You Yang

List of Publications by Year
in descending order

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49 papers	2,969 citations	331259 21 h-index	189595 50 g-index
57 all docs	57 docs citations	57 times ranked	2967 citing authors

#	Article	IF	Citations
1	Recent Advances in the Chemical Synthesis of C-Glycosides. Chemical Reviews, 2017, 117, 12281-12356.	23.0	398
2	An efficient glycosylation protocol with glycosyl ortho-alkynylbenzoates as donors under the catalysis of Ph3PAuOTf. Tetrahedron Letters, 2008, 49, 3604-3608.	0.7	288
3	Complex-Surfactant-Assisted Hydrothermal Route to Ferromagnetic Nickel Nanobelts. Advanced Materials, 2003, 15, 1946-1948.	11.1	280
4	Synthesis of Copper Nanowires via a Complex-Surfactant-Assisted Hydrothermal Reduction Process. Journal of Physical Chemistry B, 2003, 107, 12658-12661.	1.2	230
5	Large-Scale Synthesis of Ultralong Bi2S3 Nanoribbons via a Solvothermal Process. Advanced Materials, 2003, 15, 936-940.	11.1	210
6	Gold(I)â€Catalyzed Glycosylation with Glycosyl orthoâ€Alkynylbenzoates as Donors: General Scope and Application in the Synthesis of a Cyclic Triterpene Saponin. Chemistry - A European Journal, 2010, 16, 1871-1882.	1.7	206
7	Size-Controlled Synthesis and Growth Mechanism of Monodisperse Tellurium Nanorods by a Surfactant-Assisted Method. Langmuir, 2004, 20, 214-218.	1.6	159
8	O-Glycosylation methods in the total synthesis of complex natural glycosides. Natural Product Reports, 2015, 32, 1331-1355.	5.2	158
9	Total Synthesis and Structural Revision of TMG-chitotriomycin, a Specific Inhibitor of Insect and Fungal Î²-N-Acetylglucosaminidases. Journal of the American Chemical Society, 2009, 131, 12076-12077.	6.6	111
10	Shape-controlled synthesis and growth mechanism of one-dimensional nanostructures of trigonal tellurium. New Journal of Chemistry, 2003, 27, 1748.	1.4	106
11	Microbe-focused glycan array screening platform. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1958-1967.	3.3	71
12	Chemical Synthesis of Saponins. Advances in Carbohydrate Chemistry and Biochemistry, 2014, 71, 137-226.	0.4	67
13	Recent advances in the synthesis of chitooligosaccharides and congeners. Tetrahedron, 2014, 70, 1023-1046.	1.0	63
14	Total synthesis of the core tetrasaccharide of Neisseria meningitidislipopolysaccharide, a potential vaccine candidate for meningococcal diseases. Chemical Science, 2012, 3, 896-899.	3.7	54
15	Diversity-oriented Synthesis of Inner Core Oligosaccharides of the Lipopolysaccharide of Pathogenic Gram-negative Bacteria. Journal of the American Chemical Society, 2013, 135, 6262-6271.	6.6	53
16	ortho-(Methyltosylaminoethynyl)benzyl glycosides as new glycosyl donors for latent-active glycosylation. Chemical Communications, 2015, 51, 13957-13960.	2.2	49
17	Synthesis, Evaluation, and Mechanism of N,N,Nâ€Trimethylâ€<scp>D</scp>â€glucosamineâ€(1â†’4)â€chitooligosaccharides as Selective Inhibitors of Glycosyl Hydrolase Family 20 Î²â€Nâ€Acetylâ€<scp>D</scp>â€hexosaminidases. ChemBioChem, 2011, 12, 457-467.	1.3	42
18	Antigenic Potential of a Highly Conserved Neisseria meningitidis Lipopolysaccharide Inner Core Structure Defined by Chemical Synthesis. Chemistry and Biology, 2015, 22, 38-49.	6.2	41

