

# HÃ©lÃ¨ne Cattey

## List of Publications by Year in descending order

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91  
papers

1,379  
citations

361413

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434195

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorusâ€Directed Rhodiumâ€Catalyzed CâˆH Arylation of 1â€Pyrenylphosphines Selective at the <i>K</i>â€Region. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 440-452.	4.3	11
2	Tetranuclear Dicationic Auophilic Gold(I) Catalysts in Enyne Cycloisomerization: Cooperativity for a Dramatic Shift in Selectivity. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	5
3	Template Synthesis of NPNâ€Pincer-type Ligands at Titanium Using an Ambiphilic Phosphide Scaffold. <i>Inorganic Chemistry</i> , 2022, 61, 7642-7653.	4.0	2
4	Stepwise Oxidative Câ€C Coupling and/or Câ€N Fusion of Zn(II) <i>meso</i>-Pyridin-2-ylthio-porphyrins. <i>Inorganic Chemistry</i> , 2022, , .	4.0	1
5	Crystallographic and (spectro)electrochemical characterizations of cobalt(II) 10-phenyl-5,15-di-p-tolylporphyrin. <i>Journal of Molecular Structure</i> , 2021, 1226, 129321.	3.6	0
6	Reappraising Schmidpeter's bis(iminophosphoranyl)phosphides: coordination to transition metals and bonding analysis. <i>Chemical Science</i> , 2021, 12, 253-269.	7.4	7
7	Coordination Chemistry of a Bis(Tetrazine) Tweezer: A Case of Host-Guest Behavior with Silver Salts. <i>Molecules</i> , 2021, 26, 2705.	3.8	0
8	Organotin(IV) selenate derivatives â€ Crystal structure of [(Ph <sub>3</sub> Sn) <sub>2</sub> SeO <sub>4</sub> ] â€... CH <sub>3</sub> OH] n. <i>Main Group Metal Chemistry</i> , 2021, 44, 213-217.	1.6	0
9	Unsymmetrically Substituted Bis(phosphino)Ferrocenes Triggering Through-Space <sup>31</sup>(P,) Tj ETQq1 1 0.784314 rgBT /Ov&ld 3571-3584.	2.3	6
10	Coordinatively Unsaturated Amidotitanocene Cations with Inverted ĩf and ĩe Bond Strengths: Controlled Release of Aminyl Radicals and Hydrogenation/Dehydrogenation Catalysis. <i>Chemistry - A European Journal</i> , 2021, 27, 18175-18187.	3.3	6
11	Bridgeâ€Clamp Bis(tetrazine)s with [N] 8 ĩâ€Stacking Interactions and Azidoâ€s â€Aryl Tetrazines: Two Classes of Doubly Clickable Tetrazines. <i>Angewandte Chemie</i> , 2020, 132, 1165-1170.	2.0	4
12	Bridgeâ€Clamp Bis(tetrazine)s with [N] 8 ĩâ€Stacking Interactions and Azidoâ€s â€Aryl Tetrazines: Two Classes of Doubly Clickable Tetrazines. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1149-1154.	13.8	17
13	Regioselective Câ€H amination of free base porphyrins <i>via</i> electrogenerated pyridinium-porphyrins and stabilization of easily oxidized amino-porphyrins by protonation. <i>Chemical Communications</i> , 2020, 56, 884-887.	4.1	4
14	Highly Functionalized Ferrocenes. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 419-445.	2.0	12
15	Gold(I) Complexes Nuclearity in Constrained Ferrocenyl Diphosphines: Dramatic Effect in Goldâ€Catalyzed Enyne Cycloisomerization. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2879-2885.	3.3	11
16	Synthesis and structural characterisation of bulky heptaaromatic (hetero)aryl <i>o</i>-substituted <i>s</i>-aryltetrazines. <i>New Journal of Chemistry</i> , 2020, 44, 15235-15243.	2.8	5
17	Synthesis and Characterization of Novel Quinolyl Porphyrins as Receptors. Study of their Association with Halophenols and 4â€Nitrophenol as a Reference. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 551-560.	2.0	3
18	s-Block metal scorpionates â€ A new sodium hydrido-tris(3,5-dimethyl-1-pyrazolyl)borate salt showing an unusual core stabilized by bridging and terminal O-bonded DMSO ligands. <i>Main Group Metal Chemistry</i> , 2020, 43, 102-110.	1.6	1

