

**Pr. Gwilherm EVANO**

Laboratoire de Chimie Organique  
Service de Chimie et PhysicoChimie Organiques  
Université libre de Bruxelles  
Avenue F. D. Roosevelt 50 CP160/06  
1050 Brussels  
BELGIUM

Tel: +32 (0)2 650 30 57  
Fax: +32 (0)2 650 27 98  
gevano@ulb.ac.be

Date of birth: Jan 6, 1977  
Nationalities: Belgian & French

**RESEARCH INTERESTS**

Synthetic chemistry with particular emphasis on natural product synthesis, copper-mediated reactions, organometallic chemistry and chemistry of ynamides and reactive intermediates.

**EDUCATION & RESEARCH EXPERIENCE**

- Since 2012 Professor (Chargé de cours), Université libre de Bruxelles;
- 2009 Habilitation, Université de Versailles Saint Quentin en Yvelines, defended June 15, 2009;
- 2004-2011 Assistant professor of Organic Chemistry ("chargé de recherche CNRS") at the Lavoisier Institute (University of Versailles, France);
- 2002 - 2003 Research assistant with Pr. James Panek, Boston University, USA.
- 1999 - 2002 PhD in Organic Chemistry, Université Pierre et Marie Curie, Laboratoire de Synthèse Asymétrique, Paris, France. Advisors: Pr. Claude Agami and Pr. Francois Couty; defended June 28, 2002;
- 2000 Master's Degree in Chemistry, Ecole Normale Supérieure Ulm, Paris, France;
- 1999 Master's Degree in Organic and Bioorganic Chemistry ("DEA"), Université Pierre et Marie Curie, Paris, France;
- 1998 Bachelor of Science in Chemistry, Ecole Normale Supérieure Ulm, Paris, France.

**CONSULTING**

Industrial consultant to L'Oréal Research & Innovation since 2014.

**EDITORIAL ACTIVITIES**

- Editor-in-Chief of *Letters in Organic Chemistry* (Bentham Science);
- Associate Editor of *Frontiers (Organic Chemistry)*.
- Member of the Editorial Board of *Chimie Nouvelle*, the journal of the Belgian Royal Society of Chemistry.

**TEACHING**

Courses (Jan. 2004-present)

Organic Chemistry (B.S. level);  
Advanced Organic Chemistry (M.S. level);  
Organometallic Chemistry (M.S. level);  
Introduction to Medicinal Chemistry (M.S. Level).

