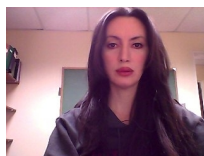


Cristina DELLA PINA



May 2003: Master Degree with full honors in Industrial Chemistry, Dept. of Physical Chemistry at Università degli Studi di Milano with a thesis entitled “Determination of the surface and acidic properties of the silica-based oxidic materials”, Supervisor Prof. Paolo Carniti.

July 2003: awarded the Qualification for the Profession of Chemist.

November 2003: awarded a Scholarship for the School of Doctorate in Science and Chemical Technologies, Dept. of Inorganic, Metallorganic and Analytic Chemistry at Università degli Studi di Milano.

November-December 2004: stage at University of Essen-Duisburg (Germany) at Inorganic Institute by Prof. Guenter Schmid for learning AFM technique.

December 2006: PhD in Industrial Chemistry with a thesis entitled “Catalysis by gold and its applications in the oxidation of organic compounds”, Supervisor Prof. Michele Rossi.

December 2006: awarded a 4-year Postdoctoral Scholarship, Dept. of Inorganic, Metallorganic and Analytic Chemistry at Università degli Studi di Milano for a research project based on the synthesis, characterization and application of gold-based mono and bimetallic catalysts for the selective oxidation of organic compounds and conducting polymers. Supervisor Prof. Michele Rossi.

January-February 2010: Visiting Scientist at Trinity University of San Antonio (Texas-USA).

Since November 2010: Assistant Professor of General and Inorganic Chemistry at Dipartimento di Chimica-Università degli Studi di Milano.

December 2012: Principal Investigator for the research unity "Università degli Studi di Milano" of the two year- project “Magnetic-nanoparticle-filled conductive polymer composites for EMI reduction” funded by Fondazione Cariplo, Bando 2012 “Ricerca Scientifica e Tecnologica sui Materiali Avanzati”(Rif. 2012-0872)

December 2013: awarded National Scientific Qualification as Associate Professor in General and Inorganic Chemistry.

July 2014: Member of the Editorial Board of the Journal of Advanced Catalysis Science and Technology

August 2014: Guest Editor of the Special Issue titled "Advanced Nanomaterials for Energy and Environmental Applications" that will be published in Journal of Nanomaterials in 2015.

Scientific Publications: 61, among Papers on International Journals, Chapters of Books, Patents.

List of scientific publications and patents:

