

List of Publications by Year in descending order

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25034

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all docs

213
docs citations

213
times ranked

7795
citing authors

#	ARTICLE	IF	CITATIONS
1	A Synthetic Conjugate Polysaccharide Vaccine Against Haemophilus influenzae Type b. Science, 2004, 305, 522-525.	12.6	444
2	Galectin-3 Precipitates as a Pentamer with Synthetic Multivalent Carbohydrates and Forms Heterogeneous Cross-linked Complexes. Journal of Biological Chemistry, 2004, 279, 10841-10847.	3.4	440
3	Syntheses and some applications of chemically defined multivalent glycoconjugates. Current Opinion in Structural Biology, 1996, 6, 692-702.	5.7	321
4	Design and Creativity in Synthesis of Multivalent Neoglycoconjugates. Advances in Carbohydrate Chemistry and Biochemistry, 2010, 63, 165-393.	0.9	296
5	Modular Synthesis of Amphiphilic Janus Glycodendrimers and Their Self-Assembly into Glycodendrimersomes and Other Complex Architectures with Bioactivity to Biomedically Relevant Lectins. Journal of the American Chemical Society, 2013, 135, 9055-9077.	13.7	261
6	Inhibition of Viral Adhesion and Infection by Sialic-Acid-Conjugated Dendritic Polymers. Bioconjugate Chemistry, 1999, 10, 271-278.	3.6	245
7	Glycomimetics and Glycodendrimers as High Affinity Microbial Antiadhesins. Chemistry - A European Journal, 2008, 14, 7490-7499.	3.3	235
8	Multivalent glycoconjugate syntheses and applications using aromatic scaffolds. Chemical Society Reviews, 2013, 42, 4657.	38.1	223
9	Recent Trends in Glycodendrimer Syntheses and Applications. Current Topics in Medicinal Chemistry, 2008, 8, 1237-1285.	2.1	212
10	Binding of Multivalent Carbohydrates to Concanavalin A and Dioclea grandiflora Lectin. Journal of Biological Chemistry, 2000, 275, 14223-14230.	3.4	196
11	A guide into glycosciences: How chemistry, biochemistry and biology cooperate to crack the sugar code. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 186-235.	2.4	188
12	Mannosylated G(0) Dendrimers with Nanomolar Affinities to Escherichia coli FimH. ChemMedChem, 2007, 2, 1190-1201.	3.2	166
13	A Decade of Glycodendrimer Chemistry.. Trends in Glycoscience and Glycotechnology, 2003, 15, 291-310.	0.1	165
14	Recent applications of olefin metathesis and related reactions in carbohydrate chemistry. Chemical Communications, 2000, , 519-529.	4.1	156
15	Inhibition of Adhesion of Type 1 Fimbriated Escherichia coli to Highly Mannosylated Ligands. ChemBioChem, 2002, 3, 836-844.	2.6	150
16	Active and latent thioglycosyl donors in oligosaccharide synthesis. Application to the synthesis of β -sialosides. Tetrahedron Letters, 1992, 33, 6053-6056.	1.4	146
17	Amphiphilic tert-Butylcalix[4]arene Scaffolds Containing Exposed Carbohydrate Dendrons. Angewandte Chemie - International Edition, 1999, 38, 369-372.	13.8	144
18	Macromolecular recognition: Effect of multivalency in the inhibition of binding of yeast mannan to concanavalin A and pea lectins by mannosylated dendrimers. Bioorganic and Medicinal Chemistry, 1996, 4, 1949-1961.	3.0	139