1. *Selective N-Dealkylation of Tertiary Amines Derived from Phenylglycinol or Ephedrine Family*, Agami, C.; Couty, F.; Evano, G. *Tetrahedron Lett.* **1999**, *40*, 3709-3712.
2. *Synthesis of  $\alpha$ -Substituted Allylic Amines via a Modified Bruylants Reaction*, Agami, C.; Couty, F.; Evano, G. *Org. Lett.* **2000**, *2*, 2085-2088.
3. *S<sub>N</sub>2' Regio and Stereoselective Alkylation of Allylic and Propargylic Mesylates Linked to a N-Boc Oxazolidine using Organocuprates*, Agami, C.; Couty, F.; Evano, G.; Mathieu, H. *Tetrahedron*, **2000**, *56*, 367-376.
4. *Claisen Rearrangement of Allylic Alcohols Prepared through N-Boc-2-acyloxazolidine Methodology. Application to the Synthesis of Trisubstituted Cyclopropanes*, Agami, C.; Couty, F.; Evano, G. *Tetrahedron Lett.* **2000**, *41*, 8301-8305.
5. *Enantioselective Synthesis of 2-Substituted-N-Boc- $\Delta$ -4,5-piperidines*, Agami, C.; Couty, F.; Evano, G. *Tetrahedron: Asymmetry*, **2000**, *11*, 4639-4643.
6. *Claisen Rearrangement of Allylic and Propargylic Alcohols Prepared through N-Boc-2-Acyloxazolidines Methodology. Application to the Synthesis of Original Chiral Building Blocks*, Agami, C.; Couty, F.; Evano, G. *Eur. J. Org. Chem.*, **2002**, 29-38.
7. *Some Uses of N-Boc-2-acyloxazolidines in Asymmetric Synthesis*, Couty, F.; Evano, G.; Matthieu, H.; Rabasso, N.; Venier, O. *l'Actualité Chimique*, **2002**, *249*, 13-18.
8. *A Straightforward Synthesis of Enantiopure 2-Cyanoazetidines from  $\beta$ -Aminoalcohols*, Agami, C.; Couty, F.; Evano, G. *Tetrahedron: Asymmetry* **2002**, *13*, 297-302.
9. *Enantioselective Synthesis of Clavepictine analogues and Evaluation of their Cytotoxic Activity*, Agami, C.; Couty, F.; Evano, G.; Darro, F.; Kiss, R. *Eur. J. Org. Chem.*, **2003**, 2062-2070.
10. *Synthesis of enantiopure azetidine-2-carboxylic acids and their incorporation into peptides*, Couty, F.; Evano, G.; Rabasso, N. *Tetrahedron: Asymmetry* **2003**, *14*, 2407-2412.
11. *A Convergent Synthesis of the Macrocyclic Core of Cytotrienins: Application of RCM for Macrocyclization*, Evano, G.; Schaus, J. V.; Panek, J. S. *Org. Lett.* **2004**, *5*, 525-528.
12. *Synthesis of Chiral Non Racemic Azetidines*, Couty, F.; Evano, G.; Prim, D. *Minireviews in Organic Chemistry* **2004**, *1*, 133-148.
13. *Synthesis and Reactivity of Enantiomerically Pure N-Alkyl-2-alkenyl Azetidinium Salts*, Couty, F.; Durrat, F.; Evano, G.; Prim, D. *Tetrahedron Lett.* **2004**, *45*, 7525-7528.
14. *General Route to a New Class of Homochiral Azetidine-Derived 1,2-Diamines*, Couty, F.; Evano, G.; Prim, D.; Marrot, J. *Eur. J. Org. Chem.*, **2004**, 3893-3897.
15. *N-Cyanomethyl- $\beta$ -chloroamines: A Convenient Source of Aziridinium Ions*, Couty, F.; Evano, G.; Prim, D. *Tetrahedron Lett.* **2005**, *46*, 2253-2257.
16. *Azetidine motifs as ligand in the Pd(II) complexes series*, Keller, L.; Vargas Sanchez, M.; Prim, D.; Couty, F.; Evano, G.; Marrot, J. *J. Organomet. Chem.* **2005**, *690*, 2306-2311.
17. *Regioselective Nucleophilic Opening of Azetidinium Ions*, Couty, F.; Durrat, F.; Evano, G. *Synlett* **2005**, 1666-1670.
18. *Azetidinic Amino Acids: Stereocontrolled Synthesis and Pharmacological Characterization as Ligands for the Glutamate Receptors and Transporters*, Bräuner-Osborne, H.; Bunch, L. Chopin, N., Couty, F.; Evano, G.; Jensen, A. A.; Kusk, M.; Nielsen, B.; Rabasso, N. *Org. Biomol. Chem.* **2005**, 3926-3936.
19. *Practical Asymmetric Preparation of Azetidine-2-carboxylic Acid*, Couty, F.; Evano, G.; Vargas-Sanchez, M.; Bouzas, G. *J. Org. Chem.*, **2005**, *70*, 9028-9031.
20. *Total Synthesis of Reblastatin*, Wrona, I.; Gabarda, A.; Evano, G.; Panek, J. S. *J. Am. Chem. Soc.*, **2005**, *127*, 15026-15027 (highlighted in *Synfacts*, **2006**, 312).