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19	Gold(I)-Catalyzed Glycosylation with Glycosyl Ynenoates as Donors. Organic Letters, 2019, 21, 9693-9698.	2.4	30
20	Efficient synthesis of a library of heparin tri- and tetrasaccharides relevant to the substrate of heparanase. Organic Chemistry Frontiers, 2014, 1, 405-414.	2.3	26
21	Chemoselective glycosylation of carboxylic acid with glycosyl ortho-hexynylbenzoates as donors. Tetrahedron Letters, 2010, 51, 1504-1507.	0.7	25
22	Epitope Recognition of Antibodies against a Yersinia pestis Lipopolysaccharide Trisaccharide Component. ACS Chemical Biology, 2014, 9, 867-873.	1.6	21
23	Naturally Occurring Polyphenolic Glucosidase Inhibitors. Israel Journal of Chemistry, 2015, 55, 268-284.	1.0	20
24	Chemical synthesis of polysaccharides. Current Opinion in Chemical Biology, 2022, 69, 102154.	2.8	20
25	Gold(I)-catalyzed synthesis of Î²-Kdo glycosides using Kdo ortho-hexynylbenzoate as donor. Carbohydrate Research, 2017, 448, 161-165.	1.1	19
26	NIS/TMSOTf-Promoted Glycosidation of Glycosyl ortho-Hexynylbenzoates for Versatile Synthesis of O-Glycosides and Nucleosides. Journal of Organic Chemistry, 2021, 86, 4763-4778.	1.7	18
27	N-Dimethylphosphoryl-protected glucosamine trichloroacetimidate as an effective glycosylation donor. Tetrahedron Letters, 2007, 48, 4557-4560.	0.7	17
28	Structure binding relationship of human surfactant protein D and various lipopolysaccharide inner core structures. Journal of Structural Biology, 2016, 195, 387-395.	1.3	16
29	Synthesis of 3-C-Branched Kdo Analogues via Sonogashira Coupling of 3-Iodo Kdo Glycal with Terminal Alkynes. Journal of Organic Chemistry, 2018, 83, 6171-6177.	1.7	15
30	Dimethylformamide-Modulated Kdo Glycosylation for Stereoselective Synthesis of Î±-Kdo Glycosides. Organic Letters, 2020, 22, 981-985.	2.4	14
31	Photolabile Protecting <scp>Groupâ€Mediated</scp> Synthesis of <scp>2â€Deoxyâ€Glycosides</scp>. Chinese Journal of Chemistry, 2021, 39, 3309-3314.	2.6	14
32	Chemical Synthesis of Saponins. Advances in Carbohydrate Chemistry and Biochemistry, 2021, 79, 63-150.	0.4	12
33	N-Dimethylphosphoryl-protection in the efficient synthesis of glucosamine-containing oligosaccharides with alternate N-acyl substitutions. Tetrahedron Letters, 2007, 48, 7049-7052.	0.7	10
34	Gold(I)-Catalyzed Intermolecular Rearrangement Reaction of Glycosyl Alkynoic Î²-Ketoesters for the Synthesis of 4-O-Glycosylated 2-Pyrones. Journal of Organic Chemistry, 2019, 84, 14141-14150.	1.7	10
35	Total Synthesis of the Trisaccharide Antigen of the Campylobacter jejuni RM1221 Capsular Polysaccharide via de Novo Synthesis of the 6-Deoxy-<scp>d</scp>-manno-heptose Building Blocks. Journal of Organic Chemistry, 2019, 84, 2393-2403.	1.7	10
36	Total Synthesis and Immunological Evaluation of the Tri-<scp>d</scp>-glycero-<scp>d</scp>-manno-heptose Antigen of the Lipopolysaccharide as a Vaccine Candidate against Helicobacter pylori. Organic Letters, 2020, 22, 8780-8785.	2.4	10

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37	An efficient approach to chloro(organophosphine) gold(<scp>i</scp>) complexes for the synthesis of auranofin. Green Chemistry, 2017, 19, 634-637.	4.6	9
38	Highly convergent synthesis of a Î²-mannuronic acid alginate hexadecasaccharide. Organic and Biomolecular Chemistry, 2019, 17, 6174-6177.	1.5	9
39	Synthesis of <scp>l</scp>-glycero- and <scp>d</scp>-glycero-<scp>d</scp>-manno-Heptose Building Blocks for Stereoselective Assembly of the Lipopolysaccharide Core Trisaccharide of Vibrio parahemolyticus O2. Organic Letters, 2020, 22, 8018-8022.	2.4	9
40	Automated Chemical <scp>Solidâ€Phase</scp> Synthesis of Glycans. Chinese Journal of Chemistry, 2022, 40, 1714-1728.	2.6	8
41	Gold(<scp>i</scp>)-promoted Î±-selective sialylation of glycosylortho-hexynylbenzoates for the latent-active synthesis of oligosialic acids. Organic and Biomolecular Chemistry, 2019, 17, 6580-6584.	1.5	6
42	Gold(I)-promoted synthesis of a Î²-(1,3)-glucan hexadecasaccharide via the highly convergent strategy. Carbohydrate Research, 2019, 482, 107735.	1.1	6
43	Synthesis and immunomodulatory activity of the sulfated tetrasaccharide motif of type B ulvanobiuronic acid 3-sulfate. Organic and Biomolecular Chemistry, 2020, 18, 7932-7935.	1.5	6
44	Synthesis of D-manno-heptulose via a cascade aldol/hemiketalization reaction. Beilstein Journal of Organic Chemistry, 2017, 13, 795-799.	1.3	4
45	Synthesis of the Î²-linked GalNAc-Kdo disaccharide antigen of the capsular polysaccharide of Kingella kingae KK01. Organic and Biomolecular Chemistry, 2019, 17, 1694-1697.	1.5	4
46	Promoter-Assisted Stereoselective Synthesis of the 6-Deoxy-Î²-<scp>d</scp>-manno-heptopyranose Oligosaccharides. Organic Letters, 2021, 23, 3216-3220.	2.4	4
47	Design, Synthesis, and Evaluation of Ribose-Modified Anilinopyrimidine Derivatives as EGFR Tyrosine Kinase Inhibitors. Frontiers in Chemistry, 2017, 5, 101.	1.8	3
48	Rapid and efficient conversion of sialyl thioglycosides to sialyl esters via NIS/BF 3 OEt 2 -promoted glycosylation. Tetrahedron Letters, 2017, 58, 2370-2373.	0.7	2
49	Shape-Controlled Synthesis and Growth Mechanism of One-Dimensional Nanostructures of Trigonal Tellurium.. ChemInform, 2004, 35, no.	0.1	1