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19	Phase Transfer Catalysis as a General and Stereoselective Entry into Glycosyl Azides from Glycosyl Halides. <i>Synthesis</i> , 1992, 1992, 618-620.	2.3	129
20	New trends in carbohydrate-based vaccines. <i>Drug Discovery Today: Technologies</i> , 2004, 1, 327-336.	4.0	123
21	Practical Synthesis of Starburst PAMAM \pm -Thiosialodendrimers for Probing Multivalent Carbohydrate Lectin Binding Properties. <i>Journal of Organic Chemistry</i> , 1998, 63, 3486-3491.	3.2	120
22	Glycodendrimers: novel glycotope isosteres unmasking sugar coding. Case study with T-antigen markers from breast cancer MUC1 glycoprotein. <i>Reviews in Molecular Biotechnology</i> , 2002, 90, 291-309.	2.8	117
23	Synthesis and Biological Properties of Mannosylated Starburst Poly(amidoamine) Dendrimers. <i>Bioconjugate Chemistry</i> , 1997, 8, 714-723.	3.6	114
24	First demonstration of differential inhibition of lectin binding by synthetic tri- and tetravalent glycoclusters from cross-coupling of rigidified 2-propynyl lactoside. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 3909-3916.	2.8	101
25	Recent developments in the rational design of multivalent glycoconjugates. <i>Topics in Current Chemistry</i> , 1997, , 241-274.	4.0	99
26	Mimicking Biological Membranes with Programmable Glycan Ligands Self-Assembled from Amphiphilic Janus Glycodendrimers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10899-10903.	13.8	99
27	Carbohydrate-coated lanthanide-doped upconverting nanoparticles for lectin recognition. <i>Journal of Materials Chemistry</i> , 2010, 20, 7543.	6.7	98
28	Negative Cooperativity Associated with Binding of Multivalent Carbohydrates to Lectins. Thermodynamic Analysis of the "Multivalency Effect". <i>Biochemistry</i> , 2002, 41, 1351-1358.	2.5	96
29	Carbohydrate triazoles and isoxazoles as inhibitors of galectins-1 and -3. <i>Chemical Communications</i> , 2006, , 2379-2381.	4.1	96
30	Combining Glycomimetic and Multivalent Strategies toward Designing Potent Bacterial Lectin Inhibitors. <i>Chemistry - A European Journal</i> , 2011, 17, 6545-6562.	3.3	94
31	Dissecting Molecular Aspects of Cell Interactions Using Glycodendrimersomes with Programmable Glycan Presentation and Engineered Human Lectins. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4036-4040.	13.8	94
32	Synthesis of glycodendrimers containing both fucoside and galactoside residues and their binding properties to Pa-IL and PA-III lectins from <i>Pseudomonas aeruginosa</i> . <i>New Journal of Chemistry</i> , 2007, 31, 1321.	2.8	93
33	Expeditive Synthesis of Glycodendrimer Scaffolds Based on Versatile TRIS and Mannoside Derivatives. <i>Journal of Organic Chemistry</i> , 2008, 73, 5602-5605.	3.2	92
34	Engineering a Therapeutic Lectin by Uncoupling Mitogenicity from Antiviral Activity. <i>Cell</i> , 2015, 163, 746-758.	28.9	89
35	Inhibition of Spontaneous Breast Cancer Metastasis by Anti-Thomsen-Friedenreich Antigen Monoclonal Antibody JAA-F11. <i>Neoplasia</i> , 2006, 8, 939-948.	5.3	84
36	Glycodendrimers as Anti-Adhesion Drugs Against Type 1 Fimbriated <i>E. coli</i> Uropathogenic Infections. <i>Mini-Reviews in Medicinal Chemistry</i> , 2007, 7, 1270-1283.	2.4	84

