

## **Pubblicazioni della Dr. Francesca Ceccacci**

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- P1) *“Deracemization of an axially chiral biphenylic derivative as a tool for investigating chiral recognition in self-assemblies”*, Stefano Borocci, Francesca Ceccacci, Luciano Galantini, Giovanna Mancini, Donato Monti, Anita Scipioni, Mariano Venanzi, *Chirality* (2003), 15(5), 441-447
- P2) *“Construction and complexation studies of some self-assembled diporphyrin receptors”*, Chiara Fanti, Donato Monti, Laura La Monica, Francesca Ceccacci, Giovanna Mancini, Roberto Paolesse, *Journal of Porphyrins and Phthalocyanines* (2003), 7(2), 112-119
- P3) *“Determination of the rotational barrier of a chiral biphenyl: comparison of theoretical and experimental data”*, Francesca Ceccacci, Giovanna Mancini, Paolo Mencarelli, Claudio Villani, *Tetrahedron: Asymmetry* (2003), 14(20), 3117-3122
- P4) *“Interaction of a chirally functionalized porphyrin derivative with chiral micellar aggregates”*, Veronica Cantonetti, Donato Monti, Mariano Venanzi, Francesca Ceccacci, Cecilia Bombelli, Giovanna Mancini, *Chemical Communications* (2004), 972-973
- P5) *“A new simple procedure for discriminating between deracemization and induced CD effect in chiral recognition experiments on atropoisomers”*, Francesca Ceccacci, Marco Diociaiuti, Luciano Galantini, Giovanna Mancini, Paolo Mencarelli, Anita Scipioni, Claudio Villani, *Organic Letters* (2004), 6(10), 1565-1568
- P6) *“Interaction of a chirally functionalized porphyrin derivative with chiral micellar aggregates. Construction of a system with stereoselective cytochrome-P450 biomimetic activity”*, Veronica Cantonetti, Donato Monti, Mariano Venanzi, Cecilia Bombelli, Francesca Ceccacci, Giovanna Mancini, *Tetrahedron: Asymmetry* (2004), 15(13), 1969-1977
- P7) *“Elucidation of the isomeric domains formed by sodium N-dodecanoyl-L-prolinate”*, Heintz Amenitsch, Cecilia Bombelli, Stefano Borocci, Francesca Ceccacci, Giovanna Mancini, Michael Rappolt, *Journal of Colloid and Interface Science* (2004), 280, 212-218
- P8) *“pH variation as the switch for chiral recognition in a biomembrane model”*, Francesca Ceccacci, Giovanna Mancini, Alessio Sferrazza, Claudio Villani, *Journal of the American Chemical Society*, (2005), 127(40), 13762-13763
- P9) *“Diastereomeric cinchona based surfactants: features and chirality expression of their aggregates”*, Francesca Ceccacci, Oscar Cruciani, Marco Diociaiuti, Luciano Galantini, Wolfgang Lindner, Giovanna Mancini, Giuseppe Formisano, Claudio Villani, *Tetrahedron: Asymmetry*, (2006), 17(10), 1603-1608
- P10) *“Discrimination of the enantiomers of new biphenylic derivatives in chiral micellar aggregates”* Francesca Ceccacci, Luisa Giansanti, Giovanna Mancini, Paolo Mencarelli, Alessandro Sorrenti, *New Journal of Chemistry* (2007), 31(1), 86-92
- P11) *“17 $\alpha$ -substituted derivatives of estradiol with wound-healing activity.”* Gillian Ashcroft, Mario Brufani, Francesca Ceccacci, Paolo Maria Farina, Luigi Filocamo, Barbara Garofalo, Roberta Joudioux, Adriana Maggi, Rinaldo Marini Bettolo, Luisa Maria Migneco, *PCT Int. Appl.* (2007), 45pp, WO 2007/014711 A1, PCT/EP2006/007488.

