

# D Armspach

## List of Publications by Year in descending order

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65  
papers

2,328  
citations

201674

27  
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223800

46  
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84  
all docs

84  
docs citations

84  
times ranked

1654  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cavity-shaped ligands for asymmetric metal catalysis. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214066.	18.8	17
2	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
3	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
4	Aza-capped cyclodextrins for intra-cavity metal complexation. <i>Chemical Communications</i> , 2017, 53, 11717-11720.	4.1	13
5	Synthesis of Optically Active Polystyrene Catalyzed by Monophosphine Pd Complexes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8367-8370.	13.8	19
6	Synthesis of Optically Active Polystyrene Catalyzed by Monophosphine Pd Complexes. <i>Angewandte Chemie</i> , 2016, 128, 8507-8510.	2.0	5
7	Cyclodextrin and phosphorus: a versatile combination for coordination chemistry and catalysis. <i>Dalton Transactions</i> , 2015, 44, 12942-12969.	3.3	26
8	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
9	Confining Phosphanes Derived from Cyclodextrins for Efficient Regio- and Enantioselective Hydroformylation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3937-3940.	13.8	74
10	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
11	Phosphane-Phosphite Chelators Built on a Cyclodextrin Scaffold: Application in Rh-Catalysed Asymmetric Hydrogenation and Hydroformylation. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6069-6077.	2.4	26
12	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
13	Metallated cavitands (calixarenes, resorcinarenes, cyclodextrins) with internal coordination sites. <i>Coordination Chemistry Reviews</i> , 2013, 257, 776-816.	18.8	126
14	Regioselective di- and tetra-functionalisation of $\beta$ -cyclodextrin using capping methodology. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3699.	2.8	11
15	Non-conventional coordination of cavity-confined metal centres. <i>Dalton Transactions</i> , 2012, 41, 8786.	3.3	13
16	Regioselective opening of proximally sulfato-capped cyclodextrins. <i>Chemical Communications</i> , 2012, 48, 6028.	4.1	19
17	TRANSDIP: A <i>trans</i> -Chelating Ligand Tailor-Made for Probing Unusual Pd <sup>0</sup> and Pd <sup>II</sup> Intermediates. <i>Chemistry - A European Journal</i> , 2012, 18, 10813-10816.	3.3	13
18	A Cavity-Shaped Diphosphane Displaying $\sigma$ -Schelating Behavior. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1554-1559.	13.8	20

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19	Regioselective Double Capping of Cyclodextrin Scaffolds. <i>Chemistry - A European Journal</i> , 2011, 17, 3911-3921.	3.3	41
20	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
21	Ditopic binding of cyclodextrin-included ligands in trigonal silver(I) complexes. <i>Polyhedron</i> , 2011, 30, 573-578.	2.2	14
22	Self-Mediated Stereoselective Oxidation of Thia-Capped Cyclodextrins. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4555-4558.	13.8	6
23	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
24	Self-Assembled Monolayers of $\beta$ -Cyclodextrin Derivatives on Gold and Their Host-Guest Behavior. <i>Langmuir</i> , 2009, 25, 1534-1539.	3.5	14
25	Crystal structure of nonadecamethylated 6A,6C-epithio-6A,6C-dideoxy- $\beta$ -cyclodextrin pentane-water (1:1:1), C <sub>61</sub> H <sub>106</sub> O <sub>33</sub> S · C <sub>5</sub> H <sub>12</sub> · H <sub>2</sub> O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2009, 224, 265-268.	0.3	0
26	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
27	$\beta$ -TEPHOS: a cyclodextrin-derived tetraphosphine for multiple metal binding. <i>Dalton Transactions</i> , 2007, , 3195-3202.	3.3	14
28	Efficient asymmetric hydrogenation of olefins with hydrazine-derived diphosphoramidites. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 3340.	2.8	11
29	Synthesis and Properties of TRANS DIP, a Rigid Chelator Built upon a Cyclodextrin Cavity: Is TRANS DIP an Authentic <i>trans</i> -Spanning Ligand?. <i>Chemistry - A European Journal</i> , 2007, 13, 9448-9461.	3.3	52
30	A Metallocavitand Functioning as a Container for Anions: Formation of Noncovalent Linear Assemblies Mediated by a Cyclodextrin-Entrapped NO <sub>3</sub> <sup>-</sup> Ion. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2663-2665.	13.8	41
31	A Metallocavitand Functioning as a Container for Anions: Formation of Noncovalent Linear Assemblies Mediated by a Cyclodextrin-Entrapped NO <sub>3</sub> <sup>-</sup> Ion. <i>Angewandte Chemie</i> , 2007, 119, 2717-2719.	2.0	13
32	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
33	Efficient, Rhodium-Catalyzed Hydrogenation of $\beta$ -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
34	Chiral selectors for enantioresolution and quantitation of the antidepressant drug fluoxetine in pharmaceutical formulations by <sup>19</sup> F NMR spectroscopic method. <i>Analytica Chimica Acta</i> , 2007, 601, 130-138.	5.4	28
35	Cyclodextrin-based thiocavitands 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
36	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

