PUBLICATIONS

\textit{H index} = 26 (Scopus March 2019)
I.F. = impact factor; N.C. = number of citations

1) E. Alessio, \textbf{B. Milani}, G. Mestroni, M. Calligaris, P. Faleschini, W.M. Attia
Synthesis and characterization of new halogen -tetramethylene sulfoxide-ruthenium(II) and ruthenium(III) complexes; crystal structure of \textit{cis}-dichlorotetrakis(tetramethylene sulfoxide) ruthenium(II) and hydrogen \textit{trans}-bis(tetramethylene sulfoxide)tetrachlororuthenate(III)
I.F. = 1.578 N.C. = 51

2) R.S. Srivastava, \textbf{B. Milani}, E. Alessio, G. Mestroni
Novel Ru(III)-dimethyl sulfoxide catalysts for the selective oxidation of thioethers to sulfoxides with molecular oxygen
I.F. = 1.578 N.C. = 29

3) E. Alessio, \textbf{B. Milani}, M. Calligaris, N. Bresciani-Pahor
The synthesis of RuBr\textsubscript{2}(DMSO)\textsubscript{3} revisited: a mixture of Li[\textit{fac}-RuCl\textsubscript{1-3}Br\textsubscript{3-n}(DMSO)\textsubscript{3}] isomers (\textit{n}=0-3) is the reaction product
I.F. = 1.578 N.C. = 19

4) S. Geremia, L. Randaccio, G. Mestroni, \textbf{B. Milani}
Bow-step and twist conformations and stacking interactions in palladium bipyridine and phenanthroline complexes
I.F. = 2.908 N.C. = 43

5) \textbf{B. Milani}, E. Alessio, G. Mestroni, A. Sommazzi, F. Garbassi, E. Zangrando, N. Bresciani-Pahor, L. Randaccio
Synthesis and characterization of monochelated carboxylato palladium(II) complexes with nitrogen-donor chelating ligands. Crystal structures of diacetato(1,10-phenanthroline)palladium(II) and diacetato(2,9-dimethyl-1,10-phenanthroline)palladium(II)
I.F. = 2.908 N.C. = 99

6) E. Alessio, M. Bolle, \textbf{B. Milani}, G. Mestroni, P. Faleschini, S. Geremia, M. Calligaris
Carbonyl derivatives of chloride-dimethyl sulfoxide-ruthenium(III) complexes: synthesis, crystal structure and reactivity of [(DMSO)\textsubscript{2}H][\textit{trans}-RuCl\textsubscript{4}(DMSO)(CO)] and \textit{mer}, \textit{cis}-RuCl\textsubscript{3}(DMSO)\textsubscript{2}(CO).
I.F. = 3.389 N.C. = 46

7) E. Alessio, \textbf{B. Milani}, M. Bolle, G. Mestroni, P. Faleschini, F. Todone, S. Geremia, M. Calligaris
Carbonyl derivatives of chloride-dimethyl sulfoxide-ruthenium(II) complexes: synthesis, structural characterization and reactivity of Ru(CO)\textsubscript{3-x}(DMSO)\textsubscript{4-x}Cl\textsubscript{2} complexes (\textit{x}=1-3).
I.F. = 3.389 N.C. = 68
8) **B. Milani***, E. Alessio, G. Mestroni, E. Zangrando, L. Randaccio, G. Consiglio
New atropisomeric bidentate nitrogen-donor compounds as potential stereocontrollers in mild CO-styrene copolymerisation catalysed by palladium(II) salts.
I.F. = 2.908  N.C. = 56

9) **B. Milani***, L. Vicentini, A. Sommazzi, F. Garbassi, E. Chiarparin, E. Zangrando, G. Mestroni
Bis(chelated) palladium(II) complexes with a diphosphine and a dinitrogen ligand: very efficient catalyst precursors in the co- and terpolymerisation of CO and olefins.
I.F. = 2.908  N.C. = 51

10) A. Sessanta o Santi, **B. Milani**, G. Mestroni, E. Zangrando, L. Randaccio
Crystal structure of a palladium metallacyclic complex: a key-intermediate in the carbonylation of nitrobenzene to isocyanates and carbamates.
I.F. = 2.042  N.C. = 20

