Marco Marradi

List of Publications by Year
in descending order

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72	3,369	172443	144002
papers	citations	29 h-index	57 g-index

80	80	80	4232
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multivalent glycoconjugates as anti-pathogenic agents. Chemical Society Reviews, 2013, 42, 4709-4727.	38.1	464
2	Glyconanoparticles as multifunctional and multimodal carbohydrate systems. Chemical Society Reviews, 2013, 42, 4728.	38.1	280
3	Gold Mannoâ€Glyconanoparticles: Multivalent Systems to Block HIVâ€1 gp120 Binding to the Lectin DCâ€SIGN. Chemistry - A European Journal, 2009, 15, 9874-9888.	3.3	165
4	Gold nanoparticles as carriers for a syntheticStreptococcus pneumoniaetype 14 conjugate vaccine. Nanomedicine, 2012, 7, 651-662.	3.3	158
5	Gold nanoparticles capped with sulfate-ended ligands as anti-HIV agents. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2718-2721.	2.2	135
6	Nucleophilic Additions to Cyclic Nitrones en Route to Iminocyclitols â€“ Total Syntheses of DMDP, 6â€deoxyâ€DMDP, DABâ€1, CYBâ€3, Nectrisine, and Radicamine B. European Journal of Organic Chemistry, 2008, 2008, 2929-2947.	2.4	119
7	Multivalent Mannoâ€Glyconanoparticles Inhibit DCâ€SIGNâ€Mediated HIVâ€1 Transâ€Infection of Human T Cells. ChemBioChem, 2009, 10, 1806-1809.	2.6	117
8	Manganese dioxide oxidation of hydroxylamines to nitrones. Tetrahedron Letters, 2001, 42, 6503-6505.	1.4	112
9	Glyconanoparticles. Advances in Carbohydrate Chemistry and Biochemistry, 2010, 64, 211-290.	0.9	88
10	Glyconanoparticles: multifunctional nanomaterials for biomedical applications. Nanomedicine, 2010, 5, 777-792.	3.3	80
11	Multivalent Gold Glycoclusters: High Affinity Molecular Recognition by Bacterial Lectin PAâ€IL. Chemistry - A European Journal, 2012, 18, 4264-4273.	3.3	80
12	Paramagnetic Gd-based gold glyconanoparticles as probes for MRI: tuning relaxivities with sugars. Chemical Communications, 2009, , 3922.	4.1	77
13	A gold glyco-nanoparticle carrying a listeriolysin O peptide and formulated with Advaxâ„¢ delta inulin adjuvant induces robust T-cell protection against listeria infection. Vaccine, 2015, 33, 1465-1473.	3.8	77
14	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.	4.2	72
15	Glycosystems in nanotechnology: Gold glyconanoparticles as carrier for anti-HIV prodrugs. Beilstein Journal of Organic Chemistry, 2014, 10, 1339-1346.	2.2	69
16	One-Pot Synthesis of Cyclic Nitrones and Their Conversion to Pyrrolizidines:Â 7a-epi-Crotanecine Inhibits Î±-Mannosidases. Journal of Organic Chemistry, 2006, 71, 1614-1619.	3.2	67
17	Preparation and immunogenicity of gold glyco-nanoparticles as antipneumococcal vaccine model. Nanomedicine, 2017, 12, 13-23.	3.3	66
18	Antimicrobial Peptide-Loaded Nanoparticles as Inhalation Therapy for Pseudomonas aeruginosa Infections . International Journal of Nanomedicine, 2020, Volume 15, 1117-1128.	6.7	62

