

ELENCO DELLE PUBBLICAZIONI**Prof. OSVALDO LANZALUNGA**

1. E. Baciocchi, M. Crescenzi, O. Lanzalunga "Hydrogen Atom Transfer vs. Electron Transfer in Iron(III) Porphyrin catalysed Benzylic Oxidations" *J. Chem. Soc. Chem. Commun.* 687-688 (1990)
2. R. Amodeo, E. Baciocchi, M. Crescenzi, O. Lanzalunga "Selectivity and Mechanism in the Microsomal Benzylic Hydroxylation" *Tetrahedron Lett.*, **31**, 3477-3480 (1990)
3. E. Baciocchi, E. Fasella, O. Lanzalunga, M. Mattioli "Stereochemistry of the C-S Bond Cleavage in 1-Phenylethyl Phenyl Sulphide Radical Cation: Evidence for a Unimolecular Pathway" *Angew. Chem. Int. Ed. Engl.*, **32**, 1071-1073 (1993)
4. E. Baciocchi, O. Lanzalunga "Side-Chain Oxidation of Benzyltrimethylsilanes by Iodosylbenzene in the Presence of Iron and Manganese Porphyrins" *Tetrahedron*, **49**, 7267-7276 (1993)
5. E. Baciocchi, R. Bernini and O. Lanzalunga "One-Electron Oxidation of 2,2-Dimethyl-2-Silaindane by Potassium 12-Tungstocobalt(III)ate. Lack of Evidence for Stereoelectronic Effects on the Cleavage of a β -Carbon Silicon Bond in an Aromatic Cation Radical" *J. Chem. Soc., Chem. Commun.*, 1691-1692 (1993).
6. E. Baciocchi, O. Lanzalunga, F. Marconi "The Mechanism of Enzymatic and Biomimetic Oxidations of Aromatic Sulfides and Sulfoxides" *Tetrahedron Lett.*, **35**, 9771-9774 (1994)
7. E. Baciocchi, O. Lanzalunga, A. Lapi "Formation of Quinones in the Iron Porphyrin Catalyzed Oxidation of Benzene and Alkylbenzenes by Magnesium Monoperoxyphthalate" *Tetrahedron Lett.*, **36**, 3547-3548 (1995)
8. E. Baciocchi, F. D'Acunzo, C. Galli, O. Lanzalunga "Tertiary:Secondary:Primary C-H Bond Relative Reactivity in the One-Electron Oxidation of Alkylbenzenes. A Tool to Distinguish Electron Transfer from Hydrogen Atom Transfer Mechanisms" *J. Chem. Soc. Perkin Trans. 2*, 133-140 (1996)
9. E. Baciocchi, M. Ioele, O. Lanzalunga, S. Malandrucchio, S. Steenken "Oxidation of Sulfides by Peroxidases. Involvement of Radical Cations and the Rate of the Oxygen Rebound Step" *J. Am. Chem. Soc.*, **118**, 8973-8974 (1996)
10. E. Baciocchi, O. Lanzalunga, C. Crescenzi "Photoinduced Electron Transfer Reactions of Benzyl Phenyl Sulfides Promoted by 9,10-Dicyanoanthracene" *Tetrahedron*, **53**, 4469-4478 (1997).
11. E. Baciocchi, O. Lanzalunga, B. Pirozzi "Oxidations of Benzyl and Phenethyl Phenyl Sulfides. Implications for the Mechanism of the Microsomal and Biomimetic Oxidations of Sulfides" *Tetrahedron Symposium- in-Print "Recent Aspects of S, Se and Te Chemistry"*, **53**, 12287-12298 (1997)
12. E. Baciocchi, M. Bietti, M. Ioele, O. Lanzalunga, S. Steenken "Mechanism of the Oxidation of Alkylaromatics and Aromatic Sulfides by Cytochrome P-450 and Peroxidases" in "Free Radicals in Biology and Environment" Minisci F., Ed.; Nato Asi Series; Kluwer Academic Publishers, Dordrecht, 1997; vol. 27, p. 109-119.

