

Elenco delle pubblicazioni – Dr. Fabrizio Vetica, PhD

Indici produzione scientifica calcolati dalle banche dati WOS e Scopus (06/10/2022)

Numero pubblicazioni	27
Citazioni totali	489
Primo autore	13
Corresponding author	7
Ultimo autore	4
IF medio per pubblicazione (anno pubblicazione)	5.39
IF medio per pubblicazione (2021)	6.63
IF totale (2021)	172.436
<i>h</i> -index	11
Media citazioni per pubblicazione	18.1

Articoli in riviste scientifiche internazionali

- 28. Daniele Rocco, Vyali Georgian Moldoveanu, Marta Feroci, Martina Bortolami,* **Fabrizio Vetica***
“*Electrochemical Synthesis of Carbon Quantum Dots*”
ChemElectroChem, **2022**, accepted.
- 27. Elisa Sturabotti, **Fabrizio Vetica**, Giorgia Toscano, Andrea Calcaterra, Andrea Martinelli, Luisa Maria Migneco, Francesca Leonelli
“N-acetyl-L-phenylalanine racemization during TBTU amidation. An in-depth study for the synthesis of anti-inflammatory 2-(N-acetyl)-L-phenylalanyl-amido-2-deoxy-D-glucose (NAPA)”
Molecules, **2023**, 581.
- 26. Luca Pettazzoni, Francesca Leonelli, Andrea Marrani, Luisa Maria Migneco, **Fabrizio Vetica**, Lorenzo Celio, Valerio Napoleone, Sara Alfano, Andrea Colecchia, Francesco Amato, Valerio Di Lisio, Andrea Martinelli
“*Self-healing and reprocessable oleic acid-based elastomer with dynamic S-S bonds as solvent-free reusable pressure sensitive adhesive on copper surface*”
Polymers, **2022**, 4919.
- 25. Antonio Di Sabato, Francesca D’Acunzo, Dario Filippini, **Fabrizio Vetica***, Antonio Brasiello, Davide Corinti, Enrico Bodo, Cinzia Michenzi, Edoardo Panzetta, Patrizia Gentili*
“*Unusually chemoselective photocyclization of 2-(hydroxyimino)aldehydes to cyclobutanol oximes: Synthetic, stereochemical and mechanistic aspects*”
Journal of Organic Chemistry, **2022**, 13803-13818.
- 24. Martina Bortolami, Ingrid Izabela Bogles, Cecilia Bombelli, Fabiana Pandolfi, Marta Feroci,* **Fabrizio Vetica***
“*Electrochemical Bottom-Up Synthesis of Chiral Carbon Dots from L-Proline and Their Application as Nano-Organocatalysts in a Stereoselective Aldol Reaction*”
Molecules, **2022**, 5150.
- 23. Leonardo Straminelli, Francesco Vicentini, Antonio Di Sabato, Carmela Maria Montone, Chiara Cavaliere, Kari Rissanen, Francesca Leonelli, **Fabrizio Vetica***
“*Stereoselective synthesis of spiro-decalin oxindole derivatives via sequential organocatalytic Michael–domino Michael/aldol reaction*”
Journal of Organic Chemistry, **2022**, 10454.
- 22. **Fabrizio Vetica**, Anna Sansone, Carla Ferreri, Chrysostomos Chatgialoglou
“*A Convenient Route to Mono-Trans Polyunsaturated Free Fatty Acids*”
Journal of Chemical Research, **2022**, 1090908.
- 21. **Fabrizio Vetica**, Fabiana Pandolfi, Luca Pettazzoni, Francesca Leonelli, Martina Bortolami
“*Organocatalyst design for the stereoselective annulation towards bicyclic diketones and analogues*”

Symmetry, **2022**, 32.

- 20. Martina Bortolami, Fernando Jr. Piamonte Magboo, Rita Petrucci, **Fabrizio Vetica**, Giuseppe Zollo, Marta Feroci
“Electrogenerated BF₃ From Tetrafluoroborate-Based Ionic Liquids: Theoretical And Experimental Studies Towards Selective Styrene Oxide Isomerization”
Journal of the Electrochemical Society, **2021**, 115501.
- 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**, 16151.
- 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**, 2130.
- 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)