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19	A sterically congested 1,2-diphosphino-1- $\eta^2$ -boryl-ferrocene: synthesis, characterization and coordination to platinum. Dalton Transactions, 2019, 48, 11191-11195.	3.3	5
20	Phenoxyamidine Zn and Al Complexes: Synthesis, Characterization, and Use in the Ring-Opening Polymerization of Lactide. Organometallics, 2019, 38, 4147-4157.	2.3	16
21	Highly Functionalized BrÃnsted Acidic/Lewis Basic Hybrid Ferrocene Ligands: Synthesis and Coordination Chemistry. European Journal of Inorganic Chemistry, 2019, 2019, 865-874.	2.0	8
22	Ethylammonium hydrogen oxalate-oxalic acid (2/1). IUCrData, 2019, 4, .	0.3	0
23	Oxidative C-N fusion of pyridinyl-substituted porphyrins. Chemical Communications, 2018, 54, 5414-5417.	4.1	20
24	Triorganotin(IV) cation-promoted dimethyl carbonate synthesis from CO <sub>2</sub> and methanol: solution and solid-state characterization of an unexpected diorganotin(IV)-oxo cluster. New Journal of Chemistry, 2018, 42, 8253-8260.	2.8	10
25	Palladium-catalyzed heteroaryl thioethers synthesis overcoming palladium dithiolate resting states inertness: Practical road to sulfones and NH-sulfoximines. Catalysis Communications, 2018, 111, 52-58.	3.3	17
26	Input of P, N-(phosphanyl, amino)-ferrocene hybrid derivatives in late transition metals catalysis. Coordination Chemistry Reviews, 2018, 355, 74-100.	18.8	35
27	Synthesis, spectroscopic study, and crystal structure of a new organotin(IV) selenate derivative. Main Group Metal Chemistry, 2018, 41, 183-188.	1.6	1
28	Electrosynthesis and X-ray Crystallographic Structure of Zn <sup>II</sup> - <i>meso</i> -Triaryltriphenylphosphonium Porphyrin and Structural Comparison with Mg <sup>II</sup> - <i>meso</i> -Triphenylphosphonium Porphine. European Journal of Inorganic Chemistry, 2018, 2018, 4834-4841.	2.0	7
29	Gold-Catalyzed Suzuki Coupling of <i>ortho</i> -Substituted Hindered Aryl Substrates. Chemistry - an Asian Journal, 2017, 12, 459-464.	3.3	26
30	Planar-Chiral 1,1-Diboryl Metallocenes: Diastereoselective Synthesis from Boryl Cyclopentadienides and Spin Density Analysis of a Diborylcobaltocene. Inorganic Chemistry, 2017, 56, 1966-1973.	4.0	12
31	Direct Writing on Copper Ion Doped Silica Films by Electrogeneration of Metallic Microstructures. Journal of Physical Chemistry C, 2017, 121, 1129-1139.	3.1	2
32	A general diastereoselective synthesis of highly functionalized ferrocenyl ambiphiles enabled on a large scale by electrochemical purification. Chemical Communications, 2017, 53, 6017-6020.	4.1	12
33	(2-Pyridyl)sulfonyl Groups for <i>ortho</i> -Directing Palladium-Catalyzed Carbon-Halogen Bond Formation at Functionalized Arenes. Advanced Synthesis and Catalysis, 2017, 359, 3792-3804.	4.3	14
34	Building Diversity in <i>ortho</i> -Substituted <i>s</i> -Aryltetrazines By Tuning N-Directed Palladium C-H Halogenation: Unsymmetrical Polyhalogenated and Biphenyl <i>s</i> -Aryltetrazines. ACS Catalysis, 2017, 7, 8493-8501.	11.2	37
35	Bio-based 1,3-diisobutyl imidazolium hydrogen oxalate [iBu <sub>2</sub> IM](HC <sub>2</sub> O <sub>4</sub> ) as CO <sub>2</sub> shuttle. Green Chemistry, 2017, 19, 4912-4918.	9.0	1
36	Experimental and theoretical studies on electropolymerization of polar amino acids on platinum electrode. Materials Chemistry and Physics, 2017, 185, 183-194.	4.0	16