13. E. Baciocchi, S. Belvedere, M. Bietti, O. Lanzalunga "One Electron Oxidation of α -Alkylbenzyl Alcohols Induced by Potassium 12- Cytochrome P450" *Eur. J. Org. Chem.*, 299-302 (1998)
14. E. Baciocchi, O. Lanzalunga, A. Lapi, L. Manduchi "Kinetic Deuterium Isotope Effect Profiles and Substituent Effects in the Oxidative N-Demethylation of N,N-Dimethylanilines Catalyzed by Tetrakis-(pentafluorophenyl)-porphyrin Iron(III) Chloride" *J. Am. Chem. Soc.*, **120**, 5783-5787 (1998)
15. E. Baciocchi, M. Bietti, O. Lanzalunga, S. Steenken "Oxygen Acidity of 1-Arylalkanol Radical Cations. 4-Methoxycumyloxyl Radical as C(Me)₂-O⁻-to-Nucleus Electron-Transfer Intermediate in the Reaction of 4-Methoxycumyl Alcohol Radical Cation with OH⁻" *J. Am. Chem. Soc.*, **120**, 11516-11517 (1998)
16. E. Baciocchi, T. Del Giacco, F. Elisei, O. Lanzalunga "Homolytic vs Heterolytic C-H Bond Cleavage in Alkylaromatic Radical Cations. Formation of Diarylmethyl Cation in the Photoinduced Electron Transfer Reaction of Bis(4-methoxyphenyl)methane Sensitized by Chloranil" *J. Am. Chem. Soc.*, **120**, 11800-11801 (1998)
17. Enrico Baciocchi, Massimo Bietti, Osvaldo Lanzalunga, Steen Steenken "Some New Aspects of the Side-Chain Reactions of Aromatic Radical Cations" *Atualid. Fis.-Quim. Org.*, **11**, 21-37, (1998)
18. E. Baciocchi, O. Lanzalunga and L. Manduchi "Prochiral Selectivity and Deuterium Kinetic Isotope Effect in the Oxidation of Benzyl Alcohol Catalyzed by Chloroperoxidase" *Chem. Commun.*, 1715-1716 (1999)
19. A.Cuppoletti, C.Dagostin, C.Florea, C.Galli, P.Gentili, O.Lanzalunga, A.Petride, H.Petride "The Oxidation of N-benzyl Aziridine Induced by Iron Porphyrin: Radical vs. Electron Transfer Mechanism" *Chem. Eur. J.*, **5**, 2993-2999 (1999)
20. E. Baciocchi, M. Francesca Gerini, O. Lanzalunga, A. Lapi, S. Mancinelli and P. Mencarelli "Oxidative N-demethylation of N,N-dimethylanilines catalysed by Lignin Peroxidase. A mechanistic insight by a deuterium kinetic isotope effect study" *Chem. Commun.*, 393-394 (2000)
21. T. Del Giacco, F. Elisei, O. Lanzalunga "Photoinduced Hydrogen- and Electron- Transfer Processes Between Chloranil and Aryl Alkyl Sulfides in Organic Solvents. Steady-state and Time-resolved Studies" *Phys. Chem. Chem. Phys.*, **2**, 1701-1708 (2000)
22. E. Baciocchi, M. Bietti and O. Lanzalunga "Mechanistic Aspects of β -Bond Cleavage Reactions of Aromatic Radical Cations" *Acc. Chem. Res.*, **33**, 243-251 (2000)
23. E. Baciocchi, M. Francesca Gerini, Patricia J. Harvey, O. Lanzalunga and S. Mancinelli "Oxidation of Aromatic Sulfides by Lignin Peroxidase from *Phanerochaete Chrysosporium*" *Eur. J. Biochem.*, **267**, 2705-2710 (2000)

24. O. Lanzalunga, M. Bietti "Photo- and Radiation Chemical Studies of Lignin Model Compounds", review article: *J. Photochem. Photobiol., B: Biology*, **56**, 85-108 (2000)
25. E. Baciocchi, M. Fabbrini, O. Lanzalunga, L. Manduchi, G. Pochetti "Prochiral selectivity in H₂O₂-promoted oxidation of arylalkanols catalysed by chloroperoxidase. The role of the interactions between the OH group and the amino-acid residues in the enzyme active site" *Eur. J. Biochem.*, **268**, 665-672 (2001)
26. Enrico Baciocchi, M. Francesca Gerini, Osvaldo Lanzalunga, Andrea Lapi, Maria Grazia Lo Piparo, Simona Mancinelli "Isotope Effect Profiles in the Oxidative *N*-Demethylation of *N,N*-Dimethylanilines Catalysed by Lignin Peroxidase and a Chemical Model" *Eur. J. Org. Chem.*, 2305-2310 (2001)
