Luciano Canovese

List of Publications by Year
in descending order

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70	1,559	218677	361022
papers	citations	26	35
		h-index	g-index

71	71	71	933
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solution Behavior and X-ray Structure of Cationic Allylpalladium(II) Complexes with Iminophosphine Ligands. Kinetics and Mechanism of Allyl Amination by Secondary Amines. Organometallics, 1999, 18, 1137-1147.	2.3	62
2	Synthesis of new allyl palladium complexes bearing purine-based NHC ligands with antiproliferative and proapoptotic activities on human ovarian cancer cell lines. Dalton Transactions, 2018, 47, 13616-13630.	3.3	56
3	Palladium(II) allyl complexes with nitrogenâ€“sulfur bidentate ligands. Substituent effects in the mechanism of allyl amination. Journal of Organometallic Chemistry, 1998, 566, 61-71.	1.8	51
4	Synthesis, characterization and X-ray structural determination of palladium(0)â€“olefin complexes containing pyridin-thioethers as ancillary ligands. Equilibria and rates of olefin and ligand exchange. Journal of Organometallic Chemistry, 2000, 601, 1-15.	1.8	51
5	Insertion of Isocyanides across the Pdâ^'C Bond in Alkyl or Aryl Palladium(II) Complexes Bearing Mixed Nitrogenâ^'Sulfur and Nitrogenâ^'Phosphorus Ancillary Ligands. The Mechanism of Reaction. Organometallics, 2007, 26, 5590-5601.	2.3	46
6	Palladium(0)-Catalyzed Cisâ^'Trans Alkene Isomerizations. Organometallics, 2008, 27, 3577-3581.	2.3	46
7	Remarkable, Sterically Induced Rate Enhancement in the Insertion of Allenes into Palladiumâ^'Methyl Bonds. Organometallics, 2000, 19, 1461-1463.	2.3	44
8	Insertion of Substituted Alkynes into the Pdâ^'C Bond of Methyl and Vinyl Palladium(II) Complexes Bearing Pyridylthioethers as Ancillary Ligands. The Influence of Ligand Substituents at Pyridine and Sulfur on the Rate of Insertion. Organometallics, 2005, 24, 3297-3308.	2.3	43
9	Attack of Substituted Alkynes on Olefin Palladium(0) Derivatives of Pyridylthioethers. The First Kinetic Study on the Mechanism of Formation of Palladacyclopentadiene Complexes. Organometallics, 2005, 24, 5537-5548.	2.3	42
10	Phenylation of cationic allyl palladium(II) complexes by tetraphenylborate. Synthesis of Î±-diimine olefin palladium(0) complexes and mechanistic aspects. Journal of the Chemical Society Dalton Transactions, 1991, , 71-79.	1.1	41
11	Isomer Distribution and Interconversion in Cationic Allylpalladium(II) Complexes with 2-(Iminomethyl)pyridine Ligands. Organometallics, 1997, 16, 384-391.	2.3	41
12	Equilibria and rates of olefin substitution in zerovalent palladium complexes containing a 2-pyridylmethanimine ligand. Journal of the Chemical Society Dalton Transactions, 1996, , 1921.	1.1	39
13	Novel palladium(II) allyl complexes with nitrogen-sulfur donor bidentate ligands. Mechanism of allyl amination of [Pd(Î·3-allyl)-(N-SR)]ClO4 (allyl = C3H5; N-SR = C5H4N-2-CH2SR, R = C6H5, C2H5) in the presence of activated olefins. X-ray structure determination and fluxional behavior. Inorganica Chimica Acta, 1998, 275-276, 385-394.	2.4	36
14	Pyridylthioethers: a promising class of polydentate ligands in palladium and platinum coordination. Coordination Chemistry Reviews, 2004, 248, 945-954.	18.8	35
15	Palladacyclopentadienyl complexes bearing purineâ€based Nâ€heterocyclic carbenes: A new class of promising antiproliferative agents against human ovarian cancer. Applied Organometallic Chemistry, 2019, 33, e4902.	3.5	35
16	Palladium(0)â€“olefin complexes with potentially terdentate nitrogenâ€“sulfur ligands. The role of the chelate in the olefin exchange path. Journal of Organometallic Chemistry, 2001, 622, 155-165.	1.8	34
17	Synthesis of novel allyl palladium complexes bearing purine based NHC and a water soluble phosphine and their catalytic activity in the Suzukiâ€Miyaura coupling in water. Applied Organometallic Chemistry, 2018, 32, e4034.	3.5	33
