



DIPARTIMENTO DI CHIMICA «G. CIAMICIAN»

LIST OF PUBLICATIONS/PATENTS/CHAPTERS (1999 - Feb. 2023)

149. "Catalyst and Additive-free Electrochemical CO₂ Fixation into Morita-Baylis-Hillman Acetates"
A. Brunetti, G. Bertuzzi,* **M. Bandini***
submitted [[link](#)]
148. "Graphene-Oxide Mediated Chemodivergent Ring-Opening of Cyclobutanols"
A. Brunetti, A. Pintus, L. Lombardi, A. Kovtun, F. Mascietti, F. Bruno, E. Ravera, M. Melucci, G. Bertuzzi,* **M. Bandini***
Chin. J. Chem. accepted [[link](#)]
147. "Electroreductive C(sp³)-H Functionalization of Ethers via Hydrogen-Atom Transfer"
L. Rapisarda, A. Fermi,* P. Ceroni, R. Giovanelli, G. Bertuzzi,* **M. Bandini***
submitted [[link](#)]
146. "Direct Synthesis of α -Aryl- α -Trifluoromethyl Alcohols via Nickel Catalyzed Cross-Electrophile Coupling"
L. Lombardi, A. Cerveri, R. Giovanelli, M. Castiñeira Reis, C. Silva López,* G. Bertuzzi,* **M. Bandini***
Angew. Chem. Int. Ed. **2022**, e202211732 [[link](#)]
145. "Recyclable GO-Arginine hybrids for CO₂ fixation into cyclic carbonates"
A. Pintus, S. Mantovani, A. Kovtun, G. Bertuzzi, M. Melucci,* **M. Bandini***
Chem. Eur. J. **2022**, 29, e202202440. [[link](#)]
144. "Regio- and Stereoselective Electrochemical Alkylation of Morita-Baylis-Hillman Adducts"
G. Bertuzzi,* G. Ombrosi, **M. Bandini***
Org. Lett. **2022**, 24, 4354–4359 [[link](#)]
143. "Convenient synthesis of polycyclic N(1)-C(2)-fused oxazino-indolones via [Au(I)] catalyzed hydrocarboxylation of allenes"
R. Pedrazzani, E. Pinosa, G. Bertuzzi, M. Monari,* S. Lauzon, T. Ollevier,* **M. Bandini***
Chem. Commun. **2022**, 58, 8698-8701. [[link](#)]
142. "Merging C-C s-Bond Activation of Cyclobutanones with CO₂ Fixation via Ni-Catalysis"
L. Lombardi, A. Cerveri, L. Ceccon, R. Pedrazzani, M. Monari, G. Bertuzzi,* **M. Bandini***
Chem. Commun. **2022**, 58, 4071-4074. [[link](#)]
141. "Visible-Light Assisted Covalent Surface Modification of rGO nanosheets with Aryl Azasulfones"
L. Lombardi, A. Kovtun, S. Mantovani, G. Bertuzzi, L. Favaretto, C. Bettini, V. Palermo, M. Melucci,* **M. Bandini***
Chem. Eur. J. **2002**, e202200333. [[link](#)]
140. "Visible Light-Driven, Gold(I) Catalyzed Preparation of Symmetrical (Hetero)biaryls by Homocoupling of Arylazo" Sulfones"
L. Di Terlizzi, S. Scaringi, C. Raviola, R. Pedrazzani, M. Bandini, M. Fagnoni, S. Protti*
J. Org. Chem. **2022**, 87, 4863–4872. [[link](#)]