27. Tiziana Del Giacco, Enrico Baciocchi, Osvaldo Lanzalunga, Fausto Elisei "Competitive Decay Pathways of the Radical Ions Formed by Photoinduced Electron Transfer between Quinones and 4,4'-Dimethoxydiphenylmethane in Acetonitrile" *Chem. Eur. J.*, **7**, 3005-3013 (2001)
28. Enrico Baciocchi, Massimo Bietti, Maria Francesca Gerini, Osvaldo Lanzalunga, Simona Mancinelli "Oxidation of non-phenolic β -*O*-aryl lignin model dimers catalysed by lignin peroxidase. Comparison with the oxidation induced by potassium 12-tungstocobalt(III)ate" *J. Chem. Soc. Perkin Trans. 2*, 1506-1511 (2001)
29. Enrico Baciocchi, Maria Francesca Gerini, Patricia J. Harvey, Osvaldo Lanzalunga, Alma Prosperi "Kinetic Deuterium Isotope Effect in the Oxidation of Veratryl Alcohol Promoted by Lignin Peroxidase and Chemical Oxidant" *J. Chem. Soc. Perkin Trans. 2*, 1512-1515 (2001)
30. Massimo Bietti, Osvaldo Lanzalunga "Spectral Properties and Reactivity of Diarylmethanol Radical Cations in Aqueous Solution. Evidence for Intramolecular Charge Resonance" *J. Org. Chem.*, **67**, 2632-2638 (2002).
31. Enrico Baciocchi, Massimo Bietti, Maria Francesca Gerini, Osvaldo Lanzalunga "The mediation of veratryl alcohol in the oxidation promoted by lignin peroxidase: The lifetime of veratryl alcohol radical cation" *Biochem. Biophys. Res. Commun.*, **293**, 832-835 (2002)
32. E. Baciocchi, M. F. Gerini, O. Lanzalunga, S. Mancinelli "Lignin Peroxidase Catalysed Oxidation of 4-Methoxymandelic Acid. The Role of Mediator Structure." *Tetrahedron*, **58**, 8087-8093 (2002)
33. Enrico Baciocchi, Maria Francesca Gerini, Osvaldo Lanzalunga, Andrea Lapi and Maria Grazia Lo Piparo "Mechanism of the oxidation of aromatic sulfides catalysed by a water soluble iron porphyrin" *Org. Biomol. Chem.*, **1**, 422-426 (2003)
34. Maria Francesca Gerini, Osvaldo Lanzalunga "One Electron Oxidation of Benzyltrialkylsilanes catalysed by Lignin Peroxidase: Comparison with the Oxidation Induced by Chemical Oxidants" *Biochem. Biophys. Res. Commun.*, **303**, 567-571 (2003)
35. Enrico Baciocchi, Claudia Fabbri, Osvaldo Lanzalunga "Lignin Peroxidase-Catalyzed Oxidation of Non-Phenolic Trimeric Lignin Model Compounds: Fragmentation Reactions in the Intermediate Radical Cations" *J. Org. Chem.*, **68**, 9061-9069 (2003)

36. Francesca D'Acunzo, Osvaldo Lanzalunga "First Synthesis of a Polysaccharide Supported Lignin Model Compound and Study of its Oxidation Promoted by Lignin Peroxidase" *Biochem. Biophys. Res. Commun.*, **313**, 17-21 (2004)
37. Claudia Annunziatini, Maria Francesca Gerini, Osvaldo Lanzalunga, Marco Lucarini "Aerobic Oxidation of Benzyl Alcohols Catalyzed by Aryl Substituted *N*-Hydroxyphthalimides. Possible Involvement of a Charge-Transfer Complex" *J. Org. Chem.*, **69**, 3431-3438 (2004)
38. Carla S. Aureliano Antunes, Massimo Bietti, Osvaldo Lanzalunga, Michela Salamone "Photolysis of 1-Alkylcycloalkanols in the Presence of (Diacetoxiodo)benzene and I₂. Intramolecular Selectivity in the β -Scission Reactions of the Intermediate 1-Alkylcycloalkoxyl Radicals" *J. Org. Chem.*, **69**, 5281-5289 (2004)
39. Carlo Galli, Patrizia Gentili, Osvaldo Lanzalunga, Marco Lucarini, Gian Franco Pedulli "Spectrophotometric, EPR and kinetic characterisation of the $>N-O\cdot$ radical from 1-hydroxybenzotriazole, a key reactive species in mediated enzymatic oxidations" *Chem. Commun.*, 2356-2357 (2004)
40. Enrico Baciocchi, Maria Francesca Gerini, Osvaldo Lanzalunga "Reactivity of Phthalimide *N*-Oxyl Radical (PINO) towards the Phenolic O-H Bond. A Kinetic Study" *J. Org. Chem.*, **69**, 8963-8966 (2004).
