

Articoli 2011

- 1 "Luminescent acetylthiol derivative tripodal osmium(II) and iridium(III) complexes: Spectroscopy in solution and on surfaces"; Srinidhi Ramachandra, Federico Polo, Fabio Edafe, Klaus C. Schuermann, Christian A. Nijhuis, Peter Belser, William F. Reus, George M. Whitesides, Luisa De Cola; PURE AND APPLIED CHEMISTRY; 83; 779-799; 2011.
- 2 "Control of the Mutual Arrangement of Cyclometalated Ligands in Cationic Iridium(III) Complexes. Synthesis, Spectroscopy, and Electroluminescence of the Different Isomers"; Jesús M. Fernández-Hernández, Cheng-Han Yang, Juan I. Beltrán, Vincent Lemaur, Federico Polo, Roland Fröhlich, Jérôme Cornil, Luisa De Cola; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY; 133; 10543-10558; 2011.
- 3 "Controlling Aggregation in Highly Emissive Pt(II) Complexes Bearing Tridentate Dianionic NANAN Ligands. Synthesis, Photophysics, and Electroluminescence"; Mathias Mydlak, Matteo Mauro, Federico Polo, Michael Felicetti, Jens Leonhardt, Gerhard Diener, Luisa De Cola, Cristian A. Strassert; CHEMISTRY OF MATERIALS; 23; 3659-3667; 2011.
- 4 "Stability Study of a Magnesium beta-Diketonate As Precursor for Chemical Vapor Deposition of MgO"; Sartori A., El Habra N., Bolzan M., Rossetto G., Sitran S, Barreca D., Gasparotto A., Casarin M. ; CHEMISTRY OF MATERIALS; 23; 1113-1119; 2011.
- 5 "Valutazione della deriva di polveri in seguito alla semina di mais conciato. Scheda di ricerca "Interventi finalizzati alla riduzione della dispersione di polveri durante la semina del mais conciato"; Daniele Pochi, Marcello Biocca, Roberto Fanigliulo, Marco Fedrizzi, Elisa Conte, Patrizio Pulcini, Lucia Donnarumma, Enzo Marinelli, Vincenzo Girolami, Matteo Marzaro, Andrea Tapparo, Chiara Giorio, Piotr Medrzycki, Laura Bortolotti, ; APOIDEA; Anno VIII; 19-40; 2011.
- 6 "Effect of High Pressure CO₂ on the Structure of PMMA: A FT-IR Study "; V. Di Noto, K. Vezzù, G. A. Giffin, F. Conti, A. Bertucco; THE JOURNAL OF PHYSICAL CHEMISTRY. B; 115; 13519-13525; 2011.
- 7 "Broadband Electric Spectroscopy at High CO₂ Pressure: Dipole Moment of CO₂ and Relaxation Phenomena of the CO₂-Poly(vinyl chloride) System"; V. Di Noto, K. Vezzù, F. Conti, G. A. Giffin, S. Lavina, A. Bertucco; JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL; 115; 9014-9021; 2011.
- 8 "A new approach to detect and study ion channel formation in microBLMs"; S. Smeazzetto, M. De Zotti, M. R. Moncelli; ELECTROCHEMISTRY COMMUNICATIONS; 13; 834-836; 2011.
- 9 "Tin(IV) Oxide Coatings from Hybrid Organotin/Polymer Nanoparticles"; Rafael Muñoz-Espí, Paolo Dolcet, Torsten Rossow, Manfred Wagner, Katharina Landfester, Daniel Crespy; ACS APPLIED MATERIALS & INTERFACES; 3; 4292-4298; 2011.
- 10 "p-Co₃O₄/n-ZnO, Obtained by PECVD, Analyzed by X-ray Photoelectron Spectroscopy"; D. Bekermann, A. Gasparotto, D. Barreca, A. Devi, R. A. Fischer; SURFACE SCIENCE SPECTRA; 18; 36-45; 2011.
- 11 "Fe₂O₃-TiO₂ systems grown by MOCVD: an XPS study"; F. Visentin, R. Gerbasi, G. Rossetto, C. De Zorzi, N. El Habra, D. Barreca, A. Gasparotto; SURFACE SCIENCE SPECTRA; 18; 29-35; 2011.
- 12 "Oligo(p-phenylenevinylene)-Peptide Conjugates in Water: Synthesis and Self-Assembly Properties"; A. Moretto, M. Mba, L. Armelao, M. Crisma, M. Maggini, C. Toniolo; BIOPOLYMERS; 96; 455-455; 2011.

