

Biao Yu

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

280
papers

8,675
citations

50
h-index

76
g-index

325
ext. papers

9,750
ext. citations

6
avg, IF

6.61
L-index

#	Paper	IF	Citations
280	Glycosyl trifluoroacetimidates. Part 1: Preparation and application as new glycosyl donors. <i>Tetrahedron Letters</i> , 2001 , 42, 2405-2407	2	260
279	Recent Advances in the Chemical Synthesis of C-Glycosides. <i>Chemical Reviews</i> , 2017 , 117, 12281-12356	68.1	236
278	An efficient glycosylation protocol with glycosyl ortho-alkynylbenzoates as donors under the catalysis of Ph ₃ PAuOTf. <i>Tetrahedron Letters</i> , 2008 , 49, 3604-3608	2	233
277	Gold(I)-catalyzed glycosylation with glycosyl ortho-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	4.8	178
276	Glycosylation with glycosyl N-phenyltrifluoroacetimidates (PTFAI) and a perspective of the future development of new glycosylation methods. <i>Chemical Communications</i> , 2010 , 46, 4668-79	5.8	146
275	Assembly of naturally occurring glycosides, evolved tactics, and glycosylation methods. <i>Accounts of Chemical Research</i> , 2012 , 45, 1227-36	24.3	141
274	Gold(I)-Catalyzed Glycosylation with Glycosyl o-Alkynylbenzoates as Donors. <i>Accounts of Chemical Research</i> , 2018 , 51, 507-516	24.3	132
273	O-Glycosylation methods in the total synthesis of complex natural glycosides. <i>Natural Product Reports</i> , 2015 , 32, 1331-55	15.1	130
272	Thioglycosides in Carbohydrate research. <i>Carbohydrate Research</i> , 2015 , 403, 13-22	2.9	129
271	Mechanistic insights into the gold(I)-catalyzed activation of glycosyl ortho-alkynylbenzoates for glycosidation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18396-405	16.4	128
270	First Total Synthesis of an Exceptionally Potent Antitumor Saponin, OSW-1. <i>Journal of Organic Chemistry</i> , 1999 , 64, 202-208	4.2	128
269	Effects of polyphyllin D, a steroidal saponin in Paris polyphylla, in growth inhibition of human breast cancer cells and in xenograft. <i>Cancer Biology and Therapy</i> , 2005 , 4, 1248-54	4.6	125
268	Polyphyllin D is a potent apoptosis inducer in drug-resistant HepG2 cells. <i>Cancer Letters</i> , 2005 , 217, 203-219	3.9	124
267	Characterization of the isochromen-4-yl-gold(I) intermediate in the gold(I)-catalyzed glycosidation of glycosyl ortho-alkynylbenzoates and enhancement of the catalytic efficiency thereof. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 8329-32	16.4	121
266	An efficient approach to the synthesis of nucleosides: gold(I)-catalyzed N-glycosylation of pyrimidines and purines with glycosyl ortho-alkynyl benzoates. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4933-6	16.4	114
265	Exploration of the correlation between the structure, hemolytic activity, and cytotoxicity of steroid saponins. <i>Bioorganic and Medicinal Chemistry</i> , 2007 , 15, 2528-32	3.4	106
264	Glycosyl trifluoroacetimidates. 2. Synthesis of dioscin and xiebai saponin I. <i>Journal of Organic Chemistry</i> , 2002 , 67, 9099-102	4.2	105

