

Publicazioni

1. "Benzodithiophene and Benzotrithiophene as π -Cores for Two- and Three-Blade Propeller-Shaped Ferrocenyl-Based Conjugated Systems" Rossi, S.; Bisello, A.; Cardena, R.; Orian, L.; Santi, S. *Eur. J. Org. Chem.* **2017**, 5966–5974.
2. "Hydrogen-Bond-Assisted, Concentration-Dependent Molecular Dimerization of Ferrocenyl Hydantoins" Bisello, A.; Rossi, S.; Cardena, R.; Santi, S. *Organometallics* **2017**, *36*, 2190–2197.
3. "Charge Transfer Properties of Benzo[*b*]thiophene Ferrocenyl Complexes" Donoli, A.; Bisello, A.; Cardena, R.; Crisma, M.; Orian, L.; Santi, S. *Organometallics* **2015**, *34*, 4451–4463.
4. "Key multi(ferrocenyl) complexes in the interplay between electronic coupling and electrostatic interaction" Santi, S.; Bisello, A.; Cardena, R.; Donoli, A. *Dalton Trans.*, **2015** *44*, 5234–5257.
5. "Design, Synthesis and Optoelectronic Properties of Aminoacid Derivatives of Poly(arylene ethynylene) Platforms: Hybrid Bio-Synthetic Systems for Sensing Applications" Chiarini, M.; Ricci, A.; Pizzoferrato, R.; Santi, S.; Lo Sterzo, C. *Curr. Org. Chem.* **2015**, *19*, 1063–1076.
6. "Charge Transfer Properties in Cyclopenta[*l*]phenanthrene Ferrocenyl Complexes" Donoli, A., Bisello, A., Cardena, R., Prinzivalli, C., Santi, S. *Organometallics* **2014**, *33*, 1135-1143.
7. "Fundamental aspects of molecular plating and production of smooth crack-free Nd targets" Vascon, A., Santi, S., Isse, A. A., Reich, T., Drebert, J., Christ, H., Eberhardt, K., Düllmann, C. E. *J. Radioanal. Nucl. Chem.* **2014**, 1085-1091.
8. "New bis-ferrocenyl end-capped peptides: synthesis and charge transfer properties" Donoli, A., Marcuzzo, V., Moretto, A., Crisma M, Toniolo C, Cardena R, Bisello A, Santi S. *Biopolymers* **2013** *100*, 14-24
9. "Smooth crack-free targets for nuclear applications produced by molecular plating" Vascon, A.; Vascon, A., Santi, S., Isse, A. A., Kühnle, A., Reich, T., Drebert, J., Eberhardt, K., Düllmann, C. E., *NIM A* **2013**, *714*, 163-175.
10. "Large excited state two photon absorptions in the near infrared region of surprisingly stable radical cations of (ferrocenyl)indenes" Orian, L., Scuppa, S., Santi, S., Meneghetti, M. *Phys. Chem. Chem. Phys.* **2013**, *15* 12971-12976.
11. "Charge transfer properties of multi(ferrocenyl)trindenes" Donoli, A., Bisello, A., Cardena, R., Prinzivalli, C., Santi, S. *Organometallics* **2013** , *32*, 1029 -1036.
12. "Elucidation of constant current density molecular plating" Vascon, A.; Santi, S.; Isse, A. A.; Reich, T ; Drebert, J; Christ, H; Dullmann, CE; Eberhardt, *NIM A* **2012**, *696*, 180-191.
13. "Anti-Kasha's Rule Fluorescence Emission in (2-Ferrocenyl)indene Generated by a Twisted Intramolecular Charge-Transfer (TICT) Process" Scuppa, S; Orian, L; Donoli, A; Santi, S; Meneghetti, M *J.Phys. Chem A* **2011**, *115*, 8344-8349.
14. "Electron transfer within C₄ unsaturated s pacers between terminal ferrocenyl moieties" Donoli, A; Bisello, A; Cardena, R.; Ceccon, A; Bassetti, M; D'Annibale, A; Pasquini, C; Raneri, A; Santi, S. *Inorg. Chim. Acta* **2011**, *374*, 442-446.
15. "Platinum(II) chloride indenyl complexes: electrochemical and biological evaluation" Dalla Via, L; Santi, S; Di Noto, V; Venzo, A; Agostinelli, E; Calcabrini, A; Condello, M; Toninello, A *J. Biol. Inorg. Chem.* **2011**, *16*, 695-713.