Publications

- 1) M. Comotti, C. Della Pina, R. Matarrese and M. Rossi, "The catalytic activity of naked gold particles" *Angew. Chem. Int. Ed.* 43 (2004) 5812. doi:10.1002/anie.200460446
- 2) P. Beltrame, M. Comotti, C. Della Pina and M. Rossi, "Aerobic Oxidation of Glucose I. Enzymatic catalysis" *J. Catal.* 228 (2004) 282. doi:10.1016/j.jcat.2004.09.010.
- 3) M. Comotti, C. Della Pina, R. Matarrese, M. Rossi and A. Siani, "Oxidation of alcohols and sugars. Part II. Sugars" *Appl. Catal. A General* 291 (2005) 204. doi: 10.1016/j.apcata.2004.11.051
- 4) C. Della Pina, E. Falletta and M. Rossi, "Attivazione catalitica di ossigeno ed acqua ossigenata con oro nell'ossidazione del glucosio" *La Chimica & l'Industria* 87 (2005) 42. Promedia Publishing Milano
- 5) P. Beltrame, M. Comotti, C. Della Pina and M. Rossi, "Aerobic oxidation of glucose II. Catalysis by colloidal gold" *Appl. Catal. A General* 297 (2006) 1. doi:10.1016/j.apcata.2005.08.029.
- 6) M. Comotti, C. Della Pina, E. Falletta and M. Rossi "Aerobic oxidation of glucose with gold catalyst: hydrogen peroxide as intermediate and reagent" *Adv. Synth. Cat.* 348 (2006) 313. doi:10.1002/adsc.200505389
- 7) M. Comotti, C. Della Pina and M. Rossi "Mono-and bimetallic catalysts for glucose oxidation" *J. Mol. Cat. A* 251 (2006) 89 doi:10.1016/j.molcata.2006.021.014.
- 8) R. Ciriminna, G. Palmisano, C. Della Pina, M. Rossi, M. Pagliaro "One-pot electrocatalytic oxidation of glycerol to DHA". *Tetr. Letters* 47 (2006) 6993. doi:10.1016/j.tetlet.2006.07.123
- 9) M. Comotti, C. Della Pina, E. Falletta, M. Rossi "Is the biochemical route always advantageous? The case of glucose oxidation" *J. Catal.* 244 (2006) 122. doi 10.1016/j.jcat.2006.07.036.
- 10) C. Della Pina "Catalizzatori a base di oro: preparazione, caratterizzazione e applicazione nell'ossidazione di composto organici" Tesi di Dottorato di ricerca in Chimica Industriale, Milano, 2006
- 11) O.A. Kholdeeva, O.V. Zalomaeva, A.B. Sorokin, I.D. Ivanchikova, C. Della Pina and M. Rossi "New routes to Vitamin K3" *Catal. Today* 121 (2007) 58 doi: 10.1016/j.cattod.2006.11.011
- 12) C. Della Pina, E. Falletta, M. Rossi, M. Gargano, P. Giannoccaro, R. Ciriminna, M. Pagliaro "One-pot catalytic synthesis of higher aliphatic ketones" *Appl. Catal. A General* 321 (2007) 35. doi:10.1016/j.apcata.2007.01.033.
- 13) N. Dimitratos, C. Della Pina, E. Falletta, C. L. Bianchi, V. Dal Santo, M. Rossi, "Effect of Au in Cs_{2.5}H_{1.5}PVMo₁₁O₄₀ and Cs_{2.5}H_{1.5}PVMo₁₁O₄₀/Au/TiO₂ catalysts in the gas phase oxidation of propylene" *Cat. Today* 122 (2007) 307. doi:10.1016/j.cattod2007.01.037
- 14) C. Della Pina, N. Dimitratos, E. Falletta, M. Rossi, A. Siani "Catalytic performance of Au catalysts in the total oxidation of VOCs" *Gold Bulletin* 40 (2007) 67.

- 15) C. Della Pina, E. Falletta, M. Rossi, "Selective oxidation of tertiary amines on gold catalysts" *Top. Catal.* 44 (2007) 325. doi:10.1007/s11244-007-0306-8.
- 16) M. Pagliaro, R. Ciriminna, H. Kimura, M. Rossi, C. Della Pina, " From Glycerol to Value-Added Products" *Angew. Chem. Int. Ed.* 46 (2007) 4434. doi:10.1002/anie.200604694
- 17) C. Della Pina, E. Falletta, L. Prati, M. Rossi "Selective oxidation using gold" *Chem. Soc. Rev.* 37 (2008) 2077 doi: 10.1039/b707319b
- 18) Z. Chen, C. Della Pina, E. Falletta, M. Lo Faro, M. Pasta, M. Rossi, N. Santo "Facile synthesis of polyaniline using gold catalyst" *J. Catal.* 259 (2008) 1 doi: 10.1016/j.jcat.2008.07.006
- 19) M. Rossi, C. Della Pina, M. Pagliaro, R. Ciriminna, P. Forni "Greening the Construction Industry: Enhanced Performance of Cements Added with Bioglycerol" *Chem. Sus. Chem.* 1 (2008) 809. doi: 10.1002/cssc.200800088.
- 20) C. Della Pina, E. Falletta, M. Rossi "Highly selective oxidation of benzyl alcohol to benzaldehyde catalyzed by bimetallic gold-copper catalyst" *J. Catal.* 260 (2008) 384. doi: 10.1016/j.jcat.2008.10.003
- 21) C. Della Pina, E. Falletta, R. Matarrese and M. Rossi Chapter 12 "Gold Nanoparticles: from preparation to Catalytic Evaluation" of the Book "Metal Nanoclusters in Catalysis and Materials Science: the issue of size control" Editors B. Corain, G. Schmid and N. Toshima, ed. Elsevier, Amsterdam, Olanda, 2008. ISBN: 978-0-444-53057-8
- 22) C. Della Pina, E. Falletta, and M. Rossi Chapter 13 "Gold nanoparticles-catalyzed oxidations in organic chemistry" of the Book "Nanoparticles and Catalysis" Editor D. Astruc, ed. Wiley-VCH, Weinheim, Germania, 2008. ISBN: 978-3-527-31572-7
- 23) C. Della Pina, E. Falletta, M. Rossi "Oxidation of allyl alcohol in the presence of gold catalyst: a new route to 3-hydroxypropionic acid" *Chem. Sus. Chem.* 2 (2009) 57. doi:10.1002/cssc.200800172
- 24) C. Della Pina, E. Falletta, M. Rossi, A. Sacco "Selective Deactivation of Gold Catalyst" *J. Catal.* 263 (2009) 92. doi:10.1016/j.jcat.2009.01.014 Articolo Menzionato in "CNR Highlights 2008-2009".
- 25) M. Pagliaro, M. Rossi, C. Della Pina, R. Ciriminna, H. Kimura, "Recent Advances in the conversion of bioglycerol into value-added products" *European Journal of Lipid Science and Technology* 111 (2009) 788. doi:10.1002/ejlt.200800210
- 26) C. Della Pina, E. Falletta, M. Lo Faro, M. Pasta, M. Rossi "Gold-catalysed synthesis of polypyrrole" *Gold Bulletin* 42 (2009) 27.
- 27) Z. Chen, C. Della Pina, E. Falletta, M. Rossi "A green route to conducting polyaniline by copper catalysis" *J. Catal.* 267 (2009) 93 doi:10.1016/j.jcat.2009.07.007
- 28) C. Della Pina, E. Falletta, "Gold nanoparticles: the power to be small" *Critical review su La Chimica & l'Industria* 4 (2009) 108. Promedia Publishing Milano

- 29) C. Della Pina, E. Falletta “Polipirrolo: un polimero conduttore” *La Chimica nella Scuola*, 3 (2009) 187. Documentazione Scientifica Editrice. Bologna
- 30) C. Della Pina, E. Falletta, M. Rossi “Selective dehydrosulfurization of 3-mercaptopropionic acid to acrylic acid on silicalite catalyst” *Catal. Comm.* 11 (2010) 456. doi:10.1016/j.catcom.2009.11.022.
- 31) M. Pasta, R. Ruffo, E. Falletta, C.M. Mari, C. Della Pina “Alkaline glucose oxidation on nanostructured gold electrodes” *Gold Bulletin* 43 (1) (2010) 57.
- 32) C. Della Pina, E. Falletta, and M. Rossi Chapter “Gold –catalysis in Organic Synthesis and Material Science” of the Book “Catalysis Book Series” Vol 22, p. 279. Editore J.J. Spivey and K.M. Dooley, ed. Royal Society, Cambridge, U.K., 2010. ISBN 978-1-84755-951-7.
- 33) C. Della Pina, E. Falletta, A. Gervasini, J.H. Teles, M. Rossi “Catalytic transformation of ethanol with silicalite-1: influence of pretreatments and conditions on activity and selectivity” *Chem. Cat. Chem* 2 (2010) 1587. doi: 10.1002/cctc.201000208
- 34) C. Della Pina, E. Falletta, M. Rossi “Conductive materials by metal catalyzed polymerization” *Catal. Today* 160 (2011) 11. doi:10.1016/j.cattod.2010.05.023
- 35) M. Pasta, F. La Mantia, R. Ruffo, F. Peri, C. Della Pina, C.M. Mari “Optimizing operating conditions and electrochemical characterization of glucose–gluconate alkaline fuel cells” *Journal of Power Sources*, 196 (3) (2011) 1273. doi:10.1016/j.jpowsour.2010.08.018
- 36) A. Parvulescu, M. Rossi, C. Della Pina, R. Ciriminna, M. Pagliaro “Investigation of glycerol polymerization in the clinker grinding process” *Green Chem.*, 13 (2011) 143. doi: 10.1039/c0gc00107d
- 37) C. Della Pina, E. Falletta, M. Rossi “A green approach to chemical building blocks. The case of 3-hydroxypropanoic acid” *Green Chem.* 13 (2011) 1624. doi: 10.1039/c1gc15052a
- 38) E. Falletta, C. Della Pina, M. Rossi, Q. He, C.J. Kiely, G. J. Hutchings “Enhanced performance of the catalytic conversion of allyl alcohol to 3-hydroxypropionic acid using bimetallic gold catalysts” *Faraday Discuss.* 152 (2011) 367. doi: 10.1039/c1fd00063b
- 39) C. Della Pina, E. Falletta “Gold-catalyzed oxidation in organic synthesis: a promise kept” *Catal. Sci. Technol.* 1 (2011) 1564. doi: 10.1039/C1CY00283J
- 40) C. Della Pina, E. Falletta, M. Rossi “Update on: selective oxidation using gold” *Chem. Soc. Rev.* 41 (2012) 350. doi: 10.1039/c1cs15089h
- 41) C. Della Pina, E. Falletta, M. Rossi Chapter 14 “Oxidation of alcohols and carbohydrates” of the Book “Modern gold catalyzed synthesis” ed. A. S. K. Hashmi, F. D. Toste, Wiley-VCH Verlag GmbH & Co. KGaA. Germany 2012, pp.309-329. ISBN. 978-3-527-31952-7
- 42) P. Frontera, C. Busacca, P. Antonucci, M. Lo Faro, E. Falletta, C. Della Pina, M. Rossi “Polyaniline nanofibers: towards pure electrospun PANI” *AIP Conf. Proc.* 1459 (2012) 253. doi:10.1063/1.4738460