263	Total synthesis and structural revision of TMG-chitotriomycin, a specific inhibitor of insect and fungal beta-N-acetylglucosaminidases. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12076-7	16.4	104
262	Resveratrol glucuronides as the metabolites of resveratrol in humans: characterization, synthesis, and anti-HIV activity. <i>Journal of Pharmaceutical Sciences</i> , 2004 , 93, 2448-57	3.9	91
261	Efficient sialylation with phenyltrifluoroacetimidates as leaving groups. <i>Organic Letters</i> , 2003 , 5, 3827-30	6.2	89
260	Carbohydrate Chemistry in the Total Synthesis of Saponins. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 5145-5161	3.2	84
259	Total synthesis of landomycin A, a potent antitumor angucycline antibiotic. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12433-5	16.4	82
258	Kinetic analysis of an efficient DNA-dependent TNA polymerase. <i>Journal of the American Chemical Society</i> , 2005 , 127, 7427-34	16.4	80
257	An in vitro selection system for TNA. <i>Journal of the American Chemical Society</i> , 2005 , 127, 2802-3	16.4	80
256	Facile synthesis of flavonoid 7-O-glycosides. <i>Journal of Organic Chemistry</i> , 2003 , 68, 6842-5	4.2	80
255	First Synthesis of a Bidesmosidic Triterpene Saponin by a Highly Efficient Procedure. <i>Journal of the American Chemical Society</i> , 1999 , 121, 12196-12197	16.4	77
254	Polyphyllin D induces apoptosis in human erythrocytes through Ca ²⁺ rise and membrane permeabilization. <i>Archives of Toxicology</i> , 2012 , 86, 741-52	5.8	75
253	Highly stereoselective β -mannopyranosylation via the 1- β -glycosyloxy-isochromenylium-4-gold(I) intermediates. <i>Chemistry - A European Journal</i> , 2015 , 21, 8771-80	4.8	71
252	Highly Efficient Glycosylation of Sapogenins. <i>Journal of Organic Chemistry</i> , 1999 , 64, 7265-7266	4.2	69
251	Polyphyllin D induces mitochondrial fragmentation and acts directly on the mitochondria to induce apoptosis in drug-resistant HepG2 cells. <i>Cancer Letters</i> , 2008 , 261, 158-64	9.9	66
250	Synthesis of three diosgenyl saponins: dioscin, polyphyllin D, and balanitin 7. <i>Carbohydrate Research</i> , 1999 , 317, 53-62	2.9	63
249	Total synthesis of nucleoside antibiotic A201A. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4157-60	16.4	62
248	An improved synthesis of the saponin, polyphyllin D. <i>Carbohydrate Research</i> , 2001 , 331, 1-7	2.9	60
247	Chemical synthesis of saponins. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2014 , 71, 137-226	3.7	59
246	Identification of 3,6-di-O-acetyl-1,2,4-O-orthoacetyl- β -D-glucopyranose as a direct evidence for the 4-O-acyl group participation in glycosylation. <i>Chemical Communications</i> , 2011 , 47, 7515-7	5.8	59