16. Charge Mapping in 3_{10} -Helical Peptide Chains by Oxidation of the Terminal Ferrocenyl Group
Donoli, A; Marcuzzo, V; Moretto, A; Toniolo, C; Cardena, R; Bisello, A; Santi, S *Org. Lett.* **2011**, *13*, 1282-1285.
17. "Single Two-Electron Transfers and Successive One-Electron Transfers in Biferrocenyl-Indacene Isomers" Donoli, A; Bisello, A; Cardena, R; Benetollo, F; Ceccon, A; Santi, S *Organometallics* **2011**, *30*, 1116-1121.
18. "Intervalence Charge Transfer in Cationic Heterotrinnuclear Fe(III)-Rh(I)-Cr(0) Triads of the Polyaromatic Cyclopentadienyl-Indenyl Ligand", Santi S., Durante C., Donoli A., Bisello A., Orian L., Ceccon A., Benetollo F. *Organometallics* **2010**, *29*, 2046.
19. "Mapping charge delocalization in a peptide chain triggered by oxidation of a terminal ferrocene moiety", Moretto A., Marcuzzo V., Donoli A., Cardena R., Toniolo C., Santi S. *J. Pept. Sci.* **2010**, *16*, 192.
20. "Mapping Charge Delocalization in a Peptide Chain Triggered by Oxidation of a Terminal Ferrocene Moiety". Moretto A, Marcuzzo V, Donoli A, Cardena R, Toniolo C, Santi S. **2010**. In: Michal Lebl. Tales of Peptides Proceedings of the Thirty-First European Peptide Symposium. vol. 2010, p. 584-585, San Diego: Prompt Scientific Publishing, ISBN: 9780971556058.
21. "Nonlinear Absorption Properties and Excited State Dynamics of Ferrocene", Scuppa S., Orian, L., Dini D., Santi, S., Meneghetti, M., *J. Phys. Chem. A* **2009**, *113*, 9286.
22. "Mixed valence properties in ferrocenyl-based bimetallic FeCp-indenyl-ML_n complexes: the effect of the ML_n group", Santi S., Durante C., Orian L., Donoli A., Bisello A., Ceccon A., Crociani L., Benetollo F. *Organometallics* **2009**, *28*, 3319.
23. "Synthesis of the prototypical cyclic metallocene triad: Mixed-valence properties of [(FeCp)₃(trindenyl)] isomers", Santi S., Orian L., Donoli A., Bisello A., Scapinello M., Benetollo F., Ganis P., Ceccon A., *Angew. Chem.* **2008**, *47*, 5331.
24. "Tunable electronic coupling in iron-chromium mixed-valence ions of methylated Cp-indene ligands" Chem. Santi S., Orian L., Donoli A., Durante C., Bisello A., Di Valentin M., Ganis P., Benetollo F., Ceccon A. *J. Organomet.Chem.* **2008**, *693*, 3797.
25. "Tuning the electronic communication in heterobimetallic mixed-valence ions of (1-ferrocenyl)- and (2-ferrocenyl)indenyl rhodium isomers" Santi S, Orian L, Durante C, Bisello A, Benetollo F, Crociani L, Ganis P, Ceccon A, *Chem.-Eur. J.* **2007**, *13*, 1955-1968.
26. "Charge transfer through isomeric unsaturated hydrocarbons. Redox switchable optical properties and electronic structure of substituted Indenes with a pendant ferrocenyl" Santi S, Orian L, Donoli A, Durante C, Bisello A, Ganis P, Ceccon A *Organometallics* **2007**, *26*, 5867-5879.
27. "Metal-metal electronic coupling in syn and anti stereoisomers of mixed-valent (FeCp)₂-, (RhL₂)₂-, and (FeCp)(RhL₂)-as-indacenediide ions" Santi S, Orian L, Durante C, Bencze, E. Z., Bisello A, Donoli A, Ceccon A, Benetollo F, Crociani L *Chem.-Eur. J.* **2007**, *13*, 7933-7947
28. "Formation of a solubilized cobalt block oligomer from a M₂L-type double helicate" Heirtzler F, Santi S, Howland K, Weyhermuller T *Dalton Transactions* **2006**, *39*, 4722-4729
29. "A joint experimental and computational study on the electronic communication in diethynylaryl-bridged (η^5 -C₅H₅)Fe(η^5 -dppe) and (η^5 -C₅H₅)Fe(CO₂ units" Medei L, Orian L, Semeikin OV, Ustynyuk NA, Santi S, Durante C, Lo Sterzo C *Eur. J. Inorg. Chem.* **2006**, *13*, 2582-2597.

