

- P1. A. Bianco, P. Passacantilli, G. Righi." New iridoid glucosides from *Tecomma capensis*"- *J. Nat. Prod. (Lloydia)* **1983**, 46, 314. Stampato in maggio-giugno 1983.
- P2. A. Bianco, P. Passacantilli, G. Righi, M. Nicoletti." Iridoid glucosides from *Parentucellia viscosa*" - *Phytochemistry* **1985**, 24, 1843.
- P3. A. Bianco, P. Passacantilli, G. Righi, M. Nicoletti, M. Serafini, J.A. Garbarino, V. Gambaro."Argylioside, a dimeric iridoid glucoside from *Argylia radiata*"- *Phytochemistry* **1986**, 25, 946.
- P4. A. Bianco, P. Passacantilli, G. Righi, J.A. Garbarino, V. Gambaro, M. Serafini, M. Nicoletti. " Iridoids in equatorial and tropical flora VIII. 7-deoxy-epiloganic- acid "- *Planta medica* **1986**, 1, 55. Stampato in febbraio 1986.
- P5. A. Bianco, P. Passacantilli, G. Righi, M. Nicoletti, M. Serafini."10-deoxymelittoside, an iridoid diglucoside, and other iridoids from *Lamiastrum galeobdon*" - *Phytochemistry* **1986**, 25, 1981.
- P6. A. Bianco, P. Passacantilli, G. Righi, M. Nicoletti, M. Serafini, J.A. Garbarino, V. Gambaro."7-deoxygardoside, a new acid iridoid glucoside from *Argylia radiata* "- *Gazz. Chim. Ital.* **1986**, 116, 67. Stampato il 13 marzo 1986.
- P7. A. Bianco, P. Passacantilli, G. Righi, M. Nicoletti, M. Serafini, J.A. Garbarino, V. Gambaro, M.C. Chamy."Radiatoside B and C, two new bisiridoid glucosides from *Argylia radiata*" - *Planta medica* **1987**, 53, 385.
- P8. A. Bianco, P. Passacantilli, G. Righi."Improved procedure for the reduction of esters to alcohols by sodium borohydride" - *Synthetic Communication* **1988**, 18, 1765. Stampato in ottobre 1988.
- P9. A. Bianco, P. Passacantilli, G. Righi, M. Brufani, L. Cellai, E. Marchi, M.R. Milani. "Synthesis of 2-hydroxyacetyl-7-acetyl-xantone" - *Il Farmaco* **1989**, 44, 547. Stampato in giugno 1989.
- P10. A. Bianco, P. Passacantilli, G. Righi."Mild hydrogenolysis process by catalytic transfer hydrogenation" - *Tetrahedron Lett.* **1989**, 30, 1405.
- P11. C. Bonini, R. Di Fabio, S. Mecozzi, G. Righi. "One pot cyclization of epoxyolefins to substituted cycloalkanols via free radicals"- *Tetrahedron Lett.* **1990**, 31, 5369. Stampato il 3 settembre 1990.
- P12. A. Bianco, P. Passacantilli, J.A. Garbarino, V. Gambaro, M. Serafini, M. Nicoletti, C. Rispoli, G. Righi. "A new non-glycosidic iridoid and a new bisiridoid from *Argylia radiata*" - *Planta Medica* **1991**, 57, 286. Stampato in giugno 1991.
- P13. R. Berdini, A. Bianco, M. Guiso, E. Marini, M. Nicoletti, P. Passacantilli, G. Righi. "Isolation and partial synthesis of 7,8-dehydro-6 $\beta$ ,10-dihydroxy-11-norirido-myrmecin" - *J. Nat. Prod.* **1991**, 54, 1400. Stampato in settembre-ottobre 1991.

- P14. A. Bianco, C. Bonini, R. Di Fabio, S. Mecozzi, A. Proposito, G. Righi.. “Studies in the diastereoselective reduction of  $\beta$ -hydroxyketones to 1,3-diols with common hydride reagents” - *Gazz. Chim. Ital.* **1991**, 121, 75. Stampato il 26 febbraio 1991.
- P15. C. Bonini, G. Righi, G. Sotgiu. “Regioselective opening of epoxyalcohols: mild chemo and stereoselective preparation of iodohydrines and 1,2 diols”- *J. Org. Chem.* **1991**, 56, 6206. Stampato l’11 ottobre 1991.
- P16. A. Bianco, G. Naccarato, P. Passacantilli, G. Righi, M.L. Scarpati.”Partial synthesis of oleuropein” - *J. Nat. Prod. (Lloydia)* **1992**, 55, 760. Stampato in giugno 1992.
