

De-Qi Yuan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Three-in-One: Miniature Models of Natural Acyl-Transfer Systems Enable Vector-Selective Reaction on the Primary Side of Cyclodextrins. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	1
2	An Ultimate Stereocontrol in Supramolecular Photochirogenesis: Photocyclodimerization of 2-Anthracenecarboxylate Mediated by Sulfur-Linked β -Cyclodextrin Dimers. <i>Journal of the American Chemical Society</i> , 2019, 141, 9225-9238.	13.7	70
3	Synthesis of a dimeric 3 β -hydroxy-7 α ,12 α -diamino-5 β -cholan-24-oate conjugate and its derivatives, and the effect of lipophilicity on their anion transport efficacy. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2831-2840.	2.8	5
4	A one-pot synthetic method for the hetero-bifunctionalization of β -cyclodextrin at the secondary hydroxyl side with high clockwise-counter-clockwise selectivity. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4077-4080.	2.8	2
5	Synthesis, Anion Recognition, and Transmembrane Anionophoric Activity of Tripodal Diaminocholoyl Conjugates. <i>Journal of Organic Chemistry</i> , 2017, 82, 13368-13375.	3.2	15
6	Synthesis and binding behaviors of monomethyl cucurbit[6]uril. <i>Tetrahedron Letters</i> , 2011, 52, 4646-4649.	1.4	15
7	Diimine ligand as a novel chemiluminescence enhancer of luminol-containing compounds. <i>Talanta</i> , 2009, 77, 1761-1766.	5.5	2
8	pH-Controlled Supramolecular Enantiodifferentiating Photocyclodimerization of 2-Anthracenecarboxylate with Capped β -Cyclodextrins. <i>Australian Journal of Chemistry</i> , 2008, 61, 565.	0.9	16
9	Imidazolyl Cyclodextrins: Artificial Serine Proteases Enabling Regiospecific Reactions. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5024-5027.	13.8	29
10	Cerium complexes of cyclodextrin dimers as efficient catalysts for luminol chemiluminescence reactions. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2932.	2.8	17
11	The first topologically controlled synthesis of doubly bridged β -cyclodextrin dimers. <i>Chemical Communications</i> , 2007, , 828-830.	4.1	8
12	Selective modification of β -cyclodextrin: an unexpected tandem reaction enables the cross-linking of C2A and C2B via a sulfur atom. <i>Chemical Communications</i> , 2007, , 3157.	4.1	5
13	A Vector-Selective Reaction Enables Efficient Construction of Specific Topology upon the Primary Side of β -Cyclodextrin. <i>Organic Letters</i> , 2007, 9, 4591-4594.	4.6	14
14	Hetero-bifunctional β -cyclodextrins having dansylcysteine and tosyl groups at two adjacent sugar units: synthesis and determination of regio-chemistry. <i>Tetrahedron Letters</i> , 2007, 48, 3267-3271.	1.4	16
15	Heptakis(6-deoxy-6-guanidino)- β -cyclodextrin: an artificial model for mitochondrial ADP/ATP carrier. <i>Tetrahedron Letters</i> , 2007, 48, 3479-3483.	1.4	24
16	Selective functionalization of β -cyclodextrin: efficient conversions of 2,3-alloepoxy pyranosides to 2,3-mannoepithiopyranosides. <i>Tetrahedron Letters</i> , 2007, 48, 6665-6668.	1.4	7
17	Selective synthesis and ester cleavage property of 3A,2B-anhydro-3B-deoxy-3B-thio- β -cyclodextrin. <i>Tetrahedron Letters</i> , 2007, 48, 7493-7497.	1.4	11
18	Coumarin-conjugated cyclodextrins: remarkable enhancement of the chemical-to-light energy transfer efficiency. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 125-129.	1.6	1

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19	Clockwise“counterclockwise differentiation on the upper rim of a monofunctional β -cyclodextrin: efficient topological control in the syntheses of capped cyclodextrins. <i>Chemical Communications</i> , 2006, , 5057-5059.	4.1	14
20	Shortcut Synthesis of β -Cyclomannin from β -Cyclodextrin. <i>Organic Letters</i> , 2006, 8, 5733-5736.	4.6	3
21	Hetero-bifunctionalization of the secondary face of β -cyclodextrin: selective 3G-sulfonylation and subsequent 2G,3G-epoxidation of 3A-azido-3A-deoxy- β -cyclodextrin. <i>Tetrahedron Letters</i> , 2006, 47, 6599-6602.	1.4	5