18	Palladium(II) allyl complexes with potentially terdentate ancillary ligands. Mechanism of allyl amination by piperidine. Inorganica Chimica Acta, 1999, 293, 44-52.	2.4	32

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19	The marked influence of steric and electronic properties of ancillary pyridylthioether ligands on the rate of allene insertion into the palladiumâ€“carbon bond. Journal of Organometallic Chemistry, 2002, 650, 43-56.	1.8	32
20	Synthesis, stability and reactivity of palladium(0) olefin complexes bearing labile or hemi-labile ancillary ligands and electron-poor olefins. Inorganica Chimica Acta, 2010, 363, 2375-2386.	2.4	32
21	Palladium (0) olefin complexes bearing purine-based N-heterocyclic carbenes and 1,3,5-triaza-7-phosphaadamantane (PTA): Synthesis, characterization and antiproliferative activity toward human ovarian cancer cell lines. Journal of Organometallic Chemistry, 2019, 899, 120857.	1.8	32
22	Chloride-Modulated Insertion Reactions of Dimethylallene across the Pdâ^'C Bond in Palladium Methyl Complexes Bearing Potentially Terdentate Pyridylthioether Ligands. Organometallics, 2003, 22, 3230-3238.	2.3	28
23	Kinetic Studies of the Oxidative Addition and Transmetallation Steps Involved in the Cross-Coupling of Alkynyl Stannanes with Aryl Iodides Catalysed byÎ·2-(Dimethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 Td (fumarate)(im 2004, 732-742.	2.0	28
24	Equilibrium studies of Î±-diimine displacement in cationic allylpalladium(II) complexes by monodentate N-donors and the mechanism of allyl amination by triethylamine and pyridine. Journal of the Chemical Society Dalton Transactions, 1994, , 3113-3118.	1.1	27
25	Mechanism of nucleophilic attack by diethylamine on cationic palladium(II) allyl complexes containing Î±-diimine ligands. Journal of the Chemical Society Dalton Transactions, 1994, , 1145-1151.	1.1	27
26	The interaction between heteroditopic pyridineâ€“nitrogen NHC with novel sulfur NHC ligands in palladium(0) derivatives: Synthesis and structural characterization of a bis-carbene palladium(0) olefin complex and formation in solution of an alkeneâ€“alkyne mixed intermediate as a consequence of the ligands hemilability. Inorganica Chimica Acta, 2012, 390, 105-118.	2.4	26
27	Kinetics and mechanism of regioselective amination of the 1-phenylallyl group in cationic palladium(II) complexes bearing bidentate ligands. Inorganica Chimica Acta, 2001, 315, 172-182.	2.4	24
28	A novel mechanism for the fluxional behaviour of [Pd(Î·2-tetramethylethylenetetracarboxylate)(2-methylthiomethylpyridine)]. Journal of Organometallic Chemistry, 2002, 642, 58-63.	1.8	22
29	Insertion of 1,1-Me2propadiene across the Pdâ€“C bond of pyridylâ€“thioether methyl complexes. A mechanistic study. Inorganica Chimica Acta, 2003, 346, 158-168.	2.4	22
30	Role of the Ligand and of the Size and Flexibility of the Palladiumâ^'Ancillary Ligand Cycle on the Reactivity of Substituted Alkynes toward Palladium(0) Complexes Bearing Potentially Terdentate Nitrogenâ^'Sulfurâ^'Nitrogen or Nitrogenâ^'Nitrogenâ^'Nitrogen Ligands:â€‰ Kinetic and Structural Study. Organometallics, 2006, 25, 5355-5365.	2.3	22
31	Palladium(II) and Palladium(0) Complexes of Pyridylthioether-Based Metallodendrimers. Synthesis, Characterization, and Mechanistic Study of the Influence of Wedge Size on Allyl Amination. Organometallics, 2002, 21, 4342-4349.	2.3	21
32	Synthesis and Mechanism of Formation of Novel NHCâ^'NAC Bis-Carbene Complexes of Gold(I). Organometallics, 2011, 30, 875-883.	2.3	21
33	Synthesis, characterization, dynamics and reactivity toward amination of Î·³-allyl palladium complexes bearing mixed ancillary ligands. evaluation of the electronic characteristics of the ligands from kinetic data. Dalton Transactions, 2011, 40, 966-981.	3.3	21
