Elena Lastra

List of Publications by Year
in descending order

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70 papers	1,918 citations	218381 26 h-index	276539 41 g-index
79 all docs	79 docs citations	79 times ranked	1524 citing authors

#	Article	IF	Citations
1	Synthesis of Pentamethylcyclopentadienyl Dialkynyl Phosphane Iridium(III) complexes. Reactivity of the Complex [Ir(Î·⁵-C₅Me₅)(Câ‰¡CPh)₂(PPh₃)] toward Electrophiles. Organometallics, 2020, 39, 43-50.	1.1	1
2	Asymmetric Transfer Hydrogenation of Arylketones Catalyzed by Enantiopure Ruthenium(II)/Pybox Complexes Containing Achiral Phosphonite and Phosphinite Ligands. Molecules, 2020, 25, 990.	1.7	3
3	Synthesis of Iridium Tetrazolato, Triazolinato, and Triazolato Complexes by [3+2] Cycloaddition of Iridium(III) Azido Complexes with Unsaturated Nitriles. Organometallics, 2019, 38, 1168-1177.	1.1	7
4	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
5	Isomerization Processes on Organoruthenium Complexes Bearing Îº²(P,C)â€Bidentate Ligands Generated Through Nucleophilic Addition to Coordinated Alkenyl Phosphanes. European Journal of Inorganic Chemistry, 2018, 2018, 4875-4886.	1.0	2
6	Osmium(II)/R-pybox vs ruthenium(II)/R-pybox complexes in the catalytic asymmetric transfer hydrogenation of arylketones. Molecular Catalysis, 2018, 456, 75-86.	1.0	6
7	1,3-Dipolar Cycloadditions of Rhodium(III) Azido Complexes with Alkynes and Nitriles. ChemistrySelect, 2017, 2, 3172-3177.	0.7	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. Inorganic Chemistry, 2016, 55, 8794-8807.	1.9	11
9	Intramolecular Câ€“C Coupling Reactions of Alkynyl, Vinylidene, and Alkenylphosphane Ligands in Rhodium(III) Complexes. Organometallics, 2016, 35, 2793-2805.	1.1	7
10	Reactivity of Hydride Halfâ€Sandwich Ruthenium(II) Complexes Bearing the Scorpionate Ligands Hydridotris(pyrazolâ€1â€yl)borate and Tris(pyrazolâ€1â€yl)methanesulfonate. European Journal of Inorganic Chemistry, 2016, 2016, 2516-2526.	1.0	5
11	Reactivity of Îº(P)â€Alkenylphosphane Rhodium(III) and Iridium(III) Complexes toward Nucleophilic Reagents. ChemistrySelect, 2016, 1, 4044-4051.	0.7	3
12	Elemental and molecular mass spectrometric strategies for probing interactions between DNA and new Ru(<scp>ii</scp>) complexes containing phosphane ligands and either a tris(pyrazol-1-yl)borate or a pyridine bis(oxazoline) ligand. Journal of Analytical Atomic Spectrometry, 2015, 30, 172-179.	1.6	2
13	SEOM clinical guidelines in Hereditary Breast and ovarian cancer. Clinical and Translational Oncology, 2015, 17, 956-961.	1.2	82
14	Alkyne activation by halfâ€“sandwich ruthenium(II) complex [RuCl(Î·5-C9H7){P(OEt)3}(PPh3)]. Journal of Organometallic Chemistry, 2015, 797, 101-109.	0.8	8
15	Highly Enantioselective Hydrogenation of Nâ€Aryl Imines Derived from Acetophenones by Using Ruâ€“Pybox Complexes under Hydrogenation or Transfer Hydrogenation Conditions in Isopropanol. Chemistry - A European Journal, 2015, 21, 549-553.	1.7	36
16	Antimicrobial and Antitumor Activity of Enantiopure Pybox-Osmium Complexes. European Journal of Inorganic Chemistry, 2015, 2015, 1424-1432.	1.0	9
17	Copper(I) and silver(I) complexes containing the enantiopure N,N-bidentate 1,3-bis[4â€²-(S)-isopropyloxazolin-2â€²-yl]benzene ((S,S)-iPr-pheboxH) ligand. Polyhedron, 2015, 94, 59-66.	1.0	5
18	Nucleophilic Additions to Allenylidene Ruthenium Complexes. Organometallics, 2015, 34, 1345-1353.	1.1	16