- 13 "Erratum: Hybrid inorganic-organic proton conducting membranes based on nafion, SiO₂ and triethylammonium trifluoromethanesulfonate ionic liquid"; Thayumanasundaram S, Piga M, Lavina S, Negro E, Jeyapandian M, Ghassemzadeh L, Muller K, Di Noto V.; ELECTROCHIMICA ACTA; 56; 1690-1690; 2011.
- 14 "Ag/ZnO Nanocomposites Studied by X-ray Photoelectron Spectroscopy"; Quentin Simon, Davide Barreca, Alberto Gasparotto; SURFACE SCIENCE SPECTRA; 18; 19-28; 2011.
- 15 "Microbial Deterioration of Artistic Tiles from the Façade of the Grande Albergo Ausonia & Hungaria (Venice, Italy)"; Giacomucci, L., Bertoncetto, R., Salvadori, O., Martini, I., Favaro, M., Villa, F., Sorlini, C., Cappitelli, F.; MICROBIAL ECOLOGY; 62; 287-298; 2011.
- 16 "Structure–property interplay of proton conducting membranes based on PBI5N, SiO₂–Im and H₃PO₄ for high temperature fuel cells"; V. Di Noto, M. Piga, G. A. Giffin, E. Quartarone, P. Righetti, P. Mustarelli, A. Magistris; PHYSICAL CHEMISTRY CHEMICAL PHYSICS; 13; 12146-12154; 2011.
- 17 "CuO/ZnO Nanocomposites Investigated by X-ray Photoelectron and X-ray Excited Auger Electron Spectroscopies"; Q. Simon, D. Barreca, A. Gasparotto; SURFACE SCIENCE SPECTRA; 17; 93-101; 2011.
- 18 "Triple Hyp→Pro replacement in integrin A, a peptaib inhibitor of HIV-1 integrase: Effect on conformation and bioactivity"; Marta De Zotti, Wim De Borggraeve, Bernard Kaptein, Quirinus B. Broxterman, Sheo B. Singh, Peter J. Felock, Daria J. Hazuda, Fernando Formaggio, Claudio Toniolo; BIOPOLYMERS; 96; 49-59; 2011.
- 19 "Photocurrent generation through peptide-based self-assembled monolayers on a gold surface: antenna and junction effects"; Emanuela Gatto, Mario Caruso, Alessandro Porchetta, Claudio Toniolo, Fernando Formaggio, Marco Crisma, Mariano Venanzi; JOURNAL OF PEPTIDE SCIENCE; 17; 124-131; 2011.
- 20 "The critical main-chain length for helix formation in water: Determined in a peptide series with alternating Aib and Ala residues exclusively and detected with ECD spectroscopy"; Edoardo Longo, Alessandro Moretto, Fernando Formaggio, Claudio Toniolo; CHIRALITY; 23; 756-760; 2011.
- 21 "Experimental and Theoretical Spectroscopic Study of 310-Helical Peptides Using Isotopic Labeling to Evaluate Vibrational Coupling"; Ahmed Lakhani, Anjan Roy, Matteo De Poli, Marcelo Nakaema, Fernando Formaggio, Claudio Toniolo, Timothy A. Keiderling; JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL; 115; 6252-6264; 2011.
- 22 "Oxide Based Nanomaterials in Clean Energy Research"; A. Glisenti; NANOSCIENCE AND NANOTECHNOLOGY LETTERS; ; 679-680; 2011.
- 23 "Oxygen Permeation Measurements: An Alternative tool to Select New Intermediate Temperature Solid Oxide Fuel Cell Cathodes"; A. Galenda, M.M. Natile, A. Glisenti; NANOSCIENCE AND NANOTECHNOLOGY LETTERS; 3; 723-730; 2011.
- 24 "Continuous-flow synthesis of an efficient methanofullerene acceptor for bulk-heterojunction solar cells"; E. Rossi, T. Carofiglio, A. Venturi, A. Ndobé, M. Muccini, M. Maggini; ENERGY & ENVIRONMENTAL SCIENCE; 4; 725-727; 2011.
- 25 "Interplay between nanostructure and proton conductivity of Nafion-based nanocomposite membrane"; V. Di Noto, M. Piga, S. Lavina, G. A. Giffin, E. Negro; ABSTRACTS OF PAPERS - AMERICAN CHEMICAL SOCIETY; 242; 198-FUEL-; 2011.
- 26 "High resolution photoemission and x-ray absorption spectroscopy of a lepidocrocite-like TiO₂ nanosheet on Pt(110) (1 × 2)"; L. E. Walle, S. Agnoli, I.-H. Svenum, A. Borg, L. Artiglia, P. Krüger, A. Sandell, and G. Granozzi; THE JOURNAL OF CHEMICAL PHYSICS; 135; 054706-1-054706-7; 2011.

27 "Effective synthesis of ortho-substituted trithiophenol amines by Miyazaki-Newman-Kwart rearrangement"; B. Gjoka, F. Romano, C. Zonta, G. Licini, ; EUROPEAN JOURNAL OF ORGANIC CHEMISTRY; ; 5636-5640; 2011.

28 "Alteration of the H-Bond to the A(1A) Pheophytin in Photosystem I: Influence on the Kinetics and Energetics of Electron Transfer"; N. Srinivasan, S. Santabarbara, F. Rappaport, D. Carbonera, K. Redding, A. van der Est, J.H. Golbeck; JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL; 115; 1751-1759; 2011.

29 "Conservation of Spin Polarization during Triplet-Triplet Energy Transfer in Reconstituted Peridinin-Chlorophyll-Protein Complexes"; Marilena Di Valentin, Claudia Tait, Enrico Salvadori, Stefano Ceola, Hugo Scheer, Roger G. Hiller, Donatella Carbonera; JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL; 115; 13371-13380; 2011.

30 "Neutron-rich isotope production using the uranium carbide multi-foil SPES target prototype"; D. Scarpa, L. Biasetto, S. Corradetti, M. Manzi, A. Andrighetto, S. Carturan, G. Prete, P. Zanonato, D. W. Stracener; THE EUROPEAN PHYSICAL JOURNAL. A, HADRONS AND NUCLEI; 47; -; 2011.

31 "Temperature dependence of yields from multi-foil SPES target"; S. Corradetti, L. Biasetto, M. Manzi, D. Scarpa, A. Andrighetto, S. Carturan, G. Prete, P. Zanonato, D. W. Stracener; THE EUROPEAN PHYSICAL JOURNAL. A, HADRONS AND NUCLEI; 47; -; 2011.

32 "Hydrolysis of Plutonium(VI) at Variable Temperatures (283-343 K)"; Rao L. ; Tian G.; Di Bernardo P.; Zanonato P. ; CