

# Luca Forti

## List of Publications by Citations

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72  
papers

2,057  
citations

24  
h-index

44  
g-index

78  
ext. papers

2,246  
ext. citations

3.6  
avg, IF

4.06  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 72 | Specific structural determinants are responsible for the antioxidant activity and the cell cycle effects of resveratrol. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 22586-94  | 5.4  | 372       |
| 71 | Resveratrol is a peroxidase-mediated inactivator of COX-1 but not COX-2: a mechanistic approach to the design of COX-1 selective agents. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 22727-37  | 5.4  | 182       |
| 70 | Biotransformation of resveratrol: synthesis of trans-dehydrodimers catalyzed by laccases from <i>Myceliophthora thermophyla</i> and from <i>Trametes pubescens</i> . <i>Tetrahedron</i> , <b>2004</b> , 60, 595-600  | 2.4  | 132       |
| 69 | Antiangiogenic and vascular-targeting activity of the microtubule-destabilizing trans-resveratrol derivative 3,5,4Strimethoxystilbene. <i>Molecular Pharmacology</i> , <b>2005</b> , 67, 1451-9  | 4.3  | 98        |
| 68 | A defective ABC transporter of the MRP family, responsible for the bean <i>lpa1</i> mutation, affects the regulation of the phytic acid pathway, reduces seed myo-inositol and alters ABA sensitivity. <i>New Phytologist</i> , <b>2011</b> , 191, 70-83   | 9.8  | 88        |
| 67 | Production of volatile organic compounds (VOCs) by yeasts isolated from the ascocarps of black ( <i>Tuber melanosporum</i> Vitt.) and white ( <i>Tuber magnatum</i> Pico) truffles. <i>Archives of Microbiology</i> , <b>2005</b> , 184, 187-93  | 3    | 86        |
| 66 | Laccase-Catalyzed Dimerization of Hydroxystilbenes. <i>Advanced Synthesis and Catalysis</i> , <b>2007</b> , 349, 1497-1506   | 5.06 | 85        |
| 65 | Biomimetic Oxidation Studies. 8. Structure of a New MMO Active Site Model, [Fe <sub>2</sub> O(H <sub>2</sub> O) <sub>2</sub> (tris((1-methylimidazol-2-yl)methyl)amine) <sub>2</sub> ] <sup>4+</sup> , and Role of the Aqua Ligand in Alkane Functionalization Reactions. <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 3208-3209 | 5.1  | 70        |
| 64 | Anthocyanidins decrease endothelin-1 production and increase endothelial nitric oxide synthase in human endothelial cells. <i>Molecular Nutrition and Food Research</i> , <b>2006</b> , 50, 44-51  | 5.9  | 65        |
| 63 | Halogen atom transfer radical cyclization of N-allyl-N-benzyl-2,2-dihaloamides to 2-pyrrolidinones, promoted by Fe <sup>0</sup> -FeCl <sub>3</sub> or CuCl-TMEDA. <i>Tetrahedron</i> , <b>1997</b> , 53, 14031-14042   | 2.4  | 57        |
| 62 | The influence of benzylic protection and allylic substituents on the CuCl-TMEDA catalyzed rearrangement of N-allyl-N-benzyl-2,2-dihaloamides to lactams. Application to the stereoselective synthesis of pilolactam. <i>Tetrahedron</i> , <b>1999</b> , 55, 5839-5852  | 2.4  | 47        |
| 61 | Biotransformation of electron-poor alkenes by yeasts: Asymmetric reduction of (4S)-(+)-carvone by yeast enoate reductases. <i>Enzyme and Microbial Technology</i> , <b>2009</b> , 45, 463-468  | 3.8  | 39        |
| 60 | Inhibition of mammalian DNA polymerases by resveratrol: mechanism and structural determinants. <i>Biochemical Journal</i> , <b>2005</b> , 389, 259-68  | 3.8  | 38        |
| 59 | Halogen atom transfer radical addition of polychloroesters to olefins promoted by Fe <sup>0</sup> filings. <i>Tetrahedron</i> , <b>1997</b> , 53, 17761-17768  | 2.4  | 36        |
| 58 | Structure-activity relationships of resveratrol and derivatives in breast cancer cells. <i>Molecular Nutrition and Food Research</i> , <b>2009</b> , 53, 845-58  | 5.9  | 34        |
| 57 | The resveratrol analogue 4,4Sdihydroxy-trans-stilbene inhibits cell proliferation with higher efficiency but different mechanism from resveratrol. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2009</b> , 41, 2493-502  | 5.6  | 34        |
| 56 | αvβ3 Integrin-dependent antiangiogenic activity of resveratrol stereoisomers. <i>Molecular Cancer Therapeutics</i> , <b>2008</b> , 7, 3761-70  | 6.1  | 33        |

