

# Dominique Matt

## List of Publications by Year in descending order

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94  
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#	ARTICLE	IF	CITATIONS
1	Phosphines and other P(III) derivatives with Cavity-shaped Subunits: Valuable Ligands for Supramolecular Metal Catalysis, Metal Confinement and Subtle Steric Control. <i>ChemCatChem</i> , 2021, 13, 153-168.	3.7	15
2	Stereochemical Control of Tricoordinate Copper(I) Complexes Based on N-(9-Alkyl-9-fluorenyl)-Substituted Heterocyclic Carbenes. <i>Synthesis</i> , 2021, 53, 1785-1794.	2.3	1
3	Anagostic Interactions in Alkyl-Fluorenyl-Substituted N-Heterocyclic Carbene Complexes of Palladium(II). <i>Australian Journal of Chemistry</i> , 2020, 73, 579.	0.9	0
4	Metallated Container Molecules: A Capsular Nickel Catalyst for Enhanced Butadiene Polymerisation. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4690-4694.	2.0	3
5	Adaptive Behavior of a Ditopic Phosphine Ligand. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2996-3004.	2.0	2
6	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
7	Synthesis of the First Resorcin[4]arene-Functionalized Triazolium Salts and Their Use in Suzuki-Miyaura Cross-Coupling Reactions. <i>Catalysts</i> , 2019, 9, 388.	3.5	3
8	Complexes featuring N-heterocyclic carbenes with bowl-shaped wingtips. <i>Comptes Rendus Chimie</i> , 2019, 22, 299-309.	0.5	5
9	Palladium complexes of N-heterocyclic carbenes displaying an unsymmetrical N-alkylfluorenyl/N <sup>2</sup> -aryl substitution pattern and their behaviour in Suzuki-Miyaura cross coupling. <i>Dalton Transactions</i> , 2019, 48, 14516-14529.	3.3	7
10	Regioselective Synthesis of Indene from 3-Aryl Propargylic gem-Dipivalates Catalyzed by N-Heterocyclic Carbene Gold(I) Complexes. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2453-2459.	4.3	9
11	Cavitand Chemistry: Nickel Half-Sandwich Complexes with Imidazolylidene Ligands Bearing One or Two Resorcinarenyl Substituents. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 890-896.	2.0	6
12	Synthesis and structure of two crowded trans-[PdCl <sub>2</sub> L <sub>2</sub> ] complexes based on a chiral, calix[4]arene-fused phosphole. <i>Polyhedron</i> , 2018, 139, 172-177.	2.2	1
13	Benzimidazolium- and Benzimidazolylidene-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
14	Resorcinarene-Based Biarylphosphines in Palladium-Catalysed Suzuki-Miyaura Cross-Coupling Reactions of Bulky Substrates. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 685-693.	2.0	8
15	Metal Confinement through N-(9-Alkyl)fluorenyl-Substituted N-Heterocyclic Carbenes and Its Consequences in Gold-Catalysed Reactions Involving Enynes. <i>Chemistry - A European Journal</i> , 2017, 23, 7809-7818.	3.3	35
16	Substrate-Selective Olefin Hydrogenation with a Cavitand-Based Bis(N-isyl iminophosphorane). <i>European Journal of Organic Chemistry</i> , 2017, 2017, 70-76.	2.4	17
17	Aza-capped cyclodextrins for intra-cavity metal complexation. <i>Chemical Communications</i> , 2017, 53, 11717-11720.	4.1	13
18	The Use of Resorcinarene Cavitands in Metal-Based Catalysis. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6100-6113.	2.4	44

