Marco Marradi

List of Publications by Year in Descending Order

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	Gold Glyconanoparticles Combined with 91–99 Peptide of the Bacterial Toxin, Listeriolysin O, Are Efficient Immunotherapies in Experimental Bladder Tumors. *Cancers*, **2022**, 14, 2413	6.6	1
67	Emerging glyco-based strategies to steer immune responses. *FEBS Journal*, **2021**, 288, 4746-4772	5.7	6
66	Recent advances on smart glycoconjugate vaccines in infections and cancer. *FEBS Journal*, **2021**,	5.7	8
65	Novel Core-Shell Polyamine Phosphate Nanoparticles Self-Assembled from PEGylated Poly(allylamine hydrochloride) with Low Toxicity and Increased In Vivo Circulation Time. *Small*, **2021**, 17, e2102211	11	1
64	Carbohydrate Functionalized Quantum Dots in Sensing, Imaging and Therapy Applications **2021**, 433-472		2
63	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). *Small*, **2021**, 17, 2170182	11	
62	Interfacial activity of modified dextran polysaccharide to produce enzyme-responsive oil-in-water nanoemulsions. *Chemical Communications*, **2021**, 57, 4540-4543	5.8	1
61	Therapeutic Efficacy of Novel Antimicrobial Peptide AA139-Nanomedicines in a Multidrug-Resistant Klebsiella pneumoniae Pneumonia-Septicemia Model in Rats. *Antimicrobial Agents and Chemotherapy*, **2020**, 64,	5.9	4
60	Antimicrobial Peptide-Loaded Nanoparticles as Inhalation Therapy for Infections. *International Journal of Nanomedicine*, **2020**, 15, 1117-1128	7.3	27
59	In vitro inhalation cytotoxicity testing of therapeutic nanosystems for pulmonary infection. *Toxicology in Vitro*, **2020**, 63, 104714	3.6	10
58	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?. *European Journal of Inorganic Chemistry*, **2020**, 2020, 1106-1113	2.3	3
57	The B & B approach: Ball-milling conjugation of dextran with phenylboronic acid (PBA)-functionalized BODIPY. *Beilstein Journal of Organic Chemistry*, **2020**, 16, 2272-2281	2.5	3
56	Recent Developments in the Reduction of Oxidative Stress through Antioxidant Polymeric Formulations. *Pharmaceutics*, **2019**, 11,	6.4	17
55	Pre-clinical development of -based nanovaccines as immunotherapies for solid tumours: insights from melanoma. *OncoImmunology*, **2019**, 8, e1541534	7.2	8
54	Biocompatible single-chain polymer nanoparticles loaded with an antigen mimetic as potential anticancer vaccine. *ACS Macro Letters*, **2018**, 7, 196-200	6.6	24
53	Loading dendritic cells with gold nanoparticles (GNPs) bearing HIV-peptides and mannosides enhance HIV-specific T cell responses. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2018**, 14, 339-351	6	28
52	Multimerization of DAB-1 onto Au GNPs affords new potent and selective N-acetylgalactosamine-6-sulfatase (GALNS) inhibitors. *Organic and Biomolecular Chemistry*, **2018**, 16, 8604-8612	3.9	14