41. Claudia Annunziatini, Paola Baiocco, Maria Francesca Gerini, Osvaldo Lanzalunga, Birger Sjögren "Aryl Substituted *N*-Hydroxyphthalimides as Mediators in the Laccase-Catalysed Oxidation of Lignin Model Compounds and Delignification of Wood Pulp" *J. Mol. Catal. B: Enzym.*, **32**, 89-96 (2005)
42. Massimo Bietti, Osvaldo Lanzalunga, Michela Salamone "Structural Effects on the β -Scission Reaction of Alkoxyl Radicals. Direct Measurements of the Absolute Rate Constants of Ring Opening of Benzocycloalken-1-oxyl Radicals" *J. Org. Chem.*, **70**, 1417-1422 (2005)
43. Massimo Bietti, Claudia Fabbri, Osvaldo Lanzalunga "Generation and Reactivity of Ketyl Radicals with Lignin Related Structures. On the Importance of the Ketyl Pathway in the Photoyellowing of Lignin Containing Pulps and Papers" *J. Org. Chem.*, **70**, 2720-2728 (2005)
44. Carla S. Aureliano Antunes, Massimo Bietti, Gianfranco Ercolani, Osvaldo Lanzalunga, Michela Salamone "The Effect of Ring Substitution on the *O*-Neophyl Rearrangement of 1,1-Diaryloxy Radicals. A Product and Time-Resolved Kinetic Study" *J. Org. Chem.*, **70**, 3884-3891 (2005)
45. Enrico Baciocchi, Massimo Bietti, Maria Francesca Gerini, Osvaldo Lanzalunga "Electron Transfer Mechanism in the *N*-Demethylation of *N,N*-Dimethylanilines by the Phthalimide-*N*-Oxyl Radical" *J. Org. Chem.*, **70**, 5144-5149 (2005)
46. P. Astolfi, P. Brandi, C. Galli, P. Gentili, M.F. Gerini, L. Greci, O. Lanzalunga "New mediators for the enzyme laccase: mechanistic features and selectivity in the oxidation of non-phenolic substrates" *New J. Chem.*, **29**, 1308-1317 (2005)
47. E. Baciocchi, M. F. Gerini, T. del Giacco, O. Lanzalunga "Rates of C-S Bond Cleavage in *t*-Alkyl Phenyl Sulfide Radical Cations" *Org. Lett.*, **8**, 641-644 (2006)

48. E. Baciocchi, T. del Giacco, P. Giombolini, O. Lanzalunga "C-S Bond cleavage in the sensitized photooxygenation of *t*-alkyl phenyl sulfides. The role of superoxide anion" *Tetrahedron*, **62**, 6566-6573 (2006)
49. Enrico Baciocchi, Tiziana Del Giacco, Maria Francesca Gerini, Osvaldo Lanzalunga "Aryl Sulfoxide Radical Cations. Generation, Spectral Properties and Theoretical Calculations Fragmentation Reactions of Radical Cations" *J. Phys. Chem. A*, **110**, 9940-9948 (2006)
50. Enrico Baciocchi, Massimo Bietti, Osvaldo Lanzalunga "Fragmentation Reactions of Radical Cations" Review Commentary, *J. Phys. Org. Chem.*, **19**, 467-478 (2006)
51. Massimo Bietti, Osvaldo Lanzalunga, Michela Salamone "Involvement of Alkoxy Radical Intermediates in the Photolysis of 1-Alkylcycloalkanols in the Presence of Bis(pyridine)iodonium Tetrafluoroborate. Comparison with the (Diacetoxyiodo)-benzene/I₂ System" *J. Photochem. Photobiol. A: Chem.*, **182**, 33-37 (2006)
52. C. Aurisicchio, E. Baciocchi, M. F. Gerini, O. Lanzalunga "Thermal and Photochemical Racemization of Aromatic Sulfoxides via the Intermediacy of Sulfoxide Radical Cations" *Org. Lett.*, **9**, 1939-1942 (2007)
