

# Martin Lamac

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59  
papers

743  
citations

19  
h-index

24  
g-index

63  
ext. papers

815  
ext. citations

4.1  
avg, IF

3.78  
L-index

#	Paper	IF	Citations
59	Group 4 metallocene derivatives as a new class of singlet oxygen photosensitizers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2022</b> , 424, 113619	4.7	0
58	Luminescent Cationic Group 4 Metallocene Complexes Stabilized by Pendant N-Donor Groups. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 7315-7328	5.1	3
57	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> , <b>2021</b> , 214, 106272	5.2	6
56	Hydrodehalogenation of organohalides by EtSiH catalysed by group 4 metal complexes and B(CF). <i>Dalton Transactions</i> , <b>2020</b> , 49, 2771-2775	4.3	3
55	Enhanced Intracellular Accumulation and Cytotoxicity of Ferrocene-Ruthenium Arene Conjugates. <i>ChemPlusChem</i> , <b>2020</b> , 85, 1034-1043	2.8	0
54	Harmless glucose-modified ruthenium complexes suppressing cell migration of highly invasive cancer cell lines. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5318	3.1	4
53	Ruthenium tetrazene complexes bearing glucose moieties on their periphery: Synthesis, characterization, and in vitro cytotoxicity. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5896	3.1	4
52	Electrochemical Study of Highly Substituted Titanocene Dihalides. <i>Electroanalysis</i> , <b>2019</b> , 31, 2067-2073	3	
51	B(C6F5)3 catalysis accelerates the hydrosilane chlorination by Ph3CCl. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4442	3.1	1
50	Structural differences of half-sandwich complexes of scandium and yttrium containing bulky substituents. <i>Inorganic Chemistry Communication</i> , <b>2017</b> , 76, 62-66	3.1	4
49	Effects of the Linking of Cyclopentadienyl and Ketimide Ligands in Titanium Half-Sandwich Olefin Polymerization Catalysts. <i>ChemCatChem</i> , <b>2017</b> , 9, 3160-3172	5.2	7
48	Improving cytotoxic properties of ferrocenes by incorporation of saturated N-heterocycles. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 846, 141-151	2.3	10
47	Crystal structure of chlorido{[3-( $\beta$ -cyclopenta-dienyl)-2,2,3-trimethyl-1-phenylbutylidene]azanido-N}[(N,O)-N,N-dimethylhydroxylamino]titanium(IV), C20H27ClN2OTi. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 457-459	0.2	
46	Yttrocene Chloride and Methyl Complexes with Variously Substituted Cyclopentadienyl Ligands: Synthesis, Characterization, and Reactivity toward Ethylene. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 3713-3721	2.3	5
45	Hydrosilane-B(C6F5)3 adducts as activators in zirconocene catalyzed ethylene polymerization. <i>Dalton Transactions</i> , <b>2016</b> , 45, 10146-50	4.3	12
44	Group 4 Metal Complexes of Chelating Cyclopentadienyl-ketimide Ligands. <i>Organometallics</i> , <b>2016</b> , 35, 785-798	3.8	10
43	Electrochemical analysis of a novel ferrocene derivative as a potential antitumor drug. <i>Analyst, The</i> , <b>2015</b> , 140, 5864-7	5	12

