

D Armspach

List of Publications by Year in descending order

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65
papers

2,328
citations

201674

27
h-index

223800

46
g-index

84
all docs

84
docs citations

84
times ranked

1654
citing authors

#	ARTICLE	IF	CITATIONS
1	Capped Cyclodextrins. <i>Chemical Reviews</i> , 2003, 103, 4147-4174.	47.7	239
2	Metallated cavitands (calixarenes, resorcinarenes, cyclodextrins) with internal coordination sites. <i>Coordination Chemistry Reviews</i> , 2013, 257, 776-816.	18.8	126
3	The Self-Assembly of Catenated Cyclodextrins. <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 854-858.	4.4	103
4	Catenated Cyclodextrins. <i>Chemistry - A European Journal</i> , 1995, 1, 33-55.	3.3	99
5	Bucky Ligands: Synthesis, Ruthenium(II) Complexes, and Electrochemical Properties. <i>Chemistry - A European Journal</i> , 1998, 4, 723-733.	3.3	92
6	BINOL-derived phosphoramidites in asymmetric hydrogenation: can the presence of a functionality in the amino group influence the catalytic outcome?. <i>Chemical Society Reviews</i> , 2008, 37, 839.	38.1	79
7	Playing with podands based on cone-shaped cavities. How can a cavity influence the properties of an appended metal centre?. <i>Chemical Communications</i> , 2005, , 5603.	4.1	78
8	Confining Phosphanes Derived from Cyclodextrins for Efficient Regio- and Enantioselective Hydroformylation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3937-3940.	13.8	74
9	Boron-rich metallodendrimers – mix-and-match assembly of multifunctional metallocupramolecules. <i>Chemical Communications</i> , 1996, , 1823-1824.	4.1	71
10	Metal-capped β -cyclodextrins: the crowning of the oligosaccharide torus with precious metals. <i>Chemical Communications</i> , 1999, , 1073-1074.	4.1	71
11	Cyclodextrin Cavities as Probes for Ligand-Exchange Processes. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2526-2529.	13.8	59
12	Cyclodextrin Phosphanes as First and Second Coordination Sphere Cavitands. <i>Chemistry - A European Journal</i> , 2003, 9, 3091-3105.	3.3	52
13	Synthesis and Properties of TRANSDIP, a Rigid Chelator Built upon a Cyclodextrin Cavity: Is TRANSDIP an Authentic <i>trans</i> -Spanning Ligand?. <i>Chemistry - A European Journal</i> , 2007, 13, 9448-9461.	3.3	52
14	The tris(4-tert-butylphenyl)methyl group: a bulky substituent for effective regioselective difunctionalisation of cyclomaltohexaose. <i>Carbohydrate Research</i> , 1998, 310, 129-133.	2.3	51
15	Bucky-ligands: fullerene-substituted oligopyridines for metallocupramolecular chemistry. <i>Chemical Communications</i> , 1996, , 2009.	4.1	44
16	Diastereospecific synthesis of phosphinidene-capped cyclodextrins leading to <i>ent</i> -ligands. <i>Chemical Communications</i> , 2004, , 634-635.	4.1	44
17	Carborane-functionalised 2,2',6',2''-terpyridine ligands for metallocupramolecular chemistry: Syntheses, complex formation, and the crystal and molecular structures of 4'-ortho-carboranyl)-2,2',6',2''-terpyridine and 4'-ortho-carboranylpropoxy)-2,2',6',2''-terpyridine. This paper is dedicated to Professor Ken Wade on the occasion of his 65th birthday. <i>Journal of Organometallic Chemistry</i> , 1998, 550, 193-206.	3.8	43
18	A Cyclodextrin Diphosphane as a First and Second Coordination Sphere Cavitand: Evidence for Weak C-H...Cl...Cl...M Hydrogen Bonds within Metal-Capped Cavities. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2593-2596.	3.8	43

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19	Selective Tetrafunctionalisation of β -Cyclodextrin using the Supertrityl Protecting Group α Synthesis of the First C ₂ -Symmetric Tetraphosphane Based on a Cavitand (β -TEPHOS). <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1377-1381.	2.4	43
20	A Metallocavitand Functioning as a Container for Anions: Formation of Noncovalent Linear Assemblies Mediated by a Cyclodextrin-Entrapped NO ₃ ⁻ Ion. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2663-2665.	13.8	41
21	Regioselective Double Capping of Cyclodextrin Scaffolds. <i>Chemistry - A European Journal</i> , 2011, 17, 3911-3921.	3.3	41
22	Cyclodextrin-Encapsulated Iron Catalysts for the Polymerization of Ethylene. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 805-809.	2.0	39
23	A new approach to A,B-difunctionalisation of cyclodextrins using bulky 1,3-bis[bis(aryl)chloromethyl]benzenes as capping reagents. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2588.	2.8	31
24	Selbstorganisation von Catenanen mit Cyclodextrineinheiten. <i>Angewandte Chemie</i> , 1993, 105, 944-948.	2.0	28
25	Chiral selectors for enantioresolution and quantitation of the antidepressant drug fluoxetine in pharmaceutical formulations by 19F NMR spectroscopic method. <i>Analytica Chimica Acta</i> , 2007, 601, 130-138.	5.4	28
26	Metal-Capped β -Cyclodextrins: Squaring the Circle. <i>Inorganic Chemistry</i> , 2001, 40, 3505-3509.	4.0	26
27	Dicobalt cluster functionalized 2,2',6''-terpyridine ligands and their ruthenium(II) complexes. <i>Polyhedron</i> , 2001, 20, 483-492.	2.2	26
28	Synthesis of large chelate rings with diphosphites built on a cyclodextrin scaffold. Unexpected formation of 1,2-phenylene-capped β -cyclodextrins. <i>Comptes Rendus Chimie</i> , 2002, 5, 359-372.	0.5	26
29	Phosphane-Phosphite Chelators Built on a β -Cyclodextrin Scaffold: Application in Rh-Catalysed Asymmetric Hydrogenation and Hydroformylation. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6069-6077.	2.4	26
30	Cyclodextrin and phosphorus (<sc>P</sc>): a versatile combination for coordination chemistry and catalysis. <i>Dalton Transactions</i> , 2015, 44, 12942-12969.	3.3	26
31	Benzimidazolium- and Benzimidazolilydene-Capped Cyclodextrins: New Perspectives in Anion Encapsulation and Gold-Catalyzed Cycloisomerization of 1,6-Enynes. <i>Chemistry - A European Journal</i> , 2018, 24, 17921-17926.	3.3	25
32	Sulfur-capped cyclodextrins: a new class of cavitands with extroverted as well as introverted donor functionalities. <i>Chemical Communications</i> , 2006, , 2678.	4.1	24
33	Anchoring a helical handle across a cavity: the first 2,2'-bipyridyl-capped β -cyclodextrin capable of encapsulating transition metals. <i>Polyhedron</i> , 2001, 20, 663-668.	2.2	22
34	Phosphinocyclodextrins as confining units for catalytic metal centres. Applications to carbon-carbon bond forming reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2388-2405.	2.2	21
35	Through-space nuclear spin-spin couplings in ferrocenyl polyphosphanes and diphosphino cavitands: A new way of gathering structural information in constrained P(III) ligands by NMR. <i>Comptes Rendus Chimie</i> , 2009, 12, 1002-1013.	0.5	20
36	A Cavity-Shaped Diphosphane Displaying Oschelating Behavior. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1554-1559.	13.8	20

