Xuefei Huang

List of Publications by Year
in descending order

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		57758	82547
159	6,589	44	72
papers	citations	h-index	g-index

192	192	192	6690
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic Glyco-nanoparticles:â€‰ A Unique Tool for Rapid Pathogen Detection, Decontamination, and Strain Differentiation. Journal of the American Chemical Society, 2007, 129, 13392-13393.	13.7	385
2	Iterative One-Pot Synthesis of Oligosaccharides. Angewandte Chemie - International Edition, 2004, 43, 5221-5224.	13.8	313
3	Magnetic Glyco-Nanoparticles: A Tool To Detect, Differentiate, and Unlock the Glyco-Codes of Cancer via Magnetic Resonance Imaging. Journal of the American Chemical Society, 2010, 132, 4490-4499.	13.7	240
4	Porphyrins and metalloporphyrins: Versatile circular dichroic reporter groups for structural studies. , 2000, 12, 237-255.		235
5	Zinc Porphyrin Tweezer in Hostâ^'Guest Complexation:Â Determination of Absolute Configurations of Diamines, Amino Acids, and Amino Alcohols by Circular Dichroism. Journal of the American Chemical Society, 1998, 120, 6185-6186.	13.7	189
6	Chiral Recognition by CD-Sensitive Dimeric Zinc Porphyrin Host. 1. Chiroptical Protocol for Absolute Configurational Assignments of Monoalcohols and Primary Monoamines. Journal of the American Chemical Society, 2001, 123, 5962-5973.	13.7	161
7	Absolute Configurational Assignments of Secondary Amines by CD-Sensitive Dimeric Zinc Porphyrin Host. Journal of the American Chemical Society, 2002, 124, 10320-10335.	13.7	152
8	Hyaluronic Acid Immobilized Magnetic Nanoparticles for Active Targeting and Imaging of Macrophages. Bioconjugate Chemistry, 2010, 21, 2128-2135.	3.6	148
9	Multi-Component One-Pot Synthesis of the Tumor-Associated Carbohydrate Antigen Globo-H Based on Preactivation of Thioglycosyl Donors. Journal of Organic Chemistry, 2007, 72, 6409-6420.	3.2	134
10	Installation of Electron-Donating Protective Groups, a Strategy for Glycosylating Unreactive Thioglycosyl Acceptors using the Preactivation-Based Glycosylation Method. Journal of Organic Chemistry, 2008, 73, 7952-7962.	3.2	107
11	Magnesium Tetraarylporphyrin Tweezer:Â a CD-Sensitive Host for Absolute Configurational Assignments of Î±-Chiral Carboxylic Acids. Journal of the American Chemical Society, 2003, 125, 12914-12927.	13.7	105
12	Development of Multifunctional Hyaluronan-Coated Nanoparticles for Imaging and Drug Delivery to Cancer Cells. Biomacromolecules, 2012, 13, 1144-1151.	5.4	105
13	Preactivationâ€Based, Oneâ€Pot Combinatorial Synthesis of Heparinâ€like Hexasaccharides for the Analysis of Heparinâ€“Protein Interactions. Chemistry - A European Journal, 2010, 16, 8365-8375.	3.3	104
14	Enhancement of cell recognition in vitro by dual-ligand cancer targeting gold nanoparticles. Biomaterials, 2011, 32, 2540-2545.	11.4	98
15	Preâ€Activationâ€Based Oneâ€Pot Synthesis of an Î±â€(2,3)â€Sialylated Coreâ€Fucosylated Complex Type Biâ€Antennary Nâ€Glycan Dodecasaccharide. Chemistry - A European Journal, 2008, 14, 7072-7081.	3.3	94
16	Recent Development in Carbohydrate Based Anticancer Vaccines. Journal of Carbohydrate Chemistry, 2012, 31, 143-186.	1.1	92
17	A Facile Method for Oxidation of Primary Alcohols to Carboxylic Acids and Its Application in Glycosaminoglycan Syntheses. Chemistry - A European Journal, 2006, 12, 5246-5252.	3.3	85