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37	Glycodendrimers as functional antigens and antitumor vaccines. <i>New Journal of Chemistry</i> , 2012, 36, 324-339.	2.8	84
38	Blue-Prints, Synthesis and Applications of Glycopolymers.. <i>Trends in Glycoscience and Glycotechnology</i> , 1996, 8, 79-99.	0.1	83
39	Synthesis of Per-Glycosylated Î²-Cyclodextrins Having Enhanced Lectin Binding Affinity. <i>Journal of Organic Chemistry</i> , 1999, 64, 522-531.	3.2	83
40	Aromatic thioglycoside inhibitors against the virulence factor LecA from <i>Pseudomonas aeruginosa</i> . <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6906.	2.8	81
41	Synthesis of Esterase-resistant 9-O-Acetylated Polysialoside as Inhibitor of Influenza C Virus Hemagglutinin. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1478-1481.	4.4	74
42	Synthesis of N,Nâ€-bis(Acrylamido)acetic Acid-Based T-Antigen Glycodendrimers and Their Mouse Monoclonal IgG Antibody Binding Properties. <i>Journal of the American Chemical Society</i> , 2001, 123, 1809-1816.	13.7	74
43	Thermodynamic Binding Parameters of Individual Epitopes of Multivalent Carbohydrates to Concanavalin A As Determined by â€Reverseâ€Isothermal Titration Microcalorimetry. <i>Biochemistry</i> , 2002, 41, 1359-1363.	2.5	72
44	Synthesis and protein binding properties of T-antigen containing GlycoPAMAM dendrimers. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 11-17.	3.0	72
45	Cu(II)-Self-assembling bipyridyl-glycoclusters and dendrimers bearing the Tn-antigen cancer marker: syntheses and lectin binding properties. <i>Tetrahedron</i> , 2003, 59, 3881-3893.	1.9	72
46	Synthesis of stable and selective inhibitors of human galectins-1 and -3. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 7811-7823.	3.0	71
47	Mild stereoselective syntheses of thioglycosides under PTC conditions and their use as active and latent glycosyl donors. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 2303-2312.	1.8	70
48	How do multivalent glycodendrimers benefit from sulfur chemistry?. <i>Chemical Society Reviews</i> , 2013, 42, 4823.	38.1	69
49	Effect of shape, size, and valency of multivalent mannosides on their binding properties to phytohemagglutinins. <i>Glycoconjugate Journal</i> , 1998, 15, 251-263.	2.7	68
50	The Tyrosine Gate as a Potential Entropic Lever in the Receptor-Binding Site of the Bacterial Adhesin FimH. <i>Biochemistry</i> , 2012, 51, 4790-4799.	2.5	67
51	Acid-treated clay catalysts for organic dye ozonation â€“ Thorough mineralization through optimum catalyst basicity and hydrophilic character. <i>Journal of Hazardous Materials</i> , 2019, 364, 356-366.	12.4	64
52	Thermodynamic, Kinetic, and Electron Microscopy Studies of Concanavalin A and Dioclea grandiflora Lectin Cross-linked with Synthetic Divalent Carbohydrates. <i>Journal of Biological Chemistry</i> , 2005, 280, 8640-8646.	3.4	62
53	Aryl O- and S-galactosides and lactosides as specific inhibitors of human galectins-1 and -3: Role of electrostatic potential at O-3. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 1668-1672.	2.2	61
54	Xâ€ray Structures and Thermodynamics of the Interaction of PAâ€HL from <i>Pseudomonas aeruginosa</i> with Disaccharide Derivatives. <i>ChemMedChem</i> , 2007, 2, 1328-1338.	3.2	61