- 43) L. Caprile, A. Cossaro, E. Falletta, C. Della Pina, O. Cavalleri, R. Rolandi, S. Terreni, R. Ferrando, M. Rossi, L. Floreano, M. Canepa "Interaction of L-Cysteine with naked gold nanoparticles supported on HOPG: A high resolution XPS investigation" *Nanoscale* 4 (2012) 7727-7734. doi: 10.1039/C2NR32741D. ISSN (electronic) 2040-3372 (print) 2040-3364
- 44) C. Della Pina, M. Rossi, A.M. Ferretti, A. Ponti, M. Lo Faro, E. Falletta "One-pot synthesis of polyaniline/Fe₃O₄ nanocomposites with magnetic and conductive behaviour. Catalytic effect of Fe₃O₄ nanoparticles" *Synth. Met.* 162 (2012) 2250-2258.
doi: 10.1016/j.synthmet.2012.10.023 ISSN (electronic) 1879-3290
- 45) C. Della Pina, E. Falletta, M. Rossi Capitolo 5 "Liquid phase oxidation of organic compounds by supported metal-based catalysts with a focus on gold" del Libro "Liquid Phase Oxidation via Heterogeneous Catalysis: Organic Synthesis and Industrial Applications" ed. M.G. Clerici, O. Kholdeeva, John Wiley & Sons, Inc. (2013). ISBN 978-0-470-91552-3
- 46) P. Frontera, C. Busacca, S. Trocino, P. Antonucci, M. Lo Faro, E. Falletta, C. Della Pina, M. Rossi "Electrospinning of polyaniline: effect of different raw sources" *J. Nanosci. Nanotechnol.* 13, (2013) 4744.
- 47) C. Della Pina, M. Rossi, E. Falletta "A comparison between fresh and thermally aged polyaniline prepared by different approaches: on the conductivity under high pressure" *Sensors and Microsystems, Lecture Notes in Electrical Engineering* 268 (2014) 35 – Proceedings of the 17th National Conference, Brescia 5-7 Feb 2013.
- 48) C. Della Pina, E. Zappa, G. Busca, A. Sironi, E. Falletta "Electromechanical properties of polyanilines prepared by two different approaches and their applicability in force measurements" *Sensor Actuat. B-Chem.* 201 (2014) 395-401. doi:10.1016/j.snb.2014.04.105
- 49) R. Ciriminna, C. Della Pina, M. Rossi, M. Pagliaro "Understanding the glycerol market" *Eur. J. Lipid Sci. Technol.* 116 (2014) 1432-1439. doi: 10.1002/ejlt.201400229
- 50) E. Falletta, P. Costa, C. Della Pina, S. Lanceros-Mendez "Development of high sensitive polyaniline based piezoresistive films by conventional and green chemistry approaches" *Sensor Actuat. A-Phys.* 220 (2014) 13-21. doi: 10.1016/j.sna.2014.09.004
- 51) E. Falletta, C. Della Pina, M. Rossi "Sustainable approaches for polyaniline and polypyrrole syntheses" *J. Adv. Catal. Sci. Techn. (JACST)* 1 (2014) 6-14.
- 52) C. Della Pina, E. Falletta, A. Ferretti, G. G. Gentili, R. Nesti, V. Verri, A. Ponti "Microwave characterization of magnetically hard and soft ferrite nanoparticles in K-band" *J. Appl. Phys.* 116 (2014) 154306-1 -- 154306-8 doi: 10.1063/1.4898138
- 53) C. Della Pina, E. Falletta, Libro "Polyaniline: From Tradition to Innovation" ed. Nova Science Publishers, Hauppauge NY. 2015. pp. 103. ISBN: 978-1-63463-273-7
- 54) C. Della Pina, E. Falletta, M. Rossi Capitolo 5 "Gold-based catalysts" del Libro "Transition metal catalysis in aerobic alcohol oxidation" ed. F. Cardona, C. Parmeggiani, RSC Green Chemistry Book Series, RSC Publishing. 2015. p. 133-154. ISBN: 978-1-84973-823-1