11) **B. Milani***, A. Anzilutti, L. Vicentini, A. Sessanta o Santi, E. Zangrando, S. Geremia, G. Mestroni
Bischelated palladium(II) complexes with nitrogen-donor chelating ligands are efficient catalyst precursors for the CO/styrene copolymerization reaction.
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12) **B. Milani***, G. Mestroni
I.F. = 1.840  N.C. = 28

13) **B. Milani***, G. Corso, E. Zangrando, L. Randaccio, G. Mestroni
Crystal structure and dynamic behavior of a new class of monocationic organometallic Pd(II) compounds with two molecules of bidentate ligands: [Pd(L-L)(N-N)(CH2NO2)][PF6] (L-L = N-N, dppp).
I.F. = 2.475  N.C. = 20

Counterion effect on CO/styrene copolymerization catalyzed by cationic palladium(II) organometallic complexes: an interionic structural and dynamic investigation based on NMR spectroscopy.
Organometallics, 1999, 18, 3061.
I.F. = 3.215  N.C. = 102

15) E. Iengo, **B. Milani**, E. Zangrando, S. Geremia, E. Alessio
Novel ruthenium building blocks for the efficient modular construction of heterobimetallic molecular squares of porphyrins.
Highly efficient catalytic system for the CO/styrene copolymerization: towards the stabilization of
the active species
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I.F. = 3.169  N.C. = 64

17) A. Sessanta o Santi, B. Milani*, E. Zangrando, G. Mestroni
Synthesis and crystal structure of a palladium metallacyclic complex: a key intermediate in the
carbonylation of azobenzene to N-phenyl urethane.
I.F. = 2.222  N.C. = 7

18) B. Milani*, F. Paronetto, E. Zangrando
Ligand driven σ,π − η3 structural rearrangements of organopalladium complexes: Their relevance to
the CO/styrene copolymerisation reaction
I.F. = 2.502  N.C. = 23

19) E. Iengo, R. Minatel, B. Milani, L. G. Marzilli, E. Alessio
Metal-mediated self-assembly of molecular squares of porphyrins rimmed with coordination
compounds
I.F. = 2.475  N.C. = 18

20) B. Milani, G. Mestroni, E. Zangrando
Structural aspects of palladium systems used as catalyst precursors in CO/olefins co- and
terpolymerisation reactions.
I.F. = 0.571  N.C. = 13

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synthesis, characterisation and reactivity with CO
Invited paper dedicated to Prof. Kees Vrieze
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22) B. Milani*, A. Scarel, G. Mestroni, S. Gladiali, R. Taras, C. Carfagna, L. Mosca
Very stable Pd(II)-(N-N) catalysts for the synthesis of high molecular weight CO/styrene
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Organometallics, 2002, 21, 1323.
I.F. = 3.215  N.C. = 47

23) A. Gsponer, B. Milani, G. Consiglio
The control of stereochemistry in the palladium-catalyzed alternating styrene/carbon monoxide
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24) A. Bastero, A. Ruiz, B. Milani*, E. Zangrando, C. Claver*
Influence of pyridine-imidazoline ligands on the reactivity of Palladium-methyl complexes with carbon monoxide.
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25) G. Consiglio, B. Milani
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Polymerisation of polar olefins promoted by organometallic cobalt complexes: free radical or coordinative process?
I.F. = 1.578  N.C. = 9

27) B. Milani*, A. Scarel, E. Zangrando, G. Mestroni, C. Carfagna, B. Binotti
Cationic palladium complexes with mono- and bidentate nitrogen-donor ligands: synthesis, characterization and reactivity in CO/styrene copolymerization reaction.
Invited paper dedicated to Prof. Pierre Braunstein.
I.F. = 1.578  N.C. = 18

Synthesis and molecular structure of nickel(II) and cobalt(III) complexes with N-Aryl-diacetyl monoxime.
I.F. = 2.482  N.C. = 11

29) B. Milani*, A. Scarel, J. Durand, G. Mestroni, R. Seraglia, C. Carfagna, B. Binotti
MALDI-TOF mass spectrometry in the study of CO/aromatic olefins terpolymers.
I.F. = 3.621  N.C. = 19