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|----|---|-----|----|
| 55 | Bioreduction of $\alpha$ -unsaturated ketones and aldehydes by non-conventional yeast (NCY) whole-cells. <i>Bioresource Technology</i> , <b>2011</b> , 102, 3993-8  | 11  | 31 |
| 54 | Synthesis and Anticancer Activity of CDDO and CDDO-Me, Two Derivatives of Natural Triterpenoids. <i>Molecules</i> , <b>2019</b> , 24,   | 4.8 | 30 |
| 53 | The resveratrol analog 4,4-dihydroxy-trans-stilbene suppresses transformation in normal mouse fibroblasts and inhibits proliferation and invasion of human breast cancer cells. <i>Carcinogenesis</i> , <b>2012</b> , 33, 2172-80 | 4.6 | 29 |
| 52 | Non-Conventional Yeasts Whole Cells as Efficient Biocatalysts for the Production of Flavors and Fragrances. <i>Molecules</i> , <b>2015</b> , 20, 10377-98   | 4.8 | 28 |
| 51 | The Fe <sup>0</sup> Promoted Addition of CCl <sub>4</sub> , and CCl <sub>3</sub> Br to Olefins. <i>Synthetic Communications</i> , <b>1997</b> , 27, 961-971   | 1.7 | 27 |
| 50 | Fe <sup>0</sup> initiated halogen atom transfer radical addition of methyl 2-Br-2-Cl-carboxylates to olefins. <i>Tetrahedron Letters</i> , <b>1996</b> , 37, 2077-2078  | 2   | 27 |
| 49 | Stereoselective dehydrobromination of alkyl Br-Cl-carboxylates. <i>Tetrahedron Letters</i> , <b>1995</b> , 36, 3023-3026  | 2.6 | 24 |
| 48 | Antimicrobial activity of spices essential oils and its effectiveness on mature biofilms of human pathogens. <i>Natural Product Research</i> , <b>2020</b> , 34, 567-574  | 2.3 | 24 |
| 47 | Production of flavours and fragrances via bioreduction of (4R)-(-)-carvone and (1R)-(-)-myrtenal by non-conventional yeast whole-cells. <i>Molecules</i> , <b>2013</b> , 18, 5736-48  | 4.8 | 21 |
| 46 | Chemo-enzymatic synthesis of new resveratrol-related dimers containing the benzo[b]furan framework and evaluation of their radical scavenger activities. <i>Tetrahedron</i> , <b>2015</b> , 71, 3052-3058                         | 2.4 | 19 |
| 45 | Structure-activity relationship of resveratrol and its analogue, 4,4-dihydroxy-trans-stilbene, toward the endothelin axis in human endothelial cells. <i>Journal of Medicinal Food</i> , <b>2011</b> , 14, 1173-80                | 2.8 | 19 |
| 44 | Acetals by AlFe-pillared montmorillonite catalysis. <i>Tetrahedron</i> , <b>1997</b> , 53, 15889-15894  | 2.4 | 19 |
| 43 | Biotransformation of acyclic monoterpenoids by <i>Debaryomyces</i> sp., <i>Kluyveromyces</i> sp., and <i>Pichia</i> sp. strains of environmental origin. <i>Chemistry and Biodiversity</i> , <b>2008</b> , 5, 471-83              | 2.5 | 19 |
| 42 | Ruthenium (II) - catalysed oxidation of alcohols by persulfate. <i>Journal of Molecular Catalysis</i> , <b>1993</b> , 79, 85-93   |     | 17 |
| 41 | Iodosobenzene and persulfate oxygenation of saturated hydrocarbons catalyzed by diphosphino complexes of ruthenium(III). <i>Inorganica Chimica Acta</i> , <b>1993</b> , 211, 217-220  | 2.7 | 15 |
| 40 | Reactivity of transition-metal-modified, Keggin-type heteropolycomplexes in the homogeneous oxidation of cyclohexane and adamantane. <i>Journal of Molecular Catalysis A</i> , <b>1997</b> , 127, 85-94                           |     | 14 |
| 39 | Biocatalytic reduction of (+)- and (-)-carvone by bacteria. <i>Comptes Rendus Chimie</i> , <b>2005</b> , 8, 849-852   | 2.7 | 12 |
| 38 | The investigation of resveratrol and analogs as potential inducers of fetal hemoglobin. <i>Blood Cells, Molecules, and Diseases</i> , <b>2016</b> , 58, 6-12  | 2.1 | 11 |