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139. "Visible light assisted synthesis of allylic-triflamides via dual acridinium/Co catalysis"
S. Battaglioli, G. Bertuzzi, R. Pedrazzani, J. Benetti, G. Valenti, M. Montalti, M. Monari, **M. Bandini***
Adv. Synth. Catal. **2022**, *364*, 720-725, **VIP paper**. [[link](#)]
138. "New Ni@rGO Nanocomposites as Heterogenous Catalysts for Thiocarboxylation Cross-Coupling Reactions"
L. Lombardi, R. Mazzaro, M. Gazzano, A. Kovtun, V. Morandi, G. Bertuzzi, **M. Bandini***
Synthesis, **2022**, *54*, 1633-1642. [[link](#)]
137. "New Fine-Tunable P_n/T_n-ImPy gold complexes: synthesis, characterization and application in dearomatization reactions"
R. Pedrazzani, A. Pintus, R. De Ventura, M. Marchini, P. Ceroni, M. Monari* and **M. Bandini***
ACS Org. Inorg. Au, **2022**, *2*, 229-235. [[link](#)]
136. "La catalisi organica asimmetrica: Il NOBEL per LA CHIMICA 2021 premia la Sintesi Semplice, Selettiva e Sostenibile"
M. Bandini,* M. Benaglia*
La Chimica e L'Industria **2021**, *6*, 12-17. [[link](#)]
135. "Tandem functionalization-carboxylation reactions of π -systems with CO₂"
G. Bertuzzi,* A. Cerveri, L. Lombardi, **M. Bandini***
Chinese Journal of Chemistry, **2021**, *39*, 3116-3126. [[link](#)]
132. "Enantioselective Tandem Heck-Coupling/CO₂ Carboxylation Catalyzed by Nickel"
A. Cerveri, R. Giovanelli, D. Sella, R. Pedrazzani, M. Monari, O. Nieto Faza, C. Silva López,* **M. Bandini***
Chem.Eur.J. **2021**, *27*, 7657-7662. [[link](#)]
131. "Visible-light photoredox catalyzed dehydrogenative synthesis of allylic carboxylates from styrenes"
Y. Liu, S. Battaglioli, L. Lombardi, A. Menichetti, G. Valenti, M. Montalti, **M. Bandini***
Org.Lett. **2021**, *23*, 4441-4446. [[link](#)]
130. "New Chiral Binol-based Phosphates for Enantioselective [Au(I)]-catalyzed Dearomatization of b-Naphthols with Allenamides"
R. Pedrazzani, J. An, M. Monari, **M. Bandini***
Eur.J.Org.Chem **2021**, 1732-1736. [[link](#)]
129. "The New Dimension of Graphene-oxide as a Mediator in Organic Synthesis: a mechanistic focus",
L. Lombardi, **M. Bandini***
Angewandte Chemie, Angew. Chem., In. Ed. **2020**, *59*, 20767-2078 [[link](#)]; *Angewandte Chemie*, **2020**, *132*, 20951-20962. [[link](#)]
128. "Site-selective Synthesis of 1,3-Dioxin-3-ones via a Gold(I) Catalyzed Cascade Reaction",
J. An, R. Pedrazzani, M. Monari, M. Marin-Luna, C. Silva Lopez,* **M. Bandini***
Chem. Commun. **2020**, *56*, 7734-7737. **CHEMCOMMUN HOT** [[link](#)].
127. "Recent advances in the catalytic dearomatization of naphthols",
J. An, **M. Bandini***, *Eur.J.Org.Chem.* **2020**, 4087-4097. **VIP** [[link](#)]



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126. "Graphene Oxide promoted Allylic Dearomatization of Indoles with Alcohols via covalent grafting on GO surface"

L. Lombardi, D. Bellini, A. Bottoni, M. Calvaresi, M. Monari, A. Kovtun, V. Palermo, M. Melucci, **M. Bandini***, *Chem.Eur.J.* **2020**, *26*, 10427-10432. **HOT PAPER** [[link](#)].

125. "Recent advances in the catalytic functionalization of "electrophilic" indoles",

A. Cerveri, **M. Bandini***

Chin.J.Chem. **2020**, *38*, 287-294. [[link](#)]

124. " Redox-neutral Metal-free Three-component Carbonylative Dearomatization of Pyridine Derivatives with CO₂"

A. Cerveri, S. Pace, M. Monari, M. Lombardo,* **M. Bandini***

Chem.Eur.J. **2019**, *25*, 15272-15276. [[link](#)]

123. "Visible-Light Driven Synthesis of 1,3,4-Trisubstituted Pyrroles from Arylazides"