34	Synthesis and characterization of palladacyclopentadiene complexes with N-heterocyclic carbene ligands. Journal of Organometallic Chemistry, 2015, 794, 288-300.	1.8	21
35	Reactivity of cationic gold(I) carbene complexes toward oxidative addition of bromine. Inorganica Chimica Acta, 2012, 391, 141-149.	2.4	20
36	The addition of bromine and iodine to palladacyclopentadienyl complexes bearing bidentate heteroditopic Pâ^'N spectator ligands derived from differently substituted quinolinic frames. The unexpected evolution of the reaction. Dalton Transactions, 2015, 44, 15049-15058.	3.3	20

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37	The mechanism of olefin exchange in platinum(0) pyridylâ€“methanimine and pyridylâ€“thioether complexes. A kinetic study. Dalton Transactions RSC, 2002, , 3696-3704.	2.3	19
38	The role of ancillary ligands and of electron poor alkenes and alkynes in stabilizing Pd(0) derivatives: A comparative study. Journal of Organometallic Chemistry, 2009, 694, 411-419.	1.8	19
39	Mechanism of the reaction of allyl amination of Pd(II) allyl complexes containing chelating pyridineâ€“chalcogen ligands. A surprisingly low influence of the chalcogen atom. Polyhedron, 2001, 20, 3171-3181.	2.2	17
40	Synthesis of novel palladium allyl complexes bearing heteroditopic NHCâ€“S ligands. Kinetic study on the carbene exchange between bis-carbene palladium allyl complexes. Journal of Organometallic Chemistry, 2013, 732, 27-39.	1.8	17
41	Synthesis of poly(pyridylthioether) dendrimers incorporating a Fe2(CO)6 cluster core. Tetrahedron, 2005, 61, 1755-1763.	1.9	16
42	Oxidative coupling of activated alkynes with palladium(0) olefin complexes: Side production of the highly symmetric hexamethyl mellitate species under mild conditions at low alkyne/complex molar ratios. Inorganic Chemistry Communication, 2006, 9, 388-390.	3.9	14
43	Synthesis, Stability Constant Determination, and Structural Study of Some Complexes of a Zinc Triad Containing Pyridyl-amine-quinoline and Pyridyl-thio-quinoline. European Journal of Inorganic Chemistry, 2007, 2007, 3669-3680.	2.0	14
44	Mechanism of oxidative allyl transfer from allylic ammonium cations to palladium(0) Î±-diimine complexes. Journal of Organometallic Chemistry, 1996, 508, 101-108.	1.8	12
45	Unsymmetrical dendrimers with tridentate pyridylthioether coordination sites as repeating units: useful precursor for the synthesis of palladium-containing metallodendrimers. Tetrahedron, 2001, 57, 8875-8882.	1.9	12
46	The synthesis of palladacyclopentadienyl derivatives from rigid bis-alkynes and their use as precursors in the synthesis of fluoroanthene-like cycles under mild conditions. A reactivity investigation. Journal of Organometallic Chemistry, 2007, 692, 2342-2345.	1.8	12
47	Transmetalation reactions. The role of the stabilizing olefin in determining the overall reaction rate. Journal of Organometallic Chemistry, 2008, 693, 3324-3330.	1.8	12
48	Low valent palladium benzoquinone complexes bearing different spectator ligands. The versatile coordinative capability of benzoquinone. Journal of Organometallic Chemistry, 2014, 749, 379-386.	1.8	12
49	Oxidative addition of organic halides on palladium(0) complexes stabilized by dimethylfumarate and quinoline-based Nâ€“P or Nâ€“S spectator ligands. Polyhedron, 2015, 102, 94-102.	2.2	12
50	Substitution reactions between bis-chelate ligands in palladium(ii) alkenyl complexes: an unusual way to form unstable trans-P complexes. A study on the isomerization mechanism. Dalton Transactions, 2009, , 9475.	3.3	11
51	Facile synthesis and reactivity study of mixed phosphaneâ€“isocyanide Pd(II) and Pd(0) complexes. Inorganica Chimica Acta, 2011, 378, 239-249.	2.4	11
52	The unexpected case of reactions of halogens and interhalogens with halide substituted Pd(<scp>ii</scp>) Ïƒ-butadienyl complexes. Dalton Transactions, 2016, 45, 11560-11567.	3.3	11