- 245 Synthesis of kaempferol 3-O-(3'',6''-di-O-E-p-coumaroyl)- β -D-glucopyranoside, efficient glycosylation of flavonol 3-OH with glycosyl o-alkynylbenzoates as donors. *Journal of Organic Chemistry*, **2010**, 75, 6879-88 4.2 59
- 244 Total Synthesis of Tricolorin A. *Journal of Organic Chemistry*, **1997**, 62, 8400-8405 4.2 59
- 243 A modular approach to the total synthesis of tunicamycins. *Angewandte Chemie - International Edition*, **2015**, 54, 6618-21 16.4 58
- 242 Current synthesis of triterpene saponins. *Chemistry - an Asian Journal*, **2009**, 4, 642-54 4.5 57
- 241 Naturally occurring dimers from chemical perspective. *Chemistry and Biodiversity*, **2010**, 7, 2660-91 2.5 57
- 240 One-Pot Glycosylation (OPG) for the Chemical Synthesis of Oligosaccharides. *Current Organic Chemistry*, **2005**, 9, 179-194 1.7 55
- 239 Synthesis of a group of diosgenyl saponins with combined use of glycosyl trichloroacetimidate and thioglycoside donors. *Journal of the Chemical Society, Perkin Transactions 1*, **2000**, 1445-1453 54
- 238 Total synthesis of lobatoside E, a potent antitumor cyclic triterpene saponin. *Journal of the American Chemical Society*, **2008**, 130, 5872-3 16.4 53
- 237 Triterpenoids from *Sanguisorba officinalis*. *Phytochemistry*, **2005**, 66, 1671-9 4 53
- 236 Efficient synthesis of the hexasaccharide fragment of landomycin A: using phenyl 2,3-O-thionocarbonyl-1-thioglycosides as 2-deoxy-beta-glycoside precursors. *Organic Letters*, **2002**, 4, 1919-22 6.2 53
- 235 Total synthesis of periploside A, a unique pregnane hexasaccharide with potent immunosuppressive effects. *Nature Communications*, **2015**, 6, 5879 17.4 52
- 234 Synthetic access toward the diverse ginsenosides. *Chemical Science*, **2013**, 4, 3899 9.4 51
- 233 Assembly of digitoxin by gold(I)-catalyzed glycosidation of glycosyl o-alkynylbenzoates. *Journal of Organic Chemistry*, **2011**, 76, 9748-56 4.2 51
- 232 Polyphyllin D, a steroidal saponin from *Paris polyphylla*, inhibits endothelial cell functions in vitro and angiogenesis in zebrafish embryos in vivo. *Journal of Ethnopharmacology*, **2011**, 137, 64-9 5 50
- 231 Iridoids from the rhizomes and roots of *Valeriana jatamansi*. *Journal of Natural Products*, **2002**, 65, 1949-52 50
- 230 Gold-catalyzed glycosylation in the synthesis of complex carbohydrate-containing natural products. *Chemical Society Reviews*, **2018**, 47, 7954-7984 58.5 49
- 229 OSW saponins: facile synthesis toward a new type of structures with potent antitumor activities. *Journal of Organic Chemistry*, **2005**, 70, 10354-67 4.2 49
- 228 Recent advances in the synthesis of chitooligosaccharides and congeners. *Tetrahedron*, **2014**, 70, 1023-1046 47