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19	Î²³(P,C,C)-Allylphosphane Iridium(III) and Rhodium(III) Complexes: Preparation and Reactivity toward Nucleophilic Reagents. Organometallics, 2015, 34, 4581-4590.	1.1	11
20	1,3-Dipolar Cycloaddition Reactions of Neutral and Cationic Hydridotris(pyrazolyl)borate-Ruthenium(II) Azido Complexes. European Journal of Inorganic Chemistry, 2014, 2014, 917-924.	1.0	20
21	Mononuclear osmium(II) complexes bearing (S,S)-iPr-pybox andÂ(R,R)-Ph-pybox ligands. Journal of Organometallic Chemistry, 2014, 750, 30-34.	0.8	8
22	Oxidative additions on indenyl rhodium complexes bearing the hemilabile homoallyldiphenylphosphane (HADPP) ligand. Journal of Organometallic Chemistry, 2014, 757, 1-7.	0.8	6
23	Antitumor activity of new enantiopure pybox-ruthenium complexes. Dalton Transactions, 2013, 42, 13955.	1.6	16
24	Organoruthenium Complexes Containing New Phosphorusâ€“Carbon and Phosphorusâ€“Carbonâ€“Sulfur Ligands Generated in the Coordination Sphere by Nucleophilic Addition Reactions. Organometallics, 2013, 32, 4342-4352.	1.1	11
25	Asymmetric Transfer Hydrogenation of Ketones Catalyzed by Enantiopure Osmium(II) Pybox Complexes. Inorganic Chemistry, 2013, 52, 6193-6198.	1.9	31
26	1,3-Dipolar Cycloadditions of Ruthenium(II) Azido Complexes with Alkynes and Nitriles. Inorganic Chemistry, 2013, 52, 4293-4302.	1.9	30
27	Ruthenium-Mediated Cyclometalation Reactions of Allene and Allylphosphine Câ•C Bonds: Synthesis of Î²(P),Î·⁴-(Hexa-2,5-dien-1-yl)diphenylphosphineâ€“Ruthenium(II) Complexes. Organometallics, 2011, 30, 5803-5808.	1.1	11
28	Synthesis and Structural Features of New Ruthenium(II) Complexes Containing the Scorpionate Ligands Tris(pyrazolâ€1â€yl)methanesulfonate (Tpms) and Tris(pyrazolâ€1â€yl)methane (Tpm). European Journal of Inorganic Chemistry, 2011, 2011, 4745-4755.	1.0	13
29	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
30	Antitumor activity of new hydridotris(pyrazolyl)borate ruthenium(ii) complexes containing the phosphanes PTA and 1-CH3â€“PTA. Dalton Transactions, 2010, 39, 10186.	1.6	24
31	Facile Modification of 1,3,5-Triaza-7-phosphatricyclo[3.3.1.1^{3,7}]decane Phosphanes Coordinated to Ruthenium(II). Inorganic Chemistry, 2009, 48, 2471-2481.	1.9	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. Polyhedron, 2008, 27, 1214-1228.	1.0	27
33	Asymmetric transfer hydrogenation of ketones catalyzed by ruthenium(II) complexes bearing a chiral phosphinoferrocenyloxazoline ligand. Journal of Organometallic Chemistry, 2008, 693, 2535-2540.	0.8	29
34	Regioselective Synthesis of Î·4-Dienylphosphane Ruthenium Complexes by Oxidative Coupling Reactions. Organometallics, 2007, 26, 5315-5322.	1.1	11
35	Half-Sandwich Î·5-Indenyl- and Î·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
36	From alkenylphosphane aminoallenylidene ruthenium(II) complexes to highly unsaturated ruthenaphosphabicycloheptene complexes. Journal of Organometallic Chemistry, 2006, 691, 4092-4099.	0.8	20

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37	Synthesis of New Half-Sandwich Ruthenium(II) Complexes Bearing Alkenyl- and Alkynylphosphane Ligands. European Journal of Inorganic Chemistry, 2006, 2006, 78-87.	1.0	21
38	Transfer Hydrogenation of Ketones Catalysed by New Half-Sandwich Ruthenium(II) Complexes Bearing the Sulfonated Phosphane (meta-Sulfonatophenyl)diphenylphosphane Potassium Salt (TPPMS). European Journal of Inorganic Chemistry, 2006, 2006, 2855-2864.	1.0	18
39	Intramolecular [2 + 2] Cycloaddition of Allyl CC and Allenylidene CÎ±CÎ² Bonds:â€‰ Formation and Deprotonation of Cyclobutylidene Rings. Organometallics, 2005, 24, 1410-1418.	1.1	42