A. Parodi, S. Battaglioli, Y. Liu, A. Parodi, S. Battaglioli, M. Monari, S. Protti, **M. Bandini***
Submitted.

122. ""Scandium Catalysed Stereoselective Thio-allylation of Allenyl-Imidates"

A. Parodi, S. Battaglioli, Y. Liu, M. Monari, M. Marín-Luna, C. Silva López,* **M. Bandini***

Chem.Commun, **2019**, *55*, 9669-9672. [[link](#)]

121. "Phosphine-catalyzed stereoselective dearomatization of 3-NO₂-indoles with allenates"

A. Cerveri, O. Nieto Faza, C. Silva López,* S. Grilli, M. Monari, **M. Bandini***

J. Org. Chem. **2019**, *84*, 6347-6355. [[link](#)]

120. "Nickel catalyzed functionalization of allenes"

Y. Liu, **M. Bandini***

Chin. J. Chem. **2019**, *37*, 431-441. [[link](#)]

119. "PPh₃AuTFA "dual-catalysis" in the dearomatization of 2-naphthols with allenamides"

J. An, L. Lombardi, S. Grilli, **M. Bandini***

Org. Lett. **2018**, *20*, 7380-7383.

118. "Gold catalyzed dearomatization reactions", J. An, M. Bandini*

CHIMIA **2018**, *72*, 610-613.

117. "Nickel Catalyzed Regio- and Stereoselective Functionalization of Allenamides via Coupling Reactions. An Experimental and Computational Study"

Y. Liu, A. Cerveri, A. De Nisi, M. Monari, O. Nieto Faza, C. Silva Lopez,* **M. Bandini***

Org. Chem. Front. **2018**, *5*, 3231-3239.

116. "Regio and Stereoselective Nickel Catalyzed Coupling of Boronic Acids with Allenates"

Y. Liu, M. Daka, **M. Bandini***

Synthesis **2018**, *50*, 3187-3196 (invitation Special Cluster Issue **Modern Coupling Approaches and their Strategic Applications in Synthesis**).

115. "Graphene oxide promotes site-selective allylic alkylation of thiophenes with alcohols"



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L. Favaretto, J. An, M. Sambo, A. De Nisi, C. Bettini, M. Melucci, A. Kovtun, A. Liscio, V. Palermo, A. Bottoni, F. Zerbetto, M. Calvaresi, **M. Bandini***,

Org. Lett. **2018**, *20*, 3705-3709; Highlighted in *Synfacts* **2018**, *14*, 991

114. "Covalent or Non-Covalent? A Mechanistic Insight into the Enantioselective Brønsted Acid Catalyzed Dearomatization of Indoles with Allenamides"

P. Giacinto, A. Garelli, A. Bottoni, G.P. Miscione,* **M. Bandini***

ChemCatChem, **2018**, *10*, 17473-17477.

113. "Gold-Catalyzed Dearomatization of 2-Naphthols with Alkynes"

J. An, A. Parodi, M. Monari, M. Castiñeira Reis, C. Silva Lopez,* **M. Bandini***

Chem. Eur. J. **2017**, *23*, 17473-17477. [[link](#)]

112. "Photocatalyst-free, visible light driven, gold promoted Suzuki synthesis of (hetero)biaryls"

C. Sauer, Y. Liu, A. De Nisi, S. Protti,* M. Fagnoni, **M. Bandini***

ChemCatChem. **2017**, *9*, 4456-4459. [[link](#)]

111. "Inverting classic reactivity of allenamides through Ni-catalyzed bi- and tri-component cross-coupling/allylation reaction sequence"

Y. Liu, A. De Nisi, A. Cerveri, M. Monari and **M. Bandini***

Org. Lett. **2017**, *19*, 5034-5037. [[link](#)]

110. "Convenient Metal-Free Catalyzed One-pot Synthesis of Allenyl-indoles"

A. De Nisi, S. Sierra, M. Ferrara, M. Monani, **M. Bandini***

Org. Chem. Front., **2017**, *4*, 1849-1853. [[link](#)]

109. "Unveiling the reaction machinery of the [Au(I)]-catalyzed synthesis of substituted acenes via [1,5]-H shift cascade reaction"