227	23-oxa-analogues of OSW-1: efficient synthesis and extremely potent antitumor activity. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4324-7	16.4	47
226	Two new flavonol glycosides from <i>Gymnema sylvestre</i> and <i>Euphorbia ebracteolata</i> . <i>Carbohydrate Research</i> , 2004 , 339, 891-5	2.9	47
225	Gold(I)-catalyzed glycosidation of 1,2-anhydrosugars. <i>Journal of Organic Chemistry</i> , 2008 , 73, 4323-5	4.2	46
224	A dramatic concentration effect on the stereoselectivity of N-glycosylation for the synthesis of 2'-deoxy- β -ribonucleosides. <i>Chemical Communications</i> , 2012 , 48, 7097-9	5.8	45
223	Rearrangement of sugar 1,2-orthoesters to glycosidic products: a mechanistic implication. <i>Carbohydrate Research</i> , 2000 , 329, 879-84	2.9	44
222	A Recyclable Polystyrene-Supported Gold(I) Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 1903-1907	5.9	43
221	Synthesis of a typical N-acetylglucosamine-containing saponin, oleanolic acid 3-yl α -L-arabinopyranosyl-(1 \rightarrow 2)- α -L-arabinopyranosyl-(1 \rightarrow 6)-2-acetamido-2-deoxy-beta-D-glucopyranoside. <i>Carbohydrate Research</i> , 2003 , 338, 827-33	4.3	43
220	Apoptosis induced by a new member of saponin family is mediated through caspase-8-dependent cleavage of Bcl-2. <i>Molecular Pharmacology</i> , 2005 , 68, 1831-8	4.3	43
219	Synthesis of OSW-1 analogs with modified side chains and their antitumor activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004 , 14, 2781-5	2.9	42
218	Total synthesis of the antiallergic naphtho- α -pyrone tetraglucoside, cassiaside C(2), isolated from cassia seeds. <i>Journal of Organic Chemistry</i> , 2003 , 68, 6309-13	4.2	42
217	Efficient synthesis of lupane-type saponins via gold(I)-catalyzed glycosylation with glycosyl ortho-alkynylbenzoates as donors. <i>Organic Letters</i> , 2011 , 13, 5508-11	6.2	41
216	Synthesis of mangiferin, isomangiferin, and homomangiferin. <i>Journal of Organic Chemistry</i> , 2010 , 75, 5725-8	4.2	41
215	Synthesis of diosgenyl α -L-rhamnopyranosyl-(1 \rightarrow 2)-[β -D-glucopyranosyl-(1 \rightarrow 3)]- β -D-glucopyranoside (gracillin) and related saponins. <i>Carbohydrate Research</i> , 1998 , 306, 189-95	2.9	41
214	Synthesis of quercetin 3-O-(2,6-digalloyl)- β -D-arabinopyranoside. <i>Tetrahedron Letters</i> , 2002 , 43, 9467-9470	2	41
213	Synthesis of monomethylated dioscin derivatives and their antitumor activities. <i>Carbohydrate Research</i> , 2003 , 338, 117-21	2.9	41
212	Identification of (phosphine)gold(I) hydrates and their equilibria in wet solutions. <i>RSC Advances</i> , 2012 , 2, 12686	3.7	39
211	Total synthesis of CRM646-A and -B, two fungal glucuronides with potent heparinase inhibition activities. <i>Journal of Organic Chemistry</i> , 2005 , 70, 8884-9	4.2	39
210	Five new Ocotillone-type saponins from <i>Gynostemma pentaphyllum</i> . <i>Journal of Natural Products</i> , 2004 , 67, 1147-51	4.9	39

209	ortho-(Methyltosylaminoethynyl)benzyl glycosides as new glycosyl donors for latent-active glycosylation. <i>Chemical Communications</i> , 2015 , 51, 13957-60	5.8	38
208	Targeted Delivery and Sustained Antitumor Activity of Triptolide through Glucose Conjugation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12035-9	16.4	38
207	Synthesis of a tetrasaccharide substrate of heparanase. <i>Carbohydrate Research</i> , 2008 , 343, 2853-62	2.9	38
206	Synthesis of glycosides bearing the disaccharide of OSW-1 or its 1→4-linked analogue and their antitumor activities. <i>Carbohydrate Research</i> , 2000 , 329, 495-505	2.9	38
205	Synthesis of the Diverse Glycosides in Traditional Chinese Medicine. <i>Chinese Journal of Chemistry</i> , 2018 , 36, 681-691	4.9	37
204	Discovery and development of thiazolo[3,2-a]pyrimidinone derivatives as general inhibitors of Bcl-2 family proteins. <i>ChemMedChem</i> , 2011 , 6, 904-21	3.7	37
203	Synthesis, evaluation, and mechanism of N,N,N-trimethyl-D-glucosamine-(1→4)-chitooligosaccharides as selective inhibitors of glycosyl hydrolase family 20 β-N-acetyl-D-hexosaminidases. <i>ChemBioChem</i> , 2011 , 12, 457-67	3.8	37
202	Total synthesis of starfish saponin goniopectenoside B. <i>Chemistry - A European Journal</i> , 2013 , 19, 7708-12.8	14.8	36
201	Synthesis of OSW saponin analogs with modified sugar residues and their antiproliferative activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 1003-7	2.9	36
200	Glycosylation initiated cationic ring-opening polymerization of tetrahydrofuran to prepare neo-glycopolymers. <i>Chemical Communications</i> , 2010 , 46, 6060-2	5.8	35
199	Synthesis of ginsenoside Rh2 and chikusetsusaponin-LT8 via gold(I)-catalyzed glycosylation with a glycosyl ortho-alkynylbenzoate as donor. <i>Tetrahedron Letters</i> , 2011 , 52, 3075-3078	2	35
198	Two new flavone glycosides from <i>Valeriana jatamansi</i> . <i>Journal of Asian Natural Products Research</i> , 2003 , 5, 257-61	1.5	35
197	Stereoselective synthesis of 2-S-phenyl-2-deoxy-beta-glycosides using phenyl 2,3-O-thionocarbonyl-1-thioglycoside donors via 1,2-Migration and concurrent glycosidation. <i>Organic Letters</i> , 2001 , 3, 377-9	6.2	35
196	Total Synthesis of Linckosides A and B, the Representative Starfish Polyhydroxysteroid Glycosides with Neuritogenic Activities. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15098-101	16.4	34
195	Characterization of the Isochromen-4-yl-gold(I) Intermediate in the Gold(I)-Catalyzed Glycosidation of Glycosyl ortho-Alkynylbenzoates and Enhancement of the Catalytic Efficiency Thereof. <i>Angewandte Chemie</i> , 2011 , 123, 8479-8482	3.6	34
194	Synthesis of OSW-1 analogues and a dimer and their antitumor activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001 , 11, 2153-6	2.9	34
193	Expeditious synthesis of saponin P57, an appetite suppressant from Hoodia plants. <i>Chemical Communications</i> , 2012 , 48, 8679-81	5.8	32
192	Synthesis of the Trisaccharide and Tetrasaccharide Moieties of the Potent Immunoadjuvant QS-21. <i>European Journal of Organic Chemistry</i> , 2004 , 2004, 965-973	3.2	32