- P17. C. Bonini, G. Righi. “Diols obtained via chemo and regioselective ring opening of epoxyalcohols: a straightforward synthesis of 2S, 3S-Octandiol”- *Tetrahedron* **1992**, 48, 1531. Stampato il 21 febbraio 1992.
- P18. C. Bonini, C. Giuliano, G. Righi, L. Rossi. “An easy procedure for the highly regioselective conversion of epoxides to halohydrins”- *Synth. Comm.* **1992**, 22,1863. Stampato in luglio 1992.
- P19. C. Bonini, G. Righi, L. Rossi “Iterative diastereoselective reduction of hydroxy diketoesters to all 1,3,5 *syn* triols: synthesis of C1-C10 fragment of Nystatin A1”-*Tetrahedron* **1992**, 48,9801. Stampato il 30 ottobre 1992.
- P20. C. Bonini, C. Giuliano, G. Righi, L. Rossi. “A new unusual C-1 substitution of 2,3 epoxyalcohols with LiI: regio and stereoselective obtaining of 1-iodo-2,3 diols and 2,3 diols”-*Tetrahedron Lett.* **1992**, 33, 7429. Stampato il 24 novembre 1992.
- P21. C. Bonini, R. Racioppi, G. Righi, L. Viggiani. “Polyhydroxylated chiral building block by enzymatic desymmetrization of *meso* 1,3 *syn* diols “-*J. Org. Chem.* **1993**, 58, 802. Stampato il 12 febbraio 1993.
- P22. C. Bonini, R. Racioppi, G. Righi, L. Rossi, L. Viggiani. “Enzyme-catalized desymmetrization of *meso*-skipped polyols to useful chiral building blocks”- *Tetrahedron: Asymmetry* **1993**, 4,793. Stampato in maggio 1993.
- P23. C. Bonini, G. Righi. “Regio and chemoselective synthesis of halohydrins by cleavage of oxiranes with metal halide”- review su *Synthesis* **1994**, 3, 225. Stampato in marzo 1994.
- P24. C. Bonini, L. Chiummiento, C. Federici, M. Funicello, G. Righi, L. Rossi. “Ring opening of 2,3-epoxy 1-tosylates to halohydrins and subsequent elaboration to asymmetrical alcohols”- *Tetrahedron Lett.* **1994**, 35, 797. Stampato il 31 gennaio 1994.
- P25. C. Bonini, R. Racioppi, G. Righi, L. Rossi. “Boron mediated one-pot aldol-reduction sequence: enantio and diastereoselective synthesis of typical polyketide fragments”- *Tetrahedron: Asymmetry* **1994**, 5, 173. Stampato in febbraio 1994.
- P26. C. Bonini, G. Righi “Enantio and stereoselective route to the Taxol side chain *via* asymmetric epoxydation of *trans*-Cinnamyl alcohol and subsequent epoxide ring opening”- *J. Chem. Soc. Chem. Comm.* **1994**, 2767. Stampato il 21 dicembre 1994.

- P27. C. Bonini, M. Checconi, G. Righi, L. Rossi "Enantio and stereoselective synthesis of(5R, 6S)-6-Acetoxy-hexadecanolide, a mosquito oviposition attractant pheromone"- *Tetrahedron* **1995**, *51*, 4111. Stampato il 3 aprile 1995.
- P28 C. Bonini, C. Federici, G. Righi, L. Rossi. "C-1 Reactivity of 2,3-epoxy alcohols via oxirane ring opening with metal halides: applications and synthesis of naturally occurring 2,3-Octandiol, Muricatacina, 3-Octanol and 4-Dodecanolide"- *J. Org. Chem.* **1995**, *60*, 4803. Stampato il 28 luglio 1995.
- P29. C. Bonini, G. Righi, G. Rumboldt "A simple route to  $\alpha$ -amino- $\beta$ -hydroxy esters by C-2 regioselective opening of  $\alpha,\beta$ -epoxy esters with metal halides"- *Tetrahedron* **1995**, *51*, 13401. Stampato il 27 novembre 1995.
