

# Marco Marradi

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7579127/marco-marradi-publications-by-citations.pdf>

**Version:** 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68  
papers

2,790  
citations

27  
h-index

52  
g-index

80  
ext. papers

3,089  
ext. citations

6  
avg. IF

4.82  
L-index

#	Paper	IF	Citations
68	Multivalent glycoconjugates as anti-pathogenic agents. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 4709-27	58.5	399
67	Glyconanoparticles as multifunctional and multimodal carbohydrate systems. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 4728-45	58.5	247
66	Gold manno-glyconanoparticles: multivalent systems to block HIV-1 gp120 binding to the lectin DC-SIGN. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 9874-88	4.8	153
65	Gold nanoparticles as carriers for a synthetic Streptococcus pneumoniae type 14 conjugate vaccine. <i>Nanomedicine</i> , <b>2012</b> , 7, 651-62	5.6	133
64	Nucleophilic Additions to Cyclic Nitrones en Route to Iminocyclitols □ Total Syntheses of DMDP, 6-deoxy-DMDP, DAB-1, CYB-3, Nectrisine, and Radicamine B. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 2929-2947	3.2	114
63	Gold nanoparticles capped with sulfate-ended ligands as anti-HIV agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 2718-21	2.9	113
62	Multivalent manno-glyconanoparticles inhibit DC-SIGN-mediated HIV-1 trans-infection of human T cells. <i>ChemBioChem</i> , <b>2009</b> , 10, 1806-9	3.8	105
61	Manganese dioxide oxidation of hydroxylamines to nitrones. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 6503-6505	2	101
60	Glyconanoparticles polyvalent tools to study carbohydrate-based interactions. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , <b>2010</b> , 64, 211-90	3.7	79
59	Glyconanoparticles: multifunctional nanomaterials for biomedical applications. <i>Nanomedicine</i> , <b>2010</b> , 5, 777-92	5.6	73
58	Paramagnetic Gd-based gold glyconanoparticles as probes for MRI: tuning relaxivities with sugars. <i>Chemical Communications</i> , <b>2009</b> , 3922-4	5.8	72
57	Multivalent gold glycoclusters: high affinity molecular recognition by bacterial lectin PA-IL. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 4264-73	4.8	70
56	Gold nanoparticles coated with oligomannosides of HIV-1 glycoprotein gp120 mimic the carbohydrate epitope of antibody 2G12. <i>Journal of Molecular Biology</i> , <b>2011</b> , 410, 798-810	6.5	69
55	One-pot synthesis of cyclic nitrones and their conversion to pyrrolizidines: 7a-epi-crotanecine inhibits alpha-mannosidases. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 1614-9	4.2	66
54	A gold glyco-nanoparticle carrying a Listeriolysin O peptide and formulated with Advax□delta inulin adjuvant induces robust T-cell protection against listeria infection. <i>Vaccine</i> , <b>2015</b> , 33, 1465-73	4.1	62
53	Glycosystems in nanotechnology: Gold glyconanoparticles as carrier for anti-HIV prodrugs. <i>Beilstein Journal of Organic Chemistry</i> , <b>2014</b> , 10, 1339-46	2.5	58
52	Preparation and immunogenicity of gold glyco-nanoparticles as antipneumococcal vaccine model. <i>Nanomedicine</i> , <b>2017</b> , 12, 13-23	5.6	57