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37	Diastereoselective Synthesis of Dialkylated Bis(phosphino)ferrocenes: Their Use in Promoting Silver-Mediated Nucleophilic Fluorination of Chloroquinolines. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 330-339.	2.0	18
38	Crystal structure of the diglycidyl ether of eugenol. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 694-697.	0.5	4
39	Defying Stereotypes with Nanodiamonds: Stable Primary Diamondoid Phosphines. <i>Journal of Organic Chemistry</i> , 2016, 81, 8759-8769.	3.2	18
40	Crystal structure of 2-methyl-1H-imidazol-3-ium hydrogen oxalate dihydrate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1113-1115.	0.5	5
41	Functionalized Tri- and Tetraphosphine Ligands as a General Approach for Controlled Implantation of Phosphorus Donors with a High Local Density in Immobilized Molecular Catalysts. <i>ChemPlusChem</i> , 2015, 80, 119-129.	2.8	8
42	Towards sustainable synthesis of pyren-1-yl azoliums via electrochemical oxidative C-N coupling. <i>Green Chemistry</i> , 2015, 17, 4669-4679.	9.0	22
43	Converging and Diverging Synthetic Strategies to Tetradentate (<math>(N,N)</math>-Diaminomethyl, (<math>P,P</math>-Ferrocenyl Ligands: Influence of <math>tert</math>-Butyl Groups on Ferrocene Backbone Conformation. <i>Organometallics</i> , 2015, 34, 5015-5028.	2.3	14
44	Crystal structure of dimethylammonium hydrogen oxalate hemi(oxalic acid). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, 473-475.	0.5	4
45	Electrosynthesis of Poly(alanine)-Like Peptides in Concentrated Alanine Based Electrolytes, Characterization Coupled to DFT Study and Application to pH Proton Receptor. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25041-25050.	3.1	6
46	Tribenzylammonium chloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o618-o619.	0.2	1
47	Modular functionalized polyphosphines for supported materials: previously unobserved $^{31}P$ -NMR through-space ABCD spin systems and heterogeneous palladium-catalysed C and H arylation. <i>Chemical Communications</i> , 2014, 50, 9505-9508.	4.1	26
48	Aromatic Nucleophilic Substitution ( $S_NAr$ ) of <math>meso</math>-Nitroporphyrin with Azide and Amines as an Alternative Metal Catalyst Free Synthetic Approach To Obtain <math>meso</math>-Substituted Porphyrins. <i>Journal of Organic Chemistry</i> , 2014, 79, 6424-6434.	3.2	50
49	Palladium-catalyzed formation of secondary and tertiary amines from aryl dihalides with air-stable ferrocenyl tri- and diphosphines: Synthesis and X-ray structure of efficient catalysts beyond [PdCl <sub>2</sub> (DPPF)]. <i>Catalysis Communications</i> , 2014, 51, 10-14.	3.3	9
50	Selective Preparation of Diamondoid Phosphonates. <i>Journal of Organic Chemistry</i> , 2014, 79, 5369-5373.	3.2	11
51	Electrosynthesis of Imidazolium Carboxylates. <i>Organic Letters</i> , 2013, 15, 4410-4413.	4.6	34
52	New acridinium trifluoromethanesulfonate stacks induced in the presence of organotin(IV) complexes. <i>Comptes Rendus Chimie</i> , 2013, 16, 613-620.	0.5	4
53	Kinetic and Electrochemical Studies of the Oxidative Addition of Demanding Organic Halides to Pd(0): the Efficiency of Polyphosphane Ligands in Low Palladium Loading Cross-Couplings Decrypted. <i>Inorganic Chemistry</i> , 2013, 52, 11923-11933.	4.0	16
54	Ferrocenyl (P,N)-diphosphines incorporating pyrrolyl, imidazolyl or benzazaphospholyl moieties: Synthesis, coordination to group 10 metals and performances in palladium-catalyzed arylation reactions. <i>Journal of Organometallic Chemistry</i> , 2013, 735, 38-46.	1.8	17

