

Martin Lamac

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59
papers

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h-index

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ext. papers

815
ext. citations

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L-index

#	Paper	IF	Citations
59	Palladium catalysts supported on mesoporous molecular sieves bearing nitrogen donor groups: preparation and use in Heck and Suzuki C-C bond-forming reactions. <i>ChemSusChem</i> , 2009 , 2, 442-51	8.3	38
58	Preparation of Chiral Phosphinofluorene Carboxamide Ligands and Their Application to Palladium-Catalyzed Asymmetric Allylic Alkylation. <i>Organometallics</i> , 2007 , 26, 5042-5049	3.8	35
57	Planar chiral alkenylferrocene phosphanes: Preparation, structural characterisation and catalytic use in asymmetric allylic alkylation. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 446-456	2.3	33
56	trans-Spanning ferrocene amidodiphosphine ligand: Synthesis, palladium complexes and catalytic use in Suzuki-Miyaura cross-coupling. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 2987-2993	2.3	31
55	Group-12 metal complexes with isomeric 1-(diphenylphosphino)-1-[N-(pyridylmethyl)carbamoyl]ferrocenes: coordination polymers vs. finite multinuclear coordination assemblies. <i>Dalton Transactions</i> , 2008 , 2454-64	4.3	31
54	Preparation, structure and catalytic activity of palladium(II) complexes with a carboxyferrocenylphosphine and an ortho-metallated C,N-ligand. <i>Polyhedron</i> , 2004 , 23, 921-928	2.7	30
53	Synthesis, Coordination and Catalytic Utility of Novel Phosphanylferrocenecarboxylic Ligands Combining Planar and Central Chirality. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 2274-2287	2.3	29
52	Phosphinofluorenyl-terminated amidoamines: Synthesis and catalytic utilization in palladium-mediated C-C bond forming reactions. <i>Journal of Molecular Catalysis A</i> , 2008 , 285, 41-47		29
51	The effect of substrate size in the Beckmann rearrangement: MOFs vs. zeolites. <i>Catalysis Today</i> , 2013 , 204, 94-100	5.3	28
50	Palladium(II) Complexes with Phosphanylferrocenecarboxylate Ligands and Their Use as Catalyst Precursors for Semialternating CO ₂ /ethylene Copolymerization. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 441-452	2.3	28
49	Heterobi- to heterotetrametallic transition metal complexes constructed from ferrocenecarboxylate and $[[Ti](\eta^5-C_5SiMe_3)_2]M^+$ units. <i>Journal of Organometallic Chemistry</i> , 2007 , 692, 4303-4314	2.3	26
48	Preparation, coordination and catalytic use of planar-chiral monocarboxylated dppf analogues. <i>New Journal of Chemistry</i> , 2009 , 33, 1549	3.6	25
47	Formation of a 1-zircona-2,5-disilacyclopent-3-yne: coordination of 1,4-disilabutatriene to zirconocene?. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2937-40	16.4	25
46	Si-H bond activation of alkynylsilanes by group 4 metallocene complexes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 4369-80	16.4	24
45	Transformations of functional groups attached to cyclopentadienyl or related ligands in group 4 metal complexes. <i>Coordination Chemistry Reviews</i> , 2015 , 296, 45-90	23.2	22
44	Reactivity of a Titanocene Pendant SiH ₃ Group toward Alcohols. Unexpected Formation of Siloxanes from the Reaction of Hydrosilanes and Ph ₃ COH Catalyzed by B(C ₆ F ₅) ₃ . <i>Organometallics</i> , 2013 , 32, 4122-4129	3.8	20
43	RuCl ₂ (p-cymene)(PCy ₃) immobilized on mesoporous molecular sieves as catalyst for ROMP of norbornene and its derivatives. <i>Journal of Molecular Catalysis A</i> , 2010 , 332, 19-24		20