55) C. Della Pina, A. M. Ferretti, A. Ponti, E. Falletta "A green approach to magnetically-hard electrically-conducting polyaniline/CoFe₂O₄ nanocomposites" *Compos. Sci. Technol.* 110 (2015) 138-144. doi:10.1016/j.compscitech.2015.02.007

56) R. Ciriminna, S. Johnson, C. Della Pina, M. Rossi, S. Vasquez Bonilla, M. Pagliaro "Bioglycerol: a Multifunctional Aid for the Construction Industry" *Biofuels, Bioprod. Bioref.* (2015) 1-8. doi: 10.1002/bbb

57) C. Della Pina, E. Zappa, G. Busca, P. Costa, S. Lanceros-Mendéz, A. Sironi, E. Falletta "Towards "Green" Smart Materials for Force and Strain Sensors: The Case of Polyaniline" *Key Engineering Materials* 2015 **in press**

58) A. Sironi, D. Marinotto, C. Riccardi, S. Zanini, E. Guerrini, C. Della Pina, E. Falletta "Effect of salicylic acid and 5-sulfosalicylic acid on UV-vis characteristics, morphology and contact angles of spin coated polyaniline and poly(4-aminodiphenylaniline) thin films" *J. Spectroscopy* Vol. 2015, Article ID 609175, 8 pages, 2015. doi:10.1155/2015/609175

Patents

1) M. Rossi, M. Pagliaro, R. Ciriminna, C. Della Pina, W. Kesber. "Improved compression strength cement" *PCT Int. Appl.* (2006) 9 pp. CODEN: PIXXD2 WO 2006051574 A2 20060518 AN 2006:462718.

2) M. Rossi, C. Della Pina, E. Falletta "Process for the preparation of 3-hydroxypropionic acid and related salts" *Italian patent.* n. 98 MI2006A001326–UNIMI – 2006.

3) S.Y. Chin, T. Johann, S. Kotrel, K. Gumlich, J.H Teles, J.P. Weyrauch, C. Della Pina, E. Falletta, M. Rossi "Verfahren zur Herstellung vicilaner Dioxoverbindungen durch Oxidation vicilaner Dihydroxyverbindungen an Silber enthaltenden Dünnschichtkatalysatoren" (BASF SE, Germany). *Ger. Offen.* (2009) DE 102008002535, 2008 [Chem. Abstr. 2008, 150, 79537]

Participation at International and National Conferences: 33, among Oral and Poster presentations. In the case of "Gold 2009" (Heidelberg, DE) I presented an oral communication as an invited speaker; for "Fine Cat 2012", "Fine Cat 2013" and "FineCat 2014", (Palermo, IT) I was invited to present a lecture and to be a member of the Scientific Committee; in June 2012, I had the honor to be invited at BASF (Ludwigshafen, DE) to present a lecture on my research.

Participation at Conferences e Seminars

1) M. Comotti, C. Della Pina, R. Matarrese, M. Rossi, A. Siani "New perspectives in gold catalysed oxidation" *Atti del GIC 2004, Lerici 2004*, p. 85

2) C. Della Pina, E. Falletta, M. Rossi "Catalytic activation of oxygen and hydrogen peroxide by gold in glucose oxidation" *Atti del VIII Seminario Italiano di Catalisi*", Verbania 2005, p. 43

3) M. Comotti, C. Della Pina, M. Rossi "Hydrogen peroxide as an intermediate in the aerobic oxidation of glucose by gold catalysis" *Atti del ADHOC 2005, Colonia 2005*, p. 94

- 4) C. Della Pina, M. Rossi "Oxidation by Gold" Atti del ADHOC 2005, Colonia 2005, p.26
- 5) O.A. Kholdeeva, O.V. Zalomaeva, A.B. Sorokin, I.D. Ivanchikova, C. Della Pina and M. Rossi "New routes to vitamin K3" Atti del 7° CAFC, Bingen-Main 2005, p. 35
- 6) N. Dimitratos, C. Della Pina, E. Falletta, M.Rossi, "Gold promoted selective oxidation of hydrocarbons" Atti di Gold 2006, Limerick 2006, p.268
- 7) N. Dimitratos, C. Della Pina, E. Falletta, M. Rossi, "Catalytic performance of Au catalysts in the total oxidation of VOCs" Atti di Gold 2006, Limerick 2006, p. 269
- 8) C. Della Pina, E. Falletta, M. Rossi "Is the biochemical route always advantageous? The case of glucose oxidation" Atti di XXII congresso Nazionale della Società Chimica Italiana, Firenze 2006, p.284
- 9) C. Della Pina, E. Falletta, M.Rossi "Selective aerobic oxidation of tertiary amines on gold catalysts" Atti del XXXV Congresso Nazionale della divisione di Chimica Inorganica della Società Chimica Italiana, Milano 2007, p 67
- 10) C. Della Pina, E. Falletta, M. Rossi, A. Sacco "Active sites characterization of gold nanoparticles by selective doping" Atti del XXXV Congresso Nazionale della divisione di Chimica Inorganica della Società Chimica Italiana, Milano 2007, p 68
- 11) E. Falletta, Z. Chen, C. Della Pina, M. Pasta, M. Rossi "Sintesi eco-compatibile della polianilina" Atti di 7° SAYCS, Riccione 2007, p.PF10
- 12) E. Falletta, C. Della Pina, M. Rossi "Ossidazione dell'alcool allilico in presenza di catalizzatori a base d'oro" Atti di 8° SAYCS, Pesaro 2008, p. O14
- 13) M. Rossi, C. Della Pina, E. Falletta "Aerobic oxidation by gold nanoparticles" Atti di ADHOC 2008, Venezia 2008, p. 46
- 14) C. Della Pina, E. Falletta, M. Rossi, A. Sacco "Active sites characterisation of gold nanoparticles by selective doping" Atti di ADHOC 2008, Venezia 2008, p. 141
- 15) E. Falletta, Z. Chen, C. Della Pina, M.Rossi, "Un nuovo metodo eco-compatibile per la sintesi rame catalizzata di polianilina conduttrice" Atti del 9° SAYCS, Pesaro 2009, p. O 09
- 16) C. Della Pina, E. Falletta, M.Rossi, "New route to high value chemicals and conducting polymers by gold catalysis" Oral communication as invited speaker al Gold 2009 (Heidelberg 2009, Germania) Atti p. 340
- 17) P.L. Antonucci, C. Busacca, C. Della Pina, E. Falletta, P. Frontiera, M. Lo Faro, M. Rossi "Polyaniline nonwires: towards pure electrospun PANI synthesized by a new green route", Atti di Giornate dell'Elettrochimica Italiana: elettrochimica per il recupero ambientale" (Modena 2010) abstract: P7

