

Luciano Canovese

List of Publications by Year in descending order

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70
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218677

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#	ARTICLE	IF	CITATIONS
1	Measuring the Olefin-Pd(O) Bond Strength: A Kinetic Study Involving Olefin Exchange Reactions on Palladium(O) Complexes Bearing Isocyanide Ligands. <i>Helvetica Chimica Acta</i> , 2020, 103, e2000150.	1.6	1
2	Chemoselective oxidative addition of vinyl sulfones mediated by palladium complexes bearing picolyl-N-heterocyclic carbene ligands. <i>Dalton Transactions</i> , 2020, 49, 5684-5694.	3.3	8
3	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. <i>Journal of Organometallic Chemistry</i> , 2019, 899, 120857.	1.8	32
4	The importance of the electronic and steric features of the ancillary ligands on the rate of cis-trans isomerization of olefins coordinated to palladium(O) centre. A study involving (Z)-1,2-ditosylethene as olefin model. <i>Polyhedron</i> , 2019, 173, 114144.	2.2	8
5	Palladacyclopentadienyl complexes bearing purine-based N-heterocyclic carbenes: A new class of promising antiproliferative agents against human ovarian cancer. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4902.	3.5	35
6	Synthesis of novel allyl palladium complexes bearing purine based NHC and a water soluble phosphine and their catalytic activity in the Suzuki-Miyaura coupling in water. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4034.	3.5	33
7	Synthesis of new allyl palladium complexes bearing purine-based NHC ligands with antiproliferative and proapoptotic activities on human ovarian cancer cell lines. <i>Dalton Transactions</i> , 2018, 47, 13616-13630.	3.3	56
8	Reactions of palladium(O) olefin complexes stabilized by some different hetero- and homo-ditopic spectator ligands with propargyl halides. <i>Journal of Organometallic Chemistry</i> , 2017, 834, 10-21.	1.8	8
9	Synthesis and reactivity toward olefin exchange and oxidative addition of some platinum(O) olefin complexes with thioquinolines as spectator ligands. <i>Polyhedron</i> , 2017, 129, 229-239.	2.2	6
10	Isocyanide insertion across the Pd-C bond of allenyl and propargyl palladium complexes bearing phosphoquinoline as a spectator ligand. Synthesis of a palladium complex bearing a coordinated cyclobutenyl fragment. <i>Dalton Transactions</i> , 2017, 46, 5210-5217.	3.3	7
11	Reactivity of N-heterocyclic carbene-pyridine palladacyclopentadiene complexes toward halogen addition. The unpredictable course of the reaction. <i>Dalton Transactions</i> , 2017, 46, 10399-10407.	3.3	10
12	The unexpected case of reactions of halogens and interhalogens with halide substituted Pd(η^5 -butadienyl) complexes. <i>Dalton Transactions</i> , 2016, 45, 11560-11567.	3.3	11
13	Oxidative addition of organic halides on palladium(O) complexes stabilized by dimethylfumarate and quinoline-based N-P or N-S spectator ligands. <i>Polyhedron</i> , 2015, 102, 94-102.	2.2	12
14	The addition of bromine and iodine to palladacyclopentadienyl complexes bearing bidentate heteroditopic P-N spectator ligands derived from differently substituted quinolinic frames. The unexpected evolution of the reaction. <i>Dalton Transactions</i> , 2015, 44, 15049-15058.	3.3	20
15	Synthesis and characterization of palladacyclopentadiene complexes with N-heterocyclic carbene ligands. <i>Journal of Organometallic Chemistry</i> , 2015, 794, 288-300.	1.8	21
16	Attack of molecular iodine to novel palladacyclopentadienyl complexes bearing isocyanides as spectator ligands. A computational and mechanistic study. <i>Journal of Organometallic Chemistry</i> , 2014, 770, 6-13.	1.8	8
17	Reactivity of palladium olefin complexes with heteroditopic NHC-pyridine as spectator ligand toward olefin exchange. <i>Inorganica Chimica Acta</i> , 2014, 421, 326-334.	2.4	5
18	Low valent palladium benzoquinone complexes bearing different spectator ligands. The versatile coordinative capability of benzoquinone. <i>Journal of Organometallic Chemistry</i> , 2014, 749, 379-386.	1.8	12