18	Highly Efficient Syntheses of Hyaluronic Acid Oligosaccharides. Chemistry - A European Journal, 2007, 13, 529-540.	3.3	85

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19	Zinc Porphyrin Tweezer in Host-Guest Complexation: Determination of Absolute Configurations of Primary Monoamines by Circular Dichroism. Chemistry - A European Journal, 2000, 6, 216-224.	3.3	81
20	Boosting Immunity to Small Tumor-Associated Carbohydrates with Bacteriophage QÎ² Capsids. ACS Chemical Biology, 2013, 8, 1253-1262.	3.4	81
21	In vivo Î²-catenin attenuation by the integrin Î±5-targeting nano-delivery strategy suppresses triple negative breast cancer stemness and metastasis. Biomaterials, 2019, 188, 160-172.	11.4	80
22	Glyco-Nanomaterials: Translating Insights from the “Sugar-Code” to Biomedical Applications. Current Medicinal Chemistry, 2011, 18, 2060-2078.	2.4	76
23	Strategies in Synthesis of Heparin/Heparan Sulfate Oligosaccharides. Advances in Carbohydrate Chemistry and Biochemistry, 2012, 67, 95-136.	0.9	76
24	Cowpea Mosaic Virus Capsid: A Promising Carrier for the Development of Carbohydrate Based Antitumor Vaccines. Chemistry - A European Journal, 2008, 14, 4939-4947.	3.3	73
25	Tobacco Mosaic Virus as a New Carrier for Tumor Associated Carbohydrate Antigens. Bioconjugate Chemistry, 2012, 23, 1694-1703.	3.6	72
26	Protective Epitope Discovery and Design of MUC1-based Vaccine for Effective Tumor Protections in Immunotolerant Mice. Journal of the American Chemical Society, 2018, 140, 16596-16609.	13.7	68
27	Syntheses of Lewis^X and Dimeric Lewis^X:â€‰ Construction of Branched Oligosaccharides by a Combination of Preactivation and Reactivity Based Chemoselective One-Pot Glycosylations. Journal of Organic Chemistry, 2007, 72, 8958-8961.	3.2	64
28	Assessing the in Vivo Efficacy of Doxorubicin Loaded Hyaluronan Nanoparticles. ACS Applied Materials & Interfaces, 2014, 6, 697-705.	8.0	64
29	Configurational assignment of Î±-chiral carboxylic acids by complexation to dimeric Znâ€“porphyrin: hostâ€“guest structure, chiral recognition and circular dichroismElectronic supplementary information (ESI) available: spectroscopic data for compounds 1â€“7/2 and 3â€“7/2 to 6â€“7/2; UV-Vis spectra and binding curves for titration of 2 with 1â€“8; Job plot for 1â€“8/2; computational and experimental sections. See http://www.rsc.org/suppdata/cc/b2/b204554k/. Chemical Communications, 2002, , 1590-1591.	4.1	61
30	Glyconanoparticle Aided Detection of Î²-Amyloid by Magnetic Resonance Imaging and Attenuation of Î²-Amyloid Induced Cytotoxicity. ACS Chemical Neuroscience, 2013, 4, 575-584.	3.5	60
31	Homogenous Enzymatic Synthesis Using a Thermo-Responsive Water-Soluble Polymer Support. Advanced Synthesis and Catalysis, 2001, 343, 675-681.	4.3	59
32	One-pot oligosaccharide synthesis: reactivity tuning by post-synthetic modification of aglyconElectronic supplementary information (ESI) available: experimental data. See http://www.rsc.org/suppdata/cc/b4/b405886k/. Chemical Communications, 2004, , 1960.	4.1	59
33	A Four-Component One-Pot Synthesis of Î±-Gal Pentasaccharide. Organic Letters, 2004, 6, 4415-4417.	4.6	56
34	Iterative one-pot syntheses of chitotetroses. Carbohydrate Research, 2006, 341, 1669-1679.	2.3	56
35	Divergent Heparin Oligosaccharide Synthesis with Preinstalled Sulfate Esters. Chemistry - A European Journal, 2011, 17, 10106-10112.	3.3	56
