

Isabel Lopez-solera

List of Publications by Year in descending order

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57
papers

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citations

201674

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#	ARTICLE	IF	CITATIONS
1	Toward the Prediction of Activity in the Ethylene Polymerisation of ansa-Bis(indenyl) Zirconocenes: Effect of the Stereochemistry and Hydrogenation of the Indenyl Moiety. <i>ChemPlusChem</i> , 2015, 80, 963-972.	2.8	3
2	Unprecedented Formation of the First Alkaline-Earth-Metal Complex Bearing an Asymmetrical <i>gem</i> -Dithiolato Heteroscorpionato Ligand. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 1922-1928.	2.0	4
3	Mixed amido-/imido-/guanidinato niobium complexes: synthesis and the effect of ligands on insertion reactions. <i>Dalton Transactions</i> , 2014, 43, 17434-17444.	3.3	12
4	Preparation and Structural Studies of Non-Symmetric Guanidinate-Supported Zirconium Complexes. <i>Australian Journal of Chemistry</i> , 2014, 67, 1063.	0.9	10
5	Synthesis, Characterization and Reactivity of New Dinuclear Guanidinate Diimidoniobium Complexes. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2940-2946.	2.0	25
6	Metal cation complexation studies of 4-arylviny-2,6-di(pyridin-2-yl)pyrimidines: Effect on the optical properties. <i>Dyes and Pigments</i> , 2013, 97, 230-237.	3.7	42
7	Unexpected mild C-N bond cleavage mediated by guanidine coordination to a niobium iminocarbamoyl complex. <i>Chemical Communications</i> , 2013, 49, 8701.	4.1	23
8	Asymmetric niobium guanidates as intermediates in the catalytic guanylation of amines. <i>Dalton Transactions</i> , 2013, 42, 8223.	3.3	28
9	Neutral Dimethylzirconocene Complexes as Initiators for the Ring-Opening Polymerization of ϵ -Caprolactone. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1184-1196.	2.0	7
10	Migratory Insertion Reactions in Asymmetrical Guanidinate-Supported Zirconium Complexes. <i>Organometallics</i> , 2012, 31, 8360-8369.	2.3	29
11	Experimental and Theoretical Studies of the Hydrogenation of $\hat{1}\pm, \hat{1}^2$ -Unsaturated Acids by an 18 <i>e</i> -Hydride Carbonylniobocene Complex. <i>Organometallics</i> , 2012, 31, 5177-5184.	2.3	8
12	New zirconium and zirconocene guanidinate complexes. <i>Journal of Organometallic Chemistry</i> , 2012, 711, 35-42.	1.8	21
13	New Alkylimido Niobium Complexes Supported by Guanidinate Ligands: Synthesis, Characterization, and Migratory Insertion Reactions. <i>Organometallics</i> , 2012, 31, 1840-1848.	2.3	34
14	Molecular Structure of a Hydridoniobocene Complex $[\text{Nb}(\hat{1}\text{-}^5\text{-}^5\text{-}\text{H}^4\text{-}\text{SiMe}^3\text{-})_2(\text{H})^3]$ and Its Use as Catalyst for the Ring-Opening Polymerization of Cyclic Esters. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1139-1144.	2.0	14
15	Microwave-assisted synthesis of pyrazolyl bistriazines. <i>Tetrahedron</i> , 2010, 66, 121-127.	1.9	10
16	Simple, Versatile, and Efficient Catalysts for Guanylation of Amines. <i>Organometallics</i> , 2010, 29, 2789-2795.	2.3	86
17	Oxo- and imido-alkoxide vanadium complexes as precatalysts for the guanylation of aromatic amines. <i>Dalton Transactions</i> , 2010, 39, 6419.	3.3	40
18	New achiral and chiral NNE heteroscorpionate ligands. Synthesis of homoleptic lithium complexes as well as halide and alkyl scandium and yttrium complexes. <i>Dalton Transactions</i> , 2010, 39, 930-940.	3.3	36