191	Chemical synthesis of marine saponins. <i>Natural Product Reports</i> , 2019 , 36, 769-787	15.1	32
190	Revisit of the phenol O-glycosylation with glycosyl imidates, BF ₃ ·OEt ₂ is a better catalyst than TMSOTf. <i>Carbohydrate Research</i> , 2012 , 363, 14-22	2.9	31
189	The First Total Synthesis of Tricolorin A. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2344-2346		31
188	Multiple-stage tandem mass spectrometry for differentiation of isomeric saponins. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 2241-8	2.2	31
187	Inhibition of cancer stem cell like cells by a synthetic retinoid. <i>Nature Communications</i> , 2018 , 9, 1406	17.4	30
186	A facile synthetic approach to a group of structurally typical diosgenyl saponins. <i>Tetrahedron Letters</i> , 1998 , 39, 6511-6514	2	30
185	Synthesis of betavulgaroside III, a representative triterpene seco-glycoside. <i>Journal of Organic Chemistry</i> , 2008 , 73, 4978-85	4.2	30
184	Cholestane and spirostane glycosides from the rhizomes of <i>Dioscorea septemloba</i> . <i>Phytochemistry</i> , 2008 , 69, 1411-8	4	30
183	Synthesis of anemoclemoside B, the first natural product with an open-chain cyclic acetal glycosidic linkage. <i>Organic Letters</i> , 2005 , 7, 1935-8	6.2	30
182	Synthesis of bradyrhizose, a unique inositol-fused monosaccharide relevant to a Nod-factor independent nitrogen fixation. <i>Chemical Communications</i> , 2015 , 51, 6964-7	5.8	29
181	First total synthesis of 25(R)-ruscogenin-1-yl β -D-xylopyranosyl-(1 \rightarrow 3)- β -D-glucopyranosyl-(1 \rightarrow 2)]- β -D-fucopyranoside, an ophiopogonis saponin from the tuber of <i>Liriope muscari</i> (Decne.). <i>Tetrahedron Letters</i> , 1998 , 39, 415-418	2	29
180	Toward synthesis of the regular sequence of heparin: synthesis of two tetrasaccharide precursors. <i>Carbohydrate Research</i> , 2006 , 341, 1619-29	2.9	29
179	Facile conversion of spirostan saponin into furostan saponin: synthesis of methyl protodioscin and its 26-thio-analogue. <i>Organic Letters</i> , 2006 , 8, 2679-82	6.2	28
178	Stereoselective synthesis of β -rhamnopyranosides via gold(I)-catalyzed glycosylation with 2-alkynyl-4-nitro-benzoate donors. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 1536-9	3.9	27
177	Molecular matchmaking between the popular weight-loss herb <i>Hoodia gordonii</i> and GPR119, a potential drug target for metabolic disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14571-6	11.5	27
176	Total synthesis of jadomycins B, S, T, and ILEVS1080. <i>Chemistry - A European Journal</i> , 2013 , 19, 8431-4	4.8	27
175	An efficient route toward 2-amino-beta-D-galacto- and -glucopyranosides via stereoselective Michael-type addition of 2-nitroglycals. <i>Journal of Organic Chemistry</i> , 2009 , 74, 5079-82	4.2	27
174	Four new dimeric triterpene glucosides from <i>Sanguisorba officinalis</i> . <i>Tetrahedron</i> , 2004 , 60, 11647-11654	4.4	27