36	Synthesis of Î²-cyclodextrin conjugated superparamagnetic iron oxide nanoparticles for selective binding and detection of cholesterol crystals. Chemical Communications, 2012, 48, 3385.	4.1	56

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37	Chemical Synthesis of a Hyaluronic Acid Decasaccharide. Journal of Organic Chemistry, 2009, 74, 7608-7617.	3.2	55
38	Uncovering Biphasic Catalytic Mode of C5-epimerase in Heparan Sulfate Biosynthesis. Journal of Biological Chemistry, 2012, 287, 20996-21002.	3.4	55
39	Chemical Synthesis of a Heparan Sulfate Glycopeptide: Syndecanâ€1. Angewandte Chemie - International Edition, 2012, 51, 10185-10189.	13.8	54
40	Fluorous thiols in oligosaccharide synthesis. Tetrahedron Letters, 2004, 45, 4615-4618.	1.4	50
41	Divergent Synthesis of Heparan Sulfate Oligosaccharides. Journal of Organic Chemistry, 2015, 80, 12265-12279.	3.2	50
42	Significant Impact of Immunogen Design on the Diversity of Antibodies Generated by Carbohydrate-Based Anticancer Vaccine. ACS Chemical Biology, 2015, 10, 2364-2372.	3.4	50
43	Carbohydrate Conjugates in Vaccine Developments. Frontiers in Chemistry, 2020, 8, 284.	3.6	50
44	Glycoengineering of Natural Killer Cells with CD22 Ligands for Enhanced Anticancer Immunotherapy. ACS Central Science, 2020, 6, 382-389.	11.3	49
45	Effective atherosclerotic plaque inflammation inhibition with targeted drug delivery by hyaluronan conjugated atorvastatin nanoparticles. Nanoscale, 2020, 12, 9541-9556.	5.6	49
46	Chemical Synthesis and Immunological Evaluation of a Pentasaccharide Bearing Multiple Rare Sugars as a Potential Antiâ€pertussis Vaccine. Angewandte Chemie - International Edition, 2020, 59, 6451-6458.	13.8	48
47	Synthesis and Immunological Evaluation of Disaccharide Bearing MUC-1 Glycopeptide Conjugates with Virus-like Particles. ACS Chemical Biology, 2019, 14, 2176-2184.	3.4	46
48	Syntheses and Energy Transfer in Multiporphyrinic Arrays Selfâ€Assembled with Hydrogenâ€Bonding Recognition Groups and Comparison with Covalent Steroidal Models. Chemistry - A European Journal, 2007, 13, 8411-8427.	3.3	45
49	Steric trapping reveals a cooperativity network in the intramembrane protease GlpG. Nature Chemical Biology, 2016, 12, 353-360.	8.0	45
50	Development of drug loaded nanoparticles for tumor targeting. Part 2: Enhancement of tumor penetration through receptor mediated transcytosis in 3D tumor models. Nanoscale, 2013, 5, 3904.	5.6	44
51	CD44 Targeting Magnetic Glyconanoparticles for Atherosclerotic Plaque Imaging. Pharmaceutical Research, 2014, 31, 1426-1437.	3.5	44
52	Lipopeptide-Coated Iron Oxide Nanoparticles as Potential Glycoconjugate-Based Synthetic Anticancer Vaccines. ACS Applied Materials & Interfaces, 2015, 7, 17535-17544.	8.0	43
53	Synthesis of Branched Man5 Oligosaccharides and an Unusual Stereochemical Observation. Journal of Organic Chemistry, 2007, 72, 8976-8979.	3.2	40
54	Functionalization of magnetic nanoparticles with organic molecules: Loading level determination and evaluation of linker length effect on immobilization. Chirality, 2008, 20, 265-277.	2.6	40

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55	A simple method for the synthesis of hyaluronic acid coated magnetic nanoparticles for highly efficient cell labelling and in vivo imaging. RSC Advances, 2011, 1, 1449.	3.6	40