21. *3-Aminopyrrolidines via Ring Rearrangement of 2-Aminomethylazetidines. Synthesis of (-)-Absouline*, Vargas-Sanchez, M.; Couty, F.; Evano, G.; Prim, D.; Marrot, J. *Org. Lett.* **2005**, *6*, 5861-5864.
22. *Stereocontrolled Synthesis of 3-Substituted Azetidinic Amino Acids*, Sivaprakasam, M.; Couty, F.; Evano, G.; Srinivas, B.; Sridhar, R.; Rama Rao, K. *Synlett* **2006**, 781-785.
23. *N-Cyanomethyl- $\beta$ -chloro amines: chiral building blocks for the synthesis of azacrown ethers*, Couty, F.; Evano, G.; Menguy, L.; Steimetz, V.; Toumi, M. *Tetrahedron Lett.* **2006**, *47*, 4817-4821.
24. *Nucleophilic Ring-Opening of Azetidinium Ions: Insights into Regioselectivity*, Couty, F.; David, O.; Durrat, F.; Evano, G.; Lakhdar, S.; Marrot, J.; Vargas-Sanchez, M. *Eur. J. Org. Chem.* **2006**, 3479-3490.
25. *Ring Expansions of 2-Alkenylazetidinium Salts – a New Route to Pyrrolidines and Azepanes*, Couty, F.; Durrat, F.; Evano, G.; Marrot, J. *Eur. J. Org. Chem.* **2006**, 4214-4223.
26. *Azetidone-2-Carboxylic Acid. From Lily of the Valley to Key Pharmaceuticals. A Jubilee Review*, Couty, F.; Evano, G. *Org. Prep. Proced. Int.* **2006**, *38*, 427-465.
27. *The Reaction of Azetidines with Chloroformates*, Vargas-Sanchez, M.; Lakhdar, S.; Couty, F.; Evano, G. *Org. Lett.* **2006**, *8*, 5501-5504.
28. *Total Synthesis of Paliurine F*, Toumi, M.; Couty, F.; Evano, G. *Angew. Chem. Int. Ed.* **2007**, *46*, 572-575 (with cover picture, highlighted in *Synfacts*, **2007**, 571).
29. *A Straightforward Synthesis of 3-Substituted Azetidinic Amino Acids*, Sivaprakasam, M.; Couty, F.; Evano, G.; Srinivas, B.; Sridhar, R.; Rama Rao, K. *Arkivoc*, **2007**, Part (x): Commemorative Issue in Honor of Prof. Alain Krief on the occasion of his 65th Anniversary, 71-93.
30. *Total Synthesis of the Cyclopeptide Alkaloid Abyssenine A. Application of Inter- and Intramolecular Copper-Mediated Coupling Reactions in Organic Synthesis*. Toumi, M.; Couty, F.; Evano, G. *J. Org. Chem.*, **2007**, *72*, 9003-9009 (with cover picture, highlighted in *Synfacts*, **2008**, 338).
31. *Eight Steps Total Synthesis of the Cyclopeptide Alkaloid Mucronine E*. Toumi, M.; Couty, F.; Evano, G. *Synlett*, **2008**, 29-32.
32. *A Practical Route to Enantiopure 3-Hydroxy-pyrrolidines: Application to a Straightforward Synthesis of (-)-Bulgecinine*. Toumi, M.; Couty, F.; Evano, G. *Tetrahedron Lett.* **2008**, *49*, 1175-1179.
33. *Total Synthesis of the Cyclopeptide Alkaloid Paliurine E. Insights into Macrocyclization by Ene-enamide RCM*. Toumi, M.; Couty, F.; Evano, G. *J. Org. Chem.*, **2008**, *73*, 1270-1281.
34. *Rearrangement of 2-Hydroxyalkylazetidines into 3-Fluoropyrrolidines*. Drouillat, B.; Couty, F.; David, O.; Evano, G.; Marrot, J. *Synlett* **2008**, 1345-1348.
35. *Ring Expansion of 2-( $\alpha$ -Hydroxyalkyl)azetidines: A Synthetic Route to Functionalized Pyrrolidines*. Durrat, F.; Vargas-Sanchez, M.; Couty, F.; Evano, G.; Marrot, J. *Eur. J. Org. Chem.* **2008**, 3286-3297.
36. *Copper-Mediated Coupling Reactions and Their Applications in Natural Products and Designed Biomolecules Synthesis*. Evano, G.; Blanchard, N.; Toumi, M. *Chem. Rev.* **2008**, *108*, 3054-3131.
37. *Amino Acids and Copper(I): Application to the Synthesis of Cyclopeptide Alkaloids*. Evano, G.; *l'Actualité Chimique*, **2008**, *322*, 20-26.
38. *Copper-Catalyzed Cyclization of Iodo-tryptophans: A Straightforward Synthesis of Pyrroloindoles*, Coste, A.; Toumi, M.; Wright, K.; Razafimahaléo, V.; Couty, F.; Marrot, J.; Evano, G. *Org. Lett.* **2008**, *10*, 3841-3844.
39. *Total Synthesis of Chaetominine*, Toumi, M.; Couty, F.; Marrot, J.; Evano, G. *Org. Lett.* **2008**, *10*, 5027-5030.
40. *TMC-95A-D: Chemistry and Biology*, Coste, A.; Couty, F.; Evano, G. *C. R. Chimie* **2008**, *11*, 1544-1573, special issue on "Natural Products with Anticancer Properties".
41. *Copper-Mediated Coupling of 1,1-Dibromo-1-alkenes with Nitrogen Nucleophiles: A General Method for the Synthesis of Ynamides*, Coste, A.; Karthikeyan, G.; Couty, F.; Evano, G. *Angew. Chem. Int. Ed.* **2009**, *48*, 4381-4385 (highlighted in *Synfacts*, **2009**, 907).