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|----|--|-----|----|
| 37 | Response surface methodology as optimization strategy for asymmetric bioreduction of (4S)-(+)-carvone by <i>Cryptococcus gastricus</i> . <i>Bioresource Technology</i> , <b>2012</b> , 121, 290-7  | 11  | 11 |
| 36 | Assessment of antioxidant and antiproliferative properties of spinach plants grown under low oxygen availability. <i>Journal of the Science of Food and Agriculture</i> , <b>2015</b> , 95, 490-6  | 4.3 | 10 |
| 35 | Combined effects of LED lights and chicken manure on <i>Neochloris oleoabundans</i> growth. <i>Bioresource Technology</i> , <b>2017</b> , 244, 1261-1268   | 11  | 9  |
| 34 | Study of , , and for their lipogenic aptitude from different carbon sources. <i>Biotechnology for Biofuels</i> , <b>2016</b> , 9, 259  | 7.8 | 9  |
| 33 | The CuBr/Fe0 Promoted Radical Addition of Methyl 2-Br-2-Cl-Carboxylates to OLEFINS. <i>Synthetic Communications</i> , <b>1996</b> , 26, 1699-1710  | 1.7 | 9  |
| 32 | Effective ruthenium-catalysed oxidation of chlorinated olefins by monopersulfate in aqueous medium. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1994</b> , 253   |     | 9  |
| 31 | Ruthenium-catalyzed oxidation of alkylaromatics by monopersulfate with preferential oxidative fission of the benzene ring. <i>Journal of Molecular Catalysis</i> , <b>1993</b> , 84, 59-66   |     | 9  |
| 30 | Ferrocene promoted addition of methyl 2,2-dichloro-carboxylates to 1-alkenes. <i>Tetrahedron</i> , <b>1997</b> , 53, 4419-4426   | 2.4 | 8  |
| 29 | Telechelic oligomers by halogen atom transfer radical addition. <i>Tetrahedron</i> , <b>1998</b> , 54, 7849-7856   | 2.4 | 7  |
| 28 | Reductive homo-coupling of methyl 2-Br-2-Cl-carboxylates promoted by CuBr?Fe0. <i>Tetrahedron Letters</i> , <b>1995</b> , 36, 1103-1106  | 2   | 7  |
| 27 | Zinc Promoted Addition of Methyl 2,2-Dihalocarboxylates to Carbonyl Compounds. <i>Synthetic Communications</i> , <b>1996</b> , 26, 4113-4122   | 1.7 | 7  |
| 26 | Application of the response surface methodology (RSM) for optimizing the production of volatile organic compounds (VOCs) by <i>Trichosporon moniliiforme</i> . <i>Enzyme and Microbial Technology</i> , <b>2006</b> , 39, 1341-1346        | 3.8 | 6  |
| 25 | Cyclization of Citronellal to Menthone and Isomenthone Catalyzed by Al/Fe-Pillared Clays. <i>Synthesis</i> , <b>2001</b> , 2001, 0052-0054   | 2.9 | 6  |
| 24 | Co-ordination behaviour of N-protected amino acids. Structural and spectroscopic study of complexes of CoII, NiII and CuII with N-(4-aminobenzoyl)glycine. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1991</b> , 2955 |     | 6  |
| 23 | Conformationally constrained amino acids: a convenient approach to cis-2,3-methano-GABAs. <i>Tetrahedron Letters</i> , <b>1999</b> , 40, 3233-3234   | 2   | 5  |
| 22 | Easy approach to 3-benzylimino-2-pyrrolidinones from 3-chloro-4-chloromethyl-2-pyrrolidinones. <i>Tetrahedron Letters</i> , <b>1999</b> , 40, 8595-8597  | 2   | 5  |
| 21 | The CuBr/Fe promoted olefin alkylation by 2-Br-2-Cl-carboxylate methyl esters. <i>Tetrahedron Letters</i> , <b>1995</b> , 36, 2509-2510  | 2   | 5  |
| 20 | Toxicity of the purple mucus of the polychaete <i>Halla parthenopeia</i> (Oeonidae) revealed by a battery of ecotoxicological bioassays. <i>Scientia Marina</i> , <b>2014</b> , 78, 589-595  | 1.8 | 5  |