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19	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, 383-389.	3.4	56
20	Functional Single-Chain Polymer Nanoparticles: Targeting and Imaging Pancreatic Tumors in Vivo. Biomacromolecules, 2016, 17, 3213-3221.	5.4	48
21	A Solution NMR Study of the Interactions of Oligomannosides and the Antiâ€HIVâ€1 2G12 Antibody Reveals Distinct Binding Modes for Branched Ligands*. Chemistry - A European Journal, 2011, 17, 1547-1560.	3.3	46
22	Sugar/gadolinium-loaded gold nanoparticles for labelling and imaging cells by magnetic resonance imaging. Biomaterials Science, 2013, 1, 658.	5.4	44
23	Straightforward synthesis of enantiopure 2-aminomethyl and 2-hydroxymethyl pyrrolidines with complete stereocontrol. Tetrahedron Letters, 2005, 46, 1287-1290.	1.4	43
24	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.	3.3	42
25	Recent advances on smart glycoconjugate vaccines in infections and cancer. FEBS Journal, 2022, 289, 4251-4303.	4.7	39
26	Preparation ofN-Glycosylhydroxylamines and Their Oxidation to Nitrones for the Enantioselective Synthesis of Isoxazolidines. European Journal of Organic Chemistry, 2003, 2003, 4152-4161.	2.4	36
27	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.	5.8	36
28	Biocompatible single-chain polymer nanoparticles loaded with an antigen mimetic as potential anticancer vaccine. ACS Macro Letters, 2018, 7, 196-200.	4.8	35
29	Synthesis and functionalization of dextran-based single-chain nanoparticles in aqueous media. Journal of Materials Chemistry B, 2017, 5, 1143-1147.	5.8	34
30	Double Addition of Grignard Reagents toN-Glycosyl Nitrones:â€‰ A New Tool for the Construction of Enantiopure Azaheterocycles. Organic Letters, 2005, 7, 319-322.	4.6	33
31	Pregnancy Vaccination with Gold Glyco-Nanoparticles Carrying Listeria monocytogenes Peptides Protects against Listeriosis and Brain- and Cutaneous-Associated Morbidities. Nanomaterials, 2016, 6, 151.	4.1	29
32	Gold manno-Glyconanoparticles for Intervening in HIV gp120 Carbohydrate-Mediated Processes. Methods in Enzymology, 2012, 509, 21-40.	1.0	27
33	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, 951-957.	2.2	26
34	High Sensitive Detection of Carbohydrate Binding Proteins in an ELISA-Solid Phase Assay Based on Multivalent Glyconanoparticles. PLoS ONE, 2013, 8, e73027.	2.5	26
35	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, 102-109.	2.3	26
36	New Highly Strained Multifunctional Heterocycles by Intramolecular Cycloadditions of Nitrones to Bicyclopropylidene Moieties. European Journal of Organic Chemistry, 2006, 2006, 5485-5494.	2.4	24

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37	Carbohydrate-Based Nanoparticles for Potential Applications in Medicine. Progress in Molecular Biology and Translational Science, 2011, 104, 141-173.	1.7	24
38	Influence of ligand presentation density on the molecular recognition of mannose-functionalised glyconanoparticles by bacterial lectin BC2L-A. Glycoconjugate Journal, 2013, 30, 747-757.	2.7	24
39	Gold glyconanoparticles coupled to listeriolysin O 91â€“99 peptide serve as adjuvant therapy against melanoma. Nanoscale, 2017, 9, 10721-10732.	5.6	24
40	Recent Developments in the Reduction of Oxidative Stress through Antioxidant Polymeric Formulations. Pharmaceutics, 2019, 11, 505.	4.5	24
41	A Quantitative Study of the Intracellular Dynamics of Fluorescently Labelled Glycoâ€Gold Nanoparticles via Fluorescence Correlation Spectroscopy. Small, 2014, 10, 2602-2610.	10.0	23
42	Emerging glycoâ€based strategies to steer immune responses. FEBS Journal, 2021, 288, 4746-4772.	4.7	22
43	Practical synthesis of N-alkyl-N-glycosylhydroxylamines, multitalented precursors of enantiomerically pure nitrones. Tetrahedron Letters, 2002, 43, 2741-2743.	1.4	21
44	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.	2.8	20
45	Novel nanoparticle vaccines for Listeriosis. Human Vaccines and Immunotherapeutics, 2015, 11, 2501-2503.	3.3	19
46	In vitro inhalation cytotoxicity testing of therapeutic nanosystems for pulmonary infection. Toxicology in Vitro, 2020, 63, 104714.	2.4	19
47	GNP-GAPDH1-22 nanovaccines prevent neonatal listeriosis by blocking microglial apoptosis and bacterial dissemination. Oncotarget, 2017, 8, 53916-53934.	1.8	17
48	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.	9.1	16
49	Pre-clinical development of Listeria-based nanovaccines as immunotherapies for solid tumours: insights from melanoma. OncoImmunology, 2019, 8, e1541534.	4.6	16
50	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, .	3.2	14
51	Gold nanoparticles are suitable cores for building tunable iminosugar multivalency. RSC Advances, 2015, 5, 95817-95822.	3.6	13
52	Neutralization of ionic interactions by dextran-based single-chain nanoparticles improves tobramycin diffusion into a mature biofilm. Npj Biofilms and Microbiomes, 2022, 8, .	6.4	13
53	STD NMR Study of the Interactions between Antibody 2G12 and Synthetic Oligomannosides that Mimic Selected Branches of gp120 Glycans. ChemBioChem, 2012, 13, 1357-1365.	2.6	12
54	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.	2.2	11