42. *Copper-Catalyzed Cyclization Reactions for the Synthesis of Alkaloids*, Evano, G.; Toumi, M. Coste, A. *Chem. Commun.* **2009**, 4166-4175.
43. *A General Route to Cyclopeptide Alkaloids: Total Syntheses and Biological Evaluation of Paliurines E and F, Ziziphines N and Q, Abyssenine A, Mucronine E, and Analogues*, Toumi, M.; Rincheval, V.; Young, A.; Gergeres, D.; Turos, E.; Couty, F.; Mignotte, B.; Evano, G. *Eur. J. Org. Chem.* **2009**, 3368-3386.
44. *Second-Generation, Biomimetic Total Synthesis of Chaetominine*, Coste, A.; Karthikeyan, G.; Couty, F.; Evano, G. *Synthesis* **2009**, 2927-2934, special issue on "Natural Product Synthesis".
45. *Synthesis of Ketene N,N-Acetals by Copper-Catalyzed Double-Amidation of 1,1-Dibromo-1-alkenes*, Coste, A.; Couty, F.; Evano, G. *Org. Lett.* **2009**, *11*, 4454-4457.
46. *Azetidines: New Tools for the Synthesis of Nitrogen Heterocycles*, Couty, F.; Evano, G. *Synlett* **2009**, 3053-3064.
47. *Ynamides: Versatile Tools in Organic Synthesis*, Evano, G.; Coste, A.; Jouvin, K. *Angew. Chem. Int. Ed.* **2010**, *49*, 2840-2859.
48. *Copper-Mediated Homocoupling of Vinyl Dibromides to Symmetrical Diynes*, Coste, A.; Couty, F. Evano, G. *Synthesis* **2010**, 1500-1504.
49. *Synthesis of the Azetidiny-Thiazoline Fragment of Vioprolides A and C*, Chopin, N.; Couty, F.; Evano, G. *Lett. Org. Chem.* **2010**, *7*, 353-359.
50. *Synthesis of Ynamides by Copper-Mediated Coupling of 1,1-Dibromo-1-alkenes with Nitrogen Nucleophiles. Preparation of N-Benzyl-N-4-toluenesulfonyl-phenylethynylamine*, Coste, A.; Couty, F.; Evano, G. *Org. Synth.* **2010**, *87*, 231-244.
51. *Copper-Catalyzed Alkynylation of Amides with Potassium Alkynyltrifluoroborates: A Room-Temperature, Base-Free Synthesis of Ynamides*, Jouvin, K.; Couty, F.; Evano, G. *Org. Lett.* **2010**, *12*, 3272-3275.
52. *Organic Azides – Syntheses and Applications*. By S. Bräse and K. Banert, Evano, G. *Angew. Chem. Int. Ed.* **2010**, *49*, 6025.
53. *Vinyl Dibromides: Versatile Partners in Cross-Coupling Reactions*, Legrand, F.; Jouvin, K. Evano, G. *Isr. J. Chem.* **2010**, *50*, 588-604, special issue on "Metal-Catalyzed Cross-Coupling Reactions".
54. *Copper-Mediated Cross-Coupling of 1,1-Dibromo-1-alkenes with Dialkylphosphites: a Convenient Synthesis of 1-Alkenylphosphonates*, Evano, G.; Tadiparthi, K.; Couty, F. *Chem. Comm.* **2011**, *47*, 179-181, special issue on "Emerging Investigators".
55. *Highly Regio- and Stereo- selective Nickel-Catalyzed Addition of Dialkylphosphites to Ynamides: an Efficient Synthesis of  $\beta$ -Amino Vinylphosphonates*, Fadel, A.; Legrand, F.; Evano, G.; Rabasso, N. *Adv. Synth. Catal.* **2011**, *353*, 263-267.
56. *Copper-Catalysed N-Alkynylation of Benzimidazoles and Indazoles*, Jouvin, K.; Evano, G. *Chimica Oggi - Chemistry Today* **2011**, *29*, 31-33.
57. *Copper-Catalyzed Oxidative Alkynylation of Diaryl Imines with Terminal Alkynes: A Facile Synthesis of Ynimines*, Laouiti, A.; Rammah, M. M.; Rammah, M. B.; Marrot, J.; Couty, F.; Evano, G. *Org. Lett.* **2012**, *14*, 6-9.
58. *Click-Alkynylation of N- and P-Nucleophiles by Oxidative Cross-Coupling with Alkynylcopper Reagents: a General Synthesis of Ynamides and Alkynylphosphonates*, Jouvin, K.; Heimbürger, J.; Evano, G. *Chem. Sci.* **2012**, *3*, 756-760.
59. *Copper-Catalyzed Coupling of 1,1-Dibromo-1-alkenes with Phenols: A General, Modular, and Efficient Synthesis of Ynol Ethers, Bromo Enol Ethers, and Ketene Acetals*, Jouvin, K.; Bayle, A.; Legrand, F.; Evano, G. *Org. Lett.* **2012**, *14*, 1652-1655.
60. *Oxidative Alkynylation of Imines with Alkynylcopper Reagents: A Straightforward and Practical Entry to Ynimines*, Laouiti, A.; Jouvin, K.; Rammah, M. M.; Rammah, M. B.; Evano, G. *Synthesis* **2012**, *44*, 1491-1500, special issue on "Copper in Organic Synthesis".