30. "Designing molecules for metal-metal electronic communication: Synthesis and molecular structure of the couple of heterobimetallic isomers $[\eta^6\text{-}(2\text{-ferrocenyl})\text{indenyl-Cr}(\text{CO})_3]$ and $[\eta^6\text{-}(3\text{-ferrocenyl})\text{indenyl-Cr}(\text{CO})_3]$ " Santi S, Ceccon A, Bisello A, Durante C, Ganis P, Orian L, Benetollo F, Crociani L *Organometallics* **2005**, *24*, 4691-4694.
31. "Molecular conformations and π -hydrogen bonds in anti- and syn-binuclear Rh(I) complexes of *as*-indacene-diide" Orian L, Ganis P, Santi S, Ceccon A *J. Organomet. Chem.* **2005**, *690*, 482-492.
32. "Electronic communication in heterobinuclear organometallic complexes through unsaturated hydrocarbon bridges" Ceccon A, Santi S, Orian L, Bisello A *Coord. Chem. Rev.*, **2004**, *248*, 683-724.
33. ^{103}Rh -NMR chemical shifts in organometallic complexes: combined experimental and density functional study. Orian L, Bisello A, Santi S, Ceccon A, Saielli G *Chem.-Eur. J.* **2004**, *10*, 4029-4040.
34. "Facile route to dihydroindacene type ligands using multiple Heck reactions on aryl polybromides" Ceccon, A; Crociani, L.; Santi, S.; Venzo, A.; Biffis, A.; Boccaletti, G. *Tetrahedron Lett.* **2002**, *43*, 8475-8478.
35. "Redox-triggered molecular switches: electronic communication in heterobimetallic indenyl mixed valence complexes" Santi S., Carli F., Ceccon A., Gambaro A., Ganis P., Tiso M., Venzo A. 2002. In: M.S. Workentin, F. Maran, K. Chiba. Organic Electrochemistry. The Fifth International Manuel M. Baizer Symposium in Honor of Jean Michel Saveant. vol. 10, p. 146-149, Pennington, New Jersey:- The Electrochemical Society, Inc., ISBN: 1566773318
36. "Heterobimetallic (ferrocenyl)indenyl iridium complexes. Synthesis, crystal structure, reactivity and oxidative activation" Santi, S.; Benetollo, F.; Ceccon, A.; Crociani, L.; Gambaro, A.; Ganis, P.; Tiso M.; Venzo, A. *Inorg. Chim. Acta* **2003**, *344*, 221-229.
37. "Bond activation by electron transfer in indenyl ruthenium(II) complexes. The electrochemical reduction of $[\eta^5\text{-C}_9\text{H}_7]\text{CpIL}_2$ and $[\text{Ru}(\eta^5\text{-C}_9\text{H}_7)\text{L}_2]^+$ $\text{L}_2 = \text{COD}$, $\text{L} = \text{PPh}_3$ " Santi, S.; Broccardo, L.; Bassetti M.; Alvarez, P. *Organometallics* **2003**, *22*, 3478-3484.
38. "Heterobimetallic (ferrocenyl)-indenyl rhodium complexes. synthesis, crystal structure and oxidative activation of $[\eta^5\text{-}(1\text{-ferrocenyl})\text{-indenyl}]\text{-RhL}_2$ [$\text{L}_2 = \text{cod}$, nbd , $(\text{CO})_2$]" Santi S., Ceccon, A., Crociani L., Gambaro A., Ganis P., Tiso M., Venzo A., Bacchi A. *Organometallics* **2002**, *21*, 565.
39. "Heterobimetallic Iron-Rhodium Complexes. The synthesis and characteristic of $(\eta^5\text{-Cp})\text{-Fe}$ Complexes of *s*- and *as*-Indacene-diide- RhL_2 [$\text{L}_2 = \text{COD}$, NBD , $(\text{Ethylene})_2$]" Santi S., Ceccon A. Crociani L., Carli F., Bisello A. Venzo A., Tiso M. Venzo A. *Organometallics* **2002**, *21*, 2679.
