

CURRICULUM VITAE

Diogo S. Lüdtkke

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1 Short CV

Diogo S. Lüdtkke obtained his degree in Chemistry from the Federal University of Santa Maria (UFSM) in 2000. In 2001, he entered the graduate program at the same University, where in 2005 he completed his Ph.D., under the supervision of Prof. Antonio L. Braga. After a postdoctoral stint in the group of Prof. Ronaldo A. Pilli, at the State University of Campinas (UNICAMP, 2006), he started his independent career in 2007, at the School of Pharmaceutical Sciences, University of São Paulo (USP). Since 2011 he has been at the Institute of Chemistry of the Federal University of Rio Grande do Sul (UFRGS), where his main research interests are focused on Stereoselective Synthesis, Organometallic Chemistry & Catalysis, Organoselenium, and Carbohydrate Chemistry. The research on his group has received funding from the Brazilian Funding Agencies CNPq, CAPES, FAPESP and FAPERGS. He was one of the six Brazilian delegates in the 3rd Transatlantic Frontiers of Chemistry Symposium, promoted by GDCh, RSC and ACS (2013), received the 2014 Química Nova Award for young authors, from the Brazilian Chemical Society and the 2018 RSC-BMOS Young Investigator Award from the Royal Society of Chemistry and Brazilian Meeting on Organic Synthesis. From 2013-2017 he was an Affiliated Member of the Brazilian Academy of Sciences. He is the recipient of the CNPq Research Productivity Fellowship (level 1C – top level is 1A)

2 Bibliometric data (as of 25/11/2024)

Diogo S. Lüdtkke	Scientific Output
ORCID: https://orcid.org/0000-0002-9135-4298	Published Articles: 85
ResearcherID: E-3947-2011	Number of citations: 2560
CV Lattes: http://lattes.cnpq.br/0831151849844477	H-index: 30
Google Scholar: eNrok1AAAAAJ&hl=en	Ludtke, DS or Luedtke, DS

3 Selection of the 10 most relevant publications and/or patents

1. Lopes, E. F.; Dietl, M. C.; Ziegler, B.; Rudolph, M.; Barcellos, T.; Oeser, T.; Lüdtke, D. S.; Hashmi, A. S. K. Gold Meets Selenium: Dual Activation of Selenium-Containing Propargyl Alcohols Towards the Synthesis of 2H-Chromenes and Mechanistic Insights. *Chemistry - A European Journal* **2024**, *30*, e202402426. DOI:10.1002/chem.202402426.
2. Tordato, E. A.; Gonçalves, R. O.; Baldassari, L. L.; Lüdtke, D. S.; Paixão, M. W. Expanding the chemical space of electrophilic β -glycosyl β -lactams through diastereoselective functionalization via photoinduced EDA complex. *Organic Letters* **2024**, *26*, 5500-5505. DOI: 10.1021/acs.orglett.4c01844
3. Gonçalves, R. O.; Oliveira, P. H. R.; de Jesus, I. S.; Debia, N. P.; Lüdtke, D. S.; Paixão, M. W. Synthesis of Non-anomeric C-Glycosyl Pyrazolidinones Derivatives via Visible-Light Photoredox Catalysis. *Organic & Biomolecular Chemistry* **2023**, *21*, 5516-5520. DOI: 10.1039/D3OB00775H
4. Baldassari, L. L.; Mantovani, A. C.; Jardim, M.; Maryasin, B.; Lüdtke, D. S. Meyer-Schuster-type Rearrangement for the Synthesis of α -Selenyl- α,β -Unsaturated Thioesters. *Chemical Communications* **2021**, *57*, 117-120. DOI: 10.1039/D0CC07019J.
5. Baldassari, L. L.; Mantovani, A. C.; Senoner, S.; Maryasin, B.; Maulide, N.; Lüdtke, D. S. Redox-Neutral Synthesis of Selenoesters by Oxyarylation of Selenoalkynes under Mild Conditions. *Organic Letters* **2018**, *20*, 5881-5885. DOI: 10.1021/acs.orglett.8b02544
6. Debia, N. P.; Saraiva, M. T.; Martins, B. S.; Beal, R.; Gonçalves, P. F. B.; Rodembusch, F. S.; Alves, D.; Lüdtke, D. S. Synthesis of amino acid-derived 1,2,3-triazoles: development of a non-trivial fluorescent sensor in solution for the enantioselective sensing of a carbohydrate and BSA interaction. *Journal of Organic Chemistry* **2018**, *83*, 1348-1357. DOI: 10.1021/acs.joc.7b02852
7. Baldassari, L. L.; De la Torre, A.; Li, J.; Lüdtke, D. S.; Maulide, N. Ynamide Preactivation Allows a Regio- and Stereoselective Synthesis of α,β -disubstituted Enamides. *Angewandte Chemie-International Edition* **2017**, *56*, 15723-15727. DOI: 10.1002/anie.201709128
8. Martins, B. S.; Moro, A. V.; Lüdtke, D. S. Stereoselective Arylation of Amino Aldehydes: Overriding Natural Substrate Control Through Chelation. *Journal of Organic Chemistry* **2017**, *82*, 3334-3340. DOI: 10.1021/acs.joc.7b00215
9. Silva, L.; Affeldt, R. F.; Lüdtke, D. S. Synthesis of Glycosyl Amides Using Selenocarboxylates as Traceless Reagents for Amide-bond Formation. *Journal of Organic Chemistry* **2016**, *81*, 5464-5473. DOI: 10.1021/acs.joc.6b00832
10. Wouters, A. D.; Lüdtke, D. S. Diastereoselective Addition of Arylzinc Reagents to Sugar Aldehydes. *Organic Letters* **2012**, *14*, 3962-3965. DOI: 10.1021/ol301724x