56	Fluorousâ€Assisted Oneâ€Pot Oligosaccharide Synthesis. European Journal of Organic Chemistry, 2010, 2010, 1290-1298.	2.4	38
57	Doxorubicin-Hyaluronan Conjugated Super-Paramagnetic Iron Oxide Nanoparticles (DOX-HA-SPION) Enhanced Cytoplasmic Uptake of Doxorubicin and Modulated Apoptosis, IL-6 Release and NF-kappaB Activity in Human MDA-MB-231 Breast Cancer Cells. Journal of Nanoscience and Nanotechnology, 2015, 15, 6413-6422.	0.9	38
58	Detection of Î²â€Amyloid by Sialic Acid Coated Bovine Serum Albumin Magnetic Nanoparticles in a Mouse Model of Alzheimer's Disease. Small, 2018, 14, 1701828.	10.0	38
59	Expedient Synthesis of Core Disaccharide Building Blocks from Natural Polysaccharides for Heparan Sulfate Oligosaccharide Assembly. Angewandte Chemie - International Edition, 2019, 58, 18577-18583.	13.8	38
60	Conversion of the carboxy group of sialic acid donors to a protected hydroxymethyl group yields an efficient reagent for the synthesis of the unnatural beta-linkage. Chemical Communications, 2001, , 974-975.	4.1	36
61	Chemical Synthesis of GM2 Glycans, Bioconjugation with Bacteriophage QÎ², and the Induction of Anticancer Antibodies. ChemBioChem, 2016, 17, 174-180.	2.6	35
62	Role of tandospirone, a 5-HT1A receptor partial agonist, in the treatment of central nervous system disorders and the underlying mechanisms. Oncotarget, 2017, 8, 102705-102720.	1.8	35
63	Antitumor Humoral and T Cell Responses by Mucin-1 Conjugates of Bacteriophage QÎ² in Wild-type Mice. ACS Chemical Biology, 2018, 13, 1668-1676.	3.4	35
64	Preâ€Activationâ€Based Stereoselective Glycosylations. European Journal of Organic Chemistry, 2018, 2018, 1075-1096.	2.4	34
65	Carbohydrate Sulfation As a Mechanism for Fine-Tuning Siglec Ligands. ACS Chemical Biology, 2021, 16, 2673-2689.	3.4	31
66	Structure-binding relation of philanthotoxins from nicotinic acetylcholine receptor binding assay. Bioorganic and Medicinal Chemistry, 1997, 5, 1969-1988.	3.0	30
67	Design and synthesis of cyclic sialyl Lewis X mimetics: a remarkable enhancement of inhibition by pre-organizing all essential functional groups. Tetrahedron Letters, 2000, 41, 9499-9503.	1.4	30
68	Synthesis of Solid-Supported Mirror-Image Sugars: A Novel Method for Selecting Receptors for Cellular-Surface Carbohydrates. ChemBioChem, 2001, 2, 741.	2.6	30
69	Development of drug loaded nanoparticles for tumor targeting. Part 1: synthesis, characterization, and biological evaluation in 2D cell cultures. Nanoscale, 2013, 5, 3895.	5.6	30
70	Solving challenging bioorganic problems by exciton coupled CD. Pure and Applied Chemistry, 1998, 70, 377-383.	1.9	29
71	A strategy for the one-pot synthesis of sialylated oligosaccharides. Canadian Journal of Chemistry, 2002, 80, 1051-1054.	1.1	29
72	Effects of Nanoprobe Morphology on Cellular Binding and Inflammatory Responses: Hyaluronan-Conjugated Magnetic Nanoworms for Magnetic Resonance Imaging of Atherosclerotic Plaques. ACS Applied Materials & Interfaces, 2018, 10, 11495-11507.	8.0	29

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73	(R)-(+)- and (S)-(â^')-1-(9-Phenanthryl)ethylamine: Assignment of Absolute Configuration by CD Tweezer and VCD Methods, and Difficulties Encountered with the CD Exciton Chirality Method. European Journal of Organic Chemistry, 2002, 2002, 1788-1796.	2.4	27
74	Thio-arylglycosides with various aglyconpara-substituents: a probe for studying chemical glycosylation reactions. Organic and Biomolecular Chemistry, 2009, 7, 117-127.	2.8	27