51	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> , <b>2014</b> , 9, 383-9	4.9	47
50	A solution NMR study of the interactions of oligomannosides and the anti-HIV-1 2G12 antibody reveals distinct binding modes for branched ligands. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 1547-60	4.8	42
49	Sugar/gadolinium-loaded gold nanoparticles for labelling and imaging cells by magnetic resonance imaging. <i>Biomaterials Science</i> , <b>2013</b> , 1, 658-668	7.4	41
48	Straightforward synthesis of enantiopure 2-aminomethyl and 2-hydroxymethyl pyrrolidines with complete stereocontrol. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 1287-1290	2	41
47	Functional Single-Chain Polymer Nanoparticles: Targeting and Imaging Pancreatic Tumors in Vivo. <i>Biomacromolecules</i> , <b>2016</b> , 17, 3213-3221	6.9	35
46	Preparation of N-Glycosylhydroxylamines and Their Oxidation to Nitrones for the Enantioselective Synthesis of Isoxazolidines. <i>European Journal of Organic Chemistry</i> , <b>2003</b> , 2003, 4152-4161	3.2	32
45	Double addition of grignard reagents to N-glycosyl nitrones: a new tool for the construction of enantiopure azaheterocycles. <i>Organic Letters</i> , <b>2005</b> , 7, 319-22	6.2	30
44	Visualisation of dual radiolabelled poly(lactide-co-glycolide) nanoparticle degradation in vivo using energy-discriminant SPECT. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 6293-6300	7.3	28
43	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> , <b>2018</b> , 14, 339-351	6	28
42	Antimicrobial Peptide-Loaded Nanoparticles as Inhalation Therapy for Infections. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 1117-1128	7.3	27
41	Synthesis and functionalization of dextran-based single-chain nanoparticles in aqueous media. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 1143-1147	7.3	24
40	Biocompatible single-chain polymer nanoparticles loaded with an antigen mimetic as potential anticancer vaccine. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 196-200	6.6	24
39	Low-generation dendrimers with a calixarene core and based on a chiral C(2)-symmetric pyrrolidine as iminosugar mimics. <i>Beilstein Journal of Organic Chemistry</i> , <b>2012</b> , 8, 951-7	2.5	24
38	A quantitative study of the intracellular dynamics of fluorescently labelled glyco-gold nanoparticles via fluorescence correlation spectroscopy. <i>Small</i> , <b>2014</b> , 10, 2602-10	11	22
37	Gold manno-glyconanoparticles for intervening in HIV gp120 carbohydrate-mediated processes. <i>Methods in Enzymology</i> , <b>2012</b> , 509, 21-40	1.7	22
36	New Highly Strained Multifunctional Heterocycles by Intramolecular Cycloadditions of Nitrones to Bicyclopropylidene Moieties. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 5485-5494	3.2	22
35	Gold glyconanoparticles coupled to listeriolysin O 91-99 peptide serve as adjuvant therapy against melanoma. <i>Nanoscale</i> , <b>2017</b> , 9, 10721-10732	7.7	21
34	High sensitive detection of carbohydrate binding proteins in an ELISA-solid phase assay based on multivalent glyconanoparticles. <i>PLoS ONE</i> , <b>2013</b> , 8, e73027	3.7	21

33	Pregnancy Vaccination with Gold Glyco-Nanoparticles Carrying <i>Listeria monocytogenes</i> Peptides Protects against Listeriosis and Brain- and Cutaneous-Associated Morbidities. <i>Nanomaterials</i> , <b>2016</b> , 6,	5.4	21
32	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> , <b>2015</b> , 405, 102-9	2.9	20
31	Carbohydrate-based nanoparticles for potential applications in medicine. <i>Progress in Molecular Biology and Translational Science</i> , <b>2011</b> , 104, 141-73	4	19
30	Recent Developments in the Reduction of Oxidative Stress through Antioxidant Polymeric Formulations. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	17
29	Influence of ligand presentation density on the molecular recognition of mannose-functionalised glyconanoparticles by bacterial lectin BC2L-A. <i>Glycoconjugate Journal</i> , <b>2013</b> , 30, 747-57	3	17
28	Practical synthesis of N-alkyl-N-glycosylhydroxylamines, multitolerated precursors of enantiomerically pure nitrones. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 2741-2743	2	17
27	Novel nanoparticle vaccines for Listeriosis. <i>Human Vaccines and Immunotherapeutics</i> , <b>2015</b> , 11, 2501-3	4.4	15
26	A new ex vivo method to evaluate the performance of candidate MRI contrast agents: a proof-of-concept study. <i>Journal of Nanobiotechnology</i> , <b>2014</b> , 12, 12	9.4	14
25	Multimerization of DAB-1 onto Au GNPs affords new potent and selective N-acetylgalactosamine-6-sulfatase (GALNS) inhibitors. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 8604-8612	3.9	14
24	Synthesis of densely functionalized enantiopure indolizidines by ring-closing metathesis (RCM) of hydroxylamines from carbohydrate-derived nitrones. <i>Beilstein Journal of Organic Chemistry</i> , <b>2007</b> , 3, 44	2.5	11
23	Gold nanoparticles are suitable cores for building tunable iminosugar multivalency. <i>RSC Advances</i> , <b>2015</b> , 5, 95817-95822	3.7	10
22	Dissecting the carbohydrate specificity of the anti-HIV-1 2G12 antibody by single-molecule force spectroscopy. <i>Langmuir</i> , <b>2012</b> , 28, 17726-32	4	10
21	STD NMR study of the interactions between antibody 2G12 and synthetic oligomannosides that mimic selected branches of gp120 glycans. <i>ChemBioChem</i> , <b>2012</b> , 13, 1357-65	3.8	10
20	Molybdenum Hexacarbonyl [Mo(CO) <sub>6</sub> ]. <i>Synlett</i> , <b>2005</b> , 2005, 1195-1196	2.2	10
19	In vitro inhalation cytotoxicity testing of therapeutic nanosystems for pulmonary infection. <i>Toxicology in Vitro</i> , <b>2020</b> , 63, 104714	3.6	10
18	GNP-GAPDH nanovaccines prevent neonatal listeriosis by blocking microglial apoptosis and bacterial dissemination. <i>Oncotarget</i> , <b>2017</b> , 8, 53916-53934	3.3	9
17	Recent advances on smart glycoconjugate vaccines in infections and cancer. <i>FEBS Journal</i> , <b>2021</b> ,	5.7	8
16	Pre-clinical development of -based nanovaccines as immunotherapies for solid tumours: insights from melanoma. <i>Oncolmmunology</i> , <b>2019</b> , 8, e1541534	7.2	8

