Tomasz Bauer

List of Publications by Year
in descending order

34 papers	1,054 citations	516710 16 h-index	414414 32 g-index
35 all docs	35 docs citations	35 times ranked	645 citing authors

#	Article	IF	Citations
1	Tetrahedron report number 195 (R)- and (S)-2,3-0-isopropylideneglyceraldehyde in stereoselective organic synthesis. Tetrahedron, 1986, 42, 447-488.	1.9	380
2	AsymmetricDiels-Alder Reaction of 1-Methoxybuta-1,3-diene with (2R)-N-Glyoxyloylbornane-10,2-sultam. Helvetica Chimica Acta, 1989, 72, 482-486.	1.6	50
3	Stereochemical course of the [4+2] cycloaddition of 1-methoxybuta-1,3-diene to N-glyoxyloyl-(2R)-bornane-10,2-sultam. The formal synthesis of compactin and mevinolin. Tetrahedron: Asymmetry, 1996, 7, 1391-1404.	1.8	47
4	Î±-Hydroxy carboxylic acids as ligands for enantioselective diethylzinc additions to aromatic and aliphatic aldehydes. Tetrahedron, 2004, 60, 9163-9170.	1.9	44
5	Enantioselective dialkylzinc-mediated alkynylation, arylation and alkenylation of carbonyl groups. Coordination Chemistry Reviews, 2015, 299, 83-150.	18.8	43
6	Highly enantioselective diethylzinc addition to aldehydes catalyzed by d-glucosamine derivatives. Tetrahedron: Asymmetry, 2002, 13, 77-82.	1.8	38
7	Stereospecific synthesis of 5,6-dihydro-2H-pyran system. High-pressure cycloaddition of 1:2,3:4-di-0-isopropylidene- Î±-D-galactopyranose-6-ulose to 1-methoxybuta-1,3-diene. Tetrahedron Letters, 1984, 25, 4809-4812.	1.4	35
8	Asymmetric Moritaâ€“Baylisâ€“Hillman reaction of chiral glyoxylates. Tetrahedron: Asymmetry, 2001, 12, 1741-1745.	1.8	34
9	Organic Syntheses under High Pressure: Lanthanide-Catalysed [4 + 2]Cycloaddition of 1-Methoxybuta-1,3-diene to Carbonyl Compounds. Synthesis, 1985, 1985, 928-929.	2.3	33
10	Î±-Hydroxy carboxylic acids as ligands for enantioselective addition reactions of organoaluminum reagents to aromatic and aliphatic aldehydes. Tetrahedron: Asymmetry, 2005, 16, 851-855.	1.8	31
11	A general approach to the synthesis of 2,3-di-O-protected derivatives of d-glyceraldehyde. Carbohydrate Research, 1987, 164, 493-498.	2.3	27
12	Efficient synthesis of N-glyoxyloyl-(2R)-bornane-10,2-sultam. Tetrahedron: Asymmetry, 1996, 7, 1385-1390.	1.8	27
13	Stereochemistry of diels-alder reaction at high-pressure: influence of pressure on asymmetric induction in (4+2)cycloaddition of 1-methoxybuta-1,3-diene to 2,3-o-isopropylidene-D-glyceraldehyde. Tetrahedron, 1986, 42, 5045-5052.	1.9	25
14	Highly stereoselective addition of 2-trimethylsilyloxyfuran to N-glyoxyloyl-(2R)-bornane-10,2-sultam. Tetrahedron: Asymmetry, 1996, 7, 981-984.	1.8	21
15	Complete ?-Facial Stereoselectivity in the TiCl4-Mediated [4 + 2] Cycloaddition of Cyclopentadiene toN,N?-fumaroyldi[(2R)-bornane-10,2-sultam]. Helvetica Chimica Acta, 1995, 78, 145-150.	1.6	19
16	Asymmetric [4+2] cycloaddition of cyclopentadiene to Nâ€²-tosylimine of N-glyoxyloyl-(2R)-bornane-10,2-sultam. Tetrahedron: Asymmetry, 1997, 8, 2619-2625.	1.8	19
17	Influence ofLewis Acids on the [4 + 2] Cycloaddition ofN,N?-Fumaroylbis[(2R)-bornane-10,2-sultam] to Cyclopentadiene and application to various dienes. Helvetica Chimica Acta, 1998, 81, 324-329.	1.6	19
18	Syntheses of deoxyhexoses from diastereoisomerically pure hetero-Diels-Alder adduct. Tetrahedron, 1997, 53, 4763-4768.	1.9	18