42	Transformations of functional groups attached to cyclopentadienyl or related ligands in group 4 metal complexes. <i>Coordination Chemistry Reviews</i> , <b>2015</b> , 296, 45-90	23.2	22
41	Highly substituted zirconium and hafnium cyclopentadienyl bifunctional $\eta^5$ -diketiminato complexes: synthesis, structure, and catalytic activity towards ethylene polymerization. <i>Journal of Organometallic Chemistry</i> , <b>2015</b> , 786, 71-80	2.3	5
40	Intramolecular activation of a pendant nitrile group in Ti and Zr metallocene complexes. <i>Journal of Organometallic Chemistry</i> , <b>2015</b> , 787, 56-64	2.3	4
39	Mixed amido-cyclopentadienyl group 4 metal complexes. <i>RSC Advances</i> , <b>2015</b> , 5, 59154-59166	3.7	4
38	Homogeneous and heterogeneous cyclopentadienyl-arene titanium catalysts for selective ethylene trimerization to 1-hexene. <i>Journal of Organometallic Chemistry</i> , <b>2015</b> , 777, 57-66	2.3	16
37	Ring-opening metathesis polymerization of vinylbornene and following polymer modifications. <i>Journal of Polymer Research</i> , <b>2014</b> , 21, 1	2.7	8
36	Synthesis, structure, and sunlight photolysis of benzyl- and tert-butyl-substituted octamethyltitanocene dihydrosulfides. <i>Journal of Organometallic Chemistry</i> , <b>2014</b> , 755, 141-150	2.3	4
35	Titanocene Dihalides and Ferrocenes Bearing a Pendant $\eta^5$ -Xylofuranos-5-yl or $\eta^5$ -Ribofuranos-5-yl Moiety. Synthesis, Characterization, and Cytotoxic Activity. <i>Organometallics</i> , <b>2014</b> , 33, 2059-2070	3.8	14
34	Reactivity of a Titanocene Pendant SiH Group toward Alcohols. Unexpected Formation of Siloxanes from the Reaction of Hydrosilanes and Ph <sub>3</sub> COH Catalyzed by B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> . <i>Organometallics</i> , <b>2013</b> , 32, 4122-4129	3.8	20
33	The effect of substrate size in the Beckmann rearrangement: MOFs vs. zeolites. <i>Catalysis Today</i> , <b>2013</b> , 204, 94-100	5.3	28
32	Synthesis and Catalytic Activity of [Cp*Co(COD)] Complexes Bearing Pendant N-Containing Groups. <i>Organometallics</i> , <b>2013</b> , 32, 3415-3418	3.8	11
31	Synthetic transformations of a pendant nitrile moiety in group 4 metallocene complexes. <i>Dalton Transactions</i> , <b>2013</b> , 42, 7101-10	4.3	14
30	Synthesis, structure, and fluxional behaviour of highly-substituted group 4 cyclopentadienyl arylaminate complexes. <i>Journal of Organometallic Chemistry</i> , <b>2012</b> , 719, 64-73	2.3	4
29	Intramolecular activation of pendant alkenyl group as a tool for modification of the zirconocene framework. <i>Inorganica Chimica Acta</i> , <b>2011</b> , 373, 291-294	2.7	8
28	Group 4 metallocene complexes with pendant nitrile groups. <i>Journal of Organometallic Chemistry</i> , <b>2011</b> , 696, 2364-2372	2.3	12
27	Si-H bond activation of alkynylsilanes by group 4 metallocene complexes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4369-80	16.4	24
26	1-Zircona-2,5-disilacyclopent-3-yn: ein Zirconocen-koordiniertes 1,4-Disilabutatrien?. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 2999-3002	3.6	8
25	Formation of a 1-zircona-2,5-disilacyclopent-3-yne: coordination of 1,4-disilabutatriene to zirconocene?. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 2937-40	16.4	25