75	Chemical Synthesis of Syndecanâ€3 Glycopeptides Bearing Two Heparan Sulfate Glycan Chains. Angewandte Chemie - International Edition, 2014, 53, 9051-9058.	13.8	27
76	Preactivation-based chemoselective glycosylations: A powerful strategy for oligosaccharide assembly. Beilstein Journal of Organic Chemistry, 2017, 13, 2094-2114.	2.2	26
77	Recent advances in tumor associated carbohydrate antigen based chimeric antigen receptor T cells and bispecific antibodies for anti-cancer immunotherapy. Seminars in Immunology, 2020, 47, 101390.	5.6	26
78	Chemoenzymatic Syntheses of Tumorâ€Associated Carbohydrate Antigen Globoâ€H and Stageâ€Specific Embryonic Antigen 4. Advanced Synthesis and Catalysis, 2008, 350, 1717-1728.	4.3	25
79	Nanogram scale absolute configurational assignment of ceramides by circular dichroism. Tetrahedron Letters, 1999, 40, 7645-7649.	1.4	24
80	Pre-activation based stereoselective glycosylations: Stereochemical control by additives and solvent. Science China Chemistry, 2011, 54, 66-73.	8.2	24
81	Lipoic Acid Glyco-Conjugates, a New Class of Agents for Controlling Nonspecific Adsorption of Blood Serum at Biointerfaces for Biosensor and Biomedical Applications. Langmuir, 2010, 26, 4119-4125.	3.5	22
82	Directing the biological activities of heparan sulfate oligosaccharides using a chemoenzymatic approach. Glycobiology, 2012, 22, 96-106.	2.5	22
83	Nano-immunoimaging. Nanoscale Horizons, 2020, 5, 628-653.	8.0	22
84	Complex Coacervation-Integrated Hybrid Nanoparticles Increasing Plasmid DNA Delivery Efficiency in Vivo. ACS Applied Materials & Interfaces, 2016, 8, 30735-30746.	8.0	21
85	Valency and density matter: Deciphering impacts of immunogen structures on immune responses against a tumor associated carbohydrate antigen using synthetic glycopolymers. Biomaterials, 2016, 101, 189-198.	11.4	21
86	Chemoenzymatic Synthesis of 9NHAcâ€GD2 Antigen to Overcome the Hydrolytic Instability of Oâ€Acetylatedâ€GD2 for Anticancer Conjugate Vaccine Development. Angewandte Chemie - International Edition, 2021, 60, 24179-24188.	13.8	21
87	Synthetic standard aided quantification and structural characterization of amyloid-beta glycopeptides enriched from cerebrospinal fluid of Alzheimerâ€™s disease patients. Scientific Reports, 2019, 9, 5522.	3.3	20
88	Efficacy and Safety of Teneligliptin in Patients With Type 2 Diabetes Mellitus: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. Frontiers in Pharmacology, 2018, 9, 449.	3.5	19
89	Binding and neurotoxicity mitigation of toxic tau oligomers by synthetic heparin like oligosaccharides. Chemical Communications, 2018, 54, 10120-10123.	4.1	19
90	Synthetic and immunological studies of Salmonella Enteritidis O-antigen tetrasaccharides as potential anti-Salmonella vaccines. Chemical Communications, 2019, 55, 4519-4522.	4.1	19

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91	A versatile photothermal vaccine based on acid-responsive glyco-nanoplatform for synergistic therapy of cancer. Biomaterials, 2021, 273, 120792.	11.4	19
92	PD-1 Suppresses Development of Humoral Responses That Protect against Tn-Bearing Tumors. Cancer Immunology Research, 2016, 4, 1027-1037.	3.4	18
93	Synthesis of Chondroitin Sulfate A Bearing Syndecan-1 Glycopeptide. Organic Letters, 2017, 19, 4838-4841.	4.6	18