- P30. G. Righi, L. Rossi "Mild regioselective catalytic hydrogenation of  $\alpha,\beta$ -unsaturated carbonyl compounds with Lindlar catalyst"- *Synth. Comm.* **1996**, *26*, 1321. Stampato in aprile 1996
- P31. C. Bonini, G. Righi, G. Rumboldt. "Stereoselective preparation of *syn*  $\alpha$ - hydroxy - $\beta$ - amino esters units via regioselective opening of  $\alpha,\beta$ -epoxy esters: enantioselective synthesis of Taxol C-13 side chain and Cyclohexyl Norstatine"- *J. Org. Chem.* **1996**, *61*, 3557. Stampato il 17 maggio 1996
- P32. C. Bonini, A. Giugliano, R. Racioppi, G. Righi "Synthesis of the C<sub>1</sub>-C<sub>10</sub> fragment of the macrolide antibiotic Nystatin A<sub>1</sub> from a chiral building block obtained via chemoenzymatic approach"- *Tetrahedron Lett.* **1996**, *37*, 2487. Stampato l'1 aprile 1996.
- P33. C. Bonini, G. Righi, R. D'Achille "Regioselective opening of 3-substituted N-ethoxycarbonyl aziridine-2-carboxylates with metal halides toward the preparation of  $\alpha$  and  $\beta$ -aminoacids"- *Tetrahedron Lett.* **1996**, *37*, 6893. Stampato il 16 settembre 1996.
- P34. C. Bonini, G. Righi, R. D'Achille, A. Chionne "Metal halide-mediated opening of three membered rings: enantioselective synthesis of (2S, 3R)-3-Amino-2-hydroxydecanoic acid and (3R)-3-Aminodecanoic acid" *Tetrahedron:Asymmetry* **1997**, *8*, 903. Stampato il 27 marzo 1997.
- P35. C. Bonini, M. D'Auria, V. Esposito, G. Righi "A study on the open chain model for transition state structures in the nucleophylic addition to  $\beta$ -substituted carbonyl compounds and its application to the 1,3-asymmetric induction" *Tetrahedron* **1998**, *53*, 13419.
- P36. Carlo Bonini, Giuliana Righi, Tiziana Franchini "Highly Regioselective Opening of 3-Substituted N-BOC-2,3- Aziridino Alcohol Derivatives with Metal Halide" *Tetrahedron Lett.* **1998**, *39*, 2385.
- P37. C. Bonini, L. Chiummiento, M. Funicello, L. Marconi, G. Righi " Chiral polypropionate subunity a chemoenzymatic approach" *Tetrahedron: Asymmetry* **1998**, *9*, 2559-2561.
- P38. G. Righi, P. Bovicelli, A. Sperandio "A mild preparation of  $\alpha$ -halo-  $\alpha,\beta$ -enones from cyclic enones" *Tetrahedron Lett.* **1999**, *40*, 5889-5892.

- P39. Account: Righi, G.; Bonini, C. "Metal halides opening of oxirane and aziridine ring: recent methodologies and application to the synthesis of natural products" *Recent Res. Devel. Organic Chem.* **1999**, 3, 343-356.
- P40. G. Righi " Critical surveys covering the year 1998: introduction and trasformation of functional groups" *Seminar in Organic Synthesis. XXIV Summer School "A. Corbella"*, **1999**, 321-400.
- P41. G. Righi, P. Bovicelli, A. Sperandio "An easy deoxygenation of conjugated epoxides"*Tetrahedron* **2000**, 56, 1733-1737.
- P42. Righi, G.; Chionne, A.; Bonini, C. "Chelation control in the ring opening and organometallic addition of  $\alpha,\beta$ -epoxy aldehydes: a new entry to amino dihydroxyethylene dipeptide isostere subunits" *Eur. J. Org. Chem.* **2000**, 3127-3131.
- P43. Antonioletti, R.; Righi, G.; Olivieri, L.; P. Bovicelli "An easy approach to dihydrofurans by one-step cyclisation of 2-alkenyl substituted 1,3-dicarbonyl compounds" *Tetrahedron Lett.* **2000**, 41, 10127-10130.
- P44. G. Righi, P. Bovicelli, R. Antonioletti, E. Fazzolari "Stereo- and regiocontrolled transformations of vinyloxiranes with metal halides" *Tetrahedron Lett.* **2000**, 41, 9315-9318.
- P45. Account: G. Righi, C. Bonini "Functionalised epoxides and aziridines: reactivity with metal halides and synthetic applications" *Target in heterocyclic synthesis* **2001**, 139-165.
- P46. Righi, G.; Pescatore, G.; Bonadies, F.; Bonini, C. "A study on the chelation control in the regioselective opening of 2,3-bifunctionalised epoxides" *Tetrahedron* **2001**, 57, 5649-5656.
