

# Elena Lastra

## List of Publications by Year in descending order

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70  
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1,918  
citations

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#	ARTICLE	IF	CITATIONS
1	Synthesis of Pentamethylcyclopentadienyl Dialkynyl Phosphane Iridium(III) complexes. Reactivity of the Complex $[\text{Ir}(\eta^5\text{-C}_5\text{Me}_5)(\text{CPh})_2(\text{PPh}_3)]$ toward Electrophiles. <i>Organometallics</i> , 2020, 39, 43-50.	2.3	1
2	Asymmetric Transfer Hydrogenation of Arylketones Catalyzed by Enantiopure Ruthenium(II)/Pybox Complexes Containing Achiral Phosphonite and Phosphinite Ligands. <i>Molecules</i> , 2020, 25, 990.	3.8	3
3	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.	2.3	7
4	Practical synthesis of enantiopure benzylamines by catalytic hydrogenation or transfer hydrogenation reactions in isopropanol using a Ru-pybox catalyst. <i>Organic Chemistry Frontiers</i> , 2018, 5, 841-849.	4.5	14
5	Isomerization Processes on Organoruthenium Complexes Bearing $\eta^2(\text{P,C})$ -bidentate Ligands Generated Through Nucleophilic Addition to Coordinated Alkenyl Phosphanes. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4875-4886.	2.0	2
6	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.	2.0	6
7	1,3-Dipolar Cycloadditions of Rhodium(III) Azido Complexes with Alkynes and Nitriles. <i>ChemistrySelect</i> , 2017, 2, 3172-3177.	1.5	9
8	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. <i>Inorganic Chemistry</i> , 2016, 55, 8794-8807.	4.0	11
9	Intramolecular $\text{C}\equiv\text{C}$ Coupling Reactions of Alkynyl, Vinylidene, and Alkenylphosphane Ligands in Rhodium(III) Complexes. <i>Organometallics</i> , 2016, 35, 2793-2805.	2.3	7
10	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.	2.0	5
11	Reactivity of $\eta^2(\text{P,C})$ -Alkenylphosphane Rhodium(III) and Iridium(III) Complexes toward Nucleophilic Reagents. <i>ChemistrySelect</i> , 2016, 1, 4044-4051.	1.5	3
12	Elemental and molecular mass spectrometric strategies for probing interactions between DNA and new Ru( $\eta^2$ ) 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.	3.0	2
13	SEOM clinical guidelines in Hereditary Breast and ovarian cancer. <i>Clinical and Translational Oncology</i> , 2015, 17, 956-961.	2.4	82
14	Alkyne activation by half-sandwich ruthenium(II) complex $[\text{RuCl}(\eta^5\text{-C}_9\text{H}_7)\{\text{P}(\text{OEt})_3\}(\text{PPh}_3)]$ . <i>Journal of Organometallic Chemistry</i> , 2015, 797, 101-109.	1.8	8
15	Highly Enantioselective Hydrogenation of $N$ -Aryl Imines Derived from Acetophenones by Using Ru-Pybox Complexes under Hydrogenation or Transfer Hydrogenation Conditions in Isopropanol. <i>Chemistry - A European Journal</i> , 2015, 21, 549-553.	3.3	36
16	Antimicrobial and Antitumor Activity of Enantiopure Pybox-Osmium Complexes. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1424-1432.	2.0	9
17	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.	2.2	5
18	Nucleophilic Additions to Allenylidene Ruthenium Complexes. <i>Organometallics</i> , 2015, 34, 1345-1353.	2.3	16