53. Enrico Baciocchi, Tiziana Del Giacco, Osvaldo Lanzalunga, Andrea Lapi, Daniele Raponi "The Singlet Oxygen Oxidation of Chlorpromazine and Some Phenothiazine Derivatives. Products and Reaction Mechanisms" *J. Org. Chem.*, **72**, 5912-5915 (2007)
54. Enrico Baciocchi, Massimo Bietti, Massimo Di Fusco, Osvaldo Lanzalunga "A Kinetic Study of the Electron Transfer Reaction of the Phthalimide-N-Oxyl Radical (PINO) with Ferrocenes" *J. Org. Chem.*, **72**, 8748-8754 (2007)
55. Enrico Baciocchi, Tiziana Del Giacco, Osvaldo Lanzalunga, Andrea Lapi "Singlet Oxygen Promoted Carbon-Heteroatom Bond Cleavage in Dibenzyl Sulfides and Tertiary Dibenzylamines. Structural Effects and the Role of Exciplexes" *J. Org. Chem.*, **72**, 9582-9589 (2007)
56. Claudia Aurisicchio, Claudia Fabbri, Osvaldo Lanzalunga "Iron porphyrins-catalysed oxidation of α -alkyl substituted mono and dimethoxylated benzyl alcohols" *Cent. Eur. J. Chem.*, **6**, 145-153 (2008)
57. Enrico Baciocchi, Alessandra Calcagni, Osvaldo Lanzalunga "A Kinetic Study of the Reaction of *N,N*-Dimethylanilines with 2,2-Diphenyl-1-picrylhydrazyl Radical. A Concerted Proton Electron Transfer?" *J. Org. Chem.*, **73**, 4110-4115 (2008)
58. C. Galli, P. Gentili, O. Lanzalunga "Aminoxyl Radicals: Synthetic and Mechanistic Issues" Minireview, *Angew. Chem. Int. Ed. Engl.*, **47**, 4790-4796 (2008)
59. Enrico Baciocchi, Tiziana Del Giacco, Osvaldo Lanzalunga, Paolo Mencarelli, Barbara Procacci "Photosensitized Oxidation of Alkyl Phenyl Sulfoxides. C-S Bond Cleavage in Alkyl Phenyl Sulfoxide Radical Cations" Featured article, *J. Org. Chem.*, **73**, 5675-5682 (2008)

60. Enrico Baciocchi, Osvaldo Lanzalunga, Andrea Lapi, Laura Maggini "Stereochemistry of the C-S Bond Cleavage in *Cis*-2-methylcyclopentyl Phenyl Sulfoxide Radical Cation" *J. Org. Chem.* **74**, 1805-1808 (2009)
61. Andrea Lapi, Enrico Baciocchi, Osvaldo Lanzalunga, Cinzia Chiappe, Tiziana Del Giacco, Chiara Fasciani, Bernardo Melai "Reaction of Singlet Oxygen with Thioanisole in Ionic Liquids: a Solvent Induced Mechanistic Dichotomy" *Org. Lett.* **11**, 1413-1416 (2009)
62. Enrico Baciocchi, Massimo Bietti, Massimo Di Fusco, Osvaldo Lanzalunga, Daniele Raponi "The Electron Transfer Properties of Short-Lived *N*-oxyl Radicals. Kinetic Study of the Reactions of Benzotriazole-*N*-Oxyl Radicals with Ferrocenes. Comparison with the Phthalimide-*N*-Oxyl Radical" *J. Org. Chem.* **74**, 5576-5583 (2009)
63. Enrico Baciocchi, Massimo Bietti, Osvaldo Lanzalunga, Andrea lapi, Daniele Raponi "*N*-Demethylation of *N,N*-Dimethylanilines by the Benzotriazole-*N*-Oxyl Radical: Evidence for a Two Step Electron Transfer-Proton Transfer Mechanism" *J. Org. Chem.* **75**, 1378-1385 (2010)
64. Massimo Bietti, Gino A. DiLabio, Osvaldo Lanzalunga, Michela Salamone "Electron Transfer Properties of Alkoxy Radicals. A Time-Resolved Kinetic Study of the Reactions of the *tert*-Butoxyl, Cumyloxyl, and Benzyloxyl Radicals with Alkyl Ferrocenes" *J. Org. Chem.* **75**, 5875-5881 (2010)
