

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	Automated Chemical <i>Ortho</i> -Hexynylbenzoate Promoted Synthesis of Glycans. Chinese Journal of Chemistry, 2022, 40, 1714-1728.	2.6	8
2	Chemical synthesis of polysaccharides. Current Opinion in Chemical Biology, 2022, 69, 102154.	2.8	20
3	NIS/TMSOTf-Promoted Glycosidation of Glycosyl <i>Ortho</i> -Hexynylbenzoates for Versatile Synthesis of <i>O</i> -Glycosides and Nucleosides. Journal of Organic Chemistry, 2021, 86, 4763-4778.	1.7	18
4	Promoter-Assisted Stereoselective Synthesis of the 6-Deoxy- β -D-Glucopyranose-2-O-Mannopyranose Oligosaccharides. Organic Letters, 2021, 23, 3216-3220.	2.4	4
5	Photolabile Protecting Group-Mediated Synthesis of α -D-Glucopyranosides. Chinese Journal of Chemistry, 2021, 39, 3309-3314.	2.6	14
6	Chemical Synthesis of Saponins. Advances in Carbohydrate Chemistry and Biochemistry, 2021, 79, 63-150.	0.4	12
7	Dimethylformamide-Modulated Kdo Glycosylation for Stereoselective Synthesis of β -Kdo Glycosides. Organic Letters, 2020, 22, 981-985.	2.4	14
8	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
9	Total Synthesis and Immunological Evaluation of the Tri- β -D-Glucopyranose- β -D-Glucopyranose- β -D-Mannopyranose Antigen of the Lipopolysaccharide as a Vaccine Candidate against <i>Helicobacter pylori</i> . Organic Letters, 2020, 22, 8780-8785.	2.4	10
10	Synthesis of β -D-Glucopyranose- β -D-Glucopyranose- β -D-Mannopyranose Heptose Building Blocks for Stereoselective Assembly of the Lipopolysaccharide Core Trisaccharide of <i>Vibrio parahemolyticus</i> O2. Organic Letters, 2020, 22, 8018-8022.	2.4	9
11	Gold(I)-Catalyzed Intermolecular Rearrangement Reaction of Glycosyl Alkynoic β -Ketoesters for the Synthesis of 4-O-Glycosylated 2-Pyrones. Journal of Organic Chemistry, 2019, 84, 14141-14150.	1.7	10
12	Synthesis of the β -linked GalNAc-Kdo disaccharide antigen of the capsular polysaccharide of <i>Kingella kingae</i> KK01. Organic and Biomolecular Chemistry, 2019, 17, 1694-1697.	1.5	4
13	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
14	Total Synthesis of the Trisaccharide Antigen of the <i>Campylobacter jejuni</i> RM1221 Capsular Polysaccharide via de Novo Synthesis of the 6-Deoxy- β -D-Glucopyranose- β -D-Mannopyranose Heptose Building Blocks. Journal of Organic Chemistry, 2019, 84, 2393-2403.	1.7	10
15	Gold(I)-promoted β -selective sialylation of glycosyl <i>ortho</i> -hexynylbenzoates for the latent-active synthesis of oligosialic acids. Organic and Biomolecular Chemistry, 2019, 17, 6580-6584.	1.5	6
16	Gold(I)-promoted synthesis of a β -(1,3)-glucan hexadecasaccharide via the highly convergent strategy. Carbohydrate Research, 2019, 482, 107735.	1.1	6
17	Highly convergent synthesis of a β -mannuronic acid alginate hexadecasaccharide. Organic and Biomolecular Chemistry, 2019, 17, 6174-6177.	1.5	9
18	Gold(I)-Catalyzed Glycosylation with Glycosyl Ynenoates as Donors. Organic Letters, 2019, 21, 9693-9698.	2.4	30