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19	Hybrid Scorpionate/Cyclopentadienyl Magnesium and Zinc Complexes: Synthesis, Coordination Chemistry, and Ring-Opening Polymerization Studies on Cyclic Esters. <i>Inorganic Chemistry</i> , 2010, 49, 2859-2871.	4.0	80
20	Synthesis, characterization and compared reactivity of asymmetrical ansa-metallocenes. <i>Inorganic Chemistry Communication</i> , 2009, 12, 184-186.	3.9	7
21	On the Search for NNO-Donor Enantiopure Scorpionate Ligands and Their Coordination to Group 4 Metals. <i>Inorganic Chemistry</i> , 2009, 48, 5540-5554.	4.0	42
22	Synthesis, structures and ring-opening polymerization studies of new zinc chloride and amide complexes supported by amidinate heteroscorpionate ligands. <i>Dalton Transactions</i> , 2009, , 8054.	3.3	34
23	Versatile Scorpionates and New Developments in the Denticity Changes of NNCp Hybrid Scorpionate/Cyclopentadienyl Ligands in Sc and Y Compounds: From $\text{Ir}^{\text{III}}\text{-Cp}$ to $\text{Ir}^{\text{III}}\text{-NNI}^{\text{III}}\text{-Cp}$. <i>Inorganic Chemistry</i> , 2008, 47, 4996-5005.	4.0	38
24	Scandium and Yttrium Complexes Supported by NNCp Heteroscorpionate Ligands: Synthesis, Structure, and Polymerization of μ -Caprolactone. <i>Organometallics</i> , 2008, 27, 976-983.	2.3	61
25	Lithium, Titanium, and Zirconium Complexes with Novel Amidinate Scorpionate Ligands. <i>Inorganic Chemistry</i> , 2007, 46, 1760-1770.	4.0	51
26	Synthesis of chiral unbridged zirconocene complexes: Applications in the polymerization of ethylene and propylene. <i>Journal of Molecular Catalysis A</i> , 2007, 268, 264-276.	4.8	23
27	Heterocycle-containing niobocene derivatives from hydride- η^5 -niobocene complexes. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 3328-3339.	1.8	13
28	Design of new heteroscorpionate ligands and their coordinative ability toward Group 4 transition metals; an efficient synthetic route to obtain enantiopure ligands. <i>Dalton Transactions</i> , 2006, , 4359-4370.	3.3	39
29	A Simple and Efficient Synthetic Route to Enantiopure Scorpionate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 707-710.	2.0	27
30	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
31	Novel Indenylzirconium Complexes as Supported Catalysts in the Polymerization of Ethylene. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 2924-2934.	2.0	24
32	First Complexes of Scandium and Yttrium with NNO and NNS Heteroscorpionate Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 5336-5344.	4.0	41
33	Theoretical, dynamic, and structural studies of the phenyl rotation in bispentafluorophenyl palladium complexes with scorpion-type ligands. <i>Canadian Journal of Chemistry</i> , 2005, 83, 2106-2119.	1.1	8
34	Synthesis and characterization of cyclopentadienyl/alkoxo titanium dichlorides: structural analysis of monocyclopentadienyl titanium dichlorides with ligands derived from menthol and borneol. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 3492-3500.	1.8	7
35	Synthesis, Structural Characterisation and Reactivity of New Dinuclear Monocyclopentadienyl Imidoniobium and -tantalum Complexes $\hat{\sim}$ X-ray Crystal Structures of $[\{\text{Nb}(\text{i}-5\text{-C}_5\text{H}_4\text{SiMe}_3)\text{Cl}_2\}_2(\text{i}^1/4\text{-}1,4\text{-NC}_6\text{H}_4\text{N})]$, $[\{\text{Ta}(\text{i}-5\text{-C}_5\text{Me}_5)\text{Cl}_2\}_2(\text{i}^1/4\text{-}1,4\text{-NC}_6\text{H}_4\text{N})]$ and $[\{\text{Ta}(\text{i}-5\text{-C}_5\text{Me}_5)(\text{CH}_2\text{SiMe}_3)_2\}_2(\text{i}^1/4\text{-}1,4\text{-NC}_6\text{H}_4\text{N})]$. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1299-1310.	2.0	15
36	Isocyanide insertion reactivity of dinuclear niobium and tantalum imido complexes: X-ray crystal structure of $[\{\text{Nb}(\text{i}-5\text{-C}_5\text{H}_4\text{SiMe}_3)(\text{CH}_2\text{Ph})_2\}_2(\text{i}^1/4\text{-}1,4\text{-NC}_6\text{H}_4\text{N})]$. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 1304-1314.	1.8	25