65. Enrico Baciocchi, Cinzia Chiappe, Tiziana Del Giacco, Chiara Fasciani, Osvaldo Lanzalunga, Andrea Lapi, "Reaction of Singlet Oxygen with Thioanisole in Ionic Liquid-Acetonitrile Binary Mixtures" *Org. Lett.* **12**, 5116-5119 (2010)
66. Enrico Baciocchi, Marta Bettoni, Tiziana Del Giacco, Osvaldo Lanzalunga, Marco Mazzonna, Paolo Mencarelli, "Structure and C-S Bond Cleavage in Aryl 1-Methyl-1-Arylethyl Sulfide Radical Cations" *J. Org. Chem.* **76**, 573-582 (2011)
67. Enrico Bodo, Stefano Di Stefano, Osvaldo Lanzalunga, Luigi Mandolini, Marco Mazzonna, "Photoinversion of Sulfoxides as a Source of Diversity in Dynamic Combinatorial Chemistry" *Org. Lett.* **13**, 142-145 (2011)
68. Massimo Bietti, Gino A. DiLabio, Osvaldo Lanzalunga, Michela Salamone, "A Time-Resolved Kinetic Study of the Electron Transfer Reactions Between Ring-Substituted Cumyloxyl Radicals and Alkyl Ferrocenes. Evidence for a Inner-Sphere Mechanism" *J. Org. Chem.* **76**, 1789-1794 (2011)
69. Enrico Baciocchi, Massimo Bietti, Claudio D'Alfonso, Osvaldo Lanzalunga, Andrea Lapi, Michela Salamone, "One-Electron Oxidation of Ferrocenes by Short-Lived *N*-oxyl Radicals. The Role of Structural Effects on the Intrinsic Electron Transfer Reactivities" *Org. Biomol. Chem.*, **9**, 4085-4090 (2011)
70. D. Dondi, P. Cimino, V. Barone, A. Buttafava, O. Lanzalunga, A. Fautitano, "Matrix EPR and QM Study of a Model Aromatic Thioether Radical-Cation" *Tetrahedron Lett.*, **52**, 4097-4102 (2011)
71. Roberta Cacciapaglia, Stefano Di Stefano, Osvaldo Lanzalunga, Leonardo Maugeri, Marco Mazzonna, "A Photodynamic Library of Tetrasulfinylcalix[4]arenes: The Sulfinyl Dance"

Eur. J. Org. Chem., 1426-1430 (2012)

72. Osvaldo Lanzalunga, Andrea Lapi, "Recent Photo- and Radiation Chemical Studies of Sulfur Radical Cations"
J. Sulfur Chem. **33**, 101-129 (2012).
73. Tiziana Del Giacco, Osvaldo Lanzalunga, Marco Mazzonna, Paolo Mencarelli, "Structural and Solvent Effects on the C-S Bond Cleavage in Aryl Triphenylmethyl Sulfide Radical Cations"
J. Org. Chem. **77**, 1843-1852 (2012)
74. Carlos Bueno-Alejo, Claudio D'Alfonso, Natalia Pacioni, María González-Béjar, Michel Grenier, Osvaldo Lanzalunga, Emilio Alarcon, Juan Scaiano, "Ultraclean custom-derivatized monodisperse gold nanoparticles through laser drop ablation of polymorph gold nanostructures"
Langmuir **28**, 8183-8189 (2012).
75. Maria Alessandra Alisi, Mario Brufani, Nicola Cazzolla, Francesca Ceccacci, Patrizia Dragone, Marco Felici, Guido Furlotti, Barbara Garofalo, Angela La Bella, Osvaldo Lanzalunga, Francesca Leonelli, Rinaldo Marini Bettolo, Caterina Maugeri, Luisa Maria Migneco, Vincenzo Russo, "DPPH Radical Scavenging Activity of Paracetamol Analogues" *Tetrahedron* **68**, 10180-10187 (2012)
76. Osvaldo Lanzalunga, "C-S Bond Cleavage in Aromatic Sulfide Radical Cations"
Phosphorus, Sulfur and Silicon and the Related Elements **188**, 322-330 (2013).