94	Chemical synthesis of human syndecan-4 glycopeptide bearing O-, N-sulfation and multiple aspartic acids for probing impacts of the glycan chain and the core peptide on biological functions. Chemical Science, 2020, 11, 6393-6404.	7.4	18
95	Chemical Synthesis and Anti-Inflammatory Activity of Bikunin Associated Chondroitin Sulfate 24-mer. ACS Central Science, 2020, 6, 913-920.	11.3	18
96	Syntheses of Salmonella Paratyphiâ€...A Associated Oligosaccharide Antigens and Development towards Antiâ€Paratyphoid Fever Vaccines. Chemistry - A European Journal, 2020, 26, 15953-15968.	3.3	18
97	Synthesis and immunological evaluation of the unnatural Î²-linked mucin-1 Thomsenâ€“Friedenreich conjugate. Organic and Biomolecular Chemistry, 2021, 19, 2448-2455.	2.8	17
98	Nanotechnology for Targeted Therapy of Atherosclerosis. Frontiers in Pharmacology, 2021, 12, 755569.	3.5	17
99	Benzenesulfinyl Morpholine: A New Promoter for One-Pot Oligosaccharide Synthesis Using Thioglycosides by Pre-Activation Strategy. Synlett, 2006, 2006, 2846-2850.	1.8	16
100	Delivery of foreign cytotoxic T lymphocyte epitopes to tumor tissues for effective antitumor immunotherapy against pre-established solid tumors in mice. Cancer Immunology, Immunotherapy, 2017, 66, 451-460.	4.2	16
101	Chemoenzymatic synthesis of glycopeptides bearing rare N-glycan sequences with or without bisecting GlcNAc. Chemical Science, 2018, 9, 8194-8206.	7.4	16
102	Total synthesis of the aminopropyl functionalized ganglioside GM1. Science China Chemistry, 2012, 55, 31-35.	8.2	15
103	Heparin nanoparticles for Î² amyloid binding and mitigation of Î² amyloid associated cytotoxicity. Carbohydrate Research, 2015, 405, 110-114.	2.3	15
104	Obstacles and solutions for chemical synthesis of syndecan-3 (53â€“62) glycopeptides with two heparan sulfate chains. Carbohydrate Research, 2016, 435, 180-194.	2.3	15
105	MiRNA Extraction from Cell-Free Biofluid Using Protein Corona Formed around Carboxyl Magnetic Nanoparticles. ACS Biomaterials Science and Engineering, 2018, 4, 654-662.	5.2	15
106	Synthesis and immunological evaluation of synthetic peptide based anti-SARS-CoV-2 vaccine candidates. Chemical Communications, 2021, 57, 1474-1477.	4.1	15
107	Synthesis aided structural determination of amyloid-Î²(1â€“15) glycopeptides, new biomarkers for Alzheimer's disease. Chemical Communications, 2014, 50, 15067-15070.	4.1	14
108	Nanoparticle-delivered miriplatin ultrasmall dots suppress triple negative breast cancer lung metastasis by targeting circulating tumor cells. Journal of Controlled Release, 2021, 329, 833-846.	9.9	13

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109	Developing Acidâ€Responsive Glycoâ€Nanoplatform Based Vaccines for Enhanced Cytotoxic Tâ€lymphocyte Responses Against Cancer and SARSâ€CoVâ€2. Advanced Functional Materials, 2021, 31, 2105059.	14.9	13
110	Carbohydrate antigen delivery by water soluble copolymers as potential anti-cancer vaccines. MedChemComm, 2014, 5, 1126-1129.	3.4	12
111	Design and syntheses of hyaluronan oligosaccharide conjugates as inhibitors of CD44-Hyaluronan binding. Glycoconjugate Journal, 2015, 32, 549-556.	2.7	12
112	Evaluation of Virus-Like Particle-Based Tumor-Associated Carbohydrate Immunogen in a Mouse Tumor Model. Methods in Enzymology, 2017, 597, 359-376.	1.0	12
113	Chemical Synthesis and Immunological Evaluation of a Pentasaccharide Bearing Multiple Rare Sugars as a Potential Antiâ€pertussis Vaccine. Angewandte Chemie, 2020, 132, 6513-6520.	2.0	12