61. *Stereoselective Hydrofluorination of Ynamides: a Straightforward Synthesis of Novel  $\alpha$ -Fluoroenamides*, Compain, G.; Jouvin, K.; Martin-Mingot, A.; Evano, G.; Marrot, J.; Thibaudeau, S. *Chem. Commun.* **2012**, 48, 5196-5198.
62. *De Novo Synthesis of 1,4-Dihydropyridines and Pyridines*, Gati, W.; Rammah, M. M.; Rammah, M. B.; Couty, F.; Evano, G. *J. Am. Chem. Soc.* **2012**, 134, 9078-9081 (highlighted in *Synfacts* **2012**, 900 and *organic-chemistry.org*).
63. *Copper-Mediated Selective Cross-Coupling of 1,1-Dibromo-1-alkenes and Heteronucleophiles: Development of General Routes to Heterosubstituted Alkynes and Alkenes*, Jouvin, K.; Coste, A.; Bayle, A.; Legrand, F.; Karthikeyan, G.; Tadiparthi, K.; Evano, G. *Organometallics* **2012**, 31, 7933-7947, special issue on "Copper Organometallic Chemistry".
64. *Intramolecular carbolithiation of N-allyl-ynamides: an efficient entry to 1,4-dihydropyridines and pyridines - application to a formal synthesis of sarizotan*, Gati, W.; Rammah, M. M.; Rammah, M. B.; Evano, G. *Beilstein J. Org. Chem.* **2012**, 8, 2214-2222, thematic series on "Carbometallation Chemistry".
65. *General Amination Reactions for the Synthesis of Ynamides*, Evano, G.; Jouvin, K.; Coste, A. *Synthesis* **2013**, 45, 17-26.
66. *Expanding the Oxidative Chemistry of Organocopper Reagents: Facile Oxidative Cross-Coupling of Copper Acetylides with Arylboronic Acids*, Verna, F.; Pous, J.; Evano, G. *Monatsh. Chem.* **2013**, 144, 523-529, special issue for the "4<sup>th</sup> Young Investigator Workshop".
67. *2-Cyanoazetidines and Azetidinium Ions: Scaffolds for Molecular Diversity*, Couty, F.; Drouillat, B.; Evano, G.; David, O. *Eur. J. Org. Chem.* **2013**, 2045-2056.
68. *Intramolecular Carbocupration of N-Aryl-ynamides: A Modular Indole Synthesis*, Gati, W.; Couty, F.; Boubaker, T.; Rammah, M. M.; Rammah, M. B.; Evano, G. *Org. Lett.* **2013**, 15, 3122-3125 (highlighted in *Synfacts* **2013**, 9, 995).
69. *Unprecedented Synthesis of Alkynylphosphine-boranes through Room-Temperature Oxidative Alkynylation*, Jouvin, K.; Veillard, R.; Theunissen, C.; Alayrac, C.; Gaumont, A.-C.; Evano, G. *Org. Lett.* **2013**, 15, 4592-4595.
70. *Impact of Copper Catalysis in Natural Product Synthesis: the Emergence of New Retrosynthetic Paradigms*, Evano, G.; Theunissen, C.; Pradal, A. *Nat. Prod. Rep.* **2013**, 30, 1467-1489. (with cover picture).
71. *Le cuivre : un métal redoutablement efficace en synthèse organique*, Evano, G.; Guissart, C.; Theunissen, C.; Zahim, S.; Duhirwe, G.; Henry, N.; Lecomte, M.; Nitelet, A. *Chimie Nouvelle* **2013**, 11-12.
72. *Metal-Catalyzed Synthesis of Hetero-Substituted Alkenes and Alkynes*, Evano, G.; Gaumont, A.-C.; Alayrac, C.; Wrona, I. E.; Giguere, J. R.; Delacroix, O.; Bayle, A.; Jouvin, K.; Theunissen, C.; Gatignol, J.; Silvanus, A. C. *Tetrahedron (Report)* **2014**, 70, 1529-1616.
73. *A Convergent Synthesis of the Fully Elaborated Macrocyclic Core of TMC-95A*, Coste, A.; Bayle, A.; Marrot, J.; Evano, G. *Org. Lett.* **2014**, 16, 1306-1309.
74. *Convenient and Practical Alkynylation of Heteronucleophiles with Copper Acetylides*, Theunissen, C.; Lecomte, M.; Jouvin, K.; Laouiti, A.; Guissart, C.; Heimbürger, J.; Loire, E.; Evano, G. *Synthesis (PSP Article)* **2014**, 46, 1157-1166.
75. *Practical Methods for the Synthesis of Trifluoromethylated Alkynes: Oxidative Trifluoromethylation of Copper Acetylides and Alkynes*, Tresse, C.; Guissart, C.; Schweizer, S.; Bouhoute, Y.; Chany, A.-C.; Goddard, M.-L.; Blanchard, N.; Evano, G. *Adv. Synth. Catal.* **2014**, 356, 2051-2060.
76. *Hydrocarbation of  $C\equiv C$  Bonds: Quantification of the Nucleophilic Reactivity of Ynamides*, Laub, H. A.; Evano, G.; Mayr, H. *Angew. Chem. Int. Ed.* **2014**, 53, 4968-4971.
77. *Exploring the Anionic Reactivity of Ynimines, Useful Precursors of Metalated Ketimines*, Laouiti, A.; Couty, F.; Marrot, J.; Boubaker, T.; Rammah, M. M.; Rammah, M. B. Evano, G. *Org. Lett.* **2014**, 16, 2252-2255 (highlighted in *Synfacts* **2014**, 10, 740).



