

Fabrizio Chiodo

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,613
citations

279701

23
h-index

302012

39
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47
all docs

47
docs citations

47
times ranked

2664
citing authors

#	ARTICLE	IF	CITATIONS
1	Glyconanoparticles as multifunctional and multimodal carbohydrate systems. <i>Chemical Society Reviews</i> , 2013, 42, 4728.	18.7	280
2	Gold nanoparticles as carriers for a synthetic <i>Streptococcus pneumoniae</i> type 14 conjugate vaccine. <i>Nanomedicine</i> , 2012, 7, 651-662.	1.7	158
3	Multivalent glycopeptide dendrimers for the targeted delivery of antigens to dendritic cells. <i>Molecular Immunology</i> , 2013, 53, 387-397.	1.0	96
4	Gold Nanoparticles Coated with Oligomannosides of HIV-1 Glycoprotein gp120 Mimic the Carbohydrate Epitope of Antibody 2G12. <i>Journal of Molecular Biology</i> , 2011, 410, 798-810.	2.0	72
5	Chemical synthesis of glycans up to a 128-mer relevant to the O-antigen of <i>Bacteroides vulgatus</i> . <i>Nature Communications</i> , 2020, 11, 4142.	5.8	70
6	Glycosystems in nanotechnology: Gold glyconanoparticles as carrier for anti-HIV prodrugs. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1339-1346.	1.3	69
7	SARS-CoV-2 RBD-Tetanus Toxoid Conjugate Vaccine Induces a Strong Neutralizing Immunity in Preclinical Studies. <i>ACS Chemical Biology</i> , 2021, 16, 1223-1233.	1.6	57
8	Galactofuranose-Coated Gold Nanoparticles Elicit a Pro-inflammatory Response in Human Monocyte-Derived Dendritic Cells and Are Recognized by DC-SIGN. <i>ACS Chemical Biology</i> , 2014, 9, 383-389.	1.6	56
9	Pairing <i>Bacteroides vulgatus</i> LPS Structure with Its Immunomodulatory Effects on Human Cellular Models. <i>ACS Central Science</i> , 2020, 6, 1602-1616.	5.3	55
10	Synthetic, Zwitterionic Sp1 Oligosaccharides Adopt a Helical Structure Crucial for Antibody Interaction. <i>ACS Central Science</i> , 2019, 5, 1407-1416.	5.3	52
11	Effective Targeting of DC-SIGN by α -Fucosylamide Functionalized Gold Nanoparticles. <i>Bioconjugate Chemistry</i> , 2014, 25, 2244-2251.	1.8	50
12	Molecular Aspects Concerning the Use of the SARS-CoV-2 Receptor Binding Domain as a Target for Preventive Vaccines. <i>ACS Central Science</i> , 2021, 7, 757-767.	5.3	46
13	Structural Characterization of Biofunctionalized Gold Nanoparticles by Ultrahigh-Resolution Mass Spectrometry. <i>ACS Nano</i> , 2017, 11, 8257-8264.	7.3	45
14	Loading dendritic cells with gold nanoparticles (GNPs) bearing HIV-peptides and mannosides enhance HIV-specific T cell responses. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 339-351.	1.7	42
15	Recent advances on smart glycoconjugate vaccines in infections and cancer. <i>FEBS Journal</i> , 2022, 289, 4251-4303.	2.2	39
16	Biocompatible single-chain polymer nanoparticles loaded with an antigen mimetic as potential anticancer vaccine. <i>ACS Macro Letters</i> , 2018, 7, 196-200.	2.3	35
17	The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectin-1. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18697-18702.	7.2	29
18	Self-Adjuvanting Cancer Vaccines from Conjugation-Ready Lipid A Analogues and Synthetic Long Peptides. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 11691-11706.	2.9	28