40. "Synthesis, properties and reactivity of mononuclear Rh(I) and Ir(I) complexes of *s*- and *as*-hydroindenyl ligands" Bisello A., Ceccon. A., Gambaro A., Ganis P., Manoli F., Santi S. and Venzo A. *J. Organomet. Chem.* **2000**, *593-594*, 315.
41. "Low hapticity intermediates in the carbonylation of $(\eta^5\text{-}2,6\text{-dimethyl-}5\text{-hydro-}s\text{-indacene-diide})\text{-Ir}(\eta^4\text{-COD})$ " Venzo A., Ceccon A., Bisello A., Manoli F. and Santi S. *Inorg. Chem. Commun.* **2000**, *3*, 1.
42. "Synthesis, properties and reactivity of homobimetallic Rh(I) and Ir(I) complexes of *s*- and *as*-indacene-diide" Ceccon A., Bisello A., Ganis P., Manoli F., Santi S. and Venzo A. *J. Organomet. Chem.* **2000**, *600*, 94.
43. "Platinum thin films obtained *Via* MOCVD on quartz and CaF_2 windows as electrode surfaces for *in situ* spectroelectrochemistry" Santi S., Carta G., Garon S., Rizzo L., Rossetto G., Zanella P., Barreca D., e Tondello E., *Electrochem. Soc. Proc.*, **2000**, *13*, 528.

44. “[Rh₂(μ-CO)(CO)₂(η-Indenyl)₂] from solid state carbonylation of the monomer (η-Indenyl)-Rh(CO)₂” Ceccon. A., Ganis P., Imhoff M., Manoli F., Santi S. and Venzo A. *J. Organomet. Chem.* **1999**, 577, 167.
45. “Experimental evidence at atomic resolution of intra- and inter-molecular C≡O…π(arene) bond interactions” Gambaro A., Ganis P., Manoli F., Polimeno A., Santi S. and Venzo A. *J. Organomet. Chem.* **1999**, 583, 126.
46. “Structural effects in the reductive activation of (Indenyl)RhL₂ complexes: the reduction of the *anti* and *syn* isomers of Cr(CO)₃-Indenyl-Rh(cod)” Amatore C., Ceccon A., Santi S. and Verpeaux J.N., *Chem. Eur. J.* **1999**, 5, 3357.
47. “Heterobimetallic indenyl complexes. Synthesis and reactivity of *trans*-[Cr(CO)₃(μ,η:η-indenyl)IrL₂] (L₂ = cycloocta-1,5-diene, L = cyclooctene)” Cecchetto P.L., Ceccon A., Gambaro A., Ganis P., Santi S., Venzo A. and Gobetto R., *Organometallics* **1998**, 17, 752.
48. “*Anti*-{2,7-dimethyl-*as*-indacene-diide-[M(COD)]₂} complexes (M = Rh(I), Ir(I). Molecular conformations assisted by C—H…arene intramolecular π-hydrogen bonds” Ganis P., Ceccon A., Köhler, Manoli F., Santi S. and Venzo A. *Inorg. Chem. Commun.* **1998**, 1, 15.
49. “Indenyl and indacenyl ligands in homo and heterobimetallic complexes” Bonifaci C., Mantovani L., Ceccon A., Gambaro A., Santi S., Ganis P. and Venzo A. *J. Organomet. Chem.* **1998**, 557, 97.
50. “Structural effects in the reductive activation of IndenylRhL₂ complexes. The reduction of Rh(η⁵-C₉H₇)(η⁴-COD)” Amatore C., Ceccon A., Santi S. and Verpeaux J.N. *Chem. Eur. J.* **1997**, 3, 279.
51. “Heterobimetallic indenyl complexes. Mechanism of cyclotrimerization of Dimethyl Acetylenedicarboxylate (DMAD) Catalyzed by *trans*-[Cr(CO)₃(Heptamethylindenyl)Rh(CO)₂]” Mantovani L., Ceccon A., Gambaro A., Santi S., Ganis P. and Venzo A. *Organometallics* **1997**, 16, 2682.