M. Bandini*, G. Cera, G.P. Miscione*

ChemCatChem **2017**, *9*, 316-327. [[link](#)]

108. "Catalytic α -allylation of enones with alcohols via [Au(I)]-mediated [3,3]-sigmatropic rearrangement of propargylic carboxylates"

E. Manoni, M. Daka, M. M. Mastandrea, A. De Nisi, M. Monari, **M. Bandini***

Adv. Synth. Catal. **2016**, *358*, 1404-1409 (special issue "Gold Catalysis: Quo Vadis?", on invitation). [[link](#)]

Selected as a 'VIP' article by the Editorial Board.

107. "Gold-catalyzed allylation reactions"

A. Quintavalla, **M. Bandini***

ChemCatChem **2016**, *8*, 1437-1453 (MicroReview on invitation). [[link](#)]

106. "New Opportunities in the Stereoselective Dearomatization of Indoles"

E. Manoni, A. De Nisi, **M. Bandini***

Pure & Appl. Chem. **2016**, *88*, 207-214 (special issue XIX ESOC-15, on invitation). [[link](#)]

105. "New alkynyl-gold(I) complexes featuring anti-cancer activity"

A. De Nisi, C. Bergamini, M. Leonzio, G. Sartor, R. Fato, M. Monari,* N. Calonghi,* **M. Bandini***

Dalton Transactions **2016**, *45*, 1546-1553. [[link](#)]



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104. "Au(I)-assisted alpha Allylation of Enals and Enones with Alcohols"
M. M. Mastandrea, N. Mellonei, P. Giacinto, A. Collado, S. P. Nolan, G. P. Miscione, A. Bottoni, **M. Bandini***
Angew. Chem. Int. Ed. **2015**, *54*, 14885-14889; [*Angew. Chem.* **2015**, *127*, 15098-15102]. [[link](#)]
103. "Gold(I)-dearomative [2+2]-Cycloaddition of Indoles with Activated Allenes. A Combined Experimental Computational Study"
R. Ocello, A. De Nisi, M. Jia, Q.-Q. Yang, P. Giacinto, A. Bottoni, G.P. Miscione,* **M. Bandini***
Chem. Eur. J. **2015**, *21*, 18445-18453. [[link](#)]
102. "Visible light-induced direct photocatalytic carboxylation of indoles with CBr₄/MeOH"
Q.-Q. Yang, M. Marchini, W.-J. Xiao, P. Ceroni,* **M. Bandini***
Chem. Eur. J. **2015**, *21*, 18052-18056. [[link](#)]
101. "Assessing the Role of Counterion in Gold Catalyzed Dearomatization of Indoles with Allenamides by NMR Studies"
L. Rocchigiani, M. Jia, **M. Bandini,*** A. Macchioni*
ACS Catalysis **2015**, *5*, 3911-3915. [[link](#)]
100. "A DFT mechanistic investigation of the gold(I) catalyzed synthesis of azepino[1,2-a]indoles"
P. Giacinto, G. Cera, A. Bottoni, **M. Bandini,*** G. P. Miscione*
ChemCatChem **2015**, *7*, 2480–2484.
[Selected as a 'VIP' article by the Editorial Board.](#) [[link](#)]
99. "Counterion effects in homogeneous gold catalysis"
M. Jia, **M. Bandini***
ACS Catalysis **2015**, *5*, 1638-1652. [[link](#)]
98. "Organocatalytic enantioselective synthesis of 1-vinyltetrahydroisoquinolines through allenamide activation with chiral Brønsted acids"
E. Manoni, A. Gualandi, L. Mengozzi, M. Bandini, P. G. Cozzi*
RSC Adv. **2015**, *5*, 10546-10550. [[link](#)]
97. "Enantioselective Gold Catalyzed Dearomative [2+2]-Cycloaddition between Indoles and Allenamides"
M. Jia, M. Monari, Q.-Q. Yang, **M. Bandini***
Chem. Commun. **2015**, *51*, 2320-2323. [[link](#)]
96. "Metal-free enantioselective electrophilic activation of allenamides: stereoselective de-aromatization of indoles"
C. Romano, M. Jia, M. Monari, E. Manoni, **M. Bandini***
Angew. Chem. Int. Ed. **2014**, *53*, 13854-13857; [*Angew. Chem.* **2014**, *126*, 14074-14077]. [[link](#)]
95. "Taming [Au(I)]-counterion interplay in the de-aromatization of indoles with allenamides"
M. Jia, G. Cera, D. Perrotta, **M. Bandini***
Chem. Eur. J. **2014**, *20*, 9875-9878. [[link](#)]
94. "Blue and highly emitting [Ir(IV)] complexes by an efficient photoreaction of green luminescent [Ir(III)] complexes"