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55	Inhibition of MMP-2 secretion from brain tumor cells suggests chemopreventive properties of a furanocoumarin glycoside and of chalcones isolated from the twigs of <i>Dorstenia turbinata</i> . <i>Phytochemistry</i> , 2006, 67, 2573-2579.	2.9	60
56	OH-enriched organo-montmorillonites for potential applications in carbon dioxide separation and concentration. <i>Separation and Purification Technology</i> , 2013, 108, 181-188.	7.9	59
57	“Onion peel” dendrimers: a straightforward synthetic approach towards highly diversified architectures. <i>Polymer Chemistry</i> , 2014, 5, 4321-4331.	3.9	59
58	Synthesis and binding properties of divalent and trivalent clusters of the Lewis a disaccharide moiety to <i>Pseudomonas aeruginosa</i> lectin PA-III. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2953.	2.8	58
59	Carbon dioxide retention over montmorillonite “ dendrimer materials. <i>Applied Clay Science</i> , 2010, 48, 133-137.	5.2	58
60	Multivalent Carbohydrate-Lectin Interactions: How Synthetic Chemistry Enables Insights into Nanometric Recognition. <i>Molecules</i> , 2016, 21, 629.	3.8	58
61	Chemoenzymatic synthesis of dendritic sialyl Lewisx. <i>Carbohydrate Research</i> , 1997, 305, 433-442.	2.3	57
62	Tri- and hexavalent mannoside clusters as potential inhibitors of type 1 fimbriated bacteria using pentaerythritol and triazole linkages. <i>Chemical Communications</i> , 2007, , 380-382.	4.1	56
63	In vitro cytotoxic activity of isolated acridones alkaloids from <i>Zanthoxylum leprieurii</i> Guill. et Perr. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 3601-3605.	3.0	55
64	Multivalent scaffolds in glycoscience: an overview. <i>Chemical Society Reviews</i> , 2013, 42, 4515.	38.1	55
65	Concanavalin-A-induced autophagy biomarkers requires membrane type-1 matrix metalloproteinase intracellular signaling in glioblastoma cells. <i>Glycobiology</i> , 2012, 22, 1245-1255.	2.5	54
66	A highly versatile convergent/divergent “onion peel” synthetic strategy toward potent multivalent glycodendrimers. <i>Chemical Communications</i> , 2014, 50, 13300-13303.	4.1	54
67	Extended Alkenyl Glycosides by Ruthenium-Catalyzed Cross-Metathesis Reaction and Application toward Novel C-Linked Pseudodisaccharides. <i>Journal of Organic Chemistry</i> , 1999, 64, 5408-5412.	3.2	53
68	Truly reversible capture of CO ₂ by montmorillonite intercalated with soya oil-derived polyglycerols. <i>International Journal of Greenhouse Gas Control</i> , 2013, 17, 140-147.	4.6	53
69	Development and Characterization of Monoclonal Antibody to T-Antigen: (Gal ¹ GalNAc ⁶ -O). <i>Hybridoma</i> , 1998, 17, 165-173.	0.6	52
70	TPD study of the reversible retention of carbon dioxide over montmorillonite intercalated with polyol dendrimers. <i>Thermochimica Acta</i> , 2009, 496, 45-49.	2.7	51
71	Glyconanosynthons as powerful scaffolds and building blocks for the rapid construction of multifaceted, dense and chiral dendrimers. <i>Chemical Society Reviews</i> , 2015, 44, 3924-3941.	38.1	51
72	Stereospecific Synthesis of 1,2-trans-1-Phenylthio- ¹² -D-Disaccharides Under Phase Transfer Catalysis. <i>Synthesis</i> , 1991, 1991, 734-736.	2.3	49