52. “Heterobimetallic indenyl complexes. Kinetics and Mechanism of Substitution and Exchange Reactions of *trans*-[Cr(CO)₃-indenyl-Rh(CO)₂] with olefins” Bonifaci C., Carta G., Ceccon A., Gambaro A., Santi S., Venzo A. *Organometallics* **1996**, 15, 1630.
53. “Heterobimetallic indenyl complexes. Synthesis and structure of *syn*-[Cr(CO)₃(μ,η:η-indenyl)RhCOD]” Bonifaci C., Ceccon A., Gambaro A., Ganis P., Santi S., Valle G. and Venzo A. *J. Organomet. Chem.* **1995**, 492, 35.
54. “Heterobimetallic indenyl complexes. Bonifaci C., Ceccon A., Gambaro A., Ganis P., Santi S., and Venzo A. The *trans-cis* isomerization of Cr(CO)₃(μ,η:η-indenyl)Rh(NBD)” *Organometallics* **1995**, 14, 2430.
55. “Cofacial and antarafacial Indenyl bimetallic isomers: a descriptive MO picture and implications for indenyl effect on the ligand substitution reactions” Bonifaci C, Ceccon A., Santi S., Mealli C., and Zoeliner R. W. *Inorg. Chim. Acta* **1995**, 240, 541.
56. “Heterobimetallic heptamethylindenyl complexes of Cr⁰ and Rh^I: *trans*-[Cr(CO)₃-indenyl*]-RhL₂” Bonifaci C., Ceccon A., Gambaro A., Ganis P., Mantovani L., Santi S. and Venzo A. *J. Organomet. Chem.* **1994**, 475, 267.
57. “Indenyl hapticity in (η-indenyl)-Rh(η⁴-COD) and Cr(CO)₃-(μ-η:η-indenyl)Rh(η⁴-COD) complexes. A ¹H, ¹³C and ¹⁰³Rh NMR spectroscopic study” Ceccon A., Gambaro A., Elsevier C. J., Ernsting J. M., Santi S. and Venzo A. *Inorg. Chim. Acta.* **1993**, 204, 15.

58. "Heterobimetallic indenyl complexes. Synthesis and structure of *cis*-[Cr(CO)₃(indenyl)]RhL₂ (L₂ = Norbornadiene, (CO)₂)" Bonifaci C., Ceccon A., Gambaro A., Ganis P., Santi S., Valle G. and Venzo A. *Organometallics*, **1993**, *12*, 4211.
59. "A stable dicarbonyl(cycloocta-1,5-diene)-(η¹-indenyl)iridium intermediate in the substitution reaction with carbon monoxide" *J. Organomet. Chem.* Bellomo. S., Ceccon A., Gambaro A., Santi S. and Venzo A. **1993**, *453*, C4.
60. "Spettroscopia di Risonanza Magnetica Nucleare, Reattività e Calcoli EHMO di Complessi Indenilici di Cr(0) e Rh(I)" Santi S., *Tesi di Dottorato* 1992, Biblioteche Nazionali di Roma e Firenze.
61. "Metal stabilized carbanions XIII. The mechanism of migration of Cr(CO)₃ unit from the six to the five-membered ring in indenyl anions" Ceccon A., Gambaro A., Gottardi F., Lucchini V., Santi S. and Venzo A. *J. Organomet. Chem.* **1991**, *412*, 85.
62. "On different chemical and catalytic behavior of (η-indenyl)-Rh(η⁴-COD) and Cr(CO)₃(μ-η:η-indenyl)Rh(η⁴-COD) complexes." Ceccon A., Gambaro A., Santi S. and Venzo A. *J. Mol. Catal.* **1991**, *69*, L1.
63. "Metal stabilized carbanions XII. Intramolecular Cr(CO)₃ migration from a phenyl to a cyclopentadienyl ring through a σ-bond" Ceccon A., Gambaro A., Gottardi F., Lucchini V., Santi S. and Venzo A. *J. Organomet. Chem.* **1989**, *379*, 67.
64. "Synthesis and characterization of η⁶-Cr(CO)₃-indenyl-η³-rhodium-C₈H₁₂: an η³:η⁶ co-ordination for the indenyl ligand" Ceccon A., Gambaro A., Santi S. and Venzo A. *J. Chem. Soc. Chem. Commun.* **1989**, 51.