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19	$\text{Ir}^{\text{III}}$ -Allylphosphane Iridium(III) and Rhodium(III) Complexes: Preparation and Reactivity toward Nucleophilic Reagents. <i>Organometallics</i> , 2015, 34, 4581-4590.	2.3	11
20	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.	2.0	20
21	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.	1.8	8
22	Oxidative additions on indenyl rhodium complexes bearing the hemilabile homoallyldiphenylphosphane (HADPP) ligand. <i>Journal of Organometallic Chemistry</i> , 2014, 757, 1-7.	1.8	6
23	Antitumor activity of new enantiopure pybox-ruthenium complexes. <i>Dalton Transactions</i> , 2013, 42, 13955.	3.3	16
24	Organoruthenium Complexes Containing New Phosphorus-Carbon and Phosphorus-Carbon-Sulfur Ligands Generated in the Coordination Sphere by Nucleophilic Addition Reactions. <i>Organometallics</i> , 2013, 32, 4342-4352.	2.3	11
25	Asymmetric Transfer Hydrogenation of Ketones Catalyzed by Enantiopure Osmium(II) Pybox Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 6193-6198.	4.0	31
26	1,3-Dipolar Cycloadditions of Ruthenium(II) Azido Complexes with Alkynes and Nitriles. <i>Inorganic Chemistry</i> , 2013, 52, 4293-4302.	4.0	30
27	Ruthenium-Mediated Cyclometalation Reactions of Allene and Allylphosphine C-C Bonds: Synthesis of $\text{Ir}^{\text{III}}$ -(Hexa-2,5-dien-1-yl)diphenylphosphine-Ruthenium(II) Complexes. <i>Organometallics</i> , 2011, 30, 5803-5808.	2.3	11
28	Synthesis and Structural Features of New Ruthenium(II) Complexes Containing the Scorpionate Ligands Tris(pyrazolyl)methanesulfonate (Tpms) and Tris(pyrazolyl)methane (Tpm). <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4745-4755.	2.0	13
29	Alkyne activation by half-sandwich ruthenium(II) complexes bearing the water-soluble phosphane 1,3,5-triaza-7-phosphaadamantane (PTA). <i>Journal of Organometallic Chemistry</i> , 2010, 695, 162-169.	1.8	10
30	Antitumor activity of new hydridotris(pyrazolyl)borate ruthenium(ii) complexes containing the phosphanes PTA and 1-CH <sub>2</sub> -PTA. <i>Dalton Transactions</i> , 2010, 39, 10186.	3.3	24
31	Facile Modification of 1,3,5-Triaza-7-phosphatrimethylsilyldecane Phosphanes Coordinated to Ruthenium(II). <i>Inorganic Chemistry</i> , 2009, 48, 2471-2481.	4.0	24
32	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.	2.2	27
33	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.	1.8	29
34	Regioselective Synthesis of $\text{Ir}^{\text{III}}$ -4-Dienylphosphane Ruthenium Complexes by Oxidative Coupling Reactions. <i>Organometallics</i> , 2007, 26, 5315-5322.	2.3	11
35	Half-Sandwich $\text{Ir}^{\text{III}}$ -5-Indenyl- and $\text{Ir}^{\text{III}}$ -6-Arenylruthenium(II) Complexes Bearing the Chiral Ligand (4S)-2-[(Sp)-2-(Diphenylphosphanyl)ferrocenyl]-4-(methylethyl)oxazoline (FcPN). <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 732-741.	2.0	12
36	From alkenylphosphane aminoallenylidene ruthenium(II) complexes to highly unsaturated ruthenaphosphabicycloheptene complexes. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 4092-4099.	1.8	20