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37	Conical Cavitanas as Second Coordination Spheres and Protecting Environments. Toward Metal-Centered, Intracavity Reactions. <i>ChemInform</i> , 2005, 36, no.	0.0	0
38	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
39	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
40	Conical cavitanas 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
41	Capped Cyclodextrins. <i>ChemInform</i> , 2004, 35, no.	0.0	0
42	Diastereospecific synthesis of phosphinidene-capped cyclodextrins leading to $\alpha$ -introverted ligands. <i>Chemical Communications</i> , 2004, , 634-635.	4.1	44
43	Cyclodextrin-Encapsulated Iron Catalysts for the Polymerization of Ethylene. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 805-809.	2.0	39
44	Selective Tetrafunctionalisation of $\beta$ -Cyclodextrin using the Supertrityl Protecting Group $\alpha$ Synthesis of the First C <sub>2</sub> -Symmetric Tetraphosphane Based on a Cavitanas ( $\beta$ -TEPHOS). <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1377-1381.	2.4	43
45	Cyclodextrin Phosphanes as First and Second Coordination Sphere Cavitanas. <i>Chemistry - A European Journal</i> , 2003, 9, 3091-3105.	3.3	52
46	Capped Cyclodextrins. <i>Chemical Reviews</i> , 2003, 103, 4147-4174.	47.7	239
47	Title is missing!. <i>Angewandte Chemie</i> , 2002, 114, 2705-2708.	2.0	18
48	A Cyclodextrin Diphosphane as a First and Second Coordination Sphere Cavitanas: Evidence for Weak C $\pi$ -H $\pi$ ... $\pi$ ...C $\pi$ -M Hydrogen Bonds within Metal-Capped Cavities. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2593-2596.	3.8	43
49	Synthesis of large chelate rings with diphosphites built on a cyclodextrin scaffold. Unexpected formation of 1,2-phenylene-capped $\beta$ -cyclodextrins. <i>Comptes Rendus Chimie</i> , 2002, 5, 359-372.	0.5	26
50	Metal-Capped $\beta$ -Cyclodextrins: $\alpha$ Squaring the Circle. <i>Inorganic Chemistry</i> , 2001, 40, 3505-3509.	4.0	26
51	Anchoring a helical handle across a cavity: the first 2,2'-bipyridyl-capped $\beta$ -cyclodextrin capable of encapsulating transition metals. <i>Polyhedron</i> , 2001, 20, 663-668.	2.2	22
52	Dicobalt cluster functionalized 2,2'-bipyridyl-6-terpyridine ligands and their ruthenium(II) complexes. <i>Polyhedron</i> , 2001, 20, 483-492.	2.2	26
53	Cyclodextrin Cavities as Probes for Ligand-Exchange Processes. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2526-2529.	13.8	59
54	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

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55	Metal-capped $\beta$ -cyclodextrins: the crowning of the oligosaccharide torus with precious metals. <i>Chemical Communications</i> , 1999, , 1073-1074.	4.1	71
56	The tris(4-tert-butylphenyl)methyl group: a bulky substituant for effective regioselective difunctionalisation of cyclomaltohexaose. <i>Carbohydrate Research</i> , 1998, 310, 129-133.	2.3	51
57	Bucky Ligands: Synthesis, Ruthenium(II) Complexes, and Electrochemical Properties. <i>Chemistry - A European Journal</i> , 1998, 4, 723-733.	3.3	92
58	Carborane-functionalised 2,2':6''':2''-terpyridine ligands for metallosupramolecular 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.	1.1	1
59	Carboranyl cluster-functionalised ligands for metallosupramolecular chemistry. <i>Supramolecular Chemistry</i> , 1996, 7, 97-100.	1.2	16
60	Bucky-ligands: fullerene-substituted oligopyridines for metallosupramolecular chemistry. <i>Chemical Communications</i> , 1996, , 2009.	4.1	44
61	Boron-rich metallodendrimersâ€”mix-and-match assembly of multifunctional metallosupramolecules. <i>Chemical Communications</i> , 1996, , 1823-1824.	4.1	71
62	Catenated Cyclodextrins. <i>Chemistry - A European Journal</i> , 1995, 1, 33-55.	3.3	99
63	The Self-Assembly of Catenated Cyclodextrins. <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 854-858.	4.4	103
64	Selbstorganisation von Catenanen mit Cyclodextrineinheiten. <i>Angewandte Chemie</i> , 1993, 105, 944-948.	2.0	28
65	Oxidation of the triterpenic hopane skeleton by peracids. <i>Tetrahedron Letters</i> , 1990, 31, 6523-6526.	1.4	8