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E. Marchi, M. Locritani, M. Baroncini, G. Bergamini, R. Sinisi, M. Monari, C. Botta, W. Mroz, **M. Bandini**,* P. Ceroni,* V. Balzani

J. Mat. Chem. C. **2014**, *2*, 4461-4467. [[link](#)]

93. "New developments in gold-catalyzed manipulation of unactivated alkenes"

M. Chiarucci,* **M. Bandini***

Beilstein J. Org. Chem. **2013**, *9*, 2586–2614.

92. "Merging Synthesis and Enantioselective Functionalization of Indoles via Gold-catalyzed Asymmetric Cascade Reaction"

M. Chiarucci, R. Mocci, L.-D. Syntrivanis, G. Cera, A. Mazzanti, **M. Bandini***

Angew. Chem. Int. Ed. **2013**, *52*, 10850-10853; [*Angew. Chem.* **2013**, *125*, 11050-11053] [[link](#)]

Highlighted in *Synfacts* **2014**, *10*, 68. [[link](#)]

91. "Gold(I) Catalyzed Functionalization of Benzhydryl C(sp³)-H Bonds"

G. Cera, M. Chiarucci, F. Dosi, **M. Bandini***

Adv. Synth. Catal. **2013**, *355*, 2227–2231. [[link](#)]

90. "Electrophilicity: the "Dark-Side" of Indole Chemistry"

M. Bandini*

Org. Biomol. Chem. **2013**, *11*, 5206-5212. [[link](#)]

Selected as an "HOT paper" by the Editorial Board.

Top ten most accessed articles (Q3) *Org. Biomol. Chem.*

89. "Enantioselective Gold(I) Catalysis With Chiral Monodentate Ligands"

G. Cera, **M. Bandini***

Isr. J. Chem. **2013**, *53*, 848-855. [[link](#)]

88. "New Entry to Polycyclic Fused Indoles via Gold(I)-catalyzed Cascade Reaction"

M. Chiarucci, E. Matteucci, G. Cera, G. Fabrizi, **M. Bandini***

Chem. Asian J. **2013**, *8*, 1776-1779. [[link](#)]

87. "Mechanistic Insights into Enantioselective Gold-Catalyzed Allylation of Indoles with Alcohols: the Counterion Effect"

M. Bandini,* A. Bottoni, M. Chiarucci, G. Cera, G. Miscione*

J. Am. Chem. Soc. **2012**, *134*, 20690-20700. [[link](#)]

86. "De Novo Gold-Catalyzed one-pot Synthesis of Azepino[1,2-*a*]indoles"

G. Cera, S. Piscitelli, M. Chiarucci, G. Fabrizi, A. Goggiamani, R. S. Ramón, S. P. Nolan, **M. Bandini***

Angew. Chem. Int. Ed. **2012**, *51*, 9891-9895. [*Angew. Chem.* **2012**, *124*, 10029-10033] [[link](#)]

Selected as a 'Hot Paper' by the Editor of *ACIE*.