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37	Synthesis of New Half-Sandwich Ruthenium(II) Complexes Bearing Alkenyl- and Alkynylphosphane Ligands. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 78-87.	2.0	21
38	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.	2.0	18
39	Intramolecular [2 + 2] Cycloaddition of Allyl CC and Allenylidene C $\pm$ C $\pm$ Bonds: $\alpha$ -Formation and Deprotonation of Cyclobutylidene Rings. <i>Organometallics</i> , 2005, 24, 1410-1418.	2.3	42
40	Reaction of the Ruthenium(II) Indenyl Complex [Ru( $\eta$ -5-C $_9$ H $_7$ ){ $\eta$ -3(P,C,C)-PPh $_2$ (CH $_2$ CHCH $_2$ )}(PPh $_3$ )] [PF $_6$ ] with Terminal Alkynes. Mechanisms of 1-Alkyne to $\eta$ -1-Vinylidene Transformation and Kinetic Detection of Hemilability of the Allylphosphine Ligand. <i>Organometallics</i> , 2004, 23, 5127-5134.	2.3	36
41	Diastereoselective Synthesis of the Indenylruthenium(II) Complexes [Ru( $\eta$ -5-C $_9$ H $_7$ ){ $\eta$ -3(P,C,C)-Ph $_2$ P(CH $_2$ CRCH $_2$ )}(PPh $_3$ )] [PF $_6$ ] (R = H, Me): $\Delta$ Enantiofacial Coordination, Hemilabile Properties, and Diastereoselective Nucleophilic Additions to $\eta$ -3(P,C,C)-Allylphosphine Ligands. <i>Organometallics</i> , 2004, 23, 2956-2966.	2.3	26
42	Novel indenyl half-sandwich osmium(II) complexes. X-ray structure of [Os( $\eta$ -5-C $_9$ H $_7$ )(PPh $_3$ ) $_2$ ] [PF $_6$ ] $\cdot$ OEt $_2$ . <i>Inorganica Chimica Acta</i> , 2003, 347, 99-106.	2.4	16
43	Formation of a Cyclobutylidene Ring: $\Delta$ 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.	13.7	65
44	Catalytic Synthesis of Polynorbornene and Polynorbornadiene of Low Polydispersity Index by [Ru( $\eta$ -5-C $_9$ H $_7$ )Cl(COD)] (COD = 1,5-Cyclooctadiene). <i>Organometallics</i> , 2002, 21, 5678-5680.	2.3	17
45	New ruthenium(II) complexes containing the chiral ligand (4S)-2-[(Sp)-2-(diphenylphosphino)ferrocenyl]-4-(methyl)oxazoline (FcPN). X-ray structures of $\Delta$ 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.	1.8	5
46	Synthesis and Reactivity of Indenyl Ruthenium(II) Complexes Containing the Labile Ligand 1,5-Cyclooctadiene (COD): $\Delta$ Catalytic Activity of [Ru( $\eta$ -5-C $_9$ H $_7$ )Cl(COD)]. <i>Organometallics</i> , 2001, 20, 3762-3771.	2.3	61
47	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). <i>Journal of Organometallic Chemistry</i> , 2001, 637-639, 463-468.	1.8	10
48	Indenyl complexes of Group 8 metals. <i>Coordination Chemistry Reviews</i> , 1999, 193-195, 147-205.	18.8	141
49	Unusual activation of 1-ethynyl-1-cyclohexanol by [RuCl( $\eta$ -5-C $_9$ H $_7$ )(PPh $_3$ ) $_2$ ]: synthesis and reactivity of the allenylidene derivative [Ru( $\eta$ -5-C $_9$ H $_7$ )(PPh $_3$ ) $_2$ ]( $\eta$ -5-C $_9$ H $_7$ )(PPh $_3$ ) $_2$ ] [PF $_6$ ]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3235-3243.	1.1	21
50	Me $_2$ Si( $\eta$ -5-C $_5$ H $_4$ ) $_2$ -Bridged Dinuclear Ruthenium Complexes: $\Delta$ X-ray Crystal Structures of [Ru $_2$ { $\eta$ -4-( $\eta$ -5-C $_5$ H $_4$ ) $_2$ SiMe $_2$ }(Cl) $_2$ (CO) $_4$ ] and [Ru $_2$ { $\eta$ -4-( $\eta$ -5-C $_5$ H $_4$ ) $_2$ SiMe $_2$ }( $\eta$ -4-Br)(CO) $_4$ ] [BF $_4$ ]. <i>Organometallics</i> , 1999, 18, 3008-3015.	1.1	12
51	Activation of 2-Propyn-1-ol Derivatives by Indenylruthenium(II) and -osmium(II) Complexes: $\Delta$ X-ray Crystal Structures of the Allenylidene Complexes [M(CCCPh $_2$ )( $\eta$ -5-C $_9$ H $_7$ )(PPh $_3$ ) $_2$ ] [PF $_6$ ] $\cdot$ CH $_2$ Cl $_2$ (M = Ru, Os) and EHMO Calculations. <i>Organometallics</i> , 1996, 15, 2137-2147.	2.3	172
52	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
53	Photochemical reactions of alkynyl iron (II) complexes with carbon disulfide. Insertion of CS $_2$ into an iron-C(sp) bond. <i>Journal of Organometallic Chemistry</i> , 1996, 510, 207-211.	1.8	10
54	Synthesis and Metal Complexation Reactions of Bis-Dioxocyclams from Photochemical Reaction of Bis-Chromium Alkoxy-carbene Complexes with Imidazolines. <i>Journal of the American Chemical Society</i> , 1995, 117, 3368-3379.	13.7	42