53	Nucleophilic substitution reactions of chloro-, iodo-, and aqua(1,5-diamino-3-methyl-3-azapentane)platinum(II) cations. A new nucleophilicity scale for cationic platinum(II) complexes and a comparison of the leaving group effects of chloride and iodide. Inorganic Chemistry, 1981, 20, 2428-2431.	4.0	10
54	The formation of a metallacycloheptadienyl intermediate in the reaction of palladacyclopentadienyl derivatives with tetracyanoethylene. Journal of Organometallic Chemistry, 2007, 692, 4187-4192.	1.8	10

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55	Reactivity of N-heterocyclic carbeneâ€“pyridine palladacyclopentadiene complexes toward halogen addition. The unpredictable course of the reaction. Dalton Transactions, 2017, 46, 10399-10407.	3.3	10
56	Qualitative and quantitative discrimination of fake and true alkene rotation processes in pd(Î·2-olefin) complexes. A new bimolecular mechanism. Inorganica Chimica Acta, 2009, 362, 2715-2721.	2.4	9
57	Luminescent complexes of the zinc triad with N-substituted 8-amino-quinoline ligands: Synthesis and comparative study on the stability constants and related photophysical properties. Inorganica Chimica Acta, 2009, 362, 3925-3933.	2.4	8
58	Attack of molecular iodine to novel palladacyclopentadienyl complexes bearing isocyanides as spectator ligands. A computational and mechanistic study. Journal of Organometallic Chemistry, 2014, 770, 6-13.	1.8	8
59	Reactions of palladium(0) olefin complexes stabilized by some different hetero- and homo-ditopic spectator ligands with propargyl halides. Journal of Organometallic Chemistry, 2017, 834, 10-21.	1.8	8
60	The importance of the electronic and steric features of the ancillary ligands on the rate of cisâ€“trans isomerization of olefins coordinated to palladium(0) centre. A study involving (Z)-1,2-ditosylethene as olefin model. Polyhedron, 2019, 173, 114144.	2.2	8
61	Chemoselective oxidative addition of vinyl sulfones mediated by palladium complexes bearing picolyl-N-heterocyclic carbene ligands.. Dalton Transactions, 2020, 49, 5684-5694.	3.3	8
62	First synthesis of a palladium(0)-containing multimetallic system based on hemilabile pyridylthioether ligands. Inorganic Chemistry Communication, 1999, 2, 607-608.	3.9	7
63	Pyridine-based dendritic wedges with a specific metal ion coordination site and their palladium(II) complexes. Chemical Communications, 1999, , 959-960.	4.1	7
64	Transmetalation between Au(I) and Sn(IV) complexes. The reaction mechanism in non-coordinating and coordinating polar solvents. Inorganica Chimica Acta, 2013, 404, 105-112.	2.4	7
65	Isocyanide insertion across the Pdâ€“C bond of allenyl and propargyl palladium complexes bearing phosphoquinoline as a spectator ligand. Synthesis of a palladium complex bearing a coordinated cyclobutenyl fragment. Dalton Transactions, 2017, 46, 5210-5217.	3.3	7
66	Synthesis and reactivity toward olefin exchange and oxidative addition of some platinum(0) olefin complexes with thioquinolines as spectator ligands. Polyhedron, 2017, 129, 229-239.	2.2	6
67	Reactivity of palladium olefin complexes with heteroditopic NHCâ€“pyridine as spectator ligand toward olefin exchange. Inorganica Chimica Acta, 2014, 421, 326-334.	2.4	5
68	Novel hetero-polymetallic derivatives of palladium bearing pyridylthioether fragments incorporating a Fe2(CO)6 cluster core as ligand. Inorganic Chemistry Communication, 2005, 8, 1120-1124.	3.9	3
69	Synthesis of novel heteroditopic carbeneâ€“pyridine palladium(II) chloro vinyl complexes. Comparative reactivity of different palladium vinyl derivatives toward transmetalation with alkynyl stannane. Inorganic Chemistry Communication, 2013, 32, 74-77.	3.9	3
70	Measuring the Olefinâ€toâ€Pd(0) Bond Strength: A Kinetic Study Involving Olefin Exchange Reactions on Palladium(0) Complexes Bearing Isocyanide Ligands. Helvetica Chimica Acta, 2020, 103, e2000150.	1.6	1