15	Fabrication of hybrid graphene oxide/polyelectrolyte capsules by means of layer-by-layer assembly on erythrocyte cell templates. <i>Beilstein Journal of Nanotechnology</i> , <b>2015</b> , 6, 2310-8	3	7
14	Glyconanoparticles: New Nanomaterials for Biological Applications <b>2010</b> , 213-259		6
13	Emerging glyco-based strategies to steer immune responses. <i>FEBS Journal</i> , <b>2021</b> , 288, 4746-4772	5.7	6
12	N-Glycosylhydroxylamines as Masked Polyhydroxylated Chiral Nitrones in Cycloaddition Reactions: An Access to Pyrrolizidines. <i>Heterocycles</i> , <b>2009</b> , 79, 883	0.8	5
11	Therapeutic Efficacy of Novel Antimicrobial Peptide AA139-Nanomedicines in a Multidrug-Resistant <i>Klebsiella pneumoniae</i> Pneumonia-Septicemia Model in Rats. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2020</b> , 64,	5.9	4
10	Gold Nanoparticles as Carriers for Synthetic Glycoconjugate Vaccines. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1331, 159-71	1.4	3
9	On the Virtue of Indium in Reduction Reactions. A Comparison of Reductions Mediated by Indium and Zinc: Is Indium Metal an Effective Catalyst for Zinc Induced Reductions?. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 1106-1113	2.3	3
8	The B & B approach: Ball-milling conjugation of dextran with phenylboronic acid (PBA)-functionalized BODIPY. <i>Beilstein Journal of Organic Chemistry</i> , <b>2020</b> , 16, 2272-2281	2.5	3
7	In vivo stability of protein coatings on poly lactic co glycolic nanoparticles. <i>MRS Advances</i> , <b>2016</b> , 1, 3767-3773	3.7	2
6	Carbohydrate Functionalized Quantum Dots in Sensing, Imaging and Therapy Applications <b>2021</b> , 433-472		2
5	Chapter 5: Glyconanotechnology and Disease: Gold Nanoparticles Coated with Glycosides as Multivalent Systems for Potential Applications in Diagnostics and Therapy. <i>RSC Drug Discovery Series</i> , <b>2015</b> , 89-131	0.6	1
4	Novel Core-Shell Polyamine Phosphate Nanoparticles Self-Assembled from PEGylated Poly(allylamine hydrochloride) with Low Toxicity and Increased In Vivo Circulation Time. <i>Small</i> , <b>2021</b> , 17, e210221	11	1
3	Interfacial activity of modified dextran polysaccharide to produce enzyme-responsive oil-in-water nanoemulsions. <i>Chemical Communications</i> , <b>2021</b> , 57, 4540-4543	5.8	1
2	Gold Glyconanoparticles Combined with 9199 Peptide of the Bacterial Toxin, Listeriolysin O, Are Efficient Immunotherapies in Experimental Bladder Tumors. <i>Cancers</i> , <b>2022</b> , 14, 2413	6.6	1
1	Novel Core-Shell Polyamine Phosphate Nanoparticles Self-Assembled from PEGylated Poly(allylamine hydrochloride) with Low Toxicity and Increased In Vivo Circulation Time (Small 35/2021). <i>Small</i> , <b>2021</b> , 17, 2170182	11	