77. Claudio D'Alfonso, Massimo Bietti, Gino DiLabio, Osvaldo Lanzalunga, Michela Salamone, "Reactions of the Phthalimide N-Oxyl Radical (PINO) with Activated Phenols: The Important Role of π -Stacking Interactions to Hydrogen Atom Transfer Rates"
J. Org. Chem. **78**, 1026-1037 (2013)
78. Tullio Cavattoni, Tiziana Del Giacco, Osvaldo Lanzalunga, Marco Mazzonna, Paolo Mencarelli, "Structural Effects on the C-S Bond Cleavage in Aryl *tert*-Butyl Sulfoxide Radical Cations" *J. Org. Chem.* **78**, 4886-4894 (2013).
79. Geniece L. Hallett-Tapley, Claudio D'Alfonso, Natalia L. Pacioni, Christopher D. McTiernan, Marià González-Bèjar, Osvaldo Lanzalunga, Emilio I. Alarcon, Juan C. Scaiano "Gold nanoparticle catalysis of the cis-trans isomerization of azobenzene" *Chem. Commun.* **49**, 10073-10075 (2013).
80. Giorgio Olivo, Osvaldo Lanzalunga, Luigi Mandolini, Stefano Di Stefano, "Substituent Effect on the Catalytic Activity of Bipyrrrolidine Based Iron Complexes"
J. Org. Chem. **78**, 11508 (2013)
81. Claudio D'Alfonso, Osvaldo Lanzalunga, Andrea Lapi, Raffaella Vadalà "Comparing the Catalytic Efficiency of Ring Substituted 1-Hydroxybenzotriazoles as Laccase Mediators"
Tetrahedron **70**, 3049-3055 (2014)
82. Marco Mazzonna, Massimo Bietti, Gino A. DiLabio, Osvaldo Lanzalunga, Michela Salamone "The Importance of π -Stacking Interactions in the Hydrogen Atom Transfer Reactions from Activated Phenols to Short-Lived N-oxyl Radicals" *J. Org. Chem.* **79**, 5209-5218 (2014).

83. Maria Grazia Capraro, Paola Franchi, Osvaldo Lanzalunga, Andrea Lapi, Marco Lucarini "Chiral N-hydroxybenzamides as Potential Catalysts for Aerobic Asymmetric Oxidations" *J. Org. Chem.* **79**, 6435-6443 (2014).
84. Giorgio Olivo, Giorgio Arancio, Luigi Mandolini, Osvaldo Lanzalunga, Stefano Di Stefano "Hydrocarbon Oxidation Catalyzed by a Cheap Nonheme Imine-based Iron(II) Complex" *Catal. Sci. Technol.* **4**, 2900-2903 (2014).
85. Tiziana Del Giacco, Osvaldo Lanzalunga, Andrea Lapi, Marco Mazzonna, Paolo Mencarelli "Photosensitized Oxidation of Aryl Benzyl Sulfoxides. Evidence for Nucleophilic Assistance to the C-S Bond Cleavage of Aryl Benzyl Sulfoxide Radical Cations" *J. Org. Chem.* **80**, 2310-2318 (2015).
86. Alessia Barbieri, Martina De Gennaro, Stefano Di Stefano, Osvaldo Lanzalunga, Andrea Lapi, Marco Mazzonna, Giorgio Olivo and Barbara Ticconi "Isotope Effect Profiles in the *N*-demethylation of *N,N*-dimethylanilines. A Key to Determine the pK_a of Nonheme Fe(III)-OH Complexes" *Chem. Commun.* **51**, 5032-5035 (2015).
87. Giorgio Olivo, Martina Nardi, Diego Vidal, Alessia Barbieri, Andrea Lapi, Laura Gomez, Osvaldo Lanzalunga, Miquel Costas, Stefano Di Stefano "C-H Bond Oxidation Catalyzed by an Imine Based Iron Complex: A Mechanistic Insight" *Inorg. Chem.* **54**, 10141-10152 (2015).