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|----|---|-----|---|
| 19 | Sound perception and its effects in plants and algae. <i>Plant Signaling and Behavior</i> , <b>2020</b> , 15, 1828674   | 2.5 | 5 |
| 18 | Non-Conventional Yeasts as Sources of Ene-Reductases for the Bioreduction of Chalcones. <i>Fermentation</i> , <b>2020</b> , 6, 29   | 4.7 | 4 |
| 17 | Rapid method for screening enoate reductase activity in yeasts. <i>Journal of Microbiological Methods</i> , <b>2010</b> , 83, 106-10  | 2.8 | 4 |
| 16 | Rearrangement of N-Allyl- $\alpha$ -dichloroamides, $\alpha$ - or $\beta$ -Functionalized, to Substituted Analogues of the $\gamma$ -Aminobutyric Acid (GABA). <i>Synthetic Communications</i> , <b>1999</b> , 29, 3739-3748        | 1.7 | 4 |
| 15 | An efficient procedure to $\beta$ -hydroxyaldehyde dimethyl acetals. <i>Tetrahedron</i> , <b>1994</b> , 50, 7897-7902   | 2.4 | 4 |
| 14 | Enantioselective esterase activity of an industrial glutaryl acylase. <i>Tetrahedron: Asymmetry</i> , <b>2005</b> , 16, 2509-2513   |     | 3 |
| 13 | Nonconventional Yeast-Promoted Biotransformation for the Production of Flavor Compounds <b>2018</b> , 165-187   |     | 3 |
| 12 | Oxygen Availability during Growth Modulates the Phytochemical Profile and the Chemo-Protective Properties of Spinach Juice. <i>Biomolecules</i> , <b>2019</b> , 9,  | 5.9 | 2 |
| 11 | Kinetic resolutions of racemic amines and alcohols catalyzed by an industrial glutaryl-7-aminocephalosporanic acid acylase with unexpected broad substrate specificity. <i>Tetrahedron: Asymmetry</i> , <b>2003</b> , 14, 1091-1094 |     | 2 |
| 10 | Coordinative capability of propane-1,3-diamine: spectroscopic and structural properties of a complex of formula $[Cd(pnH)4Cl2]Cl4$ . <i>Inorganica Chimica Acta</i> , <b>1991</b> , 189, 13-18                                      | 2.7 | 2 |
| 9  | Solid state behaviour of N-tosyl-DL-asparagine-Cu(II)-2,2'-bipyridine system. <i>Inorganica Chimica Acta</i> , <b>1991</b> , 187, 197-200   | 2.7 | 2 |
| 8  | Biological Effect of Different Spinach Extracts in Comparison with the Individual Components of the Phytocomplex. <i>Foods</i> , <b>2021</b> , 10,  | 4.9 | 2 |
| 7  | N-(2-Hydroxyalkyl)-2,2-dihaloamides by Amino-de-alkoxylation of Methyl 2,2-Dihaloalkoxylates. <i>Synthetic Communications</i> , <b>1996</b> , 26, 3517-3526   | 1.7 | 1 |
| 6  | VALORIZATION OF GLASS WASTES AS SUPPORT FOR LIPASE IMMOBILIZATION. <i>Environmental Engineering and Management Journal</i> , <b>2016</b> , 15, 1933-1940  | 0.6 | 1 |
| 5  | A tuning point in plant acoustics investigation. <i>Plant Signaling and Behavior</i> , <b>2021</b> , 16, 1919836  | 2.5 | 1 |
| 4  | Synergy between mechanical injury and toxins triggers the urticating system of marine fireworms. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2021</b> , 534, 151487  | 2.1 | 1 |
| 3  | An Expedient Catalytic Process to Obtain Solketal from Biobased Glycerol. <i>Processes</i> , <b>2021</b> , 9, 141   | 2.9 | 0 |
| 2  | Enoate Reductases for Reduction of Electron Deficient Alkenes <b>2012</b> , 87-114  |     |   |

1 Microalgae potential in the capture of CO2 emission. *Acta Innovations*, **2021**, 19-27

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