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19	Calix[4]arene-fused phospholes. Dalton Transactions, 2017, 46, 9833-9845.	3.3	19
20	Cavitand Chemistry â€œ Towards Metalloencapsular Catalysts. European Journal of Organic Chemistry, 2017, 2017, 313-323.	2.4	22
21	The Influence of Imidazolylidene Ligands with Bulky Resorcinarenyl Substituents on Catalysts for Suzuki-Miyaura Coupling. European Journal of Inorganic Chemistry, 2016, 2016, 1115-1120.	2.0	25
22	Synthesis of Optically Active Polystyrene Catalyzed by Monophosphine Pd Complexes. Angewandte Chemie - International Edition, 2016, 55, 8367-8370.	13.8	19
23	Synthesis of Optically Active Polystyrene Catalyzed by Monophosphine Pd Complexes. Angewandte Chemie, 2016, 128, 8507-8510.	2.0	5
24	A Calixarene-Decorated Phosphole Oxide. European Journal of Organic Chemistry, 2016, 2016, 3103-3108.	2.4	7
25	Crystal structure of <i>trans</i> -dichlorido[1,3-bis(9-methyl-9H-fluoren-9-yl) benzimidazol-2-ylidene] (pyridine) palladium(II) â€œ a compound with anagostic CHâ€œPd interactions, C <sub>40</sub> H <sub>31</sub> Cl <sub>2</sub> N <sub>3</sub> Pd. Zeitschrift Fur Kristallographie - New Crystal Structures, 2016, 231, 733-735.	0.3	3
26	Cavitand Scission by Transition-Metal Centres â€œ Cleaved Cavitand Chirality and Its Consequences. European Journal of Inorganic Chemistry, 2016, 2016, 497-502.	2.0	2
27	Arylcalixarenyl Phosphines in Palladium-Catalyzed Suzuki-Miyaura Cross-Coupling Reactions. European Journal of Organic Chemistry, 2016, 2016, 1867-1873.	2.4	11
28	Copper-Catalysed Allylic Substitution Using 2,8,14,20-Tetrapentylresorcinarenyl-Substituted Imidazolium Salts. European Journal of Organic Chemistry, 2015, 2015, 7310-7316.	2.4	16
29	â€œHummingbirdâ€œ Behaviour of N-Heterocyclic Carbenes Stabilises Out-of-Plane Bonding of AuCl and CuCl Units. Chemistry - A European Journal, 2015, 21, 10997-11000.	3.3	19
30	Palladium-catalysed Suzuki-Miyaura cross-coupling with imidazolylidene ligands substituted by crowded resorcinarenyl and calixarenyl units. Turkish Journal of Chemistry, 2015, 39, 1171-1179.	1.2	11
31	Alkylfluorenyl substituted N-heterocyclic carbenes in copper( <i>scpi</i> ) catalysed hydrosilylation of aldehydes and ketones. Dalton Transactions, 2015, 44, 13991-13998.	3.3	24
32	Cyclodextrin and phosphorus( <i>scpiii</i> ): a versatile combination for coordination chemistry and catalysis. Dalton Transactions, 2015, 44, 12942-12969.	3.3	26
33	N-Alkylfluorenyl-substituted N-heterocyclic carbenes as bimodal pincers. Dalton Transactions, 2015, 44, 9260-9268.	3.3	22
34	Cracking Cavitands: Metal-Directed Scission of Phosphinyl-Substituted Resorcinarenes. Chemistry - A European Journal, 2015, 21, 6678-6681.	3.3	12
35	Crystal structure of <i>trans</i> -[1,3-bis(9-benzyl-9H-fluoren-9-yl) benzimidazol-2-ylidene] pyridine palladium(II) dichloride, C <sub>52</sub> H <sub>39</sub> Cl <sub>2</sub> N <sub>3</sub> Pd. Zeitschrift Fur Kristallographie - New Crystal Structures, 2014, 229, 169-171.	0.3	2
36	Phosphinocyclodextrins as confining units for catalytic metal centres. Applications to carbon-carbon bond forming reactions. Beilstein Journal of Organic Chemistry, 2014, 10, 2388-2405.	2.2	21

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37	Confining Phosphanes Derived from Cyclodextrins for Efficient Regio- and Enantioselective Hydroformylation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3937-3940.	13.8	74
38	Directional properties of fluorenylidene moieties in unsymmetrically substituted N-heterocyclic carbenes. Unexpected CH activation of a methylfluorenyl group with palladium. Use in palladium catalysed Suzuki-Miyaura cross coupling of aryl chlorides. <i>Dalton Transactions</i> , 2014, 43, 12251-12262.	3.3	23
39	Synthesis and catalytic relevance of P(III) and P(V)-functionalised calixarenes and resorcinarenes. <i>Coordination Chemistry Reviews</i> , 2014, 279, 58-95.	18.8	49
40	The calixarene cavity – binding site or refuge?. <i>Supramolecular Chemistry</i> , 2014, 26, 480-487.	1.2	2
41	Resorcinarenyl-Phosphines in Suzuki-Miyaura Cross-Coupling Reactions of Aryl Chlorides. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 1364-1372.	2.0	19
42	Pseudo-capsular behaviour of two trans-coordinated calixarenyl phosphines. <i>Transition Metal Chemistry</i> , 2013, 38, 821-825.	1.4	4
43	Resorcinarene-Functionalised Imidazolium Salts as Ligand Precursors for Palladium-Catalysed Suzuki-Miyaura Cross-Couplings. <i>ChemCatChem</i> , 2013, 5, 1116-1125.	3.7	31
44	Metallated cavitands (calixarenes, resorcinarenes, cyclodextrins) with internal coordination sites. <i>Coordination Chemistry Reviews</i> , 2013, 257, 776-816.	18.8	126
45	N-Heterocyclic Carbenes Functioning as Monoligating Clamps. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2841-2848.	2.0	46
46	Subtle Steric Effects in Nickel-Catalysed Kumada-Tamao-Corriu Cross-Coupling Using Resorcinarenyl-Imidazolium Salts. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 4443-4449.	2.4	20
47	Resorcin[4]arene-derived mono-, bis- and tetra-imidazolium salts as ligand precursors for Suzuki-Miyaura cross-coupling. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 372-382.	2.8	24
48	Non-conventional coordination of cavity-confined metal centres. <i>Dalton Transactions</i> , 2012, 41, 8786.	3.3	13
49	Binucleating behaviour of a proximally-diphosphinated calix[4]arene. <i>Dalton Transactions</i> , 2011, 40, 10063.	3.3	7
50	Calix[4]arenes with one and two N-linked imidazolium units as precursors of N-heterocyclic carbene complexes. <i>Coordination chemistry and use in Suzuki-Miyaura cross-coupling</i> . <i>Dalton Transactions</i> , 2011, 40, 9889.	3.3	39
51	High efficiency of cavity-based triaryl-phosphines in nickel-catalysed Kumada-Tamao-Corriu cross-coupling. <i>Chemical Communications</i> , 2011, 47, 6626.	4.1	43
52	A Cavity-Shaped Diphosphane Displaying $\pi$ -Ochelating Behavior. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1554-1559.	13.8	20
53	Regioselective Double Capping of Cyclodextrin Scaffolds. <i>Chemistry - A European Journal</i> , 2011, 17, 3911-3921.	3.3	41
54	Ditopic binding of cyclodextrin-included ligands in trigonal silver(I) complexes. <i>Polyhedron</i> , 2011, 30, 573-578.	2.2	14

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55	Regioselective Grafting of Two $\text{CH}_2\text{P}(\text{X})\text{Ph}_2$ Units (X = O, Lone Pair) onto a Resorcin[4]arene-Derived Cavitand. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 1158-1168.	2.4	23
56	Resorcin[4]arene-Derived Mono- and Diphosphines in Suzuki Cross-Coupling. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 901-908.	4.3	18
57	Cavity-Shaped Ligands: Calix[4]arene-Based Monophosphanes for Fast Suzuki-Miyaura Cross-Coupling. <i>Chemistry - A European Journal</i> , 2010, 16, 9237-9247.	3.3	65
58	Calix[4]arene-diphosphite rhodium complexes in solvent-free hydroaminovinylation of olefins. <i>Green Chemistry</i> , 2010, 12, 1670.	9.0	24
59	Micellar Effects in Olefin Hydroformylation Catalysed by Neutral, Calix[4]arene-Diphosphite Rhodium Complexes. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1629-1636.	4.3	37
60	Calix[4]arene-Phosphine Dimers: Precursors of Flexible Metallo-Capsules and Self-Compacting Molecules. <i>Chemistry - A European Journal</i> , 2009, 15, 10446-10456.	3.3	13
61	Calix[4]arene daisy-chains. <i>Chemical Society Reviews</i> , 2009, 38, 2117.	38.1	61
62	Synthesis of a resorcinarene-based tetraphosphine-cavitand and its use in Heck reactions. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 495-501.	2.8	35
63	Influence des propriétés intrinsèques de ligands calixariques sur des réactions de transformation catalytique de l'athylène. <i>Comptes Rendus Chimie</i> , 2008, 11, 583-594.	0.5	13
64	Highly Regioselective Hydroformylation with Hemispherical Chelators. <i>Chemistry - A European Journal</i> , 2008, 14, 7144-7155.	3.3	71
65	Structure-reactivity relationships in SHOP-type complexes: tunable catalysts for the oligomerisation and polymerisation of ethylene. <i>Dalton Transactions</i> , 2007, , 515-528.	3.3	210
66	Efficient asymmetric hydrogenation of olefins with hydrazine-derived diphosphoramidites. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 3340.	2.8	11
67	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
68	A Metallocavitand Functioning as a Container for Anions: Formation of Noncovalent Linear Assemblies Mediated by a Cyclodextrin-Entrapped $\text{NO}_3^-$ Ion. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2663-2665.	13.8	41
69	A Metallocavitand Functioning as a Container for Anions: Formation of Noncovalent Linear Assemblies Mediated by a Cyclodextrin-Entrapped $\text{NO}_3^-$ Ion. <i>Angewandte Chemie</i> , 2007, 119, 2717-2719.	2.0	13
70	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
71	Ethylene Oligomerisation and Polymerisation with Nickel Phosphanylenolates Bearing Electron-Withdrawing Substituents: Structure-Reactivity Relationships. <i>Chemistry - A European Journal</i> , 2006, 12, 5210-5219.	3.3	62
72	Regioselectivity with Hemispherical Chelators: Increasing the Catalytic Efficiency of Complexes of Diphosphanes with Large Bite Angles. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5810-5814.	13.8	78