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19	Transmetalation between Au(I) and Sn(IV) complexes. The reaction mechanism in non-coordinating and coordinating polar solvents. <i>Inorganica Chimica Acta</i> , 2013, 404, 105-112.	2.4	7
20	Synthesis of novel palladium allyl complexes bearing heteroditopic NHC-S ligands. Kinetic study on the carbene exchange between bis-carbene palladium allyl complexes. <i>Journal of Organometallic Chemistry</i> , 2013, 732, 27-39.	1.8	17
21	Synthesis of novel heteroditopic carbene-pyridine palladium(II) chloro vinyl complexes. Comparative reactivity of different palladium vinyl derivatives toward transmetalation with alkynyl stannane. <i>Inorganic Chemistry Communication</i> , 2013, 32, 74-77.	3.9	3
22	Reactivity of cationic gold(I) carbene complexes toward oxidative addition of bromine. <i>Inorganica Chimica Acta</i> , 2012, 391, 141-149.	2.4	20
23	The interaction between heteroditopic pyridine-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 alkene-alkyne mixed intermediate as a consequence of the ligands hemilability. <i>Inorganica Chimica Acta</i> , 2012, 390, 105-118.	2.4	26
24	Synthesis and Mechanism of Formation of Novel NHC-NAC Bis-Carbene Complexes of Gold(I). <i>Organometallics</i> , 2011, 30, 875-883.	2.3	21
25	Synthesis, characterization, dynamics and reactivity toward amination of η^3 -allyl palladium complexes bearing mixed ancillary ligands. evaluation of the electronic characteristics of the ligands from kinetic data. <i>Dalton Transactions</i> , 2011, 40, 966-981.	3.3	21
26	Facile synthesis and reactivity study of mixed phosphane-isocyanide Pd(II) and Pd(0) complexes. <i>Inorganica Chimica Acta</i> , 2011, 378, 239-249.	2.4	11
27	Synthesis, stability and reactivity of palladium(0) olefin complexes bearing labile or hemi-labile ancillary ligands and electron-poor olefins. <i>Inorganica Chimica Acta</i> , 2010, 363, 2375-2386.	2.4	32
28	Qualitative and quantitative discrimination of fake and true alkene rotation processes in η^2 -olefin complexes. A new bimolecular mechanism. <i>Inorganica Chimica Acta</i> , 2009, 362, 2715-2721.	2.4	9
29	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. <i>Inorganica Chimica Acta</i> , 2009, 362, 3925-3933.	2.4	8
30	The role of ancillary ligands and of electron poor alkenes and alkynes in stabilizing Pd(0) derivatives: A comparative study. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 411-419.	1.8	19
31	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. <i>Dalton Transactions</i> , 2009, , 9475.	3.3	11
32	Transmetalation reactions. The role of the stabilizing olefin in determining the overall reaction rate. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 3324-3330.	1.8	12
33	Palladium(0)-Catalyzed Cis-Trans Alkene Isomerizations. <i>Organometallics</i> , 2008, 27, 3577-3581.	2.3	46
34	Insertion of Isocyanides across the Pd-C Bond in Alkyl or Aryl Palladium(II) Complexes Bearing Mixed Nitrogen-Sulfur and Nitrogen-Phosphorus Ancillary Ligands. The Mechanism of Reaction. <i>Organometallics</i> , 2007, 26, 5590-5601.	2.3	46
35	Synthesis, Stability Constant Determination, and Structural Study of Some Complexes of a Zinc Triad Containing Pyridyl-amine-quinoline and Pyridyl-thio-quinoline. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3669-3680.	2.0	14
36	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. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 2342-2345.	1.8	12