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37	Regioselective opening of proximally sulfato-capped cyclodextrins. <i>Chemical Communications</i> , 2012, 48, 6028.	4.1	19
38	Synthesis of Optically Active Polystyrene Catalyzed by Monophosphine Pd Complexes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8367-8370.	13.8	19
39	Title is missing!. <i>Angewandte Chemie</i> , 2002, 114, 2705-2708.	2.0	18
40	Cavity-shaped ligands for asymmetric metal catalysis. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214066.	18.8	17
41	The First Rull Bipyridyl-Capped Cyclodextrin: Evidence of Electron-Transfer Through the Cavity. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 1147-1150.	2.0	17
42	Carboranyl cluster-functionalised ligands for metallocsupramolecular chemistry. <i>Supramolecular Chemistry</i> , 1996, 7, 97-100.	1.2	16
43	Efficient, Rhodium-Catalyzed Hydrogenation of β -Dehydroamino Acid Esters with Chiral Monodentate Aminophosphanes Bearing Two Binaphthyl Groups. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5395-5403.	2.4	15
44	Conical cavitands as second coordination spheres and protecting environments. Towards metal-centred, intra-cavity reactions. <i>Journal of the Iranian Chemical Society</i> , 2004, 1, 10-19.	2.2	14
45	β -TEPHOS: a cyclodextrin-derived tetraphosphine for multiple metal binding. <i>Dalton Transactions</i> , 2007, , 3195-3202.	3.3	14
46	Self-Assembled Monolayers of β -Cyclodextrin Derivatives on Gold and Their Host-Guest Behavior. <i>Langmuir</i> , 2009, 25, 1534-1539.	3.5	14
47	Methylated cyclodextrins as preorganisation platforms for the synthesis of multidentate chelating ligands aimed at transition metal coordination and industrially relevant catalysis. <i>Comptes Rendus Chimie</i> , 2011, 14, 135-148.	0.5	14
48	Ditopic binding of cyclodextrin-included ligands in trigonal silver(I) complexes. <i>Polyhedron</i> , 2011, 30, 573-578.	2.2	14
49	A Metallocavitand Functioning as a Container for Anions: Formation of Noncovalent Linear Assemblies Mediated by a Cyclodextrin-Entrapped NO_3^- Ion. <i>Angewandte Chemie</i> , 2007, 119, 2717-2719.	2.0	13
50	Non-conventional coordination of cavity-confined metal centres. <i>Dalton Transactions</i> , 2012, 41, 8786.	3.3	13
51	TRANSDIP: A <i>trans</i> -Chelating Ligand Tailor-Made for Probing Unusual Pd^0 and Pd^{II} Intermediates. <i>Chemistry - A European Journal</i> , 2012, 18, 10813-10816.	3.3	13
52	Aza-capped cyclodextrins for intra-cavity metal complexation. <i>Chemical Communications</i> , 2017, 53, 11717-11720.	4.1	13
53	A Comparative Study of Confining Ligands Derived from Methylated Cyclodextrins in Gold-Catalyzed Cycloisomerization of 1,6-Enynes. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4528-4537.	2.4	12
54	Efficient asymmetric hydrogenation of olefins with hydrazine-derived diphosphoramidites. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 3340.	2.8	11

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55	Regioselective di- and tetra-functionalisation of β -cyclodextrin using capping methodology. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3699.	2.8	11
56	Synthesis of Chiral, Monodentate Aminophosphane and Phosphoramidite Ligands Derived from Amino Acid Esters: Application in Rh-Catalysed Asymmetric Olefin Hydrogenation Reactions. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4153-4161.	2.0	10
57	Oxidation of the triterpenic hopane skeleton by peracids. <i>Tetrahedron Letters</i> , 1990, 31, 6523-6526.	1.4	8
58	Cyclodextrin-based thiacavitands as building blocks for the construction of metallo-nanotubes. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 243-250.	1.6	8
59	Self-Mediated Stereoselective Oxidation of Thia-Capped Cyclodextrins. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4555-4558.	13.8	6
60	Chelating properties of permethylated 6A,6D-dideoxy-6A,6D-bis(1-imidazolyl)cyclodextrins towards Pt(II) and Ru(III). <i>Comptes Rendus Chimie</i> , 2013, 16, 509-514.	0.5	6
61	Capping Methodology in Cyclodextrin Chemistry: Use of a Symmetrical Diketone Reagent for Regiospecific Installation of Unsymmetrical Imine-Enamine and Imidazole Caps. <i>Chemistry - A European Journal</i> , 2014, 20, 2565-2573.	3.3	6
62	Synthesis of Optically Active Polystyrene Catalyzed by Monophosphine Pd Complexes. <i>Angewandte Chemie</i> , 2016, 128, 8507-8510.	2.0	5
63	Capped Cyclodextrins. <i>ChemInform</i> , 2004, 35, no.	0.0	0
64	Conical Cavitands as Second Coordination Spheres and Protecting Environments. Toward Metal-Centered, Intracavity Reactions. <i>ChemInform</i> , 2005, 36, no.	0.0	0
65	Crystal structure of nonadecamethylated 6A,6C-epithio-6A,6C-dideoxy- β -cyclodextrin \cdot pentane \cdot water (1:1:1), C ₆₁ H ₁₀₆ O ₃₃ S \cdot C ₅ H ₁₂ \cdot H ₂ O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2009, 224, 265-268.	0.3	0