Highlighted in *Synfacts* **2012**, *8*, 1187. [[link](#)]

85. "The Golden Age of Gold Catalysis in Organic Synthesis"

M. Bandini,* G. Cera, M. Chiarucci

La Chimica e L'Industria, **2012**, 74-77. [[link](#)]



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84. "Easy Separation of Δ and Λ Isomers of Highly Luminescent [Ir(III)]-cyclometalated Complexes Based on Chiral Phenol-oxazoline Ancillary Ligands"

E. Marchi, R. Sinisi, G. Bergamini, M. Tragni, M. Monari,* **M. Bandini**,* P. Ceroni*
Chem. Eur. J. **2012**, *18*, 8765-8773. [[link](#)]

83. "Gold Meets Enamine Catalysis in the Enantioselective α -Allylic Alkylation of Aldehydes with Alcohols"

M. Chiarucci, M. di Lillo, A. Romaniello, P.G. Cozzi, G. Cera, M. **Bandini***
Chem. Sci. **2012**, *2*, 2859-2863. [[link](#)]

Highlighted in *Synfacts* 2012, 8, 1347. [[link](#)]

82. "Enantioselective Gold-Catalyzed Synthesis of Polycyclic Indolines"

G. Cera, M. Chiarucci, A. Mazzanti, M. Mancinelli, **M. Bandini***
Org. Lett. **2012**, *14*, 1350-1353. [[link](#)]

Highlighted in *Synfacts* 2012, 8, 635. [[link](#)]

81. "Catalytic Enantioselective Alkylations with Allylic Alcohols"

M. Bandini,* G. Cera, M. Chiarucci
Synthesis, **2012**, 504-512. [[link](#)]

80. "Accessing Chemical Diversity by Stereoselective Gold-catalyzed Manipulation of Allylic/Propargylic Alcohols"

M. Chiarucci, G. Cera, **M. Bandini***
Pure & Appl. Chem. **2012**, *84*, 1673-1684. [[link](#)]

79. "Gold(I)-catalyzed synthesis of γ -vinylbutyrolactones by intramolecular oxaallylic alkylation with alcohols"

M. Chiarucci, M. Locritani, G. Cera, **M. Bandini***
Beilstein J. Org. Chem. **2011**, *7*, 1198-1204. [[link](#)]

78. "Stereoselective Synthesis of Tetracyclic Indolines via Gold-Catalyzed Cascade Cyclization Reactions"

G. Cera, P. Crispino, M. Monari, **M. Bandini***
Chem. Commun. **2011**, *47*, 7803-7805. [[link](#)]

77. "Allylic alcohols: valuable synthetic equivalents of non-activated alkenes in gold-catalyzed enantioselective alkylation of indoles"

M. Bandini,* A. Gualandi, M. Monari, M. Tragni, D. Savoia
J. Organomet. Chem. **2011**, *696*, 338-347. [[link](#)]

76. "Allylic Alcohols: new sustainable sources for catalytic enantioselective alkylation reactions"

M. Bandini*
Angew. Chem. Int. Ed. **2011**, *50*, 994-995; [*Angew. Chem.* **2011**, *123*, 1026-1027]. [[link](#)]

75. "Gold-Catalyzed Decorations of Arenes and Heteroarenes with C-C Multiple Bonds"

M. Bandini*
Chem. Soc. Rev. **2011**, *40*, 1358-1367. [[link](#)]

74. "Gold Catalyzed Direct Activation of Allylic Alcohols in the Stereoselective Synthesis of Functionalized 2-Vinyl-Morpholines"



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M. Bandini,* M. Monari, A. Romaniello, M. Tragni

Chem. Eur. J. **2010**, *16*, 14272-14277. [[link](#)]

Highlighted in *Synfacts* **2011**, *3*, 297. [[link](#)]

73. "Creating Chemical Diversity in Indole Compounds by Merging Au and Ru Catalysis"

M. Bandini,* A. Eichholzer, A. Gualandi, T. Quinto, D. Savoia

ChemCatChem **2010**, *2*, 661-665. [[link](#)]

72. "Asymmetric Phase-Transfer-Catalyzed Intramolecular N-Alkylation of Indoles and Pyrroles: a Combined Experimental and Theoretical Investigation"

M. Bandini,* A. Bottoni, A. Eichholzer, G. P. Miscione,* M. Stenta

Chem. Eur. J. **2010**, *16*, 12462-12473. [[link](#)]

71. "Novel Electrochemiluminescent Functionalizable Cyclometalated Thiophene-Based Iridium(III) Complexes"