Facile synthesis of new, stable, palladium-ethyl derivatives containing nitrogen-donor ligands.
I.F. = 3.196  N.C. = 19

31) A. Scarel, B. Milani*, E. Zangrando, M. Stener, S. Furlan, G. Fronzoni, G. Mestroni, S. Gladiali, C. Carfagna, L. Mosca
Palladium complexes with 3-akyl-substitued-1,10-phenanthrolines: effect of the remote alkyl substituent on the CO/olefin copolymerization reactions.
I.F. = 3.196  N.C. = 36
32) M. Calligaris, E. Zangrando, B. Milani, A. Marson
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33) A. Bastero*, A. Ruiz, C. Claver, A. Bella, B. Milani*, B. Moreno, F. A. Jalon, B. R. Manzano
Control of polymer composition in Pd-catalyzed CO/olefin terpolymerization reaction.
I.F. = 4.632  N.C. = 11

34) A. Scarel, J. Durand, D. Franchi, E. Zangrando, G. Mestroni, S. Gladiali, C. Carfagna, B. Binotti, S. Bronco, T. Gragnoli, B. Milani*
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35) D. Sirbu, G. Consiglio, B. Milani, P. G. A. Kumar, P. Pregosin, S. Gischig
Palladium complexes with meso-bioxazoline ligands for alternating styrene/CO copolymerisation: Counterion effect.
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36) A. Scarel, J. Durand, D. Franchi, E. Zangrando, G. Mestroni, C. Carfagna, L. Mosca, R. Seraglia, G. Consiglio, B. Milani*
Mono- and dinuclear bioxazoline-palladium complexes for the stereocontrolled synthesis of CO/styrene polyketones
I.F. = 4.907  N.C. = 39

37) J. Durand, B. Milani*
The role of nitrogen-donor ligands in the palladium-catalyzed polyketones synthesis
I.F. = 8.815  N.C. = 104

38) A. Mezzetti, B. Milani*
Giambattista Consiglio’s passion for homogeneous catalysis, C-C bond formation, and stereochemistry
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I.F. = 5.015  N.C. = 43

40) J. Durand, A. Scarel, R. Seraglia, S. Gladiali, C. Carfagna, B. Binotti, B. Milani*
Palladium Promoted CO/Ethylene/Styrene Terpolymerisation Reaction: Throwing the Light on the Different Reactivity of the two Alkenes
41) A. Schätz, A. Scarel, E. Zangrando, L. Mosca, C. Carfagna, A. Gissibl, B. Milani*, O. Reiser*
High Stereocontrol and Efficiency in CO/Styrene Polyketones Synthesis Promoted by Azabis(oxazoline)-Palladium Complexes
I.F. = 3.632  N.C. = 25

42) S. D. Bergman, I. Goldberg, C. Carfagna, L. Mosca, M. Kol*, B. Milani*
Palladium Complexes Containing Large Fused Aromatic N-N Ligands as Efficient Catalysts for the CO/Styrene Copolymerization
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43) J. Durand, S. Gladiali, G. Erre, E. Zangrando, B. Milani
Palladium chemistry of 2-ferrocenyl-1,10-phenanthroline ligand
I.F. = 3.833  N.C. = 29

44) A. Scarel, M. R. Axet, F. Amoroso, F. Ragains, C. J. Elsevier, A. Holuigue, C. Carfagna, L. Mosca, B. Milani*
Subtle Balance of Steric and Electronic Effects for the Synthesis of Atactic Polyketones Catalyzed by Pd Complexes with meta-Substituted Aryl-BIAN Ligands
I.F. = 3.815  N.C. = 48

45) J. Durand, E. Zangrando, C. Carfagna, B. Milani
New atropisomeric N-N ligands for CO/vinyl arene copolymerization reaction
I.F. = 3.580  N.C. = 12

46) B. Milani*, A. M. Masdeu- Bultò
Ligand Chirality in Palladium Catalysed Polyketones Synthesis
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47) B. Milani, C. Crotti, E. Farnetti
Hydrogen transfer reduction of polyketones catalyzed by iridium complexes: a novel route towards more biocompatible materials.
I.F. = 3.580  N.C. = 10