78. *Turning Unreactive Copper Acetylides into Remarkably Powerful and Mild Alkyne Transfer Reagents by Oxidative Umpolung*, Evano, G.; Jouvin, K.; Theunissen, C.; Guissart, C.; Laouiti, A.; Tresse, C.; Heimbürger, J.; Bouhoute, Y.; Veillard, R.; Lecomte, M.; Nitelet, A.; Schweizer, S.; Blanchard, N.; Alayrac, C.; Gaumont, A.-C. *Chem. Commun.* **2014**, 50, 10008-10018 (highlighted on [organic-chemistry.org](http://organic-chemistry.org)).
79. *Keteniminium Ion-Initiated Cascade Cationic Polycyclization*, Theunissen, C.; Metayer, B.; Henry, N.; Compain, G.; Marrot, J.; Martin-Mingot, A.; Thibaudeau, S.; Evano, G. *J. Am. Chem. Soc.* **2014**, 136, 12528-12531 (with cover picture and highlighted in *JACS Spotlight* **2014**, 136, 12515).
80. *Room-Temperature Direct Alkynylation of Arenes with Copper Acetylides*, Theunissen, C.; Evano, G. *Org. Lett.* **2014**, 16, 4488-4491.
81. *A Vinylic Rosenmund-von Braun Reaction: Practical Synthesis of Acrylonitriles*, Pradal, A.; Evano, G. *Chem. Commun.* **2014**, 50, 11907-11910 (highlighted on [organic-chemistry.org](http://organic-chemistry.org)).
82. *Chemo- and Stereoselective Synthesis of Fluorinated Enamides from Ynamides in HF/pyridine: Second-Generation Approach to Potent Ureas Bioisosters*, Metayer, B.; Compain, G.; Jouvin, K.; Martin-Mingot, A.; Bachmann, C.; Marrot, J.; Evano, G.; Thibaudeau, S. *J. Org. Chem.* **2015**, 80, 3397-3410 (with cover picture).
83. *Stereodivergent Hydrogermylations of  $\alpha$ -Trifluoromethylated Alkynes and Their Applications in Cross-Coupling Reactions*, Schweizer, S.; Tresse, C.; Bissere, P.; Lalevée, J.; Evano, G.; Blanchard, N. *Org. Lett.* **2015**, 17, 1794-1797 (highlighted in *Synfacts* **2015**, 11, 639).
84. *Ynamides: Powerful and Versatile Reagents for Chemical Synthesis*, Evano, G.; Theunissen, C.; Lecomte, M. *Aldrichimica Acta* **2015**, 48, 59-70.
85. *Room Temperature Alkynylation of Phosphine Oxides with Copper Acetylides: Practical Synthesis of Alkynylphosphine Oxides*, Gérard, P.; Veillard, R.; Alayrac, C.; Gaumont, A.-C.; Evano, G. *Eur. J. Org. Chem.* **2016**, 633-638.
86. *Triflate-Functionalized Calix[6]arenes as Versatile Building-Blocks: Application to the Synthesis of an Inherently Chiral Zn(II) Complex*, Zahim, S.; Lavendomme, R.; Reinaud, O.; Luhmer, M.; Evano, G.; Jabin, I. *Org. Biomol. Chem.* **2016**, 14, 1950-1957.
87. *Harnessing the Electrophilicity of Keteniminium Ions: a Simple and Straightforward Entry to Tetrahydropiperidines and Piperidines from Ynamides*, Lecomte, M.; Evano, G. *Angew. Chem. Int. Ed.* **2016**, 55, 4547-4551.
88. *Room-Temperature, Practical Copper-Catalyzed Amination of Aryl Iodides*, Deldaele, C.; Evano, G. *ChemCatChem* **2016**, 8, 1319-1328.
89. *Synthesis of Allenamides by Copper-Catalyzed Coupling of Propargylic Bromides and Nitrogen Nucleophiles*, Demmer, C. S.; Benoit, E.; Evano, G. *Org. Lett.* **2016**, 18, 1438-1441.
90. *A Calix[6]azacryptand Ligand with a Sterically Protected Tren-based Coordination Site for Metal Ions*, Zahim, S.; Wickramasinghe, L. A.; Evano, G.; Jabin, I.; Schrock, R. R.; Müller, P. *Org. Lett.* **2016**, 18, 1570-1573.
91. *A Simple Entry to Yne-amides from Yne-oxazolidinones*, Demmer, C. S.; Evano, G. *Synlett* **2016**, 27, 1873-1877.
92. *A General Copper-Catalyzed Vinylic Halogen Exchange Reaction*, Nitelet, A.; Evano, G. *Org. Lett.* **2016**, 18, 1904-1907.
93. *A Journey in the Chemistry of Ynamides: from Synthesis to Applications*, Evano, G.; Blanchard, N.; Compain, G.; Coste, A.; Demmer, C. S.; Gati, W.; Guissart, C.; Heimbürger, J.; Henry, N.; Jouvin, K.; Karthikeyan, G.; Laouiti, A.; Lecomte, M.; Martin-Mingot, A.; Métayer, B.; Michelet, B.; Nitelet, A.; Theunissen, C.; Thibaudeau, S.; Wang, J.; Zarca, M.; Zhang, C. *Chem. Lett.* **2016**, 45, 574-585 (with cover picture).
94. *Stereodivergent Hydrosilylation, Hydrostannylation, and Hydrogermylation of  $\alpha$ -Trifluoromethylated Alkynes and their Synthetic Applications*. Tresse, C.; Schweizer, S.; Bissere, P.; Lalevée, J.; Evano, G.; Blanchard, N. *Synthesis* **2016**, 48, 3317-3330, special issue in Memoriam of Jean Normant.