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37	The formation of a metallacycloheptadienyl intermediate in the reaction of palladacyclopentadienyl derivatives with tetracyanoethylene. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4187-4192.	1.8	10
38	Role of the Ligand and of the Size and Flexibility of the Palladium ^{II} Ancillary Ligand Cycle on the Reactivity of Substituted Alkynes toward Palladium(0) Complexes Bearing Potentially Tridentate Nitrogen ^{II} -Sulfur ^{II} -Nitrogen or Nitrogen ^{II} -Nitrogen ^{II} -Nitrogen Ligands: A Kinetic and Structural Study. <i>Organometallics</i> , 2006, 25, 5355-5365.	2.3	22
39	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. <i>Inorganic Chemistry Communication</i> , 2006, 9, 388-390.	3.9	14
40	Synthesis of poly(pyridylthioether) dendrimers incorporating a Fe ₂ (CO) ₆ cluster core. <i>Tetrahedron</i> , 2005, 61, 1755-1763.	1.9	16
41	Novel hetero-polymetallic derivatives of palladium bearing pyridylthioether fragments incorporating a Fe ₂ (CO) ₆ cluster core as ligand. <i>Inorganic Chemistry Communication</i> , 2005, 8, 1120-1124.	3.9	3
42	Insertion of Substituted Alkynes into the Pd ^{II} -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. <i>Organometallics</i> , 2005, 24, 3297-3308.	2.3	43
43	Attack of Substituted Alkynes on Olefin Palladium(0) Derivatives of Pyridylthioethers. The First Kinetic Study on the Mechanism of Formation of Palladacyclopentadiene Complexes. <i>Organometallics</i> , 2005, 24, 5537-5548.	2.3	42
44	Kinetic Studies of the Oxidative Addition and Transmetallation Steps Involved in the Cross-Coupling of Alkynyl Stannanes with Aryl Iodides Catalysed by 1,2-Bis(dimethylphosphino)ethane (DMEPE) or 1,2-Bis(diphenylphosphino)ethane (DPEPE). <i>Journal of Organometallic Chemistry</i> , 2004, 732-742.	2.0	28
45	Pyridylthioethers: a promising class of polydentate ligands in palladium and platinum coordination. <i>Coordination Chemistry Reviews</i> , 2004, 248, 945-954.	18.8	35
46	Insertion of 1,1-Me ₂ propadiene across the Pd ^{II} -C bond of pyridylthioether methyl complexes. A mechanistic study. <i>Inorganica Chimica Acta</i> , 2003, 346, 158-168.	2.4	22
47	Chloride-Modulated Insertion Reactions of Dimethylallene across the Pd ^{II} -C Bond in Palladium Methyl Complexes Bearing Potentially Tridentate Pyridylthioether Ligands. <i>Organometallics</i> , 2003, 22, 3230-3238.	2.3	28
48	Palladium(II) and Palladium(0) Complexes of Pyridylthioether-Based Metallodendrimers. Synthesis, Characterization, and Mechanistic Study of the Influence of Wedge Size on Allyl Amination. <i>Organometallics</i> , 2002, 21, 4342-4349.	2.3	21
49	The mechanism of olefin exchange in platinum(0) pyridylmethanimine and pyridylthioether complexes. A kinetic study. <i>Dalton Transactions RSC</i> , 2002, , 3696-3704.	2.3	19
50	A novel mechanism for the fluxional behaviour of [Pd(1,2-tetramethylethylenetetra-carboxylate)(2-methylthiomethylpyridine)]. <i>Journal of Organometallic Chemistry</i> , 2002, 642, 58-63.	1.8	22
51	The marked influence of steric and electronic properties of ancillary pyridylthioether ligands on the rate of allene insertion into the palladium ^{II} -carbon bond. <i>Journal of Organometallic Chemistry</i> , 2002, 650, 43-56.	1.8	32
52	Mechanism of the reaction of allyl amination of Pd(II) allyl complexes containing chelating pyridine ^{II} -chalcogen ligands. A surprisingly low influence of the chalcogen atom. <i>Polyhedron</i> , 2001, 20, 3171-3181.	2.2	17
53	Unsymmetrical dendrimers with tridentate pyridylthioether coordination sites as repeating units: useful precursor for the synthesis of palladium-containing metallodendrimers. <i>Tetrahedron</i> , 2001, 57, 8875-8882.	1.9	12
54	Palladium(0) ^{II} -olefin complexes with potentially tridentate nitrogen ^{II} -sulfur ligands. The role of the chelate in the olefin exchange path. <i>Journal of Organometallic Chemistry</i> , 2001, 622, 155-165.	1.8	34

