

Elenco delle pubblicazioni – Dr. Fabrizio Vetica, PhD

h-index = 8, 324 citazioni (WOS/Scopus, 10/06/2021)

Articoli in riviste scientifiche internazionali

- 19. Martina Bortolami, Leonardo Mattiello, Vincenzo Scarano, **Fabrizio Vetica**, Marta Feroci*
“*In Situ Anodically Oxidized BMIm-BF₄: a Safe and Recyclable BF₃ Source*”
Journal of Organic Chemistry, **2021**, accepted.
- 18. Martina Bortolami, Francesca Leonelli, Marta Feroci, **Fabrizio Vetica***
“*Step economy in the Stereoselective Synthesis of Functionalized Oxindoles via Organocatalytic Domino/One-pot Reactions*”
Current Organic Chemistry, **2021**, *11*, 1321.
- 17. Martina Bortolami, Isabella Chiarotto, Leonardo Mattiello, Rita Petrucci, Daniele Rocco, **Fabrizio Vetica**, Marta Feroci
“*Organic Electrochemistry: Synthesis and Functionalization of β -Lactams in the 21st Century*”
Heterocyclic Communications, **2021**, 32.
- 16. **Fabrizio Vetica**,* Martina Bortolami, Rita Petrucci, Daniele Rocco, Marta Feroci*
“*Electrogenerated NHCs in organic synthesis: ionic liquids vs organic solvents effects*”
The Chemical Record, **2021**, DOI: 10.1002/tcr.202000178.
- 15. **Fabrizio Vetica**, Anna Sansone, Cesare Meliota, Gessica Batani, Marinella Roberti, Chryssostomos Chatgililoglu, Carla Ferreri
“*Free radical-mediated formation of trans-cardiolipin isomers, analytical approaches for lipidomics and consequences for the structural organization of membranes*”
Biomolecules, **2020**, *10*, 1189.
- 14. **Fabrizio Vetica**,* Stephen Bailey, Mukesh Kumar, Suruchi Mahajan, Carolina von Essen, Kari Rissanen, Dieter Enders, “*Palladium Catalyzed [3+2] Cycloaddition of Vinyl Aziridine and Indane-1,3-diones: Diastereo- and Enantioselective Access to Spiro-Pyrrolidines*”
Synthesis, **2020**, *52*, 2038.
- 13. Katarzyna Taras-Goslinska†, **Fabrizio Vetica**†, Grażyna Wenska, Sebastián Barata-Vallejo, Virginia Triantakostanti, Bronisław Marciniak, and Chryssostomos Chatgililoglu
“*Converging fate of the oxidation and reduction of 8-thioguanosine*”
Molecules, **2019**, *24*, 3143.
†These authors contributed equally to the paper.
- 11. Dieter Enders, Xiang-Yu Chen, Sun Li, **Fabrizio Vetica**, Mukesh Kumar
“*N-Heterocyclic Carbene Catalyzed Domino Reactions via Two or More Activation Modes*”
iScience, **2018**, 1
- 10. **Fabrizio Vetica**, Pankaj Chauhan, Suruchi Mahajan, Gerhard Raabe, and Dieter Enders
“*Asymmetric Organocatalytic Friedel-Crafts Hydroxyalkylation of Indoles Using Electrophilic Pyrazole-4,5-diones*”
Synthesis, **2018**, *50*, 1039.
- 9. Qiang Liu, Xiang-Yu Chen, Sun Li, **Fabrizio Vetica**, Gerhard Raabe, and Dieter Enders
“*Two-step synthesis of α,β -unsaturated γ -amino acid esters via N-heterocyclic carbene-catalyzed [4+2] cycloaddition of enals and nitroso compounds*”
Synthesis, **2018**, *50*, 127.
- 8. **Fabrizio Vetica**, Stephen Bailey, Pankaj Chauhan, Mathias Turberg, Adjmal Ghaur, Gerhard Raabe, and Dieter Enders
“*Desymmetrization of Cyclopentendiones via Organocatalytic Cross-Dehydrogenative Coupling*”
Advanced Synthesis & Catalysis, **2017**, *359*, 3729.

- 7. **Fabrizio Vetica**, Pankaj Chauhan, Simon Dochain, Dieter Enders
 “Asymmetric organocatalytic synthesis of tetrahydropyrans and their application in total synthesis”
Chemical Society Review, **2017**, 46, 1661.
- 6. Simon Dochain, **Fabrizio Vetica**, Rakesh Puttreddy, Kari Rissanen, and Dieter Enders
 “Combining Organocatalysis and Lanthanide Catalysis: A Sequential One-Pot Quadrupole Domino/Diels-Alder Asymmetric Synthesis of Functionalized Tricycles”
Angewandte Chemie International Edition, **2016**, 55, 16153; *Angewandte Chemie*, **2016**, 128, 16387.
 This paper has been highlighted in: *Synfacts*, **2017**, 13, 0266.
- 5. **Fabrizio Vetica**, Jeanne Fronert, Rakesh Puttreddy, Kari Rissanen, and Dieter Enders
 “Asymmetric organocatalytic synthesis of 4-amino-isochromanones via a direct one-pot intramolecular Mannich reaction”
Synthesis, **2016**, 48, 4451.
- 4. **Fabrizio Vetica**, Renata Marcia de Figueiredo, Emilia Cupioli, Martina Miceli, Augusto Gambacorta, M. Antonietta Loreto, and Tecla Gasperi
 “First Asymmetric Organocatalyzed Domino Friedel-Crafts/Lactonization Reaction in the enantioselective synthesis of the GABAB Receptor Modulator (S)-BHFF”
Tetrahedron Letters, **2016**, 750.
- 3. **Fabrizio Vetica**, Renata Marcia de Figueiredo, Monica Orsini, Daniela Tofani, and Tecla Gasperi
 “Recent Advances in Organocatalytic Cascade Reactions toward the Formation of Quaternary Stereocenters”
Synthesis, **2015**, 47, 2139.
- 1. **Fabrizio Vetica**, Alessandra Pelosi, Augusto Gambacorta, M. Antonietta Loreto, Martina Miceli and Tecla Gasperi
 “Catalytic Friedel-Crafts/Lactonization Domino Reaction: a Facile Access to 3-Hydroxy-Benzofuran-2-one Scaffold”
European Journal of Organic Chemistry, **2014**, 9, 1899.

Capitoli in libri scientifici

- (2.) Tecla Gasperi, Monica Orsini, **Fabrizio Vetica**, Renata Marcia de Figueiredo
 “Organocatalytic Asymmetric Multicomponent Reactions”
 Multicomponent Reactions: Concepts and Applications for Design and Synthesis (Eds Raquel P. Herrera, Eugenia Marqués Lopez), Wiley-VCH, Weinheim, **2015**, Chapter 2

Tesi di dottorato

- (12.) **Fabrizio Vetica**
 “Organocatalytic Asymmetric Synthesis of Isochromanones, Tetranortriterpenoids and Pyrazolone Derivatives”
 ISBN: 978-3-8439-3504-3. Verlag Dr. Hut, Munchen
PhD dissertation, **2018**. (Deutsche Nationalbibliothek, ord. no. 1155056213)