95. *Copper-Catalyzed Silylcupration of Activated Alkynes*. Vercruyssen, S.; Jouvin, K.; Riant, O.; Evano, G. *Synthesis* **2016**, *48*, 3373-3381, special issue in Memoriam of Jean Normant.
96. *A Straightforward Entry to  $\gamma$ -Trifluoromethylated Allenamides and their Synthetic Applications*. Guissart, C.; Dolbois, A.; Tresse, C.; Saint-Auret, S.; Evano, G.; Blanchard, N. *Synlett* **2016**, *27*, 2575-2580.
97. *Copper-Catalyzed Cyanation of Alkenyl Iodides*. Nitelet, A.; Zahim, S.; Theunissen, C.; Pradal, A. Evano, G. *Org. Synth.* **2016**, *93*, 163-177.
98. *Development of a General Copper-Catalyzed Vinylic Finkelstein Reaction – Application to the Synthesis of the C1-C9 fragment of Laingolide B*. Nitelet, A.; Jouvin, K.; Evano, G. *Tetrahedron* **2016**, *72*, 5972-5987, special issue "From Organocopper to Medicinal Chemistry: a Symposium-in-Print to Honor Professor Gary H. Posner".
99. *Total Synthesis of (-)-Melanthoidine by Copper-Mediated Cyclodimerization*. Wang, J.; Evano, G. *Org. Lett.* **2016**, *18*, 3542-3545.
100. *Copper-Catalyzed Direct Alkylation of Heteroarenes*. Theunissen, C.; Wang, J.; Evano, G. *Chem. Sci.* **2017**, *8*, 3465-3470.
101. *The Anionic chemistry of Ynamides: a Review*. Evano, G.; Michelet, B.; Zang, C. *C. R. Chimie* **2017**, *20*, 648-664, special issue on "New Pluses in Carbanion Chemistry".
102. *Cationic Polycyclization of Ynamides: Building up Molecular Complexity*. Theunissen, C.; Métayer, B.; Lecomte, M.; Henry, N.; Chan, H.-C.; Compain, G.; Gérard, P.; Bachmann, C.; Mokhtari, N.; Marrot, J.; Martin-Mingot, A.; Thibaudeau, S.; Evano, G. *Org. Biomol. Chem.* **2017**, *15*, 4399-4416, themed issue on "Polycyclizations in Synthesis and Biosynthesis" (selected as a HOT article).
103. *Aryl Ynol Ethers: Stable, Readily Available and Useful Precursors of Highly Reactive Ketenium Ions*. Lecomte, M.; Evano, G. *Org. Lett.* **2017**, *14*, 539-542.
104. *Keteniminium Ions: Unique and Versatile Reactive Intermediates for Chemical Synthesis*, Evano, G.; Lecomte, M.; Thilmany, P.; Theunissen, C. *Synthesis* **2017**, *49*, 3183-3214, special Issue Dedicated to Professor Herbert.
105. *A General Copper Catalyst for Photoredox Transformations of Organic Halides*, Michelet, B.; Deldaele, C.; Kajouj, S.; Moucheron, C.; Evano, G. *Org. Lett.* **2017**, *19*, 3576-3579.
106. *Metal-Mediated C-O Bond Forming Reactions in Natural Product Synthesis*, Evano, G.; Wang, J.; Nitelet, A. *Org. Chem. Front.* **2017**, *4*, DOI: 10.1039/C7QO00671C, themed issue on "Synthetic Approaches to Natural Products via Catalytic Processes".