22	A facile sulfonylation method enabling direct syntheses of per(2-O-sulfonyl)- β -cyclodextrins. <i>Tetrahedron Letters</i> , 2006, 47, 8837-8840.	1.4	16
23	Enantiodifferentiating [4+4] photocyclodimerization of 2-anthracenecarboxylate catalyzed by 6A,6X-diamino-6A,6X-dideoxy- β -cyclodextrins: Manipulation of product chirality by electrostatic interaction, temperature and solvent in supramolecular photochirogenesis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 173, 375-383.	3.9	60
24	Preparation of 2A,3A-alloepimino-2A,3A-dideoxy- β -cyclodextrin as a versatile scaffold candidate for the hetero-2A,3A-bifunctionalization. <i>Tetrahedron Letters</i> , 2005, 46, 1115-1118.	1.4	7
25	Synthesis of a Cycloallin Derivative from β -Cyclodextrin: Heptakis(2,3-dideoxy-2,3-epithio)- β -cycloallin. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4201-4204.	13.8	7
26	The first hetero-bifunctionalization of the secondary face of β -cyclodextrin: selective and efficient conversion of the A-ring of a 2A,2B-disulfonate to 2A,3A-epoxymannoside. <i>Chemical Communications</i> , 2005, , 3168.	4.1	7
27	Construction of a Fused Polycyclic Wall within the Cyclodextrin Belt To Ensure a Distorted Cavity: An Unusualtrans-Diequatorial Ring-Opening Reaction of Cyclodextrin Epoxide Rings. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 3113-3118.	2.4	4
28	Selective modification of mono- α - β -cyclodextrin: dependence of O-sulfonylation position on the shape of sulfonylating reactant. <i>Tetrahedron Letters</i> , 2004, 45, 3383-3386.	1.4	5
29	Selective mono-O-sulfonylation of A,B-di- α - β -cyclodextrin by utilizing restricted orientation of a guest-type sulfonylating reactant in the elliptically distorted cavity: the 2A-O- and 3G-O-2-naphthalenesulfonates as a versatile scaffold to prepare artificial enzymes with controlling substrate orientation. <i>Tetrahedron Letters</i> , 2004, 45, 6899-6902.	1.4	2
30	2A,3A-Alloepithio-2A,3A-dideoxy- β -cyclodextrin: synthesis and application in the construction of rigid elliptical cavities with functionality at the secondary hydroxyl side. <i>Tetrahedron Letters</i> , 2004, 45, 9045-9048.	1.4	6
31	The First Successful Crystallographic Characterization of a Cyclodextrin Dimer: Efficient Synthesis and Molecular Geometry of a Doubly Sulfur-Bridged β -Cyclodextrin. <i>Chemistry - A European Journal</i> , 2003, 9, 3501-3506.	3.3	21
32	An efficient strategy for the modification of β -cyclodextrin: direct conversion of one or two adjacent 6-OHs to phthalimides. <i>Tetrahedron Letters</i> , 2003, 44, 565-568.	1.4	19
33	Per(3-deoxy)- β -cyclomannin: a non-glucose cyclooligosaccharide featuring inclusion properties. <i>Tetrahedron Letters</i> , 2003, 44, 4641-4644.	1.4	13
34	Per(3-deoxy)- β -cyclomannin: ann-butanol hexahydrate inclusion complex. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003, 59, o387-o389.	0.2	4
35	Guest differentiation in a 6I,6II-disubstituted β -cyclodextrin. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003, 59, o408-o411.	0.2	0
36	Functionalization of Cyclodextrins via Reactions of 2,3-Anhydrocyclodextrins. <i>Journal of Organic Chemistry</i> , 2003, 68, 9456-9466.	3.2	58

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37	Fluorophore-capped cyclodextrins as efficient chemical-to-light energy converters. <i>Chemical Communications</i> , 2003, , 416-417.	4.1	10
38	Crystal structure of mono[3-(2-imidazolylthio)]- α -D-cyclodextrin: elliptical distortion of the cavity and unique π - π stacking. <i>Chemical Communications</i> , 2003, , 1730-1731.	4.1	19
39	The first successful investigation into a cyclodextrin-based enzyme model as an efficient catalyst for luminol chemiluminescent reaction. <i>Chemical Communications</i> , 2002, , 730-731.	4.1	23
40	(Ethylenediaminetetraacetic Acid)cerium(IV) [CeIV(EDTA)] Complexes with Dual Hydrophobic Binding Sites as Highly Efficient Catalysts for the Hydrolysis of Phosphodiester. <i>Helvetica Chimica Acta</i> , 2002, 85, 1496.	1.6	19