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73	First Synthesis of "Majoral-Type" Glycodendrimers Bearing Covalently Bound 1,2-d-Mannopyranoside Residues onto a Hexachlocyclotriphosphazene Core. <i>Journal of Organic Chemistry</i> , 2008, 73, 9292-9302.	3.2	49
74	Inhibitory potential of chemical substitutions at bioinspired sites of 1,2-d-galactopyranose on neoglycoprotein/cell surface binding of two classes of medically relevant lectins. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 3280-3287.	3.0	49
75	Glycodendrimers: versatile tools for nanotechnology. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2013, 49, 85-108.	1.2	49
76	The Global Emergency of Novel Coronavirus (SARS-CoV-2): An Update of the Current Status and Forecasting. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5648.	2.6	49
77	Structural basis of the affinity for oligomannosides and analogs displayed by BC2L-A, a Burkholderia cenocepacia soluble lectin. <i>Glycobiology</i> , 2010, 20, 87-98.	2.5	48
78	Efficient and accelerated growth of multifunctional dendrimers using orthogonal thiol-ene and SN2 reactions. <i>Chemical Communications</i> , 2014, 50, 1983.	4.1	48
79	Stereospecific Synthesis of Aryl 1,2-D-N-Acetylglucopyranosides by Phase Transfer Catalysis. <i>Synthetic Communications</i> , 1990, 20, 2097-2102.	2.1	47
80	Optimizing lectin-carbohydrate interactions: improved binding of divalent alpha-mannosylated ligands towards Concanavalin A. <i>Glycoconjugate Journal</i> , 1997, 14, 345-356.	2.7	47
81	Hexaphenylbenzene as a Rigid Template for the Straightforward Syntheses of "Star-Shaped" Glycodendrimers. <i>Journal of Organic Chemistry</i> , 2011, 76, 724-727.	3.2	47
82	Bench-to-bedside translation of dendrimers: Reality or utopia? A concise analysis. <i>Advanced Drug Delivery Reviews</i> , 2018, 136-137, 73-81.	13.7	47
83	Synthesis of "Sugar-Rods" with Phytohemagglutinin Cross-Linking Properties by Using the Palladium-Catalyzed Sonogashira Reaction. <i>Chemistry - A European Journal</i> , 2000, 6, 1757-1762.	3.3	45
84	Synthesis of Persialylated 1,2-Cyclodextrins. <i>Journal of Organic Chemistry</i> , 2000, 65, 8743-8746.	3.2	45
85	N-Arylimidazole synthesis by cross-cycloaddition of isocyanides using a novel catalytic system. <i>Tetrahedron</i> , 2007, 63, 4912-4917.	1.9	45
86	Chemical modification of chitosan 11: chitosan-dendrimer hybrid as a tree like molecule. <i>Carbohydrate Polymers</i> , 2002, 49, 195-205.	10.2	44
87	Study of the Structural and Dynamic Effects in the FimH Adhesin upon 1,2-Heptyl Mannose Binding. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 1416-1427.	6.4	43
88	Catalytic ozonation of Orange-G through highly interactive contributions of hematite and SBA-16 " To better understand azo-dye oxidation in nature. <i>Chemosphere</i> , 2017, 168, 1648-1657.	8.2	42
89	Multivalent Presentation of Mannose on Hyperbranched Polyglycerol and their Interaction with Concanavalin A Lectin. <i>ChemBioChem</i> , 2011, 12, 1075-1083.	2.6	41
90	CO2 capture by coal ash-derived zeolites- roles of the intrinsic basicity and hydrophilic character. <i>Journal of Alloys and Compounds</i> , 2019, 778, 866-877.	5.5	41

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91	Chemical modification of chitosan: preparation of chitosan- α -sialic acid branched polysaccharide hybrids. <i>Chemical Communications</i> , 2000, , 909-910.	4.1	39
92	Synthesis and lectin binding properties of dendritic mannopyranoside. <i>Chemical Communications</i> , 1996, , 1913-1914.	4.1	38
93	Development, Characterization, and Immunotherapeutic Use of Peptide Mimics of the Thomsen-Friedenreich Carbohydrate Antigen. <i>Neoplasia</i> , 2009, 11, 780-792.	5.3	38
94	Diazo Transfer and Click Chemistry in the Solid Phase Syntheses of Lysine-Based Glycodendrimers as Antagonists against <i>Escherichia coli</i> FimH. <i>Molecular Pharmaceutics</i> , 2012, 9, 394-403.	4.6	38
95	Correlation between the hydrophilic character and affinity towards carbon dioxide of montmorillonite-supported polyalcohols. <i>Journal of Colloid and Interface Science</i> , 2013, 402, 215-222.	9.4	38
96	Total mineralization of sulfamethoxazole and aromatic pollutants through Fe ²⁺ -montmorillonite catalyzed ozonation. <i>Journal of Hazardous Materials</i> , 2015, 298, 338-350.	12.4	38
97	Teaming up synthetic chemistry and histochemistry for activity screening in galectin-directed inhibitor design. <i>Histochemistry and Cell Biology</i> , 2017, 147, 285-301.	1.7	38
98	Dendrimers toward Translational Nanotherapeutics: Concise Key Step Analysis. <i>Bioconjugate Chemistry</i> , 2020, 31, 2060-2071.	3.6	38
99	Synthesis of 'Molecular Asterisks' via Sequential Cross-Metathesis, Sonogashira and Cyclotrimerization Reactions. <i>Synthesis</i> , 2000, 2000, 862-868.	2.3	36
100	Synthesis and screening of a small glycomimetic library for inhibitory activity on medically relevant galactoside-specific lectins in assays of increasing biorelevance. <i>New Journal of Chemistry</i> , 2010, 34, 2229.	2.8	36
101	Alkenyl O- and C-glycopyranoside homodimerization by olefin metathesis reaction. <i>Chemical Communications</i> , 1998, , 2437-2438.	4.1	35
102	Regiospecific Syntheses of <i>N</i> -Acetylactosamine Derivatives and Application Toward a Highly Practical Synthesis of Lewis X Trisaccharide. <i>Journal of Carbohydrate Chemistry</i> , 1999, 18, 755-773.	1.1	35
103	Efficient Ruthenium Carbenoid-Catalyzed Cross-Metathesis of Allyl Halides with Olefins. <i>Organic Letters</i> , 2002, 4, 2723-2726.	4.6	35
104	Analysis of Protein-Carbohydrate Interaction at the Lower Size Limit of the Protein Part (15-Mer) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Biochemistry</i> , 2002, 41, 9707-9717.	2.5	35
105	Polyol-modified layered double hydroxides with attenuated basicity for a truly reversible capture of CO ₂ . <i>Adsorption</i> , 2013, 19, 909-918.	3.0	35
106	A fast track strategy toward highly functionalized dendrimers with different structural layers: an α -ion peel approach. <i>Polymer Chemistry</i> , 2015, 6, 1436-1444.	3.9	35
107	Efficient synthesis of (2 \rightarrow 8)-linked <i>N</i> -acetyl and <i>N</i> -glycolylneuraminic acid disaccharides from colominic acid. <i>Glycoconjugate Journal</i> , 1990, 7, 3-12.	2.7	34
108	Scope and Applications of "Active and Latent" Thioglycosyl Donors. Part 4. <i>Journal of Carbohydrate Chemistry</i> , 1998, 17, 609-631.	1.1	34