40	Reaction of the Ruthenium(II) Indenyl Complex [Ru(Î·5-C9H7){Î²3(P,C,C)-PPh2(CH2CHCH2)}(PPh3)][PF6] with Terminal Alkynes. Mechanisms of 1-Alkyne to Î·1-Vinylidene Transformation and Kinetic Detection of Hemilability of the Allylphosphine Ligand. Organometallics, 2004, 23, 5127-5134.	1.1	36
41	Diastereoselective Synthesis of the Indenylruthenium(II) Complexes [Ru(Î·5-C9H7){Î²3(P,C,C)-Ph2P(CH2CRCH2)}(PPh3)][PF6] (R = H, Me):Â Enantiofacial Coordination, Hemilabile Properties, and Diastereoselective Nucleophilic Additions to Î²3(P,C,C)-Allylphosphine Ligands. Organometallics, 2004, 23, 2956-2966.	1.1	26
42	Novel indenyl half-sandwich osmium(II) complexes. X-ray structure of [Os{Î˜...CÎ˜...C(H)But}(Î·5-C9H7)(PPh3)2][PF6]Â·OEt2. Inorganica Chimica Acta, 2003, 347, 99-106.	1.2	16
43	Formation of a Cyclobutylidene Ring:Â Intramolecular [2 + 2] Cycloaddition of Allyl and Vinylidene CC Bonds under Mild Conditions. Journal of the American Chemical Society, 2003, 125, 2386-2387.	6.6	65
44	Catalytic Synthesis of Polynorbornene and Polynorbornadiene of Low Polydispersity Index by [Ru(Î·5-C9H7)Cl(COD)] (COD = 1,5-Cyclooctadiene). Organometallics, 2002, 21, 5678-5680.	1.1	17
45	New ruthenium(II) complexes containing the chiral ligand (4S)-2-[(Sp)-2-(diphenylphosphino)ferrocenyl]-4-(methylethyl)oxazoline (FcPN). X-ray structures of merâ€“trans-[RuCl2(dppm)(FcPN)] (dppm=bis(diphenylphosphino)methane) and cis-[RuCl2(CO)(py)(FcPN)]. Journal of Organometallic Chemistry, 2002, 663, 204-212.	0.8	5
46	Synthesis and Reactivity of Indenyl Ruthenium(II) Complexes Containing the Labile Ligand 1,5-Cyclooctadiene (COD):Â Catalytic Activity of [Ru(Î·5-C9H7)Cl(COD)]. Organometallics, 2001, 20, 3762-3771.	1.1	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-[RuCl2(PMe3)2(FcPN)] and fac-[RuCl2(dppm)(FcPN)] (dppm=bis(diphenylphosphino)methane). Journal of Organometallic Chemistry, 2001, 637-639, 463-468.	0.8	10
48	Indenyl complexes of Group 8 metals. Coordination Chemistry Reviews, 1999, 193-195, 147-205.	9.5	141
49	Unusual activation of 1-ethynyl-1-cyclohexanol by [RuCl(Î·5-C9H7)(PPh3)2]: synthesis and reactivity of the allenylidene derivative [Ru{Î€†CÎ€†CÎ€†C(C13H20)}(Î·5-C9H7)(PPh3)2][PF6]. Journal of the Chemical Society Dalton Transactions, 1999, , 3235-3243.	1.1	21
50	Me2Si(Î·5-C5H4)2-Bridged Dinuclear Ruthenium Complexes:Â X-ray Crystal Structures of [Ru2{Î¼-(Î·5-C5H4)2SiMe2}(Cl)2(CO)4] and [Ru2{Î¼-(Î·5-C5H4)2SiMe2}(Î¼-Br)(CO)4][BF4]. Organometallics, 1999, 18, 3008-3015.	1.1	12
51	Activation of 2-Propyn-1-ol Derivatives by Indenylruthenium(II) and -osmium(II) Complexes:â€‰ X-ray Crystal Structures of the Allenylidene Complexes [M(CCCPh2)(Î·5-C9H7)(PPh3)2][PF6]Â·CH2Cl2 (M = Ru, Os) and EHMO Calculations. Organometallics, 1996, 15, 2137-2147.	1.1	172
52	Synthesis of alkynyl, cyclic carbene and vinylidene osmium(II) complexes: first indenyl half-sandwich osmium(II) complexes. Journal of the Chemical Society Dalton Transactions, 1996, , 2547.	1.1	28
53	Photochemical reactions of alkynyl iron (II) complexes with carbon disulfide. Insertion of CS2 into an iron-C(sp) bond. Journal of Organometallic Chemistry, 1996, 510, 207-211.	0.8	10
54	Synthesis and Metal Complexation Reactions of Bis-Dioxocyclams from Photochemical Reaction of Bis-Chromium Alkoxycarbene Complexes with Imidazolines. Journal of the American Chemical Society, 1995, 117, 3368-3379.	6.6	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. Journal of the Chemical Society Dalton Transactions, 1995, , 1901-1906.	1.1	25