41	Synthesis and selective anion recognition of imidazolium cyclophanes. <i>Tetrahedron</i> , 2002, 58, 8993-8999.	1.9	71
42	Flexible Cyclooligosaccharides: Guest-Binding and Regio-selective Modification. <i>Journal of Inclusion Phenomena and Macroscopic Chemistry</i> , 2002, 44, 323-328.	1.6	3
43	Amplification of the reactivity difference between two methylene groups of cyclodextrins via a cap. <i>Chemical Communications</i> , 2001, , 2706-2707.	4.1	29
44	Synthesis of fullerene-cyclodextrin conjugates. <i>Tetrahedron Letters</i> , 2001, 42, 6727-6729.	1.4	25
45	Selective sulfonylation of one of the 21 different hydroxyl groups of mono- α -D-cyclodextrin. <i>Tetrahedron Letters</i> , 2001, 42, 293-295.	1.4	10
46	Catalytic properties of novel cyclodextrin dimers in the hydrolytic cleavage of p-nitrophenyl alkanoates. <i>Journal of Physical Organic Chemistry</i> , 2001, 14, 515-520.	1.9	3
47	Synergistic effect of cyclodextrin-based binuclear complexes in the hydrolysis of amide. <i>Tetrahedron Letters</i> , 2000, 41, 1825-1828.	1.4	8
48	Regioselective transannular disulfonylation on the 6A, 6C positions of β -cyclodextrin. <i>Tetrahedron Letters</i> , 2000, 41, 6855-6857.	1.4	14
49	Selective synthesis and structure determination of 6A,6C,6E-tri(O-sulfonyl)- β -cyclodextrins. <i>Tetrahedron Letters</i> , 2000, 41, 8117-8120.	1.4	18
50	Restriction of guest rotation based on the distortion of a cyclodextrin cavity. <i>Chemical Communications</i> , 2000, , 541-542.	4.1	31
51	Does the abnormal ring opening of cyclodextrin-2,3-epoxide have generality?. <i>Tetrahedron Letters</i> , 1999, 40, 1513-1514.	1.4	11
52	Guest-induced conformational change in a flexible host: mono- α -D-cyclodextrin. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 1689-1696.	1.8	56
53	Molecular sugar bowl: β -cyclodextrin with a disaccharide floor. <i>Tetrahedron Letters</i> , 1999, 40, 923-926.	1.4	14
54	Cyclodextrin-accelerated cleavage of phenyl esters: is it the 2-hydroxy or the 3-hydroxy that promotes the acyl transfer?. <i>Chemical Communications</i> , 1999, , 1045-1046.	4.1	12

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55	Syntheses of imidazolium-bridged cyclodextrin dimers and their catalytic properties in the hydrolytic cleavage of <i>p</i> -nitrophenyl alkanoates. Chinese Journal of Chemistry, 1999, 17, 384-390.	4.9	12
56	Cyclodextrin-based class I aldolase enzyme mimics to catalyze crossed aldol condensations. Tetrahedron Letters, 1998, 39, 7673-7676.	1.4	37
57	Synthesis of Novel Squarylium Cyclophanes. Synthetic Communications, 1998, 28, 119-122.	2.1	1
58	Synthesis of Novel Cyclodextrin Trimers. Synthetic Communications, 1998, 28, 3845-3848.	2.1	11
59	Selective mono- and bis-condensations of isophthalaldehyde derivative with 6-(<i>o</i> -aminoanilino)cyclodextrins. Journal of the Chemical Society Perkin Transactions 1, 1997, , 3135-3136.	0.9	3
60	Regiospecifically multifunctional β -cyclodextrins with two or three glucose residues bearing imidazolyl groups at the C3 positions. Tetrahedron Letters, 1997, 38, 4599-4602.	1.4	11
61	Synthesis and Properties of Phenylenebisbenzimidazole Capped β -Cyclodextrins. Tetrahedron Letters, 1997, 38, 7593-7596.	1.4	4
62	The first complete set of authentic functional β -cyclodextrins with one imidazolyl group specifically attached to C-2 or C-3. Chemical Communications, 1996, , 821-822.	4.1	30
63	Synthesis and unique NMR behaviour of a novel capped β -cyclodextrin. Chemical Communications, 1996, , 1943-1944.	4.1	9
64	Bifunctional β -cyclodextrins with two imidazolyl groups specifically attached to C3 positions. Tetrahedron Letters, 1996, 37, 7561-7564.	1.4	9
65	β -Cyclodextrin-TEBA: A New Catalyst System For Selective Synthesis of α -Hydroxyacids. Synthetic Communications, 1994, 24, 43-46.	2.1	16
66	Direct Imidazolymethylation of Phenols. Synthetic Communications, 1994, 24, 47-52.	2.1	13
67	Selective Mono- and Bis-Oxidation of 2,6-bis-(Hydroxy-methyl) phenols with Active Manganese Dioxide. Synthetic Communications, 1994, 24, 53-58.	2.1	15