51	Synthesis and functionalization of dextran-based single-chain nanoparticles in aqueous media. *Journal of Materials Chemistry B*, **2017**, 5, 1143-1147	7.3	24
50	GNP-GAPDH nanovaccines prevent neonatal listeriosis by blocking microglial apoptosis and bacterial dissemination. *Oncotarget*, **2017**, 8, 53916-53934	3.3	9
49	Gold glyconanoparticles coupled to listeriolysin O 91-99 peptide serve as adjuvant therapy against melanoma. *Nanoscale*, **2017**, 9, 10721-10732	7.7	21
48	Preparation and immunogenicity of gold glyco-nanoparticles as antipneumococcal vaccine model. *Nanomedicine*, **2017**, 12, 13-23	5.6	57
47	Pregnancy Vaccination with Gold Glyco-Nanoparticles Carrying Listeria monocytogenes Peptides Protects against Listeriosis and Brain- and Cutaneous-Associated Morbidities. *Nanomaterials*, **2016**, 6,	5.4	21
46	In vivo stability of protein coatings on poly lactic co glycolic nanoparticles. *MRS Advances*, **2016**, 1, 3767-3773	3.7	2
45	Functional Single-Chain Polymer Nanoparticles: Targeting and Imaging Pancreatic Tumors in Vivo. *Biomacromolecules*, **2016**, 17, 3213-3221	6.9	35
44	Visualisation of dual radiolabelled poly(lactide-co-glycolide) nanoparticle degradation in vivo using energy-discriminant SPECT. *Journal of Materials Chemistry B*, **2015**, 3, 6293-6300	7.3	28
43	Chapter 5:Glyconanotechnology and Disease: Gold Nanoparticles Coated with Glycosides as Multivalent Systems for Potential Applications in Diagnostics and Therapy. *RSC Drug Discovery Series*, **2015**, 89-131	0.6	1
42	Gold nanoparticles are suitable cores for building tunable iminosugar multivalency. *RSC Advances*, **2015**, 5, 95817-95822	3.7	10
41	Novel nanoparticle vaccines for Listeriosis. *Human Vaccines and Immunotherapeutics*, **2015**, 11, 2501-3	4.4	15
40	Gold Nanoparticles as Carriers for Synthetic Glycoconjugate Vaccines. *Methods in Molecular Biology*, **2015**, 1331, 159-71	1.4	3
39	Fabrication of hybrid graphene oxide/polyelectrolyte capsules by means of layer-by-layer assembly on erythrocyte cell templates. *Beilstein Journal of Nanotechnology*, **2015**, 6, 2310-8	3	7
38	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. *Carbohydrate Research*, **2015**, 405, 102-9	2.9	20
37	A gold glyco-nanoparticle carrying a Listeriolysin O peptide and formulated with Advax□delta inulin adjuvant induces robust T-cell protection against listeria infection. *Vaccine*, **2015**, 33, 1465-73	4.1	62
36	A new ex vivo method to evaluate the performance of candidate MRI contrast agents: a proof-of-concept study. *Journal of Nanobiotechnology*, **2014**, 12, 12	9.4	14
35	Galactofuranose-coated gold nanoparticles elicit a pro-inflammatory response in human monocyte-derived dendritic cells and are recognized by DC-SIGN. *ACS Chemical Biology*, **2014**, 9, 383-9	4.9	47
34	Glycosystems in nanotechnology: Gold glyconanoparticles as carrier for anti-HIV prodrugs. *Beilstein Journal of Organic Chemistry*, **2014**, 10, 1339-46	2.5	58

33	A quantitative study of the intracellular dynamics of fluorescently labelled glyco-gold nanoparticles via fluorescence correlation spectroscopy. *Small*, **2014**, 10, 2602-10	11	22
32	Multivalent glycoconjugates as anti-pathogenic agents. *Chemical Society Reviews*, **2013**, 42, 4709-27	58.5	399
31	Glyconanoparticles as multifunctional and multimodal carbohydrate systems. *Chemical Society Reviews*, **2013**, 42, 4728-45	58.5	247
30	Sugar/gadolinium-loaded gold nanoparticles for labelling and imaging cells by magnetic resonance imaging. *Biomaterials Science*, **2013**, 1, 658-668	7.4	41
29	Influence of ligand presentation density on the molecular recognition of mannose-functionalised glyconanoparticles by bacterial lectin BC2L-A. *Glycoconjugate Journal*, **2013**, 30, 747-57	3	17
28	High sensitive detection of carbohydrate binding proteins in an ELISA-solid phase assay based on multivalent glyconanoparticles. *PLoS ONE*, **2013**, 8, e73027	3.7	21
27	Low-generation dendrimers with a calixarene core and based on a chiral C(2)-symmetric pyrrolidine as iminosugar mimics. *Beilstein Journal of Organic Chemistry*, **2012**, 8, 951-7	2.5	24
26	Dissecting the carbohydrate specificity of the anti-HIV-1 2G12 antibody by single-molecule force spectroscopy. *Langmuir*, **2012**, 28, 17726-32	4	10
25	Gold manno-glyconanoparticles for intervening in HIV gp120 carbohydrate-mediated processes. *Methods in Enzymology*, **2012**, 509, 21-40	1.7	22
24	Gold nanoparticles as carriers for a synthetic Streptococcus pneumoniae type 14 conjugate vaccine. *Nanomedicine*, **2012**, 7, 651-62	5.6	133
23	STD NMR study of the interactions between antibody 2G12 and synthetic oligomannosides that mimic selected branches of gp120 glycans. *ChemBioChem*, **2012**, 13, 1357-65	3.8	10
22	Multivalent gold glycoclusters: high affinity molecular recognition by bacterial lectin PA-IL. *Chemistry - A European Journal*, **2012**, 18, 4264-73	4.8	70
21	Carbohydrate-based nanoparticles for potential applications in medicine. *Progress in Molecular Biology and Translational Science*, **2011**, 104, 141-73	4	19
20	Gold nanoparticles coated with oligomannosides of HIV-1 glycoprotein gp120 mimic the carbohydrate epitope of antibody 2G12. *Journal of Molecular Biology*, **2011**, 410, 798-810	6.5	69
19	A solution NMR study of the interactions of oligomannosides and the anti-HIV-1 2G12 antibody reveals distinct binding modes for branched ligands. *Chemistry - A European Journal*, **2011**, 17, 1547-60	4.8	42
18	Glyconanoparticles polyvalent tools to study carbohydrate-based interactions. *Advances in Carbohydrate Chemistry and Biochemistry*, **2010**, 64, 211-90	3.7	79
17	Glyconanoparticles: New Nanomaterials for Biological Applications **2010**, 213-259		6
16	Glyconanoparticles: multifunctional nanomaterials for biomedical applications. *Nanomedicine*, **2010** , 5, 777-92	5.6	73