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19	Gold manno-Glyconanoparticles for Intervening in HIV gp120 Carbohydrate-Mediated Processes. <i>Methods in Enzymology</i> , 2012, 509, 21-40.	0.4	27
20	High Sensitive Detection of Carbohydrate Binding Proteins in an ELISA-Solid Phase Assay Based on Multivalent Glyconanoparticles. <i>PLoS ONE</i> , 2013, 8, e73027.	1.1	26
21	Assembling different antennas of the gp120 high mannose-type glycans on gold nanoparticles provides superior binding to the anti-HIV antibody 2G12 than the individual antennas. <i>Carbohydrate Research</i> , 2015, 405, 102-109.	1.1	26
22	Carbohydrate-based adjuvants. <i>Drug Discovery Today: Technologies</i> , 2020, 35-36, 57-68.	4.0	24
23	Unveiling Molecular Recognition of Sialoglycans by Human Siglec-10. <i>IScience</i> , 2020, 23, 101231.	1.9	24
24	A Quantitative Study of the Intracellular Dynamics of Fluorescently Labelled Glyco-Gold Nanoparticles via Fluorescence Correlation Spectroscopy. <i>Small</i> , 2014, 10, 2602-2610.	5.2	23
25	Emerging glyco-based strategies to steer immune responses. <i>FEBS Journal</i> , 2021, 288, 4746-4772.	2.2	22
26	Analysis of Synthetic Monodisperse Polysaccharides by Wide Mass Range Ultrahigh-Resolution MALDI Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 4666-4675.	3.2	19
27	A COVID-19 vaccine candidate composed of the SARS-CoV-2 RBD dimer and <i>Neisseria meningitidis</i> outer membrane vesicles. <i>RSC Chemical Biology</i> , 2022, 3, 242-249.	2.0	15
28	STD NMR Study of the Interactions between Antibody 2G12 and Synthetic Oligomannosides that Mimic Selected Branches of gp120 Glycans. <i>ChemBioChem</i> , 2012, 13, 1357-1365.	1.3	12
29	Synthesis and evaluation of fluorescent Pam3Cys peptide conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3641-3645.	1.0	12
30	Enhanced glycan nanoprofiling by weak anion exchange preparative chromatography, mild acid desialylation, and nanoliquid chromatography-mass spectrometry with nanofluorescence detection. <i>Electrophoresis</i> , 2013, 34, 2350-2356.	1.3	11
31	Combining cross-coupling reaction and Knoevenagel condensation in the synthesis of glyco-BODIPY probes for DC-SIGN super-resolution bioimaging. <i>Bioorganic Chemistry</i> , 2021, 109, 104730.	2.0	10
32	Chemically engineered glycan-modified cancer vaccines to mobilize skin dendritic cells. <i>Current Opinion in Chemical Biology</i> , 2019, 53, 167-172.	2.8	9
33	Glycan Array Evaluation of Synthetic Epitopes between the Capsular Polysaccharides from <i>Streptococcus pneumoniae</i> 19F and 19A. <i>ACS Chemical Biology</i> , 2021, 16, 1671-1679.	1.6	8
34	Gold Nanoparticles as Carriers for Synthetic Glycoconjugate Vaccines. <i>Methods in Molecular Biology</i> , 2015, 1331, 159-171.	0.4	4
35	Synthesis of Asparagine Derivatives Harboring a Lewis X Type DC-SIGN Ligand and Evaluation of their Impact on Immunomodulation in Multiple Sclerosis. <i>Chemistry - A European Journal</i> , 2021, 27, 2742-2752.	1.7	3
36	Glyconanotechnology and Disease: Gold Nanoparticles Coated with Glycosides as Multivalent Systems for Potential Applications in Diagnostics and Therapy. <i>RSC Drug Discovery Series</i> , 2015, , 89-131.	0.2	2

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37	The Core Fucose on an IgG Antibody is an Endogenous Ligand of Dectin-1. <i>Angewandte Chemie</i> , 2019, 131, 18870-18875.	1.6	2
38	Human C-Type Lectins, MGL, DC-SIGN and Langerin, Their Interactions With Endogenous and Exogenous Ligand Patterns. , 2021, , 425-441.		1
39	Synthesis and Antibody Binding Studies of Schistosome-Derived Oligo-(1-2)-l-Fucosides. <i>Molecules</i> , 2021, 26, 2246.	1.7	1
40	Glycoliposomes and Metallic Glyconanoparticles in Glycoscience. , 2012, , 164-202.		1
41	Unveiling Molecular Recognition of Sialoglycans by Human Siglec-10. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
42	Rhamnose-based glycomimetic for recruitment of endogenous anti-rhamnose antibodies. <i>Tetrahedron Letters</i> , 2022, , 153843.	0.7	0
43	Editorial: The Role of Glycans in Infectious Disease. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	0