Application of chiral amine-imine ligands in palladium-catalyzed polyketones synthesis: effect of ligand backbone on the polymer stereochemistry
I.F. = 4.204  N.C. = 19
49) F. C. Rix, M. J. Rachita, M. I. Wagner, B. Milani, J. C. Barborak, M. Brookhart
Palladium(II)-Catalyzed Copolymerization of Styrenes with Carbon Monoxide: Mechanism of
Chain Propagation and Chain Transfer
I.F. = 4.081 N.C. = 17

Synthetic strategies towards ruthenium-porphyrin conjugates for anticancer activity
I.F. = 4.081 N.C. = 45

51) C. Claver, B. Milani
Metal-catalysed polymerization
I.F. = 4.081 N.C. = 6

52) T. Gianferrara, A. Bergamo, I. Bratsos, C. Spagnul, G. Sava, B. Milani, E. Alessio
Ruthenium-porphyrin conjugates with cytotoxic and phototoxic antitumor activity
I.F. = 5.207 N.C. = 96

53) I. Favier, D. Picurelli, C. Pradel, J. Durand, B. Milani, M. Gomez
Stabilization of Pd, Pt and Ru nanoparticles by optically active CO/styrene copolymers
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Benedetti, B. Milani*
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palladium/bpy complexes. Effect of the 6-alkyl substitution
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55) L. Fanfoni, A. Meduri, E. Zangrando, S. Castillon, F. Felluga, B. Milani*
New chiral P-N ligands applied for the regio- and stereoselective Pd-catalyzed styrene dimerization
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Franciò, W. Leitner, A. D’Amora, B. Milani*
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Milani*, M. Albrecht*
Palladium Carbene Complexes for Selective Alkene Di- and Oligomerization
I.F. = 4.145 N.C. = 42
58) A. Meduri, D. Cozzula, A. D’Amora, E. Zangrando, S. Gladiali, B. Milani*
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I.F. = 3.806, N.C. = 9

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60) A. Meduri, T. Montini, F. Ragaini, P. Fornasiero, E. Zangrando, B. Milani*
Pd-catalyzed ethylene/methyl acrylate cooligomerization: effect of a new nonsymmetric α-diimine
I.F. = 5.044, N.C. = 23

61) F. Amoroso, E. Zangrando, C. Carfagna, C. Muller, D. Vogt, M. Hagar, F. Ragaini*, B. Milani*
Catalyst activity or stability: the dilemma in Pd-catalyzed polyketone synthesis
I.F. = 4.097, N.C. = 19

62) V. Rosar, A. Meduri, T. Montini, F. Fini, C. Carfagna, P. Fornasiero, G. Balducci, E. Zangrando, B. Milani*
Analogies and differences in palladium-catalyzed CO/styrene and ethylene/methyl acrylate copolymerization reactions
ChemCatChem, 2014, 6, 2403-2418
I.F. = 4.556, N.C. = 15

63) A. Tognon, V. Rosar, N. Demitri, T. Montini, F. Felluga, B. Milani*
Coordination chemistry to palladium(II) of pyridylbenzamidine ligands and the related reactivity with ethylene
I.F. = 1.918, N.C. = 4

64) R. M. Drost, V. Rosar, S. Dalla Marta, M. Lutz, N. Demitri, B. Milani, B. De Bruin, C. J. Elsevier*
Pd-Catalyzed Z-Selective Semihydrogenation of Alkynes: Determining the Type of Active Species
I.F. = 4.724, N.C. = 14

65) G. Canil, V. Rosar, S. Dalla Marta, S. Bronco, F. Fini, C. Carfagna, J. Durand*, B. Milani*
Unprecedented comonomer dependence of the stereochemistry control in Pd-catalyzed CO/vinyl arene polyketone synthesis
I.F. = 4.724, N.C. = 6

66) F. Battistin, G. Balducci, N. Demitri, E. Iengo, B. Milani*, E. Alessio*
$^{15}$N NMR spectroscopy unambiguously establishes the coordination mode of the diimine linker 2-(2’-pyridyl)pyrimidine-4-carboxylic acid (cppH) in Ru(II) complexes
I.F. = 4.177, N.C. = 4