## ► BOOK & BOOK CHAPTERS

1. Couty, F.; Evano, G., "Reactivity of Azetidines Towards Ring Expansion and Ring Opening", In *Targets in Heterocyclic Systems*; Attanasi, O. A.; Spinelli, D., Eds.; Springer: New York, 2005, Vol 9, ISBN 88-86208-31-6, pp. 186-210.
2. Evano, G., "Compounds with Three Carbon - Heteroatom Bonds. Product Subclass 1: Alkanoic Acids. Synthesis from Organic Halides", In *Science of Synthesis: Houben-Weyl Methods of Molecular Transformations*; Panek, J. S., Ed.; Georg Thieme Verlag: Stuttgart, New York, 2006; Vol. 20a, ISBN 978-3-13-144691-6, pp. 137-172.
3. Evano, G., "Compounds with Three Carbon - Heteroatom Bonds. Product Subclass 1: Alkanoic Acids. Synthesis from Alkenes", In *Science of Synthesis: Houben-Weyl Methods of Molecular Transformations*; Panek, J. S., Ed.; Georg Thieme Verlag: Stuttgart, New York, 2006; Vol. 20a, ISBN 978-3-13-144691-6, pp. 205-240.
4. Evano, G., "Compounds with Three Carbon - Heteroatom Bonds. Product Subclass 9: Alk-2-ynoic Acids", In *Science of Synthesis: Houben-Weyl Methods of Molecular Transformations*; Panek, J. S., Ed.; Georg Thieme Verlag: Stuttgart, New York, 2006; Vol. 20a, ISBN 978-3-13-144691-6, pp. 507-532.

5. Evano G., "Compounds with Three Carbon - Heteroatom Bonds. Product Class 5: Carboxylic Acid Esters. Synthesis from Alkenes", In *Science of Synthesis: Houben-Weyl Methods of Molecular Transformations*; Panek, J. S., Ed.; Georg Thieme Verlag: Stuttgart, New York, 2006; Vol. 20b, ISBN 978-3-13-144691-6, pp. 795-826.
6. Evano G., "Compounds with Three Carbon - Heteroatom Bonds. Product Subclass 12: Alk-2-ynoic Acid Esters", In *Science of Synthesis: Houben-Weyl Methods of Molecular Transformations*; Panek, J. S., Ed.; Georg Thieme Verlag: Stuttgart, New York, 2006; Vol. 20b, ISBN 978-3-13-144691-6, pp. 1243-1284.
7. Couty, F.; Evano, G., "Bicyclic 5-6 Systems with One Bridgehead (Ring Junction) Nitrogen Atom: One Extra Heteroatom 1:0", In *Comprehensive Heterocyclic Chemistry III*, Katritzky, A. R.; Ramsden, C. A.; Scriven, E. F. V.; Taylor, R. J. K. Eds.; Elsevier: Oxford, 2008; Vol. 11, ISBN 978-0-0804-4991-3, pp. 409-500.
8. Evano G.; Blanchard, N., "Copper Catalysis from a Historical Perspective: a Legacy from the Past", In *Copper-Mediated Cross-Coupling Reactions*, Evano, G.; Blanchard, N. Eds.; Wiley, 2013, ISBN: 978-1-118-06045-2, pp. XIX-XXXI.
9. *Copper-Mediated Cross-Coupling Reactions*, Evano, G.; Blanchard, N. Eds.; Wiley, 2013, ISBN: 978-1-118-06045-2.
10. Jouvin, K.; Evano, G., "Beyond Ullmann-Goldberg Chemistry: Vinylation, Alkynylation and Allenylation of Heteronucleophiles", In *Copper-Mediated Cross-Coupling Reactions*, Evano, G.; Blanchard, N. Eds.; Wiley, 2013, ISBN: 978-1-118-06045-2, pp. 187-238.
11. Jouvin, K.; Guissart, C.; Theunissen, C.; Evano, G., "Emerging Areas in Copper-Mediated Trifluoromethylations: Catalytic and Oxidative Processes", In *Copper-Mediated Cross-Coupling Reactions*, Evano, G.; Blanchard, N. Eds.; Wiley, 2013, ISBN: 978-1-118-06045-2, pp. 515-530.
12. Tlili, A.; Evano, G.; Taillefer, M., "Copper-Catalyzed Arylation of Nucleophiles: History, Renaissance and Scalable Reactions", In *Applied Homogeneous Catalysis with Organometallic Compounds*, Cornils, B.; Herrmann, W. A.; Beller, M.; Paciello, R. Eds.; Wiley-VCH, 2017, ISBN: 978-3-527-32897-0, in press.

## ► SEMINARS & LECTURES

---

72 invited seminars and 31 plenary lectures.

## ► HONORS & AWARDS

---

- French Medicinal Society - Servier Laboratories 2002 Award for Vocation in Medicinal Chemistry;
- CNRS Bronze Medal 2007;
- Thieme Chemistry Journal Award 2008;
- Acros Prize 2011, Division of Organic Chemistry of the French Chemical Society;
- 2013 David Ginsburg Memorial Lectureship of the Technion – Israel Institute of Technology.