

# PÃ©ter BakÃ³

## List of Publications by Year in descending order

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66  
papers

1,536  
citations

257450

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all docs

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docs citations

70  
times ranked

762  
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#	ARTICLE	IF	CITATIONS
1	Carbohydrate-Based Azacrown Ethers in Asymmetric Syntheses. <i>Chemistry</i> , 2021, 3, 550-577.	2.2	9
2	Synthesis of Methyl 4,6-Di-O-ethyl-Ń-d-glucopyranoside-Based Azacrown Ethers and Their Effects in Asymmetric Reactions. <i>Molecules</i> , 2021, 26, 4668.	3.8	2
3	Synthesis of Novel Crown Ether-Squaramides and Their Application as Phase-Transfer Catalysts. <i>Molecules</i> , 2021, 26, 6542.	3.8	4
4	Synthesis of xylalŃ and arabinalŃ based crown ethers and their application as asymmetric phase transfer catalysts. <i>Chirality</i> , 2020, 32, 107-119.	2.6	7
5	The Synthesis of Hydrobenzoin-Based Monoaza Crown Ethers and Their Application as Recyclable Enantioselective Catalysts. <i>Catalysis Letters</i> , 2020, 150, 930-938.	2.6	5
6	Enantioselective cyclopropanation of conjugated cyanosulfones using carbohydrate-based crown ether catalysts. <i>Tetrahedron</i> , 2020, 76, 130965.	1.9	15
7	Enantioselective Michael Addition of Malonates to Enones. <i>Current Organic Chemistry</i> , 2020, 24, 746-773.	1.6	5
8	Synthesis of chiral crown ethers derived from d-galactose and their application in enantioselective reactions. <i>Tetrahedron</i> , 2019, 75, 3993-4004.	1.9	24
9	Synthesis and application of novel carbohydrate-based ammonium and triazolium salts. <i>Synthetic Communications</i> , 2019, 49, 2388-2400.	2.1	9
10	Synthesis of Ń-mannitolŃ based crown ethers and their application as catalyst in asymmetric phase transfer reactions. <i>Chirality</i> , 2018, 30, 407-419.	2.6	20
11	Asymmetric cyclopropanation reactions catalyzed by carbohydrate-based crown ethers. <i>Tetrahedron</i> , 2018, 74, 3512-3526.	1.9	21
12	Synthesis of alkyl Ń- and Ń-d-glucopyranoside-based chiral crown ethers and their application as enantioselective phase-transfer catalysts. <i>Research on Chemical Intermediates</i> , 2018, 44, 1627-1645.	2.7	16
13	Synthesis of Ń-threitolŃ based crown ethers and their application as enantioselective phase transfer catalyst in Michael additions. <i>Chirality</i> , 2017, 29, 257-272.	2.6	17
14	Diethyl (cyanofluoromethyl)phosphonate: Application in catalytic enantioselective Michael additions. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2017, 192, 659-664.	1.6	7
15	Enantioselective synthesis of substituted Ń-aminophosphonates catalysed by d-glucose-based crown ethers: pursuit of the origin of stereoselectivity. <i>New Journal of Chemistry</i> , 2017, 41, 14945-14953.	2.8	11
16	Crystal structure of diethyl 2-acetoxy-2-[3-(4-nitrophenyl)-3-oxo-1-phenylpropyl]malonate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 257-260.	0.5	0
17	Crown ether derived from d-glucose as an efficient phase-transfer catalyst for the enantioselective Michael addition of malonates to enones. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 960-972.	1.8	22
18	Synthesis of Ń-d-galactose-based azacrown ethers and their application as enantioselective catalysts in Michael reactions. <i>New Journal of Chemistry</i> , 2016, 40, 7856-7865.	2.8	23

