

Elena Lastra

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Activation of 2-Propyn-1-ol Derivatives by Indenylruthenium(II) and -osmium(II) Complexes: X-ray Crystal Structures of the Allenylidene Complexes $[M(\text{CCCPh}_2)(\eta^5\text{-C}_9\text{H}_7)(\text{PPh}_3)_2][\text{PF}_6]\text{-CH}_2\text{Cl}_2$ (M = Ru, Os) and EHMO Calculations. <i>Organometallics</i> , 1996, 15, 2137-2147.	1.1	172
2	Indenyl complexes of Group 8 metals. <i>Coordination Chemistry Reviews</i> , 1999, 193-195, 147-205.	9.5	141
3	SEOM clinical guidelines in Hereditary Breast and ovarian cancer. <i>Clinical and Translational Oncology</i> , 2015, 17, 956-961.	1.2	82
4	Synthesis and characterization of triangulo copper(I) complexes containing mono- and bicapping systems of asymmetric η^3 -acetylide ligands: molecular structures of $[\text{Cu}_3(\eta^3\text{-C}_3\text{H}_3\text{-C}_6\text{H}_4)(\eta^3\text{-C}_3\text{H}_3\text{-C}_6\text{H}_4)_2(\eta^3\text{-C}_3\text{H}_3\text{-C}_6\text{H}_4)_3][\text{BF}_4]_2$, $[\text{Cu}_3(\eta^3\text{-C}_3\text{H}_3\text{-C}_6\text{H}_4)_2(\eta^3\text{-C}_3\text{H}_3\text{-C}_6\text{H}_4)_3][\text{BF}_4]$, and $[\text{Cu}_3(\eta^3\text{-C}_3\text{H}_3\text{-C}_6\text{H}_4)(\eta^3\text{-C}_3\text{H}_3\text{-C}_6\text{H}_4)_2(\eta^3\text{-C}_3\text{H}_3\text{-C}_6\text{H}_4)_3][\text{BF}_4]$ [dppm = bis(diphenylphosphino)methane]. <i>Organometallics</i> , 1993, 12, 2213-2220.	1.1	73
5	Formation of a Cyclobutylidene Ring: Intramolecular [2 + 2] Cycloaddition of Allyl and Vinylidene CC Bonds under Mild Conditions. <i>Journal of the American Chemical Society</i> , 2003, 125, 2386-2387.	6.6	65
6	17-Electron alkynyl complexes of cyclopentadienyliron(III). <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 2575.	1.1	64
7	Synthesis and Reactivity of Indenyl Ruthenium(II) Complexes Containing the Labile Ligand 1,5-Cyclooctadiene (COD): Catalytic Activity of $[\text{Ru}(\eta^5\text{-C}_9\text{H}_7)\text{Cl}(\text{COD})]$. <i>Organometallics</i> , 2001, 20, 3762-3771.	1.1	61
8	Reactions of novel cationic diphenylallenylidene complexes $[\text{Ru}(\eta^5\text{-C}_9\text{H}_7)\text{L}_2(\eta^5\text{-C}_9\text{H}_7)]^+(\text{L} = \text{PPh}_3; \text{L}_2 = \text{C}_6\text{H}_5\text{C}_6\text{H}_5)$ with anionic nucleophiles. <i>Journal of Organometallic Chemistry</i> , 1994, 474, C27-C29.	0.8	57
9	An Unprecedented Ruthenium Allenylidene Complex Containing an Unsaturated Bicyclic System: Formal Addition of 1-Ethynyl-1-cyclohexanol to an Alkenylvinylidene Intermediate Complex. <i>Organometallics</i> , 1994, 13, 745-747.	1.1	55
10	Novel cationic vinylidene complexes of iron(II) containing $\text{Fe}(\eta^5\text{-C}_5\text{H}_5)\text{L}_2$ as metal auxiliary [L2 = bis(diphenylphosphino)methane (dppm) and bis(dimethylphosphino)methane (dmpm)]. Crystal structure of $[\text{Fe}(\eta^5\text{-C}_5\text{H}_5)(\text{C}_6\text{H}_5)_2(\text{dppm})]^+$. <i>Organometallics</i> , 1992, 11, 1373-1381.	1.1	52
11	Synthesis and characterization of novel η^5 -alkynyl cyclopentadienyl iron(II) complexes $[\text{Fe}(\eta^5\text{-C}_5\text{H}_5)\text{L}_2(\eta^5\text{-C}_5\text{H}_5)]$ [L \rightarrow CO; L2 \rightarrow bis(diphenylphosphino)methane (dppm)]. Crystal structure of $[\text{Fe}(\eta^5\text{-C}_5\text{H}_5)(\text{C}_6\text{H}_5)_2(\text{dppm})]^+$. <i>Journal of Organometallic Chemistry</i> , 1991, 405, 333-345.	0.8	44