56	Reactions of novel cationic diphenylallenylidene complexes [Ru(î—»Cî—»Cî—» CPh2)L2(Î·-C9H7)]+(L = PPh3; L2=) Tj ETQq0 0 0 rgBT /Ov anionic nucleophiles. Journal of Organometallic Chemistry, 1994, 474, C27-C29.	0.8	57
57	An Unprecedented Ruthenium Allenylidene Complex Containing an Unsaturated Bicyclic System: Formal Addition of 1-Ethynyl-1-cyclohexanol to an Alkenylvinylidene Intermediate Complex. Organometallics, 1994, 13, 745-747.	1.1	55
58	17-Electron alkynyl complexes of cyclopentadienyliron(III). Journal of the Chemical Society Dalton Transactions, 1993, , 2575.	1.1	64
59	Synthesis and characterization of triangulo copper(I) complexes containing mono- and bicapping systems of asymmetric .mu.3-.eta.1-acetylide ligands: molecular structures of [Cu3(.mu.3-.eta.1-C.tplbond.CPh)(.mu.-dppm)3][BF4]2, [Cu3(.mu.3-.eta.1-C.tplbond.CPh)2(.mu.-dppm)3][BF4], and [Cu3(.mu.3-.eta.1-C.tplbond.CPh)(.mu.3-Cl)(.mu.-dppm)3][BF4] [dppm = bis(diphenylphosphino)methane]. Organometallics, 1993, 12, 2213-2220.	1.1	73
60	Synthesis of compounds containing two adjacent carbon-13 labels by photolytic reactions of chromium carbene complexes. Journal of the American Chemical Society, 1993, 115, 87-90.	6.6	39
61	Asymmetric synthesis of (S)- and (R)-[2-2H1]glycine via photolysis of optically active chromium carbene complexes. A comparison of stereoselectivity between chromium ketene complexes, ketenes, and ester enolates. Journal of the American Chemical Society, 1992, 114, 2991-2994.	6.6	44
62	Novel cationic vinylidene complexes of iron(II) containing Fe(.eta.-C5H5)L2 as metal auxiliary [L2 = bis(diphenylphosphino)methane (dppm) and bis(dimethylphosphino)methane (dmpm)]. Crystal structure of [Fe[:C:C(Me)Ph](.eta.-C5H5)(dppm)]I. Organometallics, 1992, 11, 1373-1381.	1.1	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. Journal of Organometallic Chemistry, 1992, 429, C19-C25.	0.8	11
64	Reactions of cationic vinylidene complexes [Fe{=C=C(R1)R2}(Î·-C5H5)(dppm)]+[dppm = bis(diphenylphosphino)methane] with nucleophiles: stereoselective synthesis and crystal structure of the alkenyl complex (E)-[Fe{C(H)=C(Me)Ph}(Î·-C5H5)(dppm)]. Journal of Organometallic Chemistry, 1992, 430, C39-C43.	0.8	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). Journal of the Chemical Society Dalton Transactions, 1991, , 1557-1562.	1.1	9
66	Synthesis and characterization of novel Ïƒ-alkynyl cyclopentadienyl iron(II) complexes [Fe(Cî—¼CR)L2(Î·-C5H5)] [L î—» CO; L2 î—» bis(diphenylphosphino)methane (dppm)]. Crystal structure of [Fe(Cî—¼CC6H5)(dppm)(Î·-C5H5)]. Journal of Organometallic Chemistry, 1991, 405, 333-345.	0.8	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. Polyhedron, 1990, 9, 2603-2608.	1.0	16
68	Synthesis and crystal structure of [Cu3(Î¼3-Î·1-Cî—¼CPh)(Î¼-dppm)3][BF4]2, a tricopper(I) complex containing a Î¼3-Î·1 acetylide group and three bis(diphenylphosphino)methane (dppm) bridging ligands. Journal of Organometallic Chemistry, 1989, 378, C11-C14.	0.8	42
69	Binuclear copper(I) complexes containing two or three 2-(diphenylphosphine) pyridine (dppy) bridging ligands: X-ray crystal structure of [Cu2(Aμ-dppy)3(MeCN)][BF4]2and variable-temperature1H and31P-{1H} nuclear magnetic resonance studies. Journal of the Chemical Society Dalton Transactions, 1989, , 1499-1506.	1.1	37
70	An unusual coordination mode of acetylide ligands: synthesis of tetranuclear copper(I) complexes		