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19	Syntheses and complexing ability of $\hat{\pm}$ -d-gluco- and $\hat{\pm}$ -d-xylofuranoside-based lariat ethers. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2016, 85, 19-32.	1.6	3
20	Crystal structure of diethyl 3-(3-chlorophenyl)-2,2-dicyanocyclopropane-1,1-dicarboxylate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 253-256.	0.5	0
21	The Synthesis of Bio-Based Flame-Retarded Epoxy-Precursors. <i>Macromolecular Symposia</i> , 2015, 352, 46-50.	0.7	1
22	Sugar-based Crown Ethers in Enantioselective Syntheses. <i>Periodica Polytechnica: Chemical Engineering</i> , 2015, 59, 51-58.	1.1	8
23	Asymmetric Michael Addition of Malonates to Enones Catalyzed by an $\hat{\pm}$ -d-Glucopyranoside-Based Crown Ether. <i>Synlett</i> , 2015, 26, 1847-1851.	1.8	33
24	Synthesis and characterization of biobased epoxy monomers derived from d-glucose. <i>European Polymer Journal</i> , 2015, 67, 375-382.	5.4	32
25	Side-Arm Effect of a Methyl $\hat{\pm}$ -d-Glucopyranoside Based Lariat Ether Catalysts in Asymmetric Syntheses. <i>Heteroatom Chemistry</i> , 2015, 26, 63-71.	0.7	14
26	Enantioselective Michael addition of malonates to aromatic nitroalkenes catalyzed by monosaccharide-based chiral crown ethers. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 141-147.	1.8	31
27	Synthesis of an Aza Chiral Crown Ether Grafted to Nanofibrous Silica Support and Application in Asymmetric Michael Addition. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 713-721.	3.7	12
28	Synthesis and recognition properties of $\hat{\pm}$ -d-glucose-based fluorescent crown ethers incorporating an acridine unit. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 80, 253-261.	1.6	14
29	Catalytic Asymmetric Darzens Reactions. <i>Current Organic Synthesis</i> , 2014, 11, 361-376.	1.3	22
30	Synthesis of ribo-hexopyranoside- and altrose-based azacrown ethers and their application in an asymmetric Michael addition. <i>Carbohydrate Research</i> , 2013, 365, 61-68.	2.3	13
31	Synthesis of L-arabinose-based crown ethers and their applications as enantioselective phase transfer catalysts. <i>Arkivoc</i> , 2013, 2012, 36-48.	0.5	14
32	The Enantiomeric Differentiation Ability of Chiral Crown Ethers Based on Carbohydrates. <i>Current Organic Chemistry</i> , 2012, 16, 297-304.	1.6	30
33	Asymmetric phase transfer Darzens reactions catalyzed by d-glucose- and d-mannose-based chiral crown ethers. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 489-496.	1.8	39
34	Enantioselective synthesis of heteroaromatic epoxyketones under phase-transfer catalysis using d-glucose- and d-mannose-based crown ethers. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1189-1196.	1.8	34
35	Asymmetric C=C bond formation via Darzens condensation and Michael addition using monosaccharide-based chiral crown ethers. <i>Tetrahedron Letters</i> , 2011, 52, 1473-1476.	1.4	43
36	Asymmetric epoxidation of substituted chalcones and chalcone analogues catalyzed by $\hat{\pm}$ -d-glucose- and $\hat{\pm}$ -d-mannose-based crown ethers. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 919-925.	1.8	46