114	Equipping Natural Killer Cells with Cetuximab through Metabolic Glycoengineering and Bioorthogonal Reaction for Targeted Treatment of KRAS Mutant Colorectal Cancer. ACS Chemical Biology, 2021, 16, 724-730.	3.4	12
115	Virus-like Particle Display of Vibrio cholerae O-Specific Polysaccharide as a Potential Vaccine against Cholera. ACS Infectious Diseases, 2022, 8, 574-583.	3.8	12
116	Synthesis ofN-acetyl Glucosamine Analogs as Inhibitors for Hyaluronan Biosynthesis. Journal of Carbohydrate Chemistry, 2013, 32, 392-409.	1.1	10
117	Synthesis of Carboxy-Dimethylmaleic Amide Linked Polymer Conjugate Based Ultra-pH-sensitive Nanoparticles for Enhanced Antitumor Immunotherapy. ACS Macro Letters, 2020, 9, 1693-1699.	4.8	10
118	Long-Range Stereodirecting Participation across a Glycosidic Linkage in Glycosylation Reactions. Organic Letters, 2021, 23, 1153-1156.	4.6	10
119	Synthesis of self-assembled hyaluronan based nanoparticles and their applications in targeted imaging and therapy. Carbohydrate Research, 2022, 511, 108500.	2.3	10
120	Structure Guided Design of Bacteriophage QÎ² Mutants as Next Generation Carriers for Conjugate Vaccines. ACS Chemical Biology, 2022, 17, 3047-3058.	3.4	10
121	Design and synthesis of active heparan sulfate-based probes. Chemical Communications, 2015, 51, 11019-11021.	4.1	9
122	Convergent chemoenzymatic synthesis and biological evaluation of a heparan sulfate proteoglycan syndecan-1 mimetic. Chemical Communications, 2021, 57, 3407-3410.	4.1	9
123	Expedient Synthesis of Core Disaccharide Building Blocks from Natural Polysaccharides for Heparan Sulfate Oligosaccharide Assembly. Angewandte Chemie, 2019, 131, 18750-18756.	2.0	8
124	Automated solid phase assisted synthesis of a heparan sulfate disaccharide library. Organic Chemistry Frontiers, 2022, 9, 2910-2920.	4.5	8
125	Radiosensitizing and Hyperthermic Properties of Hyaluronan Conjugated, Dextran-Coated Ferric Oxide Nanoparticles: Implications for Cancer Stem Cell Therapy. Journal of Nanomaterials, 2015, 2015, 1-11.	2.7	7
126	Identification of Lectins from Metastatic Cancer Cells through Magnetic Glyconanoparticles. Israel Journal of Chemistry, 2015, 55, 423-436.	2.3	7

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127	Tandospirone enhances the anti-myocardial fibrosis effect of valsartan in spontaneously hypertensive rats. Biomedicine and Pharmacotherapy, 2020, 126, 110073.	5.6	7
128	Isothermal holding processes of a reduced activation ferritic/martensitic steel to form a bainitic/martensitic multiphase microstructure and its mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 822, 141645.	5.6	7
129	Biological Applications of Hyaluronic Acid Functionalized Nanomaterials. ACS Symposium Series, 2011, , 181-213.	0.5	6
130	Improved outcome of targeted delivery of chemotherapy drugs to the brain using a combined strategy of ultrasound, magnetic targeting and drug-loaded nanoparticles. Therapeutic Delivery, 2011, 2, 137-141.	2.2	6
131	Synthesis ofO-Sulfated Human Syndecan-1-like Glyco-polypeptides by Incorporating Peptide Ligation andO-Sulfated Glycopeptide Cassette Strategies. Organic Letters, 2020, 22, 6429-6433.	4.6	6
132	Philanthotoxins and the Nicotinic Acetylcholine Receptor. ACS Symposium Series, 1997, , 339-353.	0.5	5