12	Asymmetric synthesis of (S)- and (R)-[2-2H ¹]glycine via photolysis of optically active chromium carbene complexes. A comparison of stereoselectivity between chromium ketene complexes, ketenes, and ester enolates. <i>Journal of the American Chemical Society</i> , 1992, 114, 2991-2994.	6.6	44
13	Synthesis and crystal structure of $[\text{Cu}_3(\eta^3\text{-C}_3\text{H}_3\text{-C}_6\text{H}_4)(\eta^3\text{-C}_3\text{H}_3\text{-C}_6\text{H}_4)_2(\eta^3\text{-C}_3\text{H}_3\text{-C}_6\text{H}_4)_3][\text{BF}_4]_2$, a tricopper(I) complex containing a η^3 -acetylide group and three bis(diphenylphosphino)methane (dppm) bridging ligands. <i>Journal of Organometallic Chemistry</i> , 1989, 378, C11-C14.	0.8	42
14	Synthesis and Metal Complexation Reactions of Bis-Dioxocyclams from Photochemical Reaction of Bis-Chromium Alkoxycarbene Complexes with Imidazolines. <i>Journal of the American Chemical Society</i> , 1995, 117, 3368-3379.	6.6	42
15	Intramolecular [2 + 2] Cycloaddition of Allyl CC and Allenylidene C=C ² Bonds: Formation and Deprotonation of Cyclobutylidene Rings. <i>Organometallics</i> , 2005, 24, 1410-1418.	1.1	42
16	An unusual coordination mode of acetylide ligands: synthesis of tetranuclear copper(I) complexes		

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19	Reaction of the Ruthenium(II) Indenyl Complex $[Ru(\eta^5-C_9H_7)\{\eta^3(P,C,C)-PPh_2(CH_2CHCH_2)\}(PPh_3)] [PF_6]$ with Terminal Alkynes. Mechanisms of 1-Alkyne to η^1 -Vinylidene Transformation and Kinetic Detection of Hemilability of the Allylphosphine Ligand. <i>Organometallics</i> , 2004, 23, 5127-5134.	1.1	36
20	Highly Enantioselective Hydrogenation of α -Aryl Imines Derived from Acetophenones by Using $Ru\eta^5$ -Pybox Complexes under Hydrogenation or Transfer Hydrogenation Conditions in Isopropanol. <i>Chemistry - A European Journal</i> , 2015, 21, 549-553.	1.7	36
21	Asymmetric Transfer Hydrogenation of Ketones Catalyzed by Enantiopure Osmium(II) Pybox Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 6193-6198.	1.9	31
22	1,3-Dipolar Cycloadditions of Ruthenium(II) Azido Complexes with Alkynes and Nitriles. <i>Inorganic Chemistry</i> , 2013, 52, 4293-4302.	1.9	30
23	Asymmetric transfer hydrogenation of ketones catalyzed by ruthenium(II) complexes bearing a chiral phosphinoferrocenyloxazoline ligand. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 2535-2540.	0.8	29
24	Synthesis of alkynyl, cyclic carbene and vinylidene osmium(II) complexes: first indenyl half-sandwich osmium(II) complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 2547.	1.1	28
25	Reactions of cationic vinylidene complexes $[Fe\{=C=C(R_1)R_2\}(\eta^5-C_5H_5)(dppm)] + [dppm = \text{bis}(\text{diphenylphosphino})\text{methane}]$ with nucleophiles: stereoselective synthesis and crystal structure of the alkenyl complex (E)- $[Fe\{C(H)=C(Me)Ph\}(\eta^5-C_5H_5)(dppm)]$. <i>Journal of Organometallic Chemistry</i> , 1992, 430, C39-C43.	0.8	27