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55	Kinetics and mechanism of regioselective amination of the 1-phenylallyl group in cationic palladium(II) complexes bearing bidentate ligands. <i>Inorganica Chimica Acta</i> , 2001, 315, 172-182.	2.4	24
56	Synthesis, characterization and X-ray structural determination of palladium(0) π -olefin complexes containing pyridin-thioethers as ancillary ligands. Equilibria and rates of olefin and ligand exchange. <i>Journal of Organometallic Chemistry</i> , 2000, 601, 1-15.	1.8	51
57	Remarkable, Sterically Induced Rate Enhancement in the Insertion of Allenes into Palladium σ -Methyl Bonds. <i>Organometallics</i> , 2000, 19, 1461-1463.	2.3	44
58	First synthesis of a palladium(0)-containing multimetallic system based on hemilabile pyridylthioether ligands. <i>Inorganic Chemistry Communication</i> , 1999, 2, 607-608.	3.9	7
59	Palladium(II) allyl complexes with potentially terdentate ancillary ligands. Mechanism of allyl amination by piperidine. <i>Inorganica Chimica Acta</i> , 1999, 293, 44-52.	2.4	32
60	Pyridine-based dendritic wedges with a specific metal ion coordination site and their palladium(II) complexes. <i>Chemical Communications</i> , 1999, , 959-960.	4.1	7
61	Solution Behavior and X-ray Structure of Cationic Allylpalladium(II) Complexes with Iminophosphine Ligands. Kinetics and Mechanism of Allyl Amination by Secondary Amines. <i>Organometallics</i> , 1999, 18, 1137-1147.	2.3	62
62	Novel palladium(II) allyl complexes with nitrogen-sulfur donor bidentate ligands. Mechanism of allyl amination of $[Pd(\eta^3\text{-allyl})-(N\text{-}SR)]ClO_4$ (allyl = C ₃ H ₅ ; N-SR = C ₅ H ₄ N-2-CH ₂ SR, R = C ₆ H ₅ , C ₂ H ₅) in the presence of activated olefins. X-ray structure determination and fluxional behavior. <i>Inorganica Chimica Acta</i> , 1998, 275-276, 385-394.	2.4	36
63	Palladium(II) allyl complexes with nitrogen π -sulfur bidentate ligands. Substituent effects in the mechanism of allyl amination. <i>Journal of Organometallic Chemistry</i> , 1998, 566, 61-71.	1.8	51
64	Isomer Distribution and Interconversion in Cationic Allylpalladium(II) Complexes with 2-(Iminomethyl)pyridine Ligands. <i>Organometallics</i> , 1997, 16, 384-391.	2.3	41
65	Equilibria and rates of olefin substitution in zerovalent palladium complexes containing a 2-pyridylmethanimine ligand. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 1921.	1.1	39
66	Mechanism of oxidative allyl transfer from allylic ammonium cations to palladium(0) π -diimine complexes. <i>Journal of Organometallic Chemistry</i> , 1996, 508, 101-108.	1.8	12
67	Equilibrium studies of π -diimine displacement in cationic allylpalladium(II) complexes by monodentate N-donors and the mechanism of allyl amination by triethylamine and pyridine. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 3113-3118.	1.1	27
68	Mechanism of nucleophilic attack by diethylamine on cationic palladium(II) allyl complexes containing π -diimine ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 1145-1151.	1.1	27
69	Phenylation of cationic allyl palladium(II) complexes by tetraphenylborate. Synthesis of π -diimine olefin palladium(0) complexes and mechanistic aspects. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991, , 71-79.	1.1	41
70	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. <i>Inorganic Chemistry</i> , 1981, 20, 2428-2431.	4.0	10