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## Publications clés

### Année de publication : 2021

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Abegão L.M., Santos F.A., Piguel S., Rodrigues J.J., Mendonça C.R., De Boni L. (2021 Apr 15)  
**The ability of 2,5-disubstituted oxazole dyes derivatives to generate two-photon upconversion photoluminescence and its brightness evaluation**  
*Journal of Photochemistry and Photobiology A: Chemistry* : 411 : 113214 : [DOI : 10.1016/j.jphotochem.2021.113214](https://doi.org/10.1016/j.jphotochem.2021.113214)

### Année de publication : 2020

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Breton-Patient C., Naud-Martin D., Mahuteau-Betzer F., Piguel S. (2020 Nov 15)  
**Three-component C-H bond sulfonylation of imidazoheterocycles via visible-light organophotoredox catalysis.**  
*European Journal of Organic Chemistry* : 2020 : 6653-6660 : [DOI : 10.1002/ejoc.202001219](https://doi.org/10.1002/ejoc.202001219)

Leandro H. Zucolotto Cocca, Luis M. G. Abegão, Lucas F. Sciuti, Roxane Vabre, Jonathas de Paula Siqueira, Kenji Kamada, Cleber R. Mendonca, Sandrine Piguel, and Leonardo De Boni (2020 Jun 11)  
**Two-Photon Emissive Dyes Based on Push-Pull Purines Derivatives: Toward the Development of New Photoluminescence Bioprobes**  
*The Journal of Physical Chemistry C* : 124 : 12185-12864 : [DOI : 10.1021/acs.jpcc.0c01859](https://doi.org/10.1021/acs.jpcc.0c01859)

Julie Le Bescont, Chloé Breton-Patient et Sandrine Piguel (2020 Apr 16)  
**Unconventional Reactivity with DABCO-Bis(sulfur dioxide): C-H Bond Sulfonylation of Imidazopyridines**  
*European Journal of Organic Chemistry* : 2020 : 2101-2109 : [DOI : 10.1002/ejoc.202000112](https://doi.org/10.1002/ejoc.202000112)

**Année de publication : 2019**

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Abegão L.M.G., Fonseca R.D., Santos F.A., Rodrigues J.J., Kamada K., Mendonça C.R., Piguel S., De Boni L. (2019 Aug 23)

**First molecular electronic hyperpolarizability of series of  $\pi$ -conjugated oxazole dyes in solution: an experimental and theoretical study**

*RSC Adv.* : 9 : 26476-26482 : [DOI : 10.1039/C9RA05246A](https://doi.org/10.1039/C9RA05246A)

**Année de publication : 2018**

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Tom Baladi, Jessy Aziz, Florent Dufour, Valentina Abet, Véronique Stoven, François Radvanyi, Florent Poyer, Ting-Di Wu, Jean-Luc Guerquin-Kern, Isabelle Bernard-Pierrot, Sergio Marco Garrido, Sandrine Piguel (2018 Nov 1)

**Design, synthesis, biological evaluation and cellular imaging of imidazo[4,5-b]pyridine derivatives as potent and selective TAM inhibitors.**

*Bioorganic & medicinal chemistry* : 26 : 5510-5530 : [DOI : 10.1016/j.bmc.2018.09.031](https://doi.org/10.1016/j.bmc.2018.09.031)

Luis M.G. Abegão, Ruben D Fonseca, Tárcius N Ramos, Florence Mahuteau-Betzer, Sandrine PIGUEL, José J. Rodrigues Jr, Cleber R. Mendonca, Sylvio Canuto, Daniel Luis Silva, and Leonardo De Boni (2018 Apr 12)

**Oxazole dyes with potential for photoluminescence bioprobes: A two-Photon absorption study**

*The Journal of Physical Chemistry C* : 122 : 10526-10534 : [DOI : 10.1021/acs.jpcc.8b01904](https://doi.org/10.1021/acs.jpcc.8b01904)

Marius Mamone, Jessy Aziz, Julie Le Bescont, Sandrine Piguel (2018 Jan 18)

**Aminocarbonylation of N-Containing Heterocycles with Aromatic Amines Using Mo(CO)<sub>6</sub>**

*Synthesis* : 50 : 1521-1526 : [DOI : 10.1055/s-0037-1609152](https://doi.org/10.1055/s-0037-1609152)

**Année de publication : 2017**

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Aziz Jessy, Piguel Sandrine (2017 Aug 25)

**An update on direct C-H bond functionalization of nitrogen-containing fused heterocycles**

*Synthesis* : 49 : 4562-4585 : [DOI : 10.1055/s-0036-1590859](https://doi.org/10.1055/s-0036-1590859)

**Année de publication : 2016**

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Baladi T., Granzhan A., Piguel S. (2016 May 1)

**Microwave-Assisted C-2 Direct Alkenylation of Imidazo[4,5-b]pyridines: Access to Fluorescent Purine Isosteres with Remarkably Large Stokes Shifts**

*European Journal of Organic Chemistry* : 2016 : 2421-2434 : [DOI : 10.1002/ejoc.201600166](https://doi.org/10.1002/ejoc.201600166)

Jessy Aziz, Tom Baladi, Sandrine Piguel (2016 Apr 26)

**Direct Alkynylation of 3H-Imidazo[4,5-b]pyridines Using gem-Dibromoalkenes as Alkynes Source.**

*The Journal of organic chemistry* : 81 : 4122-4133 : DOI : [10.1021/acs.joc.6b00406](https://doi.org/10.1021/acs.joc.6b00406)