26	Novel hydridotris(pyrazolyl)borate ruthenium(II) complexes containing the water-soluble phosphane 1,3,5-triaza-7-phosphaadamantane: Synthesis and evaluation of DNA binding properties. <i>Polyhedron</i> , 2008, 27, 1214-1228.	1.0	27
27	Diastereoselective Synthesis of the Indenylruthenium(II) Complexes $[Ru(\eta^5-C_9H_7)\{\eta^3(P,C,C)-Ph_2P(CH_2CRCH_2)\}(PPh_3)] [PF_6]$ (R = H, Me): η^5 Enantiofacial Coordination, Hemilabile Properties, and Diastereoselective Nucleophilic Additions to $\eta^3(P,C,C)$ -Allylphosphine Ligands. <i>Organometallics</i> , 2004, 23, 2956-2966.	1.1	26
28	Lithioalkynyl iron(II) or ruthenium(II) complexes as precursors of novel alkynyl and vinylidene derivatives: heterobimetallic complexes containing a bridging ethynediyl system. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 1901-1906.	1.1	25
29	Facile Modification of 1,3,5-Triaza-7-phosphatricyclo[3.3.1.1 ^{3,7}]decane Phosphanes Coordinated to Ruthenium(II). <i>Inorganic Chemistry</i> , 2009, 48, 2471-2481.	1.9	24
30	Antitumor activity of new hydridotris(pyrazolyl)borate ruthenium(ii) complexes containing the phosphanes PTA and 1-CH ₃ η^5 -PTA. <i>Dalton Transactions</i> , 2010, 39, 10186.	1.6	24
31	Unusual activation of 1-ethynyl-1-cyclohexanol by $[RuCl(\eta^5-C_9H_7)(PPh_3)_2]$: synthesis and reactivity of the allenylidene derivative $[Ru\{\eta^1C\eta^1C\eta^1C(C_6H_{10})\}(\eta^5-C_9H_7)(PPh_3)_2] [PF_6]$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3235-3243.	1.1	21
32	Synthesis of New Half-Sandwich Ruthenium(II) Complexes Bearing Alkenyl- and Alkynylphosphane Ligands. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 78-87.	1.0	21
33	From alkenylphosphane aminoallenylidene ruthenium(II) complexes to highly unsaturated ruthenaphosphabicycloheptene complexes. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 4092-4099.	0.8	20
34	1,3-Dipolar Cycloaddition Reactions of Neutral and Cationic Hydridotris(pyrazolyl)borate-Ruthenium(II) Azido Complexes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 917-924.	1.0	20
35	Transfer Hydrogenation of Ketones Catalysed by New Half-Sandwich Ruthenium(II) Complexes Bearing the Sulfonated Phosphane (meta-Sulfonatophenyl)diphenylphosphane Potassium Salt (TPPMS). <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 2855-2864.	1.0	18
36	Catalytic Synthesis of Polynorbornene and Polynorbornadiene of Low Polydispersity Index by $[Ru(\eta^5-C_9H_7)Cl(COD)]$ (COD = 1,5-Cyclooctadiene). <i>Organometallics</i> , 2002, 21, 5678-5680.	1.1	17

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37	Synthesis and characterization of novel triply-bridged binuclear copper(I) complexes containing [3,6-bis(3,5-dimethylpyrazol-1-yl)pyridazine] (PPDMe) a. Polyhedron, 1990, 9, 2603-2608.	1.0	16
38	Novel indenyl half-sandwich osmium(II) complexes. X-ray structure of [Os{ η^5 -C ₉ H ₇ }(PPh ₃) ₂][PF ₆] \cdot OEt ₂ . Inorganica Chimica Acta, 2003, 347, 99-106.	1.2	16
39	Antitumor activity of new enantiopure pybox-ruthenium complexes. Dalton Transactions, 2013, 42, 13955.	1.6	16
40	Nucleophilic Additions to Allenylidene Ruthenium Complexes. Organometallics, 2015, 34, 1345-1353.	1.1	16