- 18) E. Falletta, C. Della Pina, A. Gervasini, J. H. Teles, M. Rossi “Catalytic transformation of ethanol to useful chemicals with Silicalite 1: the influence of pretreatments and experimental conditions on the activity and selectivity” Atti del 10° SAYCS (Pesaro 2010), abstract P20.
- 19) P. Frontera, M. Lo Faro, C. Busacca, P. L. Antonucci, E. Falletta, C. Della Pina, M. Rossi “Electrospun polyaniline fibers synthesized by green route” ISPE-12 - XII International Symposium on Polymer Electrolytes (Padova 2010), abstract PA 19.
- 20) C. Della Pina, E. Falletta, M. Lo Faro, M. Rossi “Catalytic effect of Fe₃O₄ nanoparticles for the synthesis of polyaniline/Fe₃O₄ nanocomposites” Atti del Magnet 2011 (Torino 2011), abstract P1-19
- 21) C. Della Pina, E. Falletta, M. Rossi, Q. He, C. J. Kiely, G. J. Hutchings “Enhanced performance of the catalytic conversion of allyl alcohol to 3-hydroxypropionic acid using bimetallic gold catalysts” Oral communication as invited speaker, Faraday Discussions 152: Gold (Cardiff 2011, GB)
- 22) C. Della Pina, M. Rossi, A.M. Ferretti, A. Ponti, M. Lo Faro, Z. Chen, E. Falletta “Catalytic effect of Fe₃O₄ nanoparticles in the one-pot synthesis of polyaniline/Fe₃O₄ nanocomposites with magnetic and conductive behaviour” XXVII Scuola Nazionale di Scienza dei Materiali (Bressanone 2011) Book of abstracts p.11. Poster awarded as the best for the scientific contents.
- 23) C. Della Pina, E. Falletta “Gold-catalyzed oxidation in organic synthesis: a promise kept” Session Lecture as invited speaker, FineCat 2012 Symposium on heterogeneous catalysis for fine chemicals (Palermo 2012). Member of the Scientific Committee of the Symposium.
- 24) E. Falletta, C. Della Pina “New “green” syntheses of polyaniline, polypyrrole and their composites. A catalytic approach” Poster session, FineCat 2012 Symposium on heterogeneous catalysis for fine chemicals (Palermo 2012) Poster awarded as the best by “Catalysis Science & Technology” RSC.
- 25) C. Della Pina “Gold nanoparticles: from preparation to catalytic evaluation” Seminar as invited speaker at BASF of Ludwigshafen (Germany 2012)
- 26) P. Frontera, C. Busacca, P. Antonucci, M. Lo Faro, E. Falletta, C. Della Pina, M. Rossi “Polyaniline nanofibers: towards pure electrospun PANI”, 6th International Conference on Times of Polymers (TOP) and Composites (Ischia 2012)
- 27) C. Della Pina, M. Rossi, E. Falletta “A comparison between fresh and thermally aged polyaniline prepared by different approaches: on the conductivity under high pressure” - 17th National Conference, Brescia 5-7 Feb 2013
- 28) C. Della Pina, E. Falletta, M. Rossi, J. H. Teles “Transformation of ethanol to useful chemicals. The behavior of gold-modified silicalite catalyst” Session Lecture as invited speaker, FineCat 2013 Symposium on heterogeneous catalysis for fine chemicals (Palermo 2013). Member of the Scientific Committee of the Symposium.
- 29) E. Falletta, C. Della Pina, A. Ponti, A.M. Ferretti, M. Rossi “Electro-magnetic polyaniline/CoFe₂O₄ composites: a one-pot green approach” Poster session, NanoTechItaly 2013, International Conference (Venezia, november 2013)

30) C. Della Pina, E. Falletta, M. Rossi "Dictating selectivity in the catalytic conversion of glycerol in vapor phase" Session Lecture as invited speaker, FineCat 2014 Symposium on heterogeneous catalysis for fine chemicals (Palermo 2014). Member of the Scientific Committee of the Symposium.

31) E. Falletta, S. Lanceros-méndez, C. Della Pina, G. Busca, E. Zappa, P. Costa "Towards "green" smart materials for force and strain sensors: The case of polyaniline" Oral presentation, 4th International Conference on Materials and Applications for Sensors and Transducers (Bilbao, Spain – June 2014)

32) E. Falletta, S. Lanceros-Mendez. P. Costa, C. Della Pina "Development of high performance PANI-based piezoresistive films for sensor applications" Poster session, ICSM 2014 (Turku, Finland, July 2014)

33) A. Sironi, E. Falletta, C. Della Pina, A. Ponti, A. M. Ferretti "Surge of green: A sustainable approach to polyaniline/MFe₂O₄ nanocomposites synthesis" Poster, 8th ECNP International Conference on Nanostructured Polymers and Nanocomposites (Dresden, Germany, September 2014)

Didactic Activity:

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