133	Chemoenzymatic Synthesis of Glycopeptides Bearing Galactoseâ€“Xylose Disaccharide from the Proteoglycan Linkage Region. Organic Letters, 2021, 23, 1738-1741.	4.6	5
134	Zinc Porphyrin Tweezer in Host-Guest Complexation: Determination of Absolute Configurations of Primary Monoamines by Circular Dichroism. Chemistry - A European Journal, 2000, 6, 216-224.	3.3	5
135	Mechanisms of cellular and humoral immunity through the lens of VLP-based vaccines. Expert Review of Vaccines, 2022, 21, 453-469.	4.4	5
136	Comparative study of energy-transfer processes in several porphyrin-based artificial light-harvesting molecules. Journal of Luminescence, 2005, 112, 454-457.	3.1	4
137	Chemical Syntheses of Hyaluronic Acid Oligosaccharides. ACS Symposium Series, 2008, , 29-53.	0.5	4
138	Boosting Humoral Immune Responses to Tumor-associated Carbohydrate Antigens with Virus-like Particles. RSC Drug Discovery Series, 2015, , 132-150.	0.3	4
139	Heparin mimetics as tools for modulation of biology and therapy. , 2020, , 71-96.		4
140	Probing Amyloid Î² Interactions with Synthetic Heparan Sulfate Oligosaccharides. ACS Chemical Biology, 2021, 16, 1894-1899.	3.4	4
141	Synthesis of sialic acid conjugates of the clinical near-infrared dye as next-generation theranostics for cancer phototherapy. Journal of Materials Chemistry B, 2022, 10, 927-934.	5.8	4
142	Spectroscopic Studies of PhTX Facilitated Cation Movement Across Membranes. Bioorganic and Medicinal Chemistry, 1999, 7, 811-814.	3.0	3
143	Homoserine as an Aspartic Acid Precursor for Synthesis of Proteoglycan Glycopeptide Containing Aspartic Acid and a Sulfated Glycan Chain. Journal of Organic Chemistry, 2016, 81, 12052-12059.	3.2	3
144	Exploration of human xylosyltransferase for chemoenzymatic synthesis of proteoglycan linkage region. Organic and Biomolecular Chemistry, 2021, 19, 3374-3378.	2.8	3

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145	Design and Synthesis of Bovine Leukemia Virus-Associated Peptide-Based QÎ² Conjugate Eliciting Long-Lasting Neutralizing Antibodies in Mice. ACS Infectious Diseases, 2022, 8, 1031-1040.	3.8	3
146	Synthetic linear glycopolymers and their biological applications. Journal of Carbohydrate Chemistry, 2021, 40, 1-44.	1.1	2
147	Chemoenzymatic Synthesis of 9NHAcâ€GD2 Antigen to Overcome the Hydrolytic Instability of Oâ€Acetylatedâ€GD2 for Anticancer Conjugate Vaccine Development. Angewandte Chemie, 2021, 133, 24381.	2.0	2
148	Synthesis of Chondroitin Sulfate Oligosaccharides and Chondroitin Sulfate Glycopeptides. Chemical Biology, 2019, , 172-206.	0.2	2
149	Strategies in Synthesis of Heparin/Heparan Sulfate Oligosaccharides: 2000â€“Present. Advances in Carbohydrate Chemistry and Biochemistry, 2021, 80, 121-164.	0.9	2
150	Inside Cover: Preactivation-Based, One-Pot Combinatorial Synthesis of Heparin-like Hexasaccharides for the Analysis of Heparin-Protein Interactions (Chem. Eur. J. 28/2010). Chemistry - A European Journal, 2010, 16, 8218-8218.	3.3	1
151	Towards Synthesis of Heparan Sulfate Glycopeptides and Proteoglycans. Chemical Biology, 2017, , 209-232.	0.2	1
152	Recent advances on glycosyltransferases involved in the biosynthesis of the proteoglycan linkage region. Advances in Carbohydrate Chemistry and Biochemistry, 2021, 80, 95-119.	0.9	1
153	Sulfated Glycoprotein Synthesis. Methods in Molecular Biology, 2022, , 1-17.	0.9	1
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