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55	Molybdenum Hexacarbonyl [Mo(CO)6]. Synlett, 2005, 2005, 1195-1196.	1.8	10
56	Dissecting the Carbohydrate Specificity of the Anti-HIV-1 2G12 Antibody by Single-Molecule Force Spectroscopy. Langmuir, 2012, 28, 17726-17732.	3.5	10
57	Fabrication of hybrid graphene oxide/polyelectrolyte capsules by means of layer-by-layer assembly on erythrocyte cell templates. Beilstein Journal of Nanotechnology, 2015, 6, 2310-2318.	2.8	9
58	Novel Coreâ€“Shell Polyamine Phosphate Nanoparticles Selfâ€Assembled from PEGylated Poly(allylamine) Tj ETQq0 0 0 rgBT /Overlock 1	10.0	9
59	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.	2.0	7
60	Hybrid Multivalent Jack Bean Î±-Mannosidase Inhibitors: The First Example of Gold Nanoparticles Decorated with Deoxynojirimycin Inhitopes. Molecules, 2021, 26, 5864.	3.8	7
61	N-Glycosylhydroxylamines as Masked Polyhydroxylated Chiral Nitrones in Cycloaddition Reactions: An Access to Pyrrolizidines. Heterocycles, 2009, 79, 883.	0.7	6
62	Gold Glyconanoparticles Combined with 91â€“99 Peptide of the Bacterial Toxin, Listeriolysin O, Are Efficient Immunotherapies in Experimental Bladder Tumors. Cancers, 2022, 14, 2413.	3.7	6
63	The B & B approach: Ball-milling conjugation of dextran with phenylboronic acid (PBA)-functionalized BODIPY. Beilstein Journal of Organic Chemistry, 2020, 16, 2272-2281.	2.2	5
64	Gold Nanoparticles as Carriers for Synthetic Glycoconjugate Vaccines. Methods in Molecular Biology, 2015, 1331, 159-171.	0.9	4
65	New Oligocyclic Î²-Lactams and Î²-Amino Acid Derivatives by Intramolecular Cycloaddition of Bicyclopropylidenyl-Substituted Nitrones. Synlett, 2006, 2006, 1125-1127.	1.8	2
66	Formal Mixed Double Addition to N-Glycosylnitrones through Addition-Oxidation-Addition to N-Glycosylhydroxylamines. Synlett, 2008, 2008, 197-202.	1.8	2
67	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.	0.3	2
68	In vivo stability of protein coatings on poly lactic co glycolic nanoparticles. MRS Advances, 2016, 1, 3767-3773.	0.9	2
69	Carbohydrate Functionalized Quantum Dots in Sensing, Imaging and Therapy Applications. , 2021, , 433-472.		2
70	Interfacial activity of modified dextran polysaccharide to produce enzyme-responsive oil-in-water nanoemulsions. Chemical Communications, 2021, 57, 4540-4543.	4.1	2
71	Glycoliposomes and Metallic Glyconanoparticles in Glycoscience. , 2012, , 164-202.		1
72	Novel Coreâ€“Shell Polyamine Phosphate Nanoparticles Selfâ€Assembled from PEGylated Poly(allylamine) Tj ETQq0 0 0 rgBT /Overlock 1 17, 2170182.	10.0	0