Année de publication : 2015

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Tom Baladi, Valentina Abet, Sandrine Piguel (2015 Nov 13)

**State-of-the-art of small molecule inhibitors of the TAM family: the point of view of the chemist.**

*European journal of medicinal chemistry* : 105 : 220-37 : DOI : [10.1016/j.ejmech.2015.10.003](https://doi.org/10.1016/j.ejmech.2015.10.003)

Année de publication : 2014

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Vabre R., Legraverend M., Piguel S. (2014 Jun 1)

**Synthesis and evaluation of spectroscopic properties of newly synthesized push-pull 6-amino-8-styryl purines**

*Dyes and Pigments* : 105 : 145-151 : DOI : [10.1016/j.dyepig.2014.01.025](https://doi.org/10.1016/j.dyepig.2014.01.025)

Vabre R., Couradin J., Naud-Martin D., Legraverend M., Piguel S. (2014 Jan 1)

**Palladium-Catalyzed Cross-Coupling between 8-Substituted 6-Thiophenylpurines and Boronic Acids**

*Synthesis* : 46 : 933-942 : DOI : [10.1055/s-0033-1340734](https://doi.org/10.1055/s-0033-1340734)

Année de publication : 2013

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Ténin Traoré, Andrea Cavagnino, Nicolas Saettel, François Radvanyi, Sandrine Piguel, Isabelle Bernard-Pierrot, Véronique Stoven, Michel Legraverend (2013 Nov 19)

**New aminopyrimidine derivatives as inhibitors of the TAM family.**

*European journal of medicinal chemistry* : 70 : 789-801 : DOI : [10.1016/j.ejmech.2013.10.037](https://doi.org/10.1016/j.ejmech.2013.10.037)

Mahuteau-Betzer F., Piguel S. (2013 Jun 12)

**Synthesis and evaluation of photophysical properties of Series of  $\pi$ -conjugated oxazole dyes**

*Tetrahedron Letters* : 54 : 3188-3193 : DOI : <https://doi.org/10.1016/j.tetlet.2013.04.037>

Rosa M Suárez, Franciane Chevot, Andrea Cavagnino, Nicolas Saettel, François Radvanyi, Sandrine Piguel, Isabelle Bernard-Pierrot, Véronique Stoven, Michel Legraverend (2013 Mar 1)

**Inhibitors of the TAM subfamily of tyrosine kinases: synthesis and biological evaluation.**

*European journal of medicinal chemistry* : 2-25 : DOI : [10.1016/j.ejmech.2012.06.005](https://doi.org/10.1016/j.ejmech.2012.06.005)

**Année de publication : 2012**

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Chevot F., Vabre R., Piguel S., Legraverend M. (2012 Apr 11)

**Palladium-Catalyzed Amidation and Amination of 8-Iodopurine***European Journal of Organic Chemistry* : 2012 : 2889-2893 : [DOI : 10.1002/ejoc.201200168](https://doi.org/10.1002/ejoc.201200168)**Année de publication : 2011**

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Vabre R., Chevot F., Legraverend M., Piguel S. (2011 Jan 1)

**Microwave-Assisted Pd/Cu-Catalyzed C-8 Direct Alkenylation of Purines and Related Azoles: An Alternative Access to 6,8,9-Trisubstituted Purines***The Journal of Organic Chemistry* : 76 : 9542-9547 : [DOI : 10.1021/jo201893h](https://doi.org/10.1021/jo201893h)**Année de publication : 2010**

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Pacheco Berciano B., Lebrequier S., Besselièvre F., Piguel S. (2010 Sep 1)

**1,1-Dibromo-1-alkenes as Valuable Partners in the Copper-Catalyzed Direct Alkynylation of Azoles***Organic Letters* : 12 : 4038-4041 : [DOI : 10.1021/ol1016433](https://doi.org/10.1021/ol1016433)**Année de publication : 2009**

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François Besselièvre, Sandrine Piguel (2009 Dec 7)

**Copper as a powerful catalyst in the direct alkynylation of azoles.***Angewandte Chemie (International ed. in English)* : 48 : 9553-9556 : [DOI : 10.1002/anie.200904776](https://doi.org/10.1002/anie.200904776)

François Besselièvre, Sabrina Lebrequier, Florence Mahuteau-Betzer, Sandrine Piguel (2009 Sep 3)

**C-H Bond Activation: A Versatile Protocol for the Direct Arylation and Alkenylation of Oxazoles***Synthesis* : 2009 : 3511-3518 : [DOI : 10.1055/s-0029-1216987](https://doi.org/10.1055/s-0029-1216987)**Année de publication : 2008**

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Besselièvre F., Piguel S., Mahuteau-Betzer F., Grierson D.S. (2008 Aug 23)

**Stereoselective Direct Copper-Catalyzed Alkenylation of Oxazoles with Bromoalkenes***Organic Letters* : 10 : 4029-4032 : [DOI : 10.1021/ol801512q](https://doi.org/10.1021/ol801512q)

François Besselièvre, Florence Mahuteau-Betzer, David S Grierson, Sandrine Piguel (2008 Mar 20)



Membres de l'équipe  
**Chimie, Modélisation pour la Reconnaissance des Protéines**

**Ligandless microwave-assisted Pd/Cu-catalyzed direct arylation of oxazoles**

*The Journal of organic chemistry* : 3278-3280 : [DOI : 10.1021/jo7027135](https://doi.org/10.1021/jo7027135)