42	Synthesis and structural characterization of rac-2-[(diphenylphosphino)methyl]ferrocenecarboxylic acid, its selected derivatives and some rhodium complexes. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 4285-4301	2.3	20
41	Preparation of phosphinoferrrocene carboxamides from isocyanates. Synthesis and structural characterisation of palladium(II) and platinum(II) complexes with 1?-(diphenylphosphino)-1-(N-phenylcarbamoyl)ferrocene. <i>Journal of Organometallic Chemistry</i> , 2010 , 695, 2423-2431	2.3	19
40	Homogeneous and heterogeneous cyclopentadienyl-arene titanium catalysts for selective ethylene trimerization to 1-hexene. <i>Journal of Organometallic Chemistry</i> , 2015 , 777, 57-66	2.3	16
39	Titanocene Dihalides and Ferrocenes Bearing a Pendant β -Xylofuranos-5-yl or β -Ribofuranos-5-yl Moiety. Synthesis, Characterization, and Cytotoxic Activity. <i>Organometallics</i> , 2014 , 33, 2059-2070	3.8	14
38	Synthetic transformations of a pendant nitrile moiety in group 4 metallocene complexes. <i>Dalton Transactions</i> , 2013 , 42, 7101-10	4.3	14
37	Electrochemical analysis of a novel ferrocene derivative as a potential antitumor drug. <i>Analyst, The</i> , 2015 , 140, 5864-7	5	12
36	Hydrosilane-B(C ₆ F ₅) ₃ adducts as activators in zirconocene catalyzed ethylene polymerization. <i>Dalton Transactions</i> , 2016 , 45, 10146-50	4.3	12
35	Group 4 metallocene complexes with pendant nitrile groups. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 2364-2372	2.3	12
34	Synthesis and Catalytic Activity of [Cp [?] Co(COD)] Complexes Bearing Pendant N-Containing Groups. <i>Organometallics</i> , 2013 , 32, 3415-3418	3.8	11
33	Improving cytotoxic properties of ferrocenes by incorporation of saturated N-heterocycles. <i>Journal of Organometallic Chemistry</i> , 2017 , 846, 141-151	2.3	10
32	Group 4 Metal Complexes of Chelating Cyclopentadienyl-ketimide Ligands. <i>Organometallics</i> , 2016 , 35, 785-798	3.8	10
31	The reaction of (Sp)-2-(diphenylphosphino)ferrocenecarboxylic acid with carbodiimide reagents: Characterisation of the acid anhydride and urea products. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 3430-3434	2.3	9
30	Ring-opening metathesis polymerization of vinylnorbornene and following polymer modifications. <i>Journal of Polymer Research</i> , 2014 , 21, 1	2.7	8
29	Intramolecular activation of pendant alkenyl group as a tool for modification of the zirconocene framework. <i>Inorganica Chimica Acta</i> , 2011 , 373, 291-294	2.7	8
28	1-Zircona-2,5-disilacyclopent-3-in: ein Zirconocen-koordiniertes 1,4-Disilabutatrien?. <i>Angewandte Chemie</i> , 2010 , 122, 2999-3002	3.6	8
27	Effects of the Linking of Cyclopentadienyl and Ketimide Ligands in Titanium Half-Sandwich Olefin Polymerization Catalysts. <i>ChemCatChem</i> , 2017 , 9, 3160-3172	5.2	7
26	Stereoselective Methylation of 1-(Diphenylphosphanyl)-2-[(methoxycarbonyl)methyl]ferrocene. The Crystal Structures of the Methylated Ester and Its Palladium(II) Complex with an Auxiliary 2-[(Dimethylamino)methyl]phenyl Ligand.. <i>Collection of Czechoslovak Chemical Communications</i> , 2007 , 72, 985-995		7
25	Synthesis and Catalytic Use of Planar Chiral and Polydentate Ferrocene Donors237-277		6