41	Practical synthesis of enantiopure benzylamines by catalytic hydrogenation or transfer hydrogenation reactions in isopropanol using a Ru-pybox catalyst. Organic Chemistry Frontiers, 2018, 5, 841-849.	2.3	14
42	Synthesis and Structural Features of New Ruthenium(II) Complexes Containing the Scorpionate Ligands Tris(pyrazolyl)methanesulfonate (Tpms) and Tris(pyrazolyl)methane (Tpm). European Journal of Inorganic Chemistry, 2011, 2011, 4745-4755.	1.0	13
43	Me ₂ Si(η^5 -C ₅ H ₄) ₂ -Bridged Dinuclear Ruthenium Complexes: X-ray Crystal Structures of [Ru ₂ { η^5 -C ₅ H ₄) ₂ SiMe ₂ }(Cl) ₂ (CO) ₄] and [Ru ₂ { η^5 -C ₅ H ₄) ₂ SiMe ₂ }(η^5 -Br)(CO) ₄][BF ₄]. Organometallics, 1999, 18, 3008-3015.		12
44	Half-Sandwich η^5 -Indenyl- and η^6 -Areneruthenium(II) Complexes Bearing the Chiral Ligand (4S)-2-[(Sp)-2-(Diphenylphosphanyl)ferrocenyl]-4-(methylethyl)oxazoline (FcPN). European Journal of Inorganic Chemistry, 2007, 2007, 732-741.	1.0	12
45	Intramolecular nucleophilic attack on cationic iron(II) vinylidene complexes: Synthesis and crystal structure of the alkenyl [H] containing an unprecedented bicyclopentane ring system. Journal of Organometallic Chemistry, 1992, 429, C19-C25.	0.8	11
46	Regioselective Synthesis of η^4 -Dienylphosphane Ruthenium Complexes by Oxidative Coupling Reactions. Organometallics, 2007, 26, 5315-5322.	1.1	11
47	Ruthenium-Mediated Cyclometalation Reactions of Allene and Allylphosphine C-C Bonds: Synthesis of η^5 -(η^4 -Hexa-2,5-dien-1-yl)diphenylphosphine Ruthenium(II) Complexes. Organometallics, 2011, 30, 5803-5808.	1.1	11
48	Organoruthenium Complexes Containing New Phosphorus-Carbon and Phosphorus-Carbon-Sulfur Ligands Generated in the Coordination Sphere by Nucleophilic Addition Reactions. Organometallics, 2013, 32, 4342-4352.	1.1	11
49	η^3 -Allylphosphane Iridium(III) and Rhodium(III) Complexes: Preparation and Reactivity toward Nucleophilic Reagents. Organometallics, 2015, 34, 4581-4590.	1.1	11
50	Synthesis of Silver(I) and Gold(I) Complexes Containing Enantiopure Pybox Ligands. First Assays on the Silver(I)-Catalyzed Asymmetric Addition of Alkynes to Imines. Inorganic Chemistry, 2016, 55, 8794-8807.	1.9	11
51	Photochemical reactions of alkynyl iron (II) complexes with carbon disulfide. Insertion of CS ₂ into an iron-C(sp) bond. Journal of Organometallic Chemistry, 1996, 510, 207-211.	0.8	10
52	Octahedral ruthenium(II) complexes containing the chiral ligand (4S)-2-[(Sp)-2-(diphenylphosphino)ferrocenyl]-4-(isopropyl)oxazoline (FcPN). X-Ray crystal structures of fac-[RuCl ₂ (PMe ₃) ₂ (FcPN)] and fac-[RuCl ₂ (dppm)(FcPN)] (dppm=bis(diphenylphosphino)methane). Journal of Organometallic Chemistry, 2001, 637-639, 463-468.	0.8	10
53	Alkyne activation by half-sandwich ruthenium(II) complexes bearing the water-soluble phosphane 1,3,5-triaza-7-phosphaadamantane (PTA). Journal of Organometallic Chemistry, 2010, 695, 162-169.	0.8	10
54	Synthesis and characterization of 3,6-bis(3,5-dimethylpyrazol-1-yl)pyridazine (L) derivatives of mononuclear manganese(I) and Group 6 metal(0) carbonyl complexes. Crystal and molecular structures of [M(CO) ₄ L](M = Cr or Mo). Journal of the Chemical Society Dalton Transactions, 1991, , 1557-1562.	1.1	9