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73	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
74	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
75	Diphosphines with Expandable Bite Angles: Highly Active Ethylene Dimerisation Catalysts Based on Upper Rim, Distally Diphosphinated Calix[4]arenes. <i>Chemistry - A European Journal</i> , 2004, 10, 5354-5360.	3.3	50
76	Diastereospecific synthesis of phosphinidene-capped cyclodextrins leading to "inverted" ligands. <i>Chemical Communications</i> , 2004, , 634-635.	4.1	44
77	Selective Tetrafunctionalisation of $\beta$ -Cyclodextrin using the Supertrityl Protecting Group $\beta$ Synthesis of the First C <sub>2</sub> -Symmetric Tetraphosphane Based on a Cavitand ( $\beta$ -TEPHOS). <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1377-1381.	2.4	43
78	Cyclodextrin Phosphanes as First and Second Coordination Sphere Cavitands. <i>Chemistry - A European Journal</i> , 2003, 9, 3091-3105.	3.3	52
79	Capped Cyclodextrins. <i>Chemical Reviews</i> , 2003, 103, 4147-4174.	47.7	239
80	Title is missing!. <i>Angewandte Chemie</i> , 2002, 114, 2705-2708.	2.0	18
81	A Cyclodextrin Diphosphane as a First and Second Coordination Sphere Cavitand: Evidence for Weak C <sub>2</sub> H <sub>2</sub> ... $\pi$ ... $\pi$ ...C <sub>2</sub> H <sub>2</sub> M Hydrogen Bonds within Metal-Capped Cavities. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2593-2596.	3.8	43
82	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
83	Diphosphines based on an inherently chiral calix[4]arene scaffold: synthesis and use in enantioselective catalysis. <i>Dalton Transactions RSC</i> , 2001, , 2508-2517.	2.3	106
84	Cyclodextrin Cavities as Probes for Ligand-Exchange Processes. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2526-2529.	13.8	59
85	Co-ordination chemistry of macrocyclic compounds with dangling phosphines. Unusual NMR shifts in metallo-calix[4]arenes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 4139-4148.	1.1	33
86	Hexahomotrioxacalix[3]arene: a scaffold for a C <sub>3</sub> -symmetric phosphine ligand that traps a hydrido-rhodium fragment inside a molecular funnel. <i>Chemical Communications</i> , 1999, , 1911-1912.	4.1	32
87	Calix[4]arene Ligands with Phosphorus-Containing Groups Tethered at the Upper Rim. <i>Inorganic Chemistry</i> , 1999, 38, 1585-1591.	4.0	49
88	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
89	Capping calixarenes with metallodiphosphine fragments: towards intracavity reactions. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 2391-2402.	1.1	37
90	Calixarene and resorcinarene ligands in transition metal chemistry. <i>Coordination Chemistry Reviews</i> , 1997, 165, 93-161.	18.8	303

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91	Synthesis and Molecular Structure of a Nickel(II) Complex Containing a Pyrazolone-Derived Phosphine Ligand: $[\text{Ni}(\eta^5\text{-C}_5\text{Ph}_5)\{\text{Ph}_2\text{PC}(\text{O})\text{N}(\text{Ph})\text{N}(\text{C}(\text{Me}))\}]$ . <i>Inorganic Chemistry</i> , 1995, 34, 1288-1291.	4.0	32
92	Multifunctional phosphane and phosphane oxide ligands derived from p-tert-butylcalix[4]arene. Synthesis of a large diphosphane with C <sub>2</sub> symmetry and behaving as a cis or trans binding ligand. <i>Journal of Organometallic Chemistry</i> , 1994, 475, 297-305.	1.8	53
93	Complexes of functional phosphines. 5. Rhodium(III) and ruthenium(II) complexes of ethyl (diphenylphosphino)acetate. Synthesis, dynamic behavior, and crystal structure. Reversible carbon monoxide coordination on a ruthenium(II) complex. <i>Inorganic Chemistry</i> , 1983, 22, 2043-2047.	4.0	66
94	Complexes of functional phosphines. 4. Coordination properties of (diphenylphosphino)acetonitrile, ethyl (diphenylphosphino)acetate and corresponding carbanions. Characterization of a new facile reversible carbon dioxide insertion into palladium(II) complexes. <i>Journal of the American Chemical Society</i> , 1981, 103, 5115-5125.	13.7	138