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19	Synthesis of 3- <i>C</i> -Branched Kdo Analogues via Sonogashira Coupling of 3-Iodo Kdo Glycal with Terminal Alkynes. <i>Journal of Organic Chemistry</i> , 2018, 83, 6171-6177.	1.7	15
20	Rapid and efficient conversion of sialyl thioglycosides to sialyl esters via NIS/BF ₃ ·OEt ₂ -promoted glycosylation. <i>Tetrahedron Letters</i> , 2017, 58, 2370-2373.	0.7	2
21	Gold(I)-catalyzed synthesis of 1 ² -Kdo glycosides using Kdo ortho-hexynylbenzoate as donor. <i>Carbohydrate Research</i> , 2017, 448, 161-165.	1.1	19
22	An efficient approach to chloro(organophosphine) gold(<i>sc</i>) complexes for the synthesis of auranofin. <i>Green Chemistry</i> , 2017, 19, 634-637.	4.6	9
23	Recent Advances in the Chemical Synthesis of <i>C</i> -Glycosides. <i>Chemical Reviews</i> , 2017, 117, 12281-12356.	23.0	398
24	Design, Synthesis, and Evaluation of Ribose-Modified Anilinopyrimidine Derivatives as EGFR Tyrosine Kinase Inhibitors. <i>Frontiers in Chemistry</i> , 2017, 5, 101.	1.8	3
25	Synthesis of D-manno-heptulose via a cascade aldol/hemiketalization reaction. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 795-799.	1.3	4
26	Structure binding relationship of human surfactant protein D and various lipopolysaccharide inner core structures. <i>Journal of Structural Biology</i> , 2016, 195, 387-395.	1.3	16
27	Antigenic Potential of a Highly Conserved <i>Neisseria meningitidis</i> Lipopolysaccharide Inner Core Structure Defined by Chemical Synthesis. <i>Chemistry and Biology</i> , 2015, 22, 38-49.	6.2	41
28	Naturally Occurring Polyphenolic Glucosidase Inhibitors. <i>Israel Journal of Chemistry</i> , 2015, 55, 268-284.	1.0	20
29	ortho-(Methyltosylaminoethynyl)benzyl glycosides as new glycosyl donors for latent-active glycosylation. <i>Chemical Communications</i> , 2015, 51, 13957-13960.	2.2	49
30	O-Glycosylation methods in the total synthesis of complex natural glycosides. <i>Natural Product Reports</i> , 2015, 32, 1331-1355.	5.2	158
31	Chemical Synthesis of Saponins. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2014, 71, 137-226.	0.4	67
32	Recent advances in the synthesis of chitooligosaccharides and congeners. <i>Tetrahedron</i> , 2014, 70, 1023-1046.	1.0	63
33	Efficient synthesis of a library of heparin tri- and tetrasaccharides relevant to the substrate of heparanase. <i>Organic Chemistry Frontiers</i> , 2014, 1, 405-414.	2.3	26
34	Epitope Recognition of Antibodies against a <i>Yersinia pestis</i> Lipopolysaccharide Trisaccharide Component. <i>ACS Chemical Biology</i> , 2014, 9, 867-873.	1.6	21
35	Diversity-oriented Synthesis of Inner Core Oligosaccharides of the Lipopolysaccharide of Pathogenic Gram-negative Bacteria. <i>Journal of the American Chemical Society</i> , 2013, 135, 6262-6271.	6.6	53
36	Total synthesis of the core tetrasaccharide of <i>Neisseria meningitidis</i> lipopolysaccharide, a potential vaccine candidate for meningococcal diseases. <i>Chemical Science</i> , 2012, 3, 896-899.	3.7	54

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37	Synthesis, Evaluation, and Mechanism of <i>N</i> -Trimethyl- <i>N</i> -(1- <i>N</i> -acetylglucosamine(1 \rightarrow 4)-chitooligosaccharides as Selective Inhibitors of Glycosyl Hydrolase Family 20 <i>N</i> -Acetyl- <i>N</i> -hexosaminidases. <i>ChemBioChem</i> , 2011, 12, 457-467.	1.3	42
38	Gold(I)-Catalyzed Glycosylation with Glycosyl <i>ortho</i> -Alkynylbenzoates as Donors: General Scope and Application in the Synthesis of a Cyclic Triterpene Saponin. <i>Chemistry - A European Journal</i> , 2010, 16, 1871-1882.	1.7	206
39	Chemoselective glycosylation of carboxylic acid with glycosyl <i>ortho</i> -hexynylbenzoates as donors. <i>Tetrahedron Letters</i> , 2010, 51, 1504-1507.	0.7	25
40	Total Synthesis and Structural Revision of TMG-chitotriomycin, a Specific Inhibitor of Insect and Fungal <i>N</i> -Acetylglucosaminidases. <i>Journal of the American Chemical Society</i> , 2009, 131, 12076-12077.	6.6	111
41	An efficient glycosylation protocol with glycosyl <i>ortho</i> -alkynylbenzoates as donors under the catalysis of Ph ₃ PAuOTf. <i>Tetrahedron Letters</i> , 2008, 49, 3604-3608.	0.7	288
42	<i>N</i> -Dimethylphosphoryl-protected glucosamine trichloroacetimidate as an effective glycosylation donor. <i>Tetrahedron Letters</i> , 2007, 48, 4557-4560.	0.7	17
43	<i>N</i> -Dimethylphosphoryl-protection in the efficient synthesis of glucosamine-containing oligosaccharides with alternate <i>N</i> -acyl substitutions. <i>Tetrahedron Letters</i> , 2007, 48, 7049-7052.	0.7	10
44	Shape-Controlled Synthesis and Growth Mechanism of One-Dimensional Nanostructures of Trigonal Tellurium.. <i>ChemInform</i> , 2004, 35, no.	0.1	1
45	Size-Controlled Synthesis and Growth Mechanism of Monodisperse Tellurium Nanorods by a Surfactant-Assisted Method. <i>Langmuir</i> , 2004, 20, 214-218.	1.6	159
46	Large-Scale Synthesis of Ultralong Bi ₂ S ₃ Nanoribbons via a Solvothermal Process. <i>Advanced Materials</i> , 2003, 15, 936-940.	11.1	210
47	Complex-Surfactant-Assisted Hydrothermal Route to Ferromagnetic Nickel Nanobelts. <i>Advanced Materials</i> , 2003, 15, 1946-1948.	11.1	280
48	Synthesis of Copper Nanowires via a Complex-Surfactant-Assisted Hydrothermal Reduction Process. <i>Journal of Physical Chemistry B</i> , 2003, 107, 12658-12661.	1.2	230
49	Shape-controlled synthesis and growth mechanism of one-dimensional nanostructures of trigonal tellurium. <i>New Journal of Chemistry</i> , 2003, 27, 1748.	1.4	106