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37	Hydrosilylation in the Design and Functionalization of ansa-Metallocene Complexes. <i>Organometallics</i> , 2004, 23, 4062-4069.	2.3	33
38	Synthesis of adducts from mercury(II) with N and S donor ligands as models of adsorbent materials for the retention of heavy metals. <i>Inorganica Chimica Acta</i> , 2003, 355, 347-353.	2.4	9
39	Synthesis and reactivity of alkynyl niobocene complexes. <i>Journal of Organometallic Chemistry</i> , 2003, 670, 123-131.	1.8	8
40	Group 4 metallocene complexes incorporating vinyl or allyl substituted ansa ligands. X-Ray crystal structures of $[Zr\{Me(CH_2\bar{r}\dots CH)Si(\bar{i}\text{-}5\text{-}C_5Me_4)_2\}Cl_2]$, $[Zr\{Me(CH_2\bar{r}\dots CHCH_2)Si(\bar{i}\text{-}5\text{-}C_5H_4)_2\}Cl_2]$ and $[Zr\{Me(CH_2\bar{r}\dots CHCH_2)Si(\bar{i}\text{-}5\text{-}C_5Me_4)(\bar{i}\text{-}5\text{-}C_5H_4)\}Cl_2]$. <i>Journal of Organometallic Chemistry</i> , 2003, 683, 11-22.	1.8	32
41	Novel Chiral and Achiral NCN Pincer Complexes Based on 1,3-Bis(1H-1,2,4-triazol-1-ylmethyl)benzene. <i>Organometallics</i> , 2003, 22, 541-547.	2.3	38
42	Reactivity of Zirconium Complexes Incorporating Asymmetrically Substituted ansa Ligands and Their Use as Catalysts in Olefin Polymerization. X-ray Crystal Structures of $[Me_2Si(\bar{i}\text{-}5\text{-}C_5Me_4)(\bar{i}\text{-}5\text{-}C_5H_3R)]ZrCl_2$ (R = Et, iPr). <i>Organometallics</i> , 2002, 21, 2460-2467.	2.3	31
43	Preparation and Characterization of Platinum(II) and (IV) Complexes of 1,3-Diaminepropane and 1,4-Diaminebutane: A Circumvention of Cisplatin Resistance and DNA Interstrand Cross-Link Formation in CH1cisR Ovarian Tumor Cells. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 1835-1844.	6.4	44
44	Niobium, titanium, zirconium and hafnium complexes incorporating germanium bridged ansa ligands. X-Ray crystal structures of $[Zr\{Me_2Ge(\bar{i}\text{-}5\text{-}C_5Me_4)_2\}Cl_2]$ and $[M\{Me_2Ge(\bar{i}\text{-}5\text{-}C_5Me_4)(\bar{i}\text{-}5\text{-}C_5H_4)\}Cl_2]$ (M=Zr, Hf). <i>Journal of Organometallic Chemistry</i> , 2002, 656, 129-138.	1.8	29
45	Synthesis, Structure, and Reactivity of Niobocene Imido Complexes Containing Alkynyl Ligands. X-ray Crystal Structure of $[Nb(NPh)(\bar{i}\text{-}5\text{-}C_5H_4SiMe_3)_2(C\bar{a}\text{-}CPh)]$. <i>Organometallics</i> , 2001, 20, 3132-3138.	2.3	14
46	The synthesis of alkyl niobocene imido complexes and the X-ray crystal structure of $[Nb(\bar{r}\dots O)Cp_2Me]$ (Cp= $\bar{i}\text{-}5\text{-}C_5H_5$). <i>Journal of Organometallic Chemistry</i> , 2001, 631, 151-156.	1.8	9
47	Combined Effect of Platination and Intercalation upon DNA Binding of Novel Cytotoxic Pt ^{II} Bis(naphthalimide) Complexes. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 5482-5486.	6.4	60
48	Binuclear chloro-bridged palladated and platinated complexes derived from p-isopropylbenzaldehyde thiosemicarbazone with cytotoxicity against cisplatin resistant tumor cell lines. <i>Journal of Inorganic Biochemistry</i> , 1998, 69, 275-281.	3.5	56
49	Novel Tetranuclear Orthometalated Complexes of Pd(II) and Pt(II) Derived from p-Isopropylbenzaldehyde Thiosemicarbazone with Cytotoxic Activity incis-DDP Resistant Tumor Cell Lines. Interaction of These Complexes with DNA. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 1399-1408.	6.4	218
50	The reduction of functionalized pyrazolium salts as a stereoselective route to functionalized pyrazolidines. <i>Tetrahedron</i> , 1996, 52, 9193-9206.	1.9	15
51	Lithium Intermediates during the $\bar{i}\text{-}Li$ -Lithiation and Subsequent $\bar{i}\text{-}Substitution$ of Heterocyclic Amines in the Presence of CO ₂ . <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 921-923.	4.4	34
52	Enantiomerically Pure Palladacycles Derived from $\bar{i}\text{-}2$ -Ketosulfoxides. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1351-1353.	4.4	17
53	Diels-Alder reaction of (S)-2-p-tolylsulfinyl-2-cyclopentenone with Dane's diene: an efficient approach to the enantioselective preparation of perhydro-cyclopenta[a]phenanthrenes. <i>Tetrahedron Letters</i> , 1994, 35, 9461-9464.	1.4	30
54	Reaction of folded acetate-bridged ortho-palladated complexes with CH ₂ Cl ₂ . Crystal structure of $[Pd(C_6H_5\bar{i}\text{-}, CH_2\bar{i}\text{-}N\bar{i}\text{-}C\bar{i}\text{-}, (COC_6H_5)\bar{i}\text{-}, C_6H_4)(\bar{i}\text{-}1/4\text{-}Cl)]_2$. <i>Journal of Organometallic Chemistry</i> , 1994, 478, 19-24. ¹⁹	1.8	19

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55	Reactivity of acetate-bridged cyclopalladated complexes. ¹ H and ¹³ C NMR studies of some monomeric derivatives of N-(4-methoxyphenyl)- β -benzoylbenzylideneamine. Journal of Organometallic Chemistry, 1994, 476, 111-120.	1.8	17
56	Analysis of two cycloplatinated compounds derived from N-(4-methoxyphenyl)- α -benzoylbenzylideneamine. Comparison of the activity of these compounds with other isostructural cyclopalladated compounds. Journal of Medicinal Chemistry, 1993, 36, 3795-3801.	6.4	97
57	Experiencias de Innovaci3n Docente en Ense±anza Superior en Castilla-La Mancha 2019. , 0, , .		0