24	The variability of hydrogen-bonded supramolecular assemblies in crystalline picrates prepared from ferrocenyl-substituted β -aminoalcohols. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 1779-1786	2-3	6
23	Multifunctional catalysts based on palladium nanoparticles supported on functionalized halloysites: Applications in catalytic C-C coupling, selective oxidation and dehalogenation reactions. <i>Applied Clay Science</i> , 2021 , 214, 106272	5-2	6
22	Highly substituted zirconium and hafnium cyclopentadienyl bifunctional β -diketimate complexes: Synthesis, structure, and catalytic activity towards ethylene polymerization. <i>Journal of Organometallic Chemistry</i> , 2015 , 786, 71-80	2-3	5
21	Ytrocene Chloride and Methyl Complexes with Variously Substituted Cyclopentadienyl Ligands: Synthesis, Characterization, and Reactivity toward Ethylene. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 3713-3721	2-3	5
20	Structural differences of half-sandwich complexes of scandium and yttrium containing bulky substituents. <i>Inorganic Chemistry Communication</i> , 2017 , 76, 62-66	3-1	4
19	Intramolecular activation of a pendant nitrile group in Ti and Zr metallocene complexes. <i>Journal of Organometallic Chemistry</i> , 2015 , 787, 56-64	2-3	4
18	Mixed amido-cyclopentadienyl group 4 metal complexes. <i>RSC Advances</i> , 2015 , 5, 59154-59166	3-7	4
17	Synthesis, structure, and sunlight photolysis of benzyl- and tert-butyl-substituted octamethyltitanocene dihydrosulfides. <i>Journal of Organometallic Chemistry</i> , 2014 , 755, 141-150	2-3	4
16	Synthesis, structure, and fluxional behaviour of highly-substituted group 4 cyclopentadienyl arylamine complexes. <i>Journal of Organometallic Chemistry</i> , 2012 , 719, 64-73	2-3	4
15	Harmless glucose-modified ruthenium complexes suppressing cell migration of highly invasive cancer cell lines. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5318	3-1	4
14	Ruthenium tetrazene complexes bearing glucose moieties on their periphery: Synthesis, characterization, and in vitro cytotoxicity. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5896	3-1	4
13	Hydrodehalogenation of organohalides by EtSiH catalysed by group 4 metal complexes and B(CF). <i>Dalton Transactions</i> , 2020 , 49, 2771-2775	4-3	3
12	Supramolecular assemblies in the crystals of carboxylate salts prepared from a ferrocene β -aminoalcohol. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 3831-3841	2-3	3
11	Stereoselective alkylation of [2-(diphenylphosphino)ferrocenyl]acetonitrile. <i>Inorganic Chemistry Communication</i> , 2006 , 9, 319-321	3-1	3
10	Luminescent Cationic Group 4 Metallocene Complexes Stabilized by Pendant N-Donor Groups. <i>Inorganic Chemistry</i> , 2021 , 60, 7315-7328	5-1	3
9	Synergistic Effect of Cu,F-Codoping of Titanium Dioxide for Multifunctional Catalytic and Photocatalytic Studies. <i>Advanced Sustainable Systems</i> , 2000298	5-9	2
8	B(C ₆ F ₅) ₃ catalysis accelerates the hydrosilane chlorination by Ph ₃ CCl. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4442	3-1	1
7	Preparation of planar-chiral multidonor phosphanylferrocene carboxamides and their application as ligands for palladium-catalysed asymmetric allylic alkylation. <i>Applied Organometallic Chemistry</i> , 2010 , 24, n/a-n/a	3-1	1

- 6 Enhanced Intracellular Accumulation and Cytotoxicity of Ferrocene-Ruthenium Arene Conjugates. *ChemPlusChem*, **2020**, 85, 1034-1043 2.8 ○
- 5 Group 4 metallocene derivatives as a new class of singlet oxygen photosensitizers. *Journal of Photochemistry and Photobiology A: Chemistry*, **2022**, 424, 113619 4.7 ○
- 4 Electrochemical Study of Highly Substituted Titanocene Dihalides. *Electroanalysis*, **2019**, 31, 2067-2073 3
- 3 Crystal structure of chlorido{[3-(β -cyclopenta-dienyl)-2,2,3-trimethyl-1-phenylbutylidene]azanido- κ^2 }[κ^2 (N,O)-N,N-dimethylhydroxylaminato]titanium(IV), C₂₀H₂₇ClN₂O₂Ti. *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2017**, 232, 457-459 0.2
- 2 1,2:5,6-Di-O-isopropyl-idene- β -D-3-glucofuranosyl (R(p))-2-(diphenyl-phosphino)ferrocene-1-carboxyl-ate. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, m1252-3
- 1 [1-Dimethyl-silyl-2-phenyl-3-(β -tetra-methyl-cyclo-penta-dien-yl)-prop-1-en-1-yl- κ^1](β -penta-methyl-cyclo-penta-dien-yl)titanium(IV). *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, m1481