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55	Antimicrobial and Antitumor Activity of Enantiopure Pybox-Osmium Complexes. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1424-1432.	1.0	9
56	1,3-Dipolar Cycloadditions of Rhodium(III) Azido Complexes with Alkynes and Nitriles. <i>ChemistrySelect</i> , 2017, 2, 3172-3177.	0.7	9
57	Mononuclear osmium(II) complexes bearing (S,S)-iPr-pybox and (R,R)-Ph-pybox ligands. <i>Journal of Organometallic Chemistry</i> , 2014, 750, 30-34.	0.8	8
58	Alkyne activation by half-sandwich ruthenium(II) complex [RuCl(η -5-C ₉ H ₇){P(OEt) ₃ }(PPh ₃)]. <i>Journal of Organometallic Chemistry</i> , 2015, 797, 101-109.	0.8	8
59	Intramolecular C-C Coupling Reactions of Alkynyl, Vinylidene, and Alkenylphosphane Ligands in Rhodium(III) Complexes. <i>Organometallics</i> , 2016, 35, 2793-2805.	1.1	7
60	Synthesis of Iridium Tetrazolato, Triazolinato, and Triazolato Complexes by [3+2] Cycloaddition of Iridium(III) Azido Complexes with Unsaturated Nitriles. <i>Organometallics</i> , 2019, 38, 1168-1177.	1.1	7
61	Oxidative additions on indenyl rhodium complexes bearing the hemilabile homoallyldiphenylphosphane (HADPP) ligand. <i>Journal of Organometallic Chemistry</i> , 2014, 757, 1-7.	0.8	6
62	Osmium(II)/R-pybox vs ruthenium(II)/R-pybox complexes in the catalytic asymmetric transfer hydrogenation of arylketones. <i>Molecular Catalysis</i> , 2018, 456, 75-86.	1.0	6
63	New ruthenium(II) complexes containing the chiral ligand (4S)-2-[(Sp)-2-(diphenylphosphino)ferrocenyl]-4-(methyl)oxazoline (FcPN). X-ray structures of mer-trans-[RuCl ₂ (dppm)(FcPN)] (dppm=bis(diphenylphosphino)methane) and cis-[RuCl ₂ (CO)(py)(FcPN)]. <i>Journal of Organometallic Chemistry</i> , 2002, 663, 204-212.	0.8	5
64	Copper(I) and silver(I) complexes containing the enantiopure N,N-bidentate 1,3-bis[4-(S)-isopropylloxazolin-2-yl]benzene ((S,S)-iPr-pheboxH) ligand. <i>Polyhedron</i> , 2015, 94, 59-66.	1.0	5
65	Reactivity of Hydride Half-Sandwich Ruthenium(II) Complexes Bearing the Scorpionate Ligands Hydridotris(pyrazol-1-yl)borate and Tris(pyrazol-1-yl)methanesulfonate. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2516-2526.	1.0	5
66	Reactivity of η -Alkenylphosphane Rhodium(III) and Iridium(III) Complexes toward Nucleophilic Reagents. <i>ChemistrySelect</i> , 2016, 1, 4044-4051.	0.7	3
67	Asymmetric Transfer Hydrogenation of Arylketones Catalyzed by Enantiopure Ruthenium(II)/Pybox Complexes Containing Achiral Phosphonite and Phosphinite Ligands. <i>Molecules</i> , 2020, 25, 990.	1.7	3
68	Elemental and molecular mass spectrometric strategies for probing interactions between DNA and new Ru(II) complexes containing phosphane ligands and either a tris(pyrazol-1-yl)borate or a pyridine bis(oxazoline) ligand. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 172-179.	1.6	2
69	Isomerization Processes on Organoruthenium Complexes Bearing η -Bidentate Ligands Generated Through Nucleophilic Addition to Coordinated Alkenyl Phosphanes. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4875-4886.	1.0	2
70	Synthesis of Pentamethylcyclopentadienyl Dialkynyl Phosphane Iridium(III) complexes. Reactivity of the Complex [Ir(η -5-C ₅ Me ₅)(C ₂ (PPh ₃) ₂)] toward Electrophiles. <i>Organometallics</i> , 2020, 39, 43-50.	1.1	1