67) V. Rosar, D. Dedeic, T. Nobile, F. Fini, G. Balducci, E. Alessio, C. Carfagna, B. Milani*
Palladium complexes with simple iminopyridines as catalysts for polyketone synthesis
I.F. = 4.177, N.C. = 5

68) M. Beltrani, C. Carfagna*, B. Milani, R. Mancuso, B. Gabriele, F. Fini*
Oxidative Alkoxycarbonylation of alkynes by means of aryl a-diimine palladium(II) complexes as catalysts
VIP paper
The cover of the issue is dedicated to this paper.
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69) P. Wojcik, V. Rosar, A. Gniewek, B. Milani, A. Trzeciak*
In situ generated Pd(0) nanoparticles stabilized by bis(aryl)acenaphthenequinone diimines as catalysts for aminocarbonylation reactions in water
I.F. = 3.958, N.C. = 3

70) B. Milani, G. Licini, E. Clot, M. Albrecht
Small molecule activation
Dalton Transaction, 2016, 45, 14419-14420.
I.F. = 4.177, N.C. = 5

71) V. Rosar, T. Montini, G. Balducci, E. Zangrando, P. Fornasiero, B. Milani*
Palladium-catalyzed ethylene/methyl acrylate cooligomerization: the effect of a new nonsymmetrical $\alpha$-diimine with the 1,4-diazabutadiene skeleton
I.F. = 4.803, N.C. = 4

72) V. Rosar, A. Meduri, T. Montini, P. Fornasiero, E. Zangrando,* B. Milani*
The contradictory effect of the methoxy-substituent in palladium-catalyzed ethylene/methyl acrylate copolymerization
Dalton Transaction, 2018, 47, 2778-2790.
I.F. = 4.099, N.C. = 3

73) F. Battistin, G. Balducci, B. Milani, E. Alessio*
Water-soluble ruthenium(II) carbonyls with 1,3,5-triaza-7-phosphoadamantane
I.F. = 4.700, N.C. = 1

74) M. Navarro, V. Rosar, T. Montini, B. Milani*, M. Albrecht*
Olefin dimerization and isomerization catalyzed by pyridylideneamide palladium complexes
Organometallics, 2018, 37, 3619-3630.
I.F. = 4.051, N.C. = 0
Palladium Alkyl Complexes with a Formazanate Ligand: Synthesis, Structure and Reactivity
Dalton Transactions, 2018, 47, 14445-14451.
I.F. = 4.099, N.C. = 1
La back cover della rivista è dedicata a questa pubblicazione.

PUBLICATIONS ON NON INDEXED JOURNALS
1) E. Alessio, B. Milani, M. Bolle, G. Mestroni, P. Faleschini, F. Todone, M. Calligaris, S. Geremia
New carbonyl derivatives of chloride-dimethyl sulfoxide-ruthenium(III) and ruthenium(II) complexes.

2) B. Milani, L. Vicentini, A. Sommazzi, F. Garbassi, E. Chiarparin, E. Zanrando, G. Mestroni
Bischelated palladium(II) complexes with a diphosphine and a chelating dinitrogen ligand: very efficient catalyst precursors in the CO-olefins co- and terpolymerisation reactions.

3) N. Furlan, G. Fontolan, L. Sartore, B. Milani, R. Mosca, S. Meriani
Caratterizzazione chimico-fisico dei sedimenti del porto di Trieste e problematiche derivanti dall’eventuale dragaggio e smaltimento a mare
INDUSTRIAL PATENTS

1) A. Sommazzi, F. Garbassi, G. Mestroni, **B. Milani**
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2) **B. Milani**, G. Mestroni, A. Sommazzi, F. Garbassi
Procedimento per la preparazione di copolimeri a base di ossido di carbonio ed almeno un composto avente un'insaturazione alchenilica
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3) A. Sommazzi, F. Garbassi, G. Mestroni, **B. Milani**, L. Vicentini,
Procedimento migliorato per la preparazione di copolimeri a base di ossido di carbonio ed almeno un composto contenente un'insaturazione alchenilica

4) A. Sommazzi, F. Garbassi, G. Mestroni, **B. Milani**, L. Vicentini
Procedimento migliorato per la preparazione di copolimeri a base di ossido di carbonio ed almeno un composto contenente un'insaturazione alchenilica

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6) A. Sommazzi, **B. Milani**, A. Proto, G. Corso, G. Mestroni, F. Masi,
Nuovi complessi metallici utilizzabili nella catalisi per la (co)polimerizzazione delle alfa-olefine

Leganti tridentati e loro complessi con metalli di transizione.