173	Synthesis of tamarixetin and isorhamnetin 3-O-neohesperidoside. <i>Carbohydrate Research</i> , 2005 , 340, 1682-8	2.9	27
172	The first synthetic route to furostan saponins. <i>Tetrahedron Letters</i> , 2001 , 42, 77-79	2	27
171	An Efficient Approach to the Synthesis of Nucleosides: Gold(I)-Catalyzed N-Glycosylation of Pyrimidines and Purines with Glycosyl ortho-Alkynyl Benzoates. <i>Angewandte Chemie</i> , 2011 , 123, 5035-5038	3.6	26
170	Molecular mechanism of ADP-ribose hydrolysis by human NUDT5 from structural and kinetic studies. <i>Journal of Molecular Biology</i> , 2008 , 379, 568-78	6.5	26
169	Synthesis of steroidal glycosides bearing the disaccharide moiety of OSW-1 and their antitumor activities. <i>Carbohydrate Research</i> , 2001 , 334, 159-64	2.9	26
168	Chemical synthesis of glycans up to a 128-mer relevant to the O-antigen of <i>Bacteroides vulgatus</i> . <i>Nature Communications</i> , 2020 , 11, 4142	17.4	26
167	Arabidopsis acetyl-amido synthetase GH3.5 involvement in camalexin biosynthesis through conjugation of indole-3-carboxylic acid and cysteine and upregulation of camalexin biosynthesis genes. <i>Journal of Integrative Plant Biology</i> , 2012 , 54, 471-85	8.3	25
166	ortho-Alkynylphenyl thioglycosides as a new type of glycosylation donors under the catalysis of Au(I) complexes. <i>Tetrahedron Letters</i> , 2012 , 53, 5231-5234	2	25
165	Synthesis of Sugar-Fused Isoxazoline N-Oxides from 2-Nitroglycals. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 3579-3582	3.2	25
164	Synthesis of the A,B-ring-truncated OSW saponin analogs and their antitumor activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 5506-9	2.9	25
163	Synthesis of alpha-L-threofuranosyl nucleoside triphosphates (tNTPs). <i>Organic Letters</i> , 2005 , 7, 1485-7	6.2	25
162	Synthesis of 3-O-(beta-D-xylopyranosyl-(1->2)-beta-D-glucopyranosyl)-3'-O-(beta-D-glucopyranosyl)tamarixetin, the putative structure of aescuflavoside A from the seeds of <i>Aesculus chinensis</i> . <i>Carbohydrate Research</i> , 2004 , 344, 1947-54	2.9	25
161	Glycosylation with 3,5-Dimethyl-4-(2'-phenylethynylphenyl)phenyl (EPP) Glycosides via a Dearomative Activation Mechanism. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4806-4810	16.4	24
160	Efficient synthesis of Idraparinux, the anticoagulant pentasaccharide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 3875-9	2.9	24
159	Total synthesis of candicanoside A, a potent antitumor saponin with a rearranged steroid side chain. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2527-30	16.4	24
158	Synthesis of a group of diosgenyl saponins by a one-pot sequential glycosylation. <i>Tetrahedron Letters</i> , 1999 , 40, 8591-8594	2	24
157	Construction of interglycosidic N-O linkage via direct glycosylation of sugar oximes. <i>Organic Letters</i> , 2012 , 14, 4022-5	6.2	23
156	Expeditious synthesis of hippuristanol and congeners with potent antiproliferative activities. <i>Chemistry - A European Journal</i> , 2009 , 15, 10356-9	4.8	23