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55	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
56	Reactions of novel cationic diphenylallenylidene complexes $[Ru(\eta^3-C_3H_5)_2L_2(\eta^1-C_9H_7)]^+(L = PPh_3; L_2 = )$ and anionic nucleophiles. <i>Journal of Organometallic Chemistry</i> , 1994, 474, C27-C29.	1.8	57
57	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.	2.3	55
58	17-Electron alkynyl complexes of cyclopentadienyliron(III). <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 2575.	1.1	64
59	Synthesis and characterization of triangulo copper(I) complexes containing mono- and bicapping systems of asymmetric $\eta^3$ -acetylide ligands: molecular structures of $[Cu_3(\eta^3-C_3H_5)_2(\eta^1-C_6H_5)_2(\eta^1-C_6H_5)]^+[BF_4]^-$ , $[Cu_3(\eta^3-C_3H_5)_2(\eta^1-C_6H_5)]^+[BF_4]^-$ , and $[Cu_3(\eta^3-C_3H_5)_2(\eta^1-C_6H_5)]^+[BF_4]^-$ [dppm = bis(diphenylphosphino)methane]. <i>Organometallics</i> , 1993, 12, 2213-2220.	2.3	73
60	Synthesis of compounds containing two adjacent carbon-13 labels by photolytic reactions of chromium carbene complexes. <i>Journal of the American Chemical Society</i> , 1993, 115, 87-90.	13.7	39
61	Asymmetric synthesis of (S)- and (R)-[2- <sup>13</sup> H]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.	13.7	44
62	Novel cationic vinylidene complexes of iron(II) containing $Fe(\eta^5-C_5H_5)L_2$ as metal auxiliary [ $L_2 =$ bis(diphenylphosphino)methane (dppm) and bis(dimethylphosphino)methane (dmpm)]. Crystal structure of $[Fe(\eta^5-C_5H_5)(dppm)]^+$ . <i>Organometallics</i> , 1992, 11, 1373-1381.	2.3	52
63	Intramolecular nucleophilic attack on cationic iron(II) vinylidene complexes: Synthesis and crystal structure of the alkenyl $[H]$ containing an unprecedented bicyclopentane ring system. <i>Journal of Organometallic Chemistry</i> , 1992, 429, C19-C25.	1.8	11
64	Reactions of cationic vinylidene complexes $[Fe(\eta^5-C_5H_5)(dppm)]^+[dppm =$ bis(diphenylphosphino)methane] with nucleophiles: stereoselective synthesis and crystal structure of the alkenyl complex (E)- $[Fe(\eta^5-C_5H_5)(dppm)]^+$ . <i>Journal of Organometallic Chemistry</i> , 1992, 430, C39-C43.	1.8	27
65	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 $[M(CO)_4L]$ (M = Cr or Mo). <i>Journal of the Chemical Society Dalton Transactions</i> , 1991, , 1557-1562.	1.1	9
66	Synthesis and characterization of novel $\eta^5$ -alkynyl cyclopentadienyl iron(II) complexes $[Fe(\eta^5-C_5H_5)L_2]$ [ $L = CO; L_2 =$ bis(diphenylphosphino)methane (dppm)]. Crystal structure of $[Fe(\eta^5-C_5H_5)(dppm)]^+$ . <i>Journal of Organometallic Chemistry</i> , 1991, 405, 333-345.	1.8	44
67	Synthesis and characterization of novel triply-bridged binuclear copper(I) complexes containing [3,6-bis(3,5-dimethylpyrazol-1-yl)pyridazine] (PPDMe) a. <i>Polyhedron</i> , 1990, 9, 2603-2608.	2.2	16
68	Synthesis and crystal structure of $[Cu_3(\eta^3-C_3H_5)_2(\eta^1-C_6H_5)]^+[BF_4]^-$ , a tricopper(I) complex containing a $\eta^3$ -acetylide group and three bis(diphenylphosphino)methane (dppm) bridging ligands. <i>Journal of Organometallic Chemistry</i> , 1989, 378, C11-C14.	1.8	42
69	Binuclear copper(I) complexes containing two or three 2-(diphenylphosphino)pyridine (dppy) bridging ligands: X-ray crystal structure of $[Cu_2(\mu-dppy)_3(MeCN)]^+[BF_4]^-$ and variable-temperature <sup>1</sup> H and <sup>31</sup> P-NMR studies. <i>Journal of the Chemical Society Dalton Transactions</i> , 1989, , 1499-1506.	1.1	37
70	An unusual coordination mode of acetylide ligands: synthesis of tetranuclear copper(I) complexes		