CURATELE

1) E. Alessio, E. Iengo, B. Milani
INVITED LECTURES at UNIVERSITIES & COMPANIES

1) B. Milani
Pd(II) complexes with bidentate nitrogen-donor chelating ligands: very versatile and active catalyst precursors for the CO/olefin co- and terpolymerisation reactions
Shell International (invited by Dr. Pim Mul)
Amsterdam March 1999

2) B. Milani
Pd(II) complexes with bidentate nitrogen-donor chelating ligands: very versatile and active catalyst precursors for the CO/olefin co- and terpolymerisation reactions
University of Amsterdam (invited by Prof. Dr. Kees Elsevier)
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3) B. Milani
CO/olefin co- and terpolymerisation reactions promoted by Pd(II) complexes: effect of the ancillary ligand.
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4) B. Milani
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Padova March 2001

5) B. Milani
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Zürich May 2002

6) B. Milani
From Natta to nowadays: 50 years of catalysis for polymerization
University of Urbino (invited by Dr. Carla Carfagna)
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7) B. Milani
Control of productivity, molecular weight and stereochemistry in Pd-catalysed synthesis of polyketones
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Amsterdam October 2003

8) B. Milani
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Eindhoven University of Technology (invited by Prof. Dr. Dieter Vogt)
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9) B. Milani
From ligands to polymers: adventures in palladium-catalyzed polymerization reactions
University Paul Sabatier of Tolosa (invited by Prof. Dr. Montserrat Gomez)
Toulouse (France) May 2005

10) B. Milani
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12) B. Milani
Il controllo della stabilità del catalizzatore e della stereo chimica dei polimeri nelle reazioni di copolimerizzazione CO/olefine catalizzate da complessi di palladio
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13) B. Milani
Polimerizzazione catalitica stereocontrollata: la sintesi dei polichetoni CO/olefina
Università di Padova (invited by Prof. Giulia Licini)
Padova June 2007

14) B. Milani
Recent Developments in Palladium-Catalyzed Polyketones Synthesis
NanoConfiCat Meeting Università Paul Sabatier di Tolosa (invito del Prof. Philippe Serp)
Tolosa (Francia) Marzo 2008

15) B. Milani
From ligands to polymers in Pd-catalyzed polyketones synthesis: shedding light on catalyst stability and polymer structure
Universitat Rovira I Virgili (invited by Prof. Carmen Claver)
Tarragona (Spain) October 2008

16) B. Milani
From ligands to polymers in Pd-catalyzed polyketones synthesis: shedding light on catalyst stability and polymer structure
University of Zaragoza (invited by Prof. Luis Oro)
Zaragoza (Spain) October 2008

17) B. Milani
Pd-catalyzed carbonylation reactions: how subtle changes in the ligand electronic properties can induce large effects
University of Fribourg (invited by Prof. Martin Albrecht)
Fribourg (Switzerland) June 2009
18) B. Milani
Pd-catalyzed carbonylation reactions: how subtle changes in the ligand electronic properties can induce large effects
ETH - Zürich (invited by Prof. Antonio Mezzetti)
Zürich (Switzerland) June 2009

19) B. Milani
Pd-catalyzed carbonylation reactions: how subtle changes in the ligand electronic properties can induce large effects
Università di Sassari (invited by Prof. Serafino Gladiali)
Sassari (Italy) March 2010

20) B. Milani
Pd-catalyzed carbonylation reactions: how subtle changes in the ligand electronic properties can induce large effects
ENSIACET (invited by Prof. Philippe Serp)
Toulouse (France) October 2010