155	A facile preparation of uronates via selective oxidation with TEMPO/KBr/Ca(OCl) ₂ under aqueous conditions. <i>Carbohydrate Research</i> , 2004 , 339, 1219-23	2.9	23
154	Triptolide: reflections on two decades of research and prospects for the future. <i>Natural Product Reports</i> , 2021 , 38, 843-860	15.1	23
153	Total Synthesis of Echinocide A, a Representative Triterpene Glycoside of Sea Cucumbers. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7648-7652	16.4	22
152	Chemoselective glycosylation of carboxylic acid with glycosyl ortho-hexynylbenzoates as donors. <i>Tetrahedron Letters</i> , 2010 , 51, 1504-1507	2	22
151	Synthesis of Mono- and Di-O-β-d-glucopyranoside Conjugates of (E)-Resveratrol. <i>Synthesis</i> , 2006 , 2006, 1301-1306	2.9	22
150	Aryl C-glycosylation of phenols with glycosyl trifluoroacetimidates. <i>Carbohydrate Research</i> , 2006 , 341, 2717-22	2.9	22
149	Amipurimycin: Total Synthesis of the Proposed Structures and Diastereoisomers. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2884-2888	16.4	21
148	Isoflavone Glycosides: Synthesis and Evaluation as β-Glucosidase Inhibitors. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 3156-3163	3.2	21
147	A Novel and Efficient Deprotection of the Allyl Group at the Anomeric Oxygen of Carbohydrates. <i>Synlett</i> , 1998 , 1998, 29-30	2.2	21
146	Effective synthesis of nucleosides with glycosyl trifluoroacetimidates as donors. <i>Tetrahedron Letters</i> , 2008 , 49, 5036-5038	2	20
145	Synthesis and cytotoxicities of dioscin derivatives with decorated chactriosyl residues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 5629-32	2.9	20
144	Synthesis of (25R)-ruscogenin-1-yl 3-D-xylopyranosyl-(1→3). <i>Carbohydrate Research</i> , 2000 , 329, 745-54	2.9	20
143	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	5.2	19
142	SBF-1, a synthetic steroidal glycoside, inhibits melanoma growth and metastasis through blocking interaction between PDK1 and AKT3. <i>Biochemical Pharmacology</i> , 2012 , 84, 172-81	6	19
141	Three new homoisoflavanone glycosides from the bulbs of <i>Ornithogalum caudatum</i> . <i>Journal of Natural Products</i> , 2002 , 65, 218-20	4.9	19
140	Synthesis of Bradyrhizose Oligosaccharides Relevant to the Bradyrhizobium O-Antigen. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2092-2096	16.4	18
139	Total synthesis of astrosteroside A, an anti-inflammatory asterosaponin. <i>Chemical Communications</i> , 2015 , 51, 13826-9	5.8	18
138	Gold(i)-catalyzed C-glycosylation of glycosyl ortho-alkynylbenzoates: the role of the moisture sequestered by molecular sieves. <i>Chemical Communications</i> , 2016 , 52, 12183-12186	5.8	18

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