15	Gold nanoparticles capped with sulfate-ended ligands as anti-HIV agents. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 2718-21	2.9	113
14	Gold manno-glyconanoparticles: multivalent systems to block HIV-1 gp120 binding to the lectin DC-SIGN. *Chemistry - A European Journal*, **2009**, 15, 9874-88	4.8	153
13	Multivalent manno-glyconanoparticles inhibit DC-SIGN-mediated HIV-1 trans-infection of human T cells. *ChemBioChem*, **2009**, 10, 1806-9	3.8	105
12	Paramagnetic Gd-based gold glyconanoparticles as probes for MRI: tuning relaxivities with sugars. *Chemical Communications*, **2009**, 3922-4	5.8	72
11	N-Glycosylhydroxylamines as Masked Polyhydroxylated Chiral Nitrones in Cycloaddition Reactions: An Access to Pyrrolizidines. *Heterocycles*, **2009**, 79, 883	0.8	5
10	Nucleophilic Additions to Cyclic Nitrones en Route to Iminocyclitols Total Syntheses of DMDP, 6-deoxy-DMDP, DAB-1, CYB-3, Nectrisine, and Radicamine B. *European Journal of Organic Chemistry*, **2008**, 2008, 2929-2947	3.2	114
9	Synthesis of densely functionalized enantiopure indolizidines by ring-closing metathesis (RCM) of hydroxylamines from carbohydrate-derived nitrones. *Beilstein Journal of Organic Chemistry*, **2007**, 3, 44	2.5	11
8	New Highly Strained Multifunctional Heterocycles by Intramolecular Cycloadditions of Nitrones to Bicyclopropylidene Moieties. *European Journal of Organic Chemistry*, **2006**, 2006, 5485-5494	3.2	22
7	One-pot synthesis of cyclic nitrones and their conversion to pyrrolizidines: 7a-epi-crotanecine inhibits alpha-mannosidases. *Journal of Organic Chemistry*, **2006**, 71, 1614-9	4.2	66
6	Double addition of grignard reagents to N-glycosyl nitrones: a new tool for the construction of enantiopure azaheterocycles. *Organic Letters*, **2005**, 7, 319-22	6.2	30
5	Straightforward synthesis of enantiopure 2-aminomethyl and 2-hydroxymethyl pyrrolidines with complete stereocontrol. *Tetrahedron Letters*, **2005**, 46, 1287-1290	2	41
4	Molybdenum Hexacarbonyl [Mo(CO)6]. *Synlett*, **2005**, 2005, 1195-1196	2.2	10
3	Preparation of N-Glycosylhydroxylamines and Their Oxidation to Nitrones for the Enantioselective Synthesis of Isoxazolidines. *European Journal of Organic Chemistry*, **2003**, 2003, 4152-4161	3.2	32
2	Practical synthesis of N-alkyl-N-glycosylhydroxylamines, multitalented precursors of enantiomerically pure nitrones. *Tetrahedron Letters*, **2002**, 43, 2741-2743	2	17
1	Manganese dioxide oxidation of hydroxylamines to nitrones. *Tetrahedron Letters*, **2001**, 42, 6503-6505	2	101