M. Bandini,* M. Bianchi, G. Valenti, F. Piccinelli, F. Paolucci, M. Monari, A. Umani-Ronchi, M. Marcaccio*

Inorg. Chem. **2010**, *49*, 1439-1448. [[link](#)]

70. "Enantioselective gold-catalyzed allylic alkylation of indoles with alcohols: efficient route to functionalized tetrahydrocarbazoles"

M. Bandini,* A. Eichholzer

Angew. Chem. Int. Ed. **2009**, *48*, 9533-9537; [*Angew. Chem.* **2009**, *121*, 9697-9701] [[link](#)]

Selected as a 'VIP' articles by the Editor of ACIE.

Highlighted in *Synfacts* **2010**, *3*, 313-314. [[link](#)]

69. "Diastereoselective Addition of Organometallic Reagents to Diimines Derived from (*R,R*)-1,2-Diaminocyclohexane and Aromatic Aldehydes"

D. Savoia,* A. Gualandi, M. Bandini

Lett. Org. Chem. **2009**, *6*, 434-438. [[link](#)]

68. "Iron(III)-Catalyzed Intramolecular Friedel-Crafts Alkylation of Electron-Deficient Arenes with π -Activated Alcohols"

M. Bandini,* M. Tragni, A. Umani-Ronchi

Adv. Synth. Catal. **2009**, *351*, 2521. [[link](#)]

67. "Catalytic Functionalizations of Indoles in a New Dimension"

M. Bandini,* A. Eichholzer

Angew. Chem. Int. Ed. **2009**, *48*, 9608-9644; [*Angew. Chem.* **2009**, *121*, 9786-9824]. [[link](#)]

66. "Efficient Guanidine-catalyzed Alkylation of Indoles with Fluoromethyl Ketones in the presence of Water"

M. Bandini,* R. Sinisi

Org. Lett. **2009**, *11*, 2093-2096. [[link](#)]

65. "New Electrochemically Generated Polymeric Pd-complexes as Heterogeneous Catalysts for Suzuki Cross-Coupling Reactions"

M. Bandini,* A. Pietrangelo, R. Sinisi, A. Umani-Ronchi, M. O. Wolf

Eur. J. Org. Chem. **2009**, 3554-3561. [[link](#)]



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64. " π -Activated alcohols: an emerging class of alkylating agents for catalytic Friedel-Crafts reactions"

M. Bandini,* M. Tragni

Org. Biomol. Chem., **2009**, *7*, 1501-1507. [[link](#)]

PUBLICATIONS IN COLLABORATION WITH PhD SUPERVISOR

63. "New adaptive chiral thiophene ligands for copper-catalyzed asymmetric reaction"

M. Bandini,* S. Cabiddu, E. Cadoni, P. Olivelli, R. Sinisi, A. Umani-Ronchi,* M. Usai

Chirality, **2009**, *21*, 239-244. [[link](#)]

62. "Ligand-free silver(I)-catalyzed intramolecular Friedel-Crafts alkylation of arenes with allyl-alcohols"

M. Bandini,* A. Eichholzer, P. Kotrusz, M. Tragni, S. Troisi, A. Umani-Ronchi*

Adv. Synth. Catal. **2009**, *351*, 319-324. [[link](#)]

61. "Novel blue-emitting bis-cyclometalated Iridium(III) complexes. synthesis, photophysical and electrochemical characterization"

E. Marchi, P. Ceroni,* G. Bergamini, V. Balzani, **M. Bandini,*** R. Sinisi, A. Umani-Ronchi

Luminescence **2008**, *23*, 245-247.

60. "A Nonclassical Stereoselective Semi-Synthesis of Drospirenone via Cross-Metathesis Reaction"

M. Bandini,* M. Contento, A. Garelli, M. Monari, A. Tolomelli, A. Umani-Ronchi,* E. Andriolo, M. Montorsi

Synthesis, **2008**, 3801-3804. [[link](#)]

59. "Enantioselective organocatalyzed Henry reaction with fluoromethyl ketones"

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Bologna, May 2018