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109	Glycosylation of HIV-1 gp120 V3 Loop: Towards the Rational Design of a Synthetic Carbohydrate Vaccine. <i>Current Medicinal Chemistry</i> , 2007, 14, 3232-3242.	2.4	34
110	Galectin-1-Specific Inhibitors as a New Class of Compounds To Treat HIV-1 Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 154-162.	3.2	34
111	Validation of Reactivity Descriptors to Assess the Aromatic Stacking within the Tyrosine Gate of FimH. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 1085-1090.	2.8	34
112	Metal-Organic Matrices as Efficient Sorbents for Hydrogen Storage. <i>ChemSusChem</i> , 2015, 8, 800-803.	6.8	33
113	Protection against <i>Streptococcus suis</i> Serotype 2 Infection Using a Capsular Polysaccharide Glycoconjugate Vaccine. <i>Infection and Immunity</i> , 2016, 84, 2059-2075.	2.2	33
114	Synthesis of divalent α -D-mannopyranosylated clusters having enhanced binding affinities towards concanavalin A and pea lectins. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 1765-1770.	2.2	32
115	Preparation and characterization of hydrophilic organo-montmorillonites through incorporation of non-ionic polyglycerol dendrimers derived from soybean oil. <i>Materials Research Bulletin</i> , 2013, 48, 3466-3473.	5.2	32
116	Exploration of biomedical dendrimer space based on in-vitro physicochemical parameters: key factor analysis (Part 1). <i>Drug Discovery Today</i> , 2019, 24, 1176-1183.	6.4	32
117	Synthesis of S-Glycosyl Xanthates by Phase Transfer Catalyzed Substitution of Glycosyl Halides. <i>Journal of Carbohydrate Chemistry</i> , 1992, 11, 741-750.	1.1	31
118	Design and Synthesis of Water-Soluble Glycopolymers Bearing Breast Tumor Marker and Enhanced Lipophilicity for Solid-Phase Assays. <i>Biomacromolecules</i> , 2000, 1, 768-770.	5.4	31
119	Multifaceted glycodendrimers with programmable bioactivity through convergent, divergent, and accelerated approaches using polyfunctional cyclotriphosphazenes. <i>Polymer Chemistry</i> , 2015, 6, 7666-7683.	3.9	30
120	Explaining the Serological Characteristics of <i>Streptococcus suis</i> Serotypes 1 and 1/2 from Their Capsular Polysaccharide Structure and Biosynthesis. <i>Journal of Biological Chemistry</i> , 2016, 291, 8387-8398.	3.4	30
121	Exploration of biomedical dendrimer space based on in-vivo physicochemical parameters: Key factor analysis (Part 2). <i>Drug Discovery Today</i> , 2019, 24, 1184-1192.	6.4	29
122	Neuraminidases 1 and 3 Trigger Atherosclerosis by Desialylating Low-Density Lipoproteins and Increasing Their Uptake by Macrophages. <i>Journal of the American Heart Association</i> , 2021, 10, e018756.	3.7	29
123	Synthesis and antibody binding properties of glycodendrimers bearing the tumor related T-antigen. <i>Chemical Communications</i> , 2001, , 257-258.	4.1	28
124	Diversity of C-linked neoglycopeptides for the exploration of subsite-assisted carbohydrate binding interactions. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 1127-1132.	2.2	27
125	Phase transfer catalyzed synthesis of 4-nitrophenyl 1-thio- α -D-glycobiosides. <i>Carbohydrate Research</i> , 1992, 229, 149-154.	2.3	26
126	Intrinsic affinity of acid-activated bentonite towards hydrogen and carbon dioxide. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 7964-7972.	7.1	25