24	Preparation of planar-chiral multidonor phosphanylferrocene carboxamides and their application as ligands for palladium-catalysed asymmetric allylic alkylation. <i>Applied Organometallic Chemistry</i> , <b>2010</b> , 24, n/a-n/a	3.1	1
23	Preparation of phosphinoferrocene 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> , <b>2010</b> , 695, 2423-2431	2.3	19
22	RuCl <sub>2</sub> (p-cymene)(PCy <sub>3</sub> ) immobilized on mesoporous molecular sieves as catalyst for ROMP of norbornene and its derivatives. <i>Journal of Molecular Catalysis A</i> , <b>2010</b> , 332, 19-24		20
21	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> , <b>2009</b> , 2, 442-51	8.3	38
20	trans-Spanning ferrocene amidodiphosphine ligand: Synthesis, palladium complexes and catalytic use in Suzuki-Miyaura cross-coupling. <i>Journal of Organometallic Chemistry</i> , <b>2009</b> , 694, 2987-2993	2.3	31
19	Preparation, coordination and catalytic use of planar-chiral monocarboxylated dppf analogues. <i>New Journal of Chemistry</i> , <b>2009</b> , 33, 1549	3.6	25
18	1,2:5,6-Di-O-isopropyl-idene- $\beta$ -D-3-glucofuranosyl (R(p))-2-(diphenyl-phosphino)ferrocene-1-carboxyl-ate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, m1252-3		
17	[1-Dimethyl-silyl-2-phenyl-3-(tetra-methyl-cyclo-penta-dien-yl)-prop-1-en-1-yl- $\eta^5$ -(penta-methyl-cyclo-penta-dien-yl)titanium]dichloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, m1481		
16	Group-12 metal complexes with isomeric 1-(diphenylphosphino)-1-[N-(pyridylmethyl)carbamoyl]ferrocenes: coordination polymers vs. finite multinuclear coordination assemblies. <i>Dalton Transactions</i> , <b>2008</b> , 2454-64	4.3	31
15	Palladium(II) Complexes with Phosphanylferrocenecarboxylate Ligands and Their Use as Catalyst Precursors for Semialternating CO/Ethylene Copolymerization. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, 441-452	2.3	28
14	Planar chiral alkenylferrocene phosphanes: Preparation, structural characterisation and catalytic use in asymmetric allylic alkylation. <i>Journal of Organometallic Chemistry</i> , <b>2008</b> , 693, 446-456	2.3	33
13	The variability of hydrogen-bonded supramolecular assemblies in crystalline picrates prepared from ferrocenyl-substituted aminoalcohols. <i>Journal of Organometallic Chemistry</i> , <b>2008</b> , 693, 1779-1786	2.3	6
12	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> , <b>2008</b> , 693, 3430-3434	2.3	9
11	Supramolecular assemblies in the crystals of carboxylate salts prepared from a ferrocene aminoalcohol. <i>Journal of Organometallic Chemistry</i> , <b>2008</b> , 693, 3831-3841	2.3	3
10	Phosphinoferrocenyl-terminated amidoamines: Synthesis and catalytic utilization in palladium-mediated C-C bond forming reactions. <i>Journal of Molecular Catalysis A</i> , <b>2008</b> , 285, 41-47		29
9	Preparation of Chiral Phosphinoferrocene Carboxamide Ligands and Their Application to Palladium-Catalyzed Asymmetric Allylic Alkylation. <i>Organometallics</i> , <b>2007</b> , 26, 5042-5049	3.8	35
8	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> , <b>2007</b> , 72, 985-995		7
7	Synthesis, Coordination and Catalytic Utility of Novel Phosphanylferrocenecarboxylic Ligands Combining Planar and Central Chirality. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 2274-2287	2.3	29

6	Heterobi- to heterotetrametallic transition metal complexes constructed from ferrocenecarboxylate and $[[\text{Ti}](\text{C}(\text{SiMe}_3)_2)_2\text{M}]^+$ units. <i>Journal of Organometallic Chemistry</i> , <b>2007</b> , 692, 4303-4314	2.3	26
5	Stereoselective alkylation of [2-(diphenylphosphino)ferrocenyl]acetonitrile. <i>Inorganic Chemistry Communication</i> , <b>2006</b> , 9, 319-321	3.1	3
4	Synthesis and structural characterization of rac-2-[(diphenylphosphino)methyl]ferrocenecarboxylic acid, its selected derivatives and some rhodium complexes. <i>Journal of Organometallic Chemistry</i> , <b>2005</b> , 690, 4285-4301	2.3	20
3	Preparation, structure and catalytic activity of palladium(II) complexes with a carboxyferrocenylphosphine and an ortho-metallated C,N-ligand. <i>Polyhedron</i> , <b>2004</b> , 23, 921-928	2.7	30
2	Synthesis and Catalytic Use of Planar Chiral and Polydentate Ferrocene Donors 237-277		6
1	Synergistic Effect of Cu,F-Codoping of Titanium Dioxide for Multifunctional Catalytic and Photocatalytic Studies. <i>Advanced Sustainable Systems</i> , 2000298	5.9	2