- P12) "Spectroscopic characterization of 6-hydroxy- and 1-methyl-6-hydroxybicyclo[2.2.2]octan-2-one ethylene acetals and ethylene dithioacetals." Francesca Leonelli, Barbara Garofalo, Angela La Bella, Ermanno Lasta, Francesca Ceccacci, Luisa Maria Migneco, Rinaldo Marini Bettolo, *Magnetic Resonance in Chemistry* (2007), 45(5), 420-423
- P13) "Discrimination of the enantiomers of biphenylic derivatives in micellar aggregates formed by chiral amidic surfactants." Alessandro Alzalamira, Francesca Ceccacci, Donato Monti, Stefano Levi Mortera, Giovanna Mancini, Alessandro Sorrenti, Mariano Venanzi, Claudio Villani, *Tetrahedron: Asymmetry* (2007), 18(15), 1868-1876
- P14) "Bicyclo[2.2.2]octane Analogues of Patchouli Alcohol by Sakurai Reaction and Nagata Cyclization. Synthesis and Olfactory Properties of Novel Isopropyl Derivatives", Angela La Bella, Iliaria Popolla, Marco Felici, Francesca Leonelli, Francesca Ceccacci, Luigi Filocamo, Luisa Maria Migneco, Rinaldo Marini Bettolo, *ARKIVOC* (2008), (iii), 80-90
- P15) "Synthesis of (+)-13-stemarene and (+)-deoxystemarin: expedient preparation of the key exo-hydroxybicyclo[2.2.2]octan-2-one ethylene dithioacetals", Francesca Leonelli, Barbara Caschera, Lavinia Silvestri, Alessandro Prastaro, Gaia Corso, Francesca Ceccacci, Angela La Bella, Luisa Maria Migneco, Rinaldo Marini Bettolo, *Helvetica Chimica Acta* (2008), 91(4), 598-607
- P16) "Enantiodiscrimination of bilirubin-IX $\alpha$  enantiomers in biomembrane models: has chirality a role in bilirubin toxicity?", Francesca Ceccacci, Luisa Giansanti, Stefano Levi Mortera, Giovanna Mancini, Alessandro Sorrenti, Claudio Villani, *Bioorganic Chemistry* (2008), 36(5), 252-254
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- P18) "***Novel Locally Active Estrogens Accelerate Cutaneous Wound Healing. A Preliminary Study***"  
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- P20) "Segregation into domains observed in liquid crystal phases: comparison of experimental and theoretical data" Heinz Amenitsch, Cecilia Bombelli, Stefano Borocci, Ruggero Caminiti, Francesca Ceccacci, Simona Concilio, Camillo La Mesa, Giovanna Mancini, Stefano Piotto, Michael Rappolt. *Soft Matter* (2011), 7(7), 3392-3403
- P21) "Diastereoselective Total Synthesis of (+)-13-Stemarene by Fourth Generation Methods: A Formal Total Synthesis of (+)-18-Deoxystemarin" Francesca Leonelli, Federico Blesi, Paolo Diritto, Andrea Trombetta, Francesca Ceccacci, Angela La Bella, Luisa M. Migneco, Rinaldo Marini Bettolo, *Journal of Organic Chemistry* (2011), 76(16), 6871-6876
- P22) "Structural characterization of zinc(II) chloride in aqueous solution and in the protic ionic liquid ethyl ammonium nitrate by x-ray absorption spectroscopy", Paola D'Angelo, Andrea Zitolo, Francesca Ceccacci, Ruggero Caminiti, and Giuliana Aquilanti, *J. Chem. Phys.* (2011), 135, 154509-7pp. [IF 2.965](#)

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- P26) "Regio- and Diastereoselective Synthesis and X-ray Structure Determination of (+)-2-Deoxyoryzalexin S from (+)-Podocarpic Acid. Structural Nonidentity with Its Nominal Natural Isolated Enantiomer", Leonelli Francesca, Latini Valentina, Andrea Trombetta, Gabriele Bartoli, Francesca Ceccacci, Angela La Bella, Alessio Sferrazza, Doriano Lamba, Luisa M. Migneco, Rinaldo Marini Bettolo, *J. Nat. Prod.* (2012), 75(11), 1944-1950
- P27) "A Combined Theoretical and Experimental Study of Solid Octyl and Decylammonium Chlorides and of Their Aqueous Solutions", Migliorati Valentina, Ballirano Paolo, Gontrani Lorenzo, Materazzi Stefano, Ceccacci Francesca, Caminiti Ruggero, *J. Phys. Chem. B* (2013), 117(25), 7806-7818
- P28) "Conformational isomerisms and nano-aggregation in substituted alkylammonium nitrates ionic liquids: An x-ray and computational study of 2-methoxyethylammonium nitrate", Campetella Marco, Gontrani Lorenzo, Bodo Enrico, Ceccacci Francesca, Marincola Flaminia Cesare, Caminiti Ruggero, *J. Chem. Phys.* (2013), 138(18), 184506/1-184506/7
- P29) **Invited Article:** "Transcription of chirality from molecules to complex systems: the role of hydrophobic interactions", Ceccacci Francesca, Giansanti Luisa, Mancini Giovanna, Mauceri Alessandro, Scipioni Anita, Sperduto Claudio, *Supramol. Chem.* (2013), 25(9-11), 741-747
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- P31) "Surfactant-induced chirality on reluctant aggregates of a chiral amphiphilic cationic (L)-proline-Zn(II)porphyrin conjugate in water", Simoncini Edoardo, Caroleo Fabrizio, Ceccacci Francesca, Mancini Giovanna, Stefanelli Manuela, Paolesse Roberto, Lettieri Raffaella, Venanzi Mariano, Monti Donato, *RSC Advances* (2014), 4(98), 55362-55366
- P32) "Inclusion of new 5-fluorouracil amphiphilic derivatives in liposome formulation for cancer treatment", Manuela Petaccia Maria Condello, Luisa Giansanti, Angela La Bella, Francesca Leonelli, Stefania Meschini, Denise Gradella Villalva, Evelyn Pellegrini, Francesca Ceccacci, Luciano Galantini, Giovanna Mancini, *Med. Chem. Commun.* (2015), 6, 1639-1642

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P36) “Novel Locally Active Estrogens Accelerate Cutaneous Wound Healing-Part 2” Mario Brufani, Nicoletta Rizzi, Clara Meda, Luigi Filocamo, Francesca Ceccacci, Virginia D’Aiuto, Gabriele Bartoli, Angela La Bella, Luisa M. Migneco, Rinaldo Marini Bettolo, Francesca Leonelli, Paolo Ciana and Adriana Maggi, *Scientific Reports* 7, (2017), Article number: 2510, doi:10.1038/s41598-017-02820-y

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