- P47. Righi, G.; Pietrantonio, S.; Bonini, C. "Stereocontrolled 'one pot' organometallic addition-ring opening reaction of  $\alpha,\beta$ -aziridine aldehydes. A new entry to *syn* 1,2-amino alcohols" *Tetrahedron* **2001**, 57, 10039-10046.
- P48. Righi, G.; Ronconi, S.; Bonini, C. "A study on the 'non-chelation controlled organometallic addition to *trans*  $\alpha,\beta$ -epoxy aldehydes. A straightforward stereoselective synthesis of the Abbot amino dihydroxyethylene dipeptide isoster" *Eur. J. Org. Chem.* **2002**, 1573-1577.
- P49. Review: G. Righi, C. Bonini "A critical outlook and comparison of enantioselective oxidation methodologies of olefins" *Tetrahedron* **2002**, 58, 4981-5021.
- P50. Righi, G.; Spirito, F.; Bonini C. "Stereoselective aldol condensation of boron enolates to *trans*  $\alpha,\beta$ -epoxy aldehydes" *Tetrahedron Lett.* **2002**, 43, 4737-4740.
- P51. G. Righi, P. Bovicelli, C. Potini "Stereo- and regiocontrolled ring opening of alkenyl aziridines with metal halides" *Tetrahedron Lett.* **2002**, 43, 5867-5869.
- P52. C. Bonini, I. Infante, F. Lelj, G. Righi "A first theoretical study on the origin of the metal-mediated regioselective opening of 2,3-epoxy alcohols" . *J. Org. Chem.* **2003**, 68, 3773-3780.

- P53. G. Righi, C. D'Achille, G. Pescatore, C. Bonini "New enantioselective synthesis of the peptidic aminopeptidase inhibitors bestatin, phebestin and probestin" *Tetrahedron Lett.* **2003**, 44, 6999-7002.
- P54. G. Righi, S. Catullo "2,3-Bifunctionalised aziridines: regioselective MgBr<sub>2</sub>-mediated opening under "chelation controlled" conditions" *Synth. Comm.* **2004**, 34, 85-97.
- P55. G. Righi, S. Ciambrone "Stereocontrolled addition of boron enolates to *trans* α,β-aziridine aldehydes. A new route to *anti* 1,2-aminoalcohols. *Tetrahedron Lett.* **2004**, 45, 2103-2106.
- P56. G. Righi, R. Antonioletti, S. Ciambrone, F. Fiorini "Stereocontrolled synthesis of α-furyl amines and α-furyl carbinols" *Tetrahedron Lett.* **2005**, 46, 5467-5470.
- P57. G. Righi, S. Ciambrone, C. Bonini "Stereocontrolled transformations of *trans* α,β - aziridine aldehydes towards different amino hydroxylated structures" *Synth. Comm.* **2006**, 36, 1157-1165.
- P58. G. Righi, S. Ciambrone, C. D'Achille, A. Leonelli, C. Bonini "Highly efficient stereoselective synthesis of D-*erythro*-Sphingosine and D-*lyxo*-Phytosphingosine" *Tetrahedron* **2006**, 62, 11821-11826.
- P59. G. Righi, S. Ciambrone, A. Pompili, F. Caruso "An easy *one-pot* stereoselective synthesis of 4-substituted and 4,5-disubstituted oxazolidin-2-ones from N-Boc-2,3-aziridino alcohols" *Tetrahedron Lett.* **2007**, 48, 7713-7716.
- P60. G. Righi, S. Ciambrone, C. Bonini, P. Campaner "Stereocontrolled synthesis and biological activity of two diastereoisomers of the potent HIV-1 protease inhibitor Saquinavir" *Bioorg. Med. Chem.* **2008**, 16, 902-908.
- P61. Righi, Giuliana; Ferrara, Angela; Mari, Alessandra; Bovicelli, Paolo "Novel Stereocontrolled Preparation of Amino Polyols from 2,3-Aziridine Alcohols" *Synthetic Communications* **2010**, 40, 1650-1657.
- P62. Righi, Giuliana; Ciambrone, Simona; Esuperanzi, Evelina; Montini, Francesca; Pelagalli, Romina "MgBr<sub>2</sub>-mediated opening of 2,3-three membered heterocyclic amines" *Journal of Heterocyclic Chemistry* **2010**, 47, 564-568.