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19	Î±-Hydroxy carboxylic acids: new ligands for diethylzinc additions to aldehydes. Tetrahedron Letters, 2002, 43, 687-689.	1.4	15
20	Efficient Preparation and X-Ray Structure Analyses of (2R)-N-pyruvoyl- and (2R)-N-(phenylglyoxyloyl)bornane-10,2-sultam. Helvetica Chimica Acta, 1996, 79, 1059-1066.	1.6	14
21	The stereocontrolled synthesis of methyl C. Tetrahedron: Asymmetry, 1996, 7, 1405-1412.	1.8	13
22	Palladiumâ€Catalyzed Enantioselective Allylic Substitution in the Presence of Monodentate Furanoside Phosphoramidites. ChemCatChem, 2015, 7, 799-807.	3.7	13
23	Glyoxylic acid derivatives in asymmetric synthesis. Pure and Applied Chemistry, 2000, 72, 1589-1596.	1.9	12
24	The asymmetric hetero-Dielsâ€“Alder reaction and addition of allylic organometallics to 10-N,N-dicyclohexylsulphamoyl-(2R)-isobornyl glyoxylate. Tetrahedron: Asymmetry, 1999, 10, 2101-2111.	1.8	11
25	Enantioselective addition of diethylzinc to aldehydes catalyzed by d-glucosamine derivatives: Highly pronounced effect of trifluoromethylsulfonamide. Applied Catalysis A: General, 2010, 375, 247-251.	4.3	10
26	High-Pressure Approach to the Synthesis of Optically Pure Methyl 4-Deoxyheptosides. Journal of Carbohydrate Chemistry, 1985, 4, 447-450.	1.1	9
27	Titanium-promoted enantioselective diethylzinc addition to benzaldehyde in the presence of C2-symmetrical bis(camphorsulfonamide) ligands. Tetrahedron, 2003, 59, 10009-10012.	1.9	9
28	Asymmetric induction in the Eu(fod)3-mediated high-pressure (4 + 2)cycloaddition of 1-methoxybuta-1,3-diene to 2,3-di-O-benzyl-d-glyceraldehyde. Carbohydrate Research, 1987, 160, C1-C2.	2.3	7
29	Enantioselective Alkenylation of Aldehydes with Protected Propargylic Alcohols in the Presence of a Crown Ether as an Additive. Advanced Synthesis and Catalysis, 2019, 361, 3689-3693.	4.3	7
30	Sugar-based monodentate phosphoramidite ligands for Cu-catalyzed enantioselective conjugate addition to enones. Tetrahedron, 2013, 69, 1930-1939.	1.9	6
31	Carbohydrates as Ligands for Enantioselective Synthesis. Current Organic Chemistry, 2014, 18, 1749-1767.	1.6	6
32	Enantioselective Alkynylation of Aromatic and Aliphatic Aldehydes Catalyzed by Titanium(IV) Complex of D-Glucosamine-derived Sulfonamides. Current Organic Chemistry, 2014, 18, 1218-1224.	1.6	5
33	Diastereoselective Synthesis of 2-Alkoxy-5-tert-butylmandelic Acid. Synthesis, 2004, 2004, 20-22.	2.3	4
34	Reductive opening of 2,3-unsaturated aldopyranosides. Carbohydrate Research, 1988, 175, 306-310.	2.3	3