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37	Asymmetric Phase Transfer Reactions Catalyzed by Chiral Crown Ethers Derived from Monosaccharides. <i>Letters in Organic Chemistry</i> , 2010, 7, 645-656.	0.5	30
38	Asymmetric Synthesis of Substituted $\hat{\pm}$ -Amino Phosphonates with Chiral Crown Ethers as Catalysts. <i>Synlett</i> , 2009, 2009, 1429-1432.	1.8	29
39	Synthesis of chiral pyridino-15-crown-5 type ligands containing $\hat{\pm}$ -D-hexapyranoside unit and their application in asymmetric synthesis. <i>Arkivoc</i> , 2009, 2009, 165-179.	0.5	8
40	Synthesis of methyl- $\hat{\pm}$ -d-glucopyranoside-based azacrown ethers and their application in enantioselective reactions. <i>Monatshefte FÄ¼r Chemie</i> , 2008, 139, 525-535.	1.8	24
41	Theoretical study of the asymmetric phase-transfer mediated epoxidation of chalcone catalyzed by chiral crown ethers derived from monosaccharides. <i>Journal of Molecular Structure</i> , 2008, 892, 336-342.	3.6	24
42	Enantioselective Phase Transfer Catalytic Reactions. A Comparative Study on the Use of Cinchonidine Salts and Glucose-Based Lariat Ethers Including Phosphinoxidomethyl Derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008, 182, 2449-2456.	1.6	6
43	Circular dichroism spectra of trans-chalcone epoxides. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1521-1528.	1.8	5
44	Alkali Metal- and Ammonium Picrate Extraction and Complex Forming Capabilities of d-Glucose and d-Mannose-based Lariat Ethers. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2006, 55, 295-302.	1.6	17
45	Synthesis of d-mannose-based azacrown ethers and their application in enantioselective reactions. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 1861-1871.	1.8	61
46	Synthesis of D-Mannose-Based Azacrown Ethers and Their Application in Enantioselective Reactions.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
47	Synthesis of D-Mannose-Based Azacrown Ethers and Their Application in Enantioselective Reactions.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
48	Phase Transfer Catalysed Asymmetric Epoxidation of Chalcones Using Chiral Crown Ethers Derived from d-Glucose and d-Mannose. <i>Synlett</i> , 2004, 2004, 643-646.	1.8	37
49	Phase Transfer Catalyzed Asymmetric Epoxidation of Chalcones Using Chiral Crown Ethers Derived from D-Glucose, D-Galactose, and D-Mannitol.. <i>ChemInform</i> , 2004, 35, no.	0.0	1
50	Phase-transfer catalyzed asymmetric epoxidation of chalcones using chiral crown ethers derived from d-glucose, d-galactose, and d-mannitol. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 1589-1595.	1.8	58
51	Enantioselective Michael Addition of 2-Nitropropane to Chalcone Analogues Catalyzed by Chiral Azacrown Ethers Based on $\hat{\pm}$ -D-Glucose and D-Mannitol.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
52	Enantioselective Michael addition of 2-nitropropane to chalcone analogues catalyzed by chiral azacrown ethers based on $\hat{\pm}$ -d-glucose and d-mannitol. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1917-1923.	1.8	46
53	The Synthesis and Utilization of Azacrown Ethers with Phosphorus Function in the Side Chain. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 1995-1995.	1.6	0
54	Enantioselective Michael reaction of 2-nitropropane with substituted chalcones catalysed by chiral azacrown ethers derived from $\hat{\pm}$ -d-glucose. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 203-209.	1.8	52

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55	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2001, 39, 247-251.	1.6	12
56	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2001, 40, 207-212.	1.6	14
57	Asymmetric Michael Addition Catalyzed by d-Glucose-based Azacrown Ethers. Synlett, 2001, 2001, 0424-0426.	1.8	27
58	d-Glucose-based azacrown ethers with a phosphonoalkyl side chain: application as enantioselective phase transfer catalyts. Tetrahedron: Asymmetry, 1999, 10, 2373-2380.	1.8	56
59	Asymmetric C=C bond forming reactions with chiral crown catalysts derived from d-glucose and d-galactose. Tetrahedron: Asymmetry, 1999, 10, 4539-4551.	1.8	87
60	Synthesis of novel chiral crown ethers derived from D-glucose and their application to an enantioselective Michael reaction. Journal of the Chemical Society Perkin Transactions 1, 1999, , 3651-3655.	0.9	42
61	Synthesis, extraction ability and application in asymmetric synthesis of azacrown ethers derived from D-glucose. Tetrahedron, 1998, 54, 14975-14988.	1.9	51
62	Asymmetric Michael addition and deracemization of enolate by chiral crown ether. Tetrahedron, 1998, 54, 213-222.	1.9	44
63	Synthesis and application in asymmetric synthesis of azacrown ethers derived from D-glucose. Chemical Communications, 1998, , 1193-1194.	4.1	51
64	Asymmetric C-C Bond Forming Reactions by Chiral Crown Catalysts; Darzens Condensation and Nitroalkane Addition to the Double Bond. Synlett, 1997, 1997, 291-292.	1.8	70
65	Chiral azacrown ethers derived from D-glucose as catalysts for enantioselective Michael addition. Tetrahedron Letters, 1997, 38, 7259-7262.	1.4	63
66	Asymmetric Michael addition of 2-nitropropane to a chalcone catalyzed by chiral crown ethers incorporating a D-glucose unit. Heteroatom Chemistry, 1997, 8, 333-337.	0.7	15