21) B. Milani
Pd-catalyzed oligo- and polymerization reactions: large effects induced by a subtle unbalance of the chelating ancillary ligands
University of Amsterdam (invited by Prof. Kees Elsevier)
Amsterdam (The Netherlands) September 2011

22) B. Milani
Pd-catalyzed oligo- and polymerization reactions: large effects induced by a subtle unbalance of the chelating ancillary ligands
DSM (invited by Prof. Hans de Vries)
Geelen (The Netherlands) September 2011

23) B. Milani
Towards sustainable catalysts for precision polymerization
University Rovira i Virgili (ERASMUS Teaching Staff Mobility)
Tarragona (Spain) March 2012

24) B. Milani
Towards sustainable catalysts for tailored-made polymers
BASF (invited by Ivette Garcia-Castro)
Ludwigshafen (Germany) June 2012

25) B. Milani
Towards sustainable catalysts for tailored-made polymers
University College Dublin (invited by Prof. Martin Albrecht)
Dublin (Ireland) October 2012

26) B. Milani
Towards sustainable catalysts for tailored-made polymers
SABIC (invited by Dr. Rob Duchateau)
Geleen (The Netherlands) February 2013

27) B. Milani
New nonsymmetric α-diimines as ligand of Pd-catalyzed copolymerization reactions
University of Konstanz (invited by Prof. Stefan Mecking)
Konstanz (Germany) June 2013

28) B. Milani
Frontiers in catalysis for controlled polymerization
University of Padova (invited by board of PhD School)
Padova (Italy) June 2013

29) B. Milani
Catalytic ethylene/acrylic ester copolymerization: a challenging reaction
Universitat Rovira i Virgili (invited by Prof. Elena Fernandez)
Tarragona (Spain) April 2014

30) B. Milani
Catalytic ethylene/acrylic ester copolymerization: a challenging reaction
University Pierre et Marie Curie (invited by Prof. Giovanni Poli)
Paris (France) May 2014

31) B. Milani
Catalysis for controlled polymerization
University of Lille (invited by Prof. Mathieu Sauthier)
Lille (France) May 2014

32) B. Milani
Catalysis for controlled polymerization
University of Pierre et Marie Curie (invited by Prof. Laurent Boutellier)
Ivry sur Seine (France) June 2014

33) B. Milani
Catalytic ethylene/acrylic ester copolymerization: a challenging reaction
University of Amsterdam (invited by Prof. Kees Elsèvier)
Amsterdam (The Netherlands) October 2014

34) B. Milani
Catalytic ethylene/acrylic ester copolymerization: a challenging reaction
University of Salerno (invited by Prof. Claudio Pellecchia)
Salerno (Italy) June 2015

35) B. Milani
Catalytic ethylene/acrylic ester copolymerization: a challenging reaction
University of Salerno (invited by Prof. Claudio Pellecchia)
Salerno (Italy) June 2015

36) B. Milani
Pd-catalyzed polyketone synthesis: unprecedented comonomer control on the polymer stereochemistry
Tecnico Lisboa (invited by Prof. Pedro Gomez)
37) **B. Milani**
Pyridyl imines: versatile ligands for palladium-catalyzed polymerization reactions
Universitat Rovira I Virgili (invited by Prof. Elena Fernandez)
Tarragona (Spain)  March 2017

38) **B. Milani**
Ligand desymmetrization: a powerful strategy in catalysis for polymerization
University of Bern (invited by Prof. Martin Albrecht)
Bern (Switzerland)  March 2019

39) **B. Milani**
Ligand desymmetrization: a powerful strategy in catalysis for polymerization
Università Rovira i Virgili (invited by Dr. Cyril Godard)
Tarragona (Spain)  April 2019
INVITED LECTURES at CONFERENCES

1) **B. Milani**, G. Mestroni
Pd(II) complexes with nitrogen-donor chelating ligands as catalyst precursors in the CO/olefin copolymerization reactions.
XV Meeting of Croatian Chemists and Chemical Engineers
Abbazia (CRO), 24 - 26 March 1997
Book of abstracts pg. 19; P-10.