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55	P-Chirogenic Phosphines Supported by Calix[4]arene: New Insight into Palladium-Catalyzed Asymmetric Allylic Substitution. <i>Organometallics</i> , 2013, 32, 2827-2839.	2.3	20
56	Crystallographic, spectroscopic and electrochemical characterization of pyridine adducts of magnesium(II) and zinc(II) porphine complexes. <i>Comptes Rendus Chimie</i> , 2013, 16, 540-549.	0.5	17
57	Aminomethyl-Substituted Ferrocenes and Derivatives: Straightforward Synthetic Routes, Structural Characterization, and Electrochemical Analysis. <i>Organometallics</i> , 2013, 32, 5784-5797.	2.3	17
58	Bis(cyclohexylammonium) tetrachlorido(oxalato)stannate(IV). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m473-m474.	0.2	2
59	Tris(cyclohexylammonium)cis-dichloridobis(oxalato- $\eta^2$ O1,O2)stannate(IV) chloride monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m581-m582.	0.2	3
60	First donor stabilized-phosphenium copper(I) complexes. <i>Inorganic Chemistry Communication</i> , 2012, 25, 39-42.	3.9	19
61	First Annelated Azaphosphole-Ferrocenes: Synthetic Pathways and Structures. <i>Organometallics</i> , 2012, 31, 5986-5989.	2.3	18
62	Control over the oxidative reactivity of metalloporphyrins. Efficient electrosynthesis of meso,meso-linked zinc porphyrin dimer. <i>Dalton Transactions</i> , 2012, 41, 929-936.	3.3	27
63	Hexaphosphine: A Multifaceted Ligand for Transition Metal Coordination. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1347-1352.	2.0	9
64	Organotin(IV) trifluoromethanesulfonates chemistry: Isolation and characterization of a new di-n-butyl derivative presenting a Sn3O3 core. <i>Inorganica Chimica Acta</i> , 2012, 380, 50-56.	2.4	6
65	Syntheses of polyfunctionalized resveratrol derivatives using Wittig and Heck protocols. <i>Tetrahedron</i> , 2012, 68, 3899-3907.	1.9	32
66	Electrochemical meso-functionalization of magnesium( $\mu$ -porphine). <i>Chemical Communications</i> , 2011, 47, 1893-1895.	4.1	28
67	Congested Ferrocenyl Polyphosphanes Bearing Electron-Donating or Electron-Withdrawing Phosphanyl Groups: Assessment of Metallocene Conformation from NMR Spin Couplings and Use in Palladium-Catalyzed Chloroarenes Activation. <i>Inorganic Chemistry</i> , 2011, 50, 11592-11603.	4.0	32
68	Direct Arylation of Heteroaromatic Compounds with Congested, Functionalised Aryl Bromides at Low Palladium/Triphosphane Catalyst Loading. <i>Chemistry - A European Journal</i> , 2011, 17, 6453-6461.	3.3	54
69	Electrosynthesis as a Powerful Method for the Generation of Catalytic Intermediates: Efficient Isolation of a Palladium Aryl Halide Oxidative Addition Product. <i>Chemistry - A European Journal</i> , 2011, 17, 9901-9906.	3.3	8
70	Di-n-butyltin oxide as a chemical carbon dioxide capturer. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1618-1626.	1.8	32
71	Copper(I) Iodide Polyphosphine Adducts at Low Loading for Sonogashira Alkynylation of Demanding Halide Substrates: Ligand Exchange Study between Copper and Palladium. <i>Organometallics</i> , 2010, 29, 2815-2822.	2.3	47
72	A novel two-dimensional organostannoxane coordination network promoted by phenazine: Synthesis, characterization and X-ray structure of. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2386-2394.	1.8	14

