Years Later. European Journal of Organic Chemistry, 2020, 2020, 4652-4663.	2.4	12
23	Linear biocompatible glyco-polyamidoamines as dual action mode virus infection inhibitors with potential as broad-spectrum microbicides for sexually transmitted diseases. Scientific Reports, 2016, 6, 33393.	3.3	10
24	Behavior of glycolylated sialoglycans in the binding pockets of murine and human CD22. IScience, 2021, 24, 101998.	4.1	8
25	Design and synthesis of glycomimetics. Carbohydrate Chemistry, 0, , 1-25.	0.3	8
26	Scaffold Optimisation of Tetravalent Antagonists of the Mannose Binding Lectin. Chemistry - A European Journal, 2016, 22, 3686-3691.	3.3	7
27	An assay for functional dendritic cell-specific ICAM-3-grabbing nonintegrin (DCâ€“SIGN) inhibitors of human dendritic cell adhesion. Analytical Biochemistry, 2010, 406, 222-229.	2.4	6
28	Optimised Synthesis of the Bacterial Magic Spot (p)ppGpp Chemosensor PyDPA. ChemBioChem, 2019, 20, 1717-1721.	2.6	5
29	A phenol sandwich fights diabetes. Nature Chemical Biology, 2015, 11, 635-636.	8.0	4
30	Homology Model of a Catalytically Competent Bifunctional Rel Protein. Frontiers in Molecular Biosciences, 2021, 8, 628596.	3.5	3
31	Conformationally Constrained Sialyl Analogues as New Potential Binders of hâ€CD22. ChemBioChem, 2022, 23, .	2.6	3
32	New Chemotypes for the Inhibition of (p)ppGpp Synthesis in the Quest for New Antimicrobial Compounds. Molecules, 2022, 27, 3097.	3.8	3
33	DC-SIGN as a Target for Drug Development Based on Carbohydrates. , 2015, , 379-394.		2
34	Chemical and Biophysical Approaches to Allosteric Modulation. European Journal of Organic Chemistry, 2021, 2021, 4245-4259.	2.4	2
35	Analysis of Hsp90 allosteric modulators interactome reveals a potential dual action mode involving mitochondrial MDH2. Bioorganic Chemistry, 2021, 115, 105258.	4.1	1
36	When the Others Become Us: A Chemistâ€™s Perspective of the COVID-19 Outbreak in Italy. ACS Chemical Biology, 2020, 15, 1279-1281.	3.4	0