2) **B. Milani**, A. Marson, E. Zangrando, G. Mestroni
CO/olefins copolymerisation reactions promoted by Pd(II)-(N-N) complexes: a mechanistic investigation
6th FIGIPS Meeting in Inorganic Chemistry
Barcellona (Spain), 15-20 July 2001
**Session Lecture**
Book of abstracts SL.06.1

3) **B. Milani**
New catalysts for copolymerisation of olefins and polar monomers
Worshop Meeting of the COST Action D17

4) **B. Milani**
Palladium and nitrogen-donor ligands: a good combination for the synthesis of CO/aromatic olefin polyketones
13th International Symposium on Homogeneous Catalysis
Tarragona (Spain), 3-7 September 2002
**Keynote Lecture**

5) **B. Milani**
Control of productivity, molecular weight and stereochemistry in Pd-catalysed synthesis of polyketones
XVth FECHEM Conference on Organometallics Chemistry
Zürich (Switzerland), 10 – 15 August 2003
**Invited Lecture**
Book of abstracts IL22.

6) **B. Milani**
The Pivotal role of solvent in palladium-catalyzed polymerization reactions.
XXXVI International Conference on Coordination Chemistry
Merida (Mexico), 18 – 23 July 2004
**Session Lecture**
Book of abstracts SL 3.06.

7) **B. Milani**
On the way towards high performing catalysts for the stereocontrolled Pd-promoted polymerization reactions.
2nd Working group meeting – COST Action D29
Regensburg (Germania), 8 – 9 June 2005

8) **B. Milani**
Control of stereochemistry in palladium catalyzed polymer synthesis
COST-Action D40 – 1st meeting
Dublin (Ireland), 20 – 22 Maggio 2007

9) B. Milani
Recent developments in Pd-catalyzed polyketone synthesis
COST-Action D40 – 2nd meeting
Tarragona (Spain), 20 – 22 May 2008

10) B. Milani
Ligand symmetry and polymer tacticity in Pd-catalyzed stereocontrolled polyketone synthesis
4th EuCheMS Conference on Nitrogen Ligands
Garmisch-Partenkirchen (Germany), 24 – 28 August 2008
Session Lecture
Book of abstracts SL19

11) B. Milani
Effect of 6-alkyl-substituted 2,2’-bipyridines in Pd-catalyzed styrene carbonylation: shifting the selectivity from polyketones to oligoketones
COST-Action D40 – 3rd meeting
Turku (Finland), 25 – 28 May 2009

12) B. Milani
Pd-catalyzed oligo- and polymerization reactions: how subtle changes in the ligand properties can induce large effects
International Symposium on Homogeneous Catalysis
Invited Lecturer
Poznan (Poland), 4 – 9 July 2010
Book of abstracts IL11

13) B. Milani
Phenanthrolines and bipyridines: versatile ligands for homogeneous catalysis
“Homogeneous Catalysis in a Changing World” Symposium in the honour of Serafino Gladiali
Invited Lecturer
Sassari (Italy), 30 May 2011

14) B. Milani
Palladium complexes with N-donor ligands as homogeneous catalysts for controlled polymerizations
“Giving wings to homogeneous catalysts” Symposium in the honour of Piet van Leeuwen
Invited Lecturer
Tarragona (Spain), 3rd February 2012

15) B. Milani
Frontiers in catalysis for controlled polymerization
EFCATS Summer School - 2012
Invited Lecturer
Pallanza (Italy), September 11th-15th 2012

16) B. Milani
Palladium catalyzed CO/vinyl arene and ethylene/acrylate copolymerizations: analogies and differences
XLI National Conference of the Inorganic Chemistry Division of the Italian Chemical Society
Keynote Lecturer
Parma (Italy), September 3rd-6th 2013

17) **B. Milani**
Pyridylimines: versatile ligands for palladium-catalyzed polymerization reactions
COST-Action CM1205 – 4th meeting
Ljubljana (Slovenia), 21 – 23 March 2016

18) **B. Milani**
Pyridylimines: versatile ligands for palladium-catalyzed polymerization reactions
XII Congresso del Gruppo Interdivisionale di Chimica Organometallica Co.G.I.C.O 2016
Keynote Lecturer
Genova (Italy), 5 – 8 June 2016