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73	Synthesis of New Cationic Donor-Stabilized Phosphenium Adducts and Their Unexpected P-Substituent Exchange Reactions. <i>Inorganic Chemistry</i> , 2009, 48, 1236-1242.	4.0	68
74	Conformational Control of Metallocene Backbone by Cyclopentadienyl Ring Substitution: A New Concept in Polyphosphane Ligands Evidenced by $\rho$ -Through-Space $\rho$ -Nuclear Spin-Spin Coupling. Application in Heteroaromatics Arylation by Direct C-H Activation. <i>Organometallics</i> , 2009, 28, 3152-3160.	2.3	58
75	$\rho$ -Through-space $\rho$ - $^{31}\text{P}$ spin-spin couplings in ferrocenyl tetraphosphine coordination complexes: Improvement in the determination of the distance dependence of JPP constants. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 574-578.	1.8	27
76	First Copper(I) Ferrocenyltetraphosphine Complexes: Possible Involvement in Sonogashira Cross-Coupling Reaction?. <i>Organometallics</i> , 2008, 27, 1506-1513.	2.3	44
77	Electron-Sponge Behavior and Electronic Structures in Cobalt-Centered Pentagonal Prismatic $\text{Co}_{11}\text{Te}_7(\text{CO})_{10}$ and $\text{Co}_{11}\text{Te}_5(\text{CO})_{15}$ Cluster Anions. <i>Inorganic Chemistry</i> , 2007, 46, 501-509.	4.0	21
78	catena-Poly[[di-n-butyltin(IV)]- $\mu_4$ -trifluoromethanesulfonato-[[di-n-butyl(trifluoromethanesulfonato)tin(IV)]-di- $\mu_4$ -hydroxo]] <sub>n</sub> . <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, m2820-m2822.	0.2	1
79	Palladium-Catalysed Heck Alkynylation of Aryl Bromides in an Imidazolium Ionic Liquid: An Unexpected Subsequent Alkyne Hydrogenation Reaction. <i>Synlett</i> , 2006, 2006, 3005-3008.	1.8	19
80	New reactivity of . Synthesis, electrosynthesis and reactivity of new carboxylato niobocene complexes. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 3134-3141.	1.8	11
81	Evidence of intramolecular electron transfer between two metallic atoms in a bimetallic complex by electrochemical methods. <i>New Journal of Chemistry</i> , 2005, 29, 1302.	2.8	2
82	Electron-transfer-catalyzed ligand substitution of carboxylato niobocene complex induced by electrochemical oxidation. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 3473-3480.	1.8	2
83	Preparative and Electrochemical Investigations on the Electron Sponge Behavior of Cobalt Telluride Clusters: CO Substitution in $[\text{Co}_{11}\text{Te}_7(\text{CO})_{10}]_n^{+}$ Ions (n=1, 2) by $\text{PMe}_2\text{Ph}$ and Crystal Structure of $[\text{Co}_{11}\text{Te}_7(\text{CO})_5(\text{PMe}_2\text{Ph})_5]$ . <i>Chemistry - A European Journal</i> , 2003, 9, 3796-3802.	3.3	21
84	Bis( $\eta$ -tert-butylcyclopentadienyl)hydridoniobium Ditetelluride, a Convenient Reagent for the Synthesis of Polynuclear Metal Telluride Complexes. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 1315-1325.	2.0	13
85	Synthesis, reactivity and structures of ruthenium carbonyl clusters with telluride and hydride ligands. <i>Journal of Organometallic Chemistry</i> , 2002, 659, 22-28.	1.8	12
86	Electrochemically Induced C-Br and C-I Bond Activation by the $\text{Pd}_3(\text{dppm})_3\text{CO}_2^+$ Cluster, and Characterization of the Reactive $\text{Pd}_3(\text{dppm})_3\text{CO}^+$ Intermediate: $\rho$ The First Confidently Identified Paramagnetic Pd Cluster. <i>Journal of the American Chemical Society</i> , 2001, 123, 4340-4341.	13.7	26
87	Investigation of the Redox Properties of a $\text{Cp}^*\text{Co}$ (dithiolene) Complex. Evidence of the Formation of a Dimeric Dicationic Species: $[\text{Cp}^*\text{Co}(\text{ddd})]_2^{2+}$ . <i>Organometallics</i> , 2001, 20, 2421-2424.	2.3	21
88	Multi-layered type hybrid glass/polypyrrole composite. <i>Synthetic Metals</i> , 1998, 93, 127-131.	3.9	2
89	Electrochemical Investigations on Liquid-State Polymerizing Systems: A Case of Sol-Gel Polymerization of Transition Metal Alkoxides. <i>Journal of Physical Chemistry B</i> , 1998, 102, 1193-1202.	2.6	20
90	Electrochemical investigations on the sol-gel polymerization of transition-metal alkoxides. <i>Journal of Materials Chemistry</i> , 1997, 7, 1461-1466.	6.7	12

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91	Amphiphilic cholesteric liquid crystals prepared from the quaternary ammonium surfactant <i>S</i> -1-hexadecyl-1-methyl-2-pyrrolidinemethanol bromide. <i>Liquid Crystals</i> , 1992, 12, 875-878.	2.2	13