- P63. Righi, Giuliana; Antonioletti, Roberto; Silvestri, Ilaria Proietti; D'Antona, Nicola; Lambusta, Daniela; Bovicelli, Paolo. "Convergent Synthesis of Mosloflavone, Negletein and Baicalein from Crysins" *Tetrahedron* **2010**, 66, 1294-1298.
- P64. Righi, Giuliana; Salvati Manni, Livia; Bovicelli, Paolo; Pelagalli, Romina "A new, simple and mild azidolysis of vinyl epoxides" *Tetrahedron Lett.* **2011**, 52, 3895-3896.
- P65. Righi, Giuliana; Bovicelli, Paolo; Montini, Francesca; Meloni, Federica; Mandic' Emanuela Pelagalli, Romina "New highly efficient stereoselective synthesis of D-threo-PDMP" *Synthesis* **2011**, 3318.
- P66. Righi, Giuliana; Bovicelli, Paolo; Barontini, Maurizio; Tirotta, Ilaria "Dimethyl carbonate in the regio- and stereocontrolled opening of three-membered heterocyclic rings" *Green Chemistry* **2012**, 2, 495-502.

- P67. Righi, Giuliana; Mantineo, Agnese; Suber, Lorenza; Mari, Alessandra “Ti(O-iPr)<sub>4</sub> promoted regio- and stereoselective aminolysis of 2,3-epoxy amides” *Synlett* **2012**, 23, 1947.
- P68. Righi, Giuliana; Bovicelli, Paolo; Marucci, Cristina; Ilaria Tirotta “BF<sub>3</sub>•Et<sub>2</sub>O/TMSN<sub>3</sub> mediated regioselective azidolysis of vinyl aziridines” *Synthesis* **2012**, 44, 3202-3208
- P69. Righi, Giuliana; Bovicelli, Paolo; Mandic’, Emanuela; Naponiello, Gaia Clara Mercedes; Ilaria Tirotta”Study on the stereochemical control of dihydroxylation of vinyl epoxides and their derivatives” *Tetrahedron* **2012**, 68, 2984
- P70. Righi, Giuliana; Antonioletti, Roberto; Pelagalli, Romina “A highly regioselective azidolysis of 2,3-epoxy amines: an unexpected [Ti(O-i-Pr)2(N3)2] mediated C-2 opening” *Tetrahedron Lett.* **2012**, 53, 5582
- P71. Righi, Giuliana; Scotti, Giorgio; Caruso, Francesco; Rossi, Miriam; Mecozzi, Francesco; Antonioletti, Roberto; Pelagalli, Romina “Lewis acid-mediated azidolysis of 2,3-three membered heterocyclic amines” *Tetrahedron* **2013**, 69, 9557-9563.
- P72. Righi, Giuliana; Bovicelli, Paolo; Ilaria Tirotta”New one-pot procedure for the synthesis of diprotected amino alcohols from unprotected vinyl aziridines” *Tetrahedron Lett.* **2013**, 54, 6439-6442.
- P73. Barontini, M.; Proietti Silvestri, I.; Nardi, V.; Bovicelli, P.; Pari, L.; Gallucci, F.; Spezia, R.; Righi, G. “Easy eco-friendlyphenoniumion production from phenethylalcohols in dimethyl carbonate” *Tetrahedron Letters* **2013**, 54(37), 5004-5006. DOI: 10.1016/j.tetlet.2013.06.122
- P74. Lombardo, E.; Sabellico, C.; Hajek, J.; Stankova, V.; Filipsky, T.; Balducci, V.; De Vito, P.; Leone, S.; Bavavea, E. I.; ProiettiSilvestri, I.; Righi, G.; Luly, P.; Saso, L.; Bovicelli, P.; Pedersen, J. Z.; Incerpi, S. “Protection of Cells against Oxidative Stress by Nanomolar Levels of Hydroxyflavones Indicates a New Type of Intracellular Antioxidant Mechanism” *Plos One* **2013**, 8(4), e60796. DOI: 10.1371/journal.pone.0060796
- P75. Barontini, M.; ProiettiSilvestri, I.; Nardi, V.; Crisante, F.; Pepe, G.; Pari, L.; Gallucci, F.; Bovicelli, P.; Righi, G. “Synthesis and biological evaluation of gallic acid analogs” *Medicinal Chemistry Research* **2013**, 22(2), 674-680. DOI: 10.1007/s00044-012-0052-8
- P76. Banerjee, P.; Sahoo, A.; Anand, S.; Ganguly, A.; Righi, G.; Bovicelli, P.; Saso, L.; Chakrabarti, S. *Neuromolecular Medicine* **2014**, 16, 787-798.