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127	Relative Lectin Binding Properties of T-Antigen-Containing Glycopolymers: Copolymerization of N-Acryloylated T-Antigen Monomer vs. Graft Conjugation of Aminated T-Antigen Ligands onto Poly(N-acryloxysuccinimide). <i>Macromolecular Bioscience</i> , 2001, 1, 305-311.	4.1	24
128	Low generation polyamine dendrimers bearing flexible tetraethylene glycol as nanocarriers for plasmids and siRNA. <i>Nanoscale</i> , 2016, 8, 5106-5119.	5.6	24
129	Aminoxyolated Carbohydrates: Synthesis and Applications. <i>Chemical Reviews</i> , 2017, 117, 9839-9873.	47.7	24
130	A solid-phase glycosyltransferase assay for high-throughput screening in drug discovery research. <i>Glycoconjugate Journal</i> , 1999, 16, 607-615.	2.7	23
131	Transition metal-catalyzed syntheses of α -rod-like TM thioglycoside dimers. <i>Tetrahedron Letters</i> , 2000, 41, 1155-1158.	1.4	23
132	Synthesis of clustered xenotransplantation antagonists using palladium-catalyzed cross-coupling of prop-2-ynyl β -D-galactopyranoside. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 773-779.	1.3	23
133	Synthesis of a small library of bivalent β -D-mannopyranosides for lectin cross-linking. <i>Carbohydrate Research</i> , 2011, 346, 1479-1489.	2.3	23
134	Insights in CO ₂ interaction on zeolite omega-supported polyol dendrimers. <i>Thermochimica Acta</i> , 2016, 624, 95-101.	2.7	23
135	Assessment of the intrinsic interactions of mesoporous silica with carbon dioxide. <i>Research on Chemical Intermediates</i> , 2017, 43, 3775-3786.	2.7	23
136	Sites for Dynamic Protein-Carbohydrate Interactions of O- and C-Linked Mannosides on the E. coli FimH Adhesin. <i>Molecules</i> , 2017, 22, 1101.	3.8	23
137	Development of Mannopyranoside Therapeutics against Adherent-Invasive <i>Escherichia coli</i> Infections. <i>Accounts of Chemical Research</i> , 2018, 51, 2937-2948.	15.6	23
138	En route to a carbohydrate-based vaccine against <i>Burkholderia cepacia</i> . <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2704.	2.8	22
139	Organic Chemistry and Immunochemical Strategies in the Design of Potent Carbohydrate-based Vaccines. <i>Chimia</i> , 2011, 65, 24.	0.6	22
140	Total removal of oxalic acid via synergistic parameter interaction in montmorillonite catalyzed ozonation. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 20-30.	6.7	22
141	Heterolayered hybrid dendrimers with optimized sugar head groups for enhancing carbohydrate-protein interactions. <i>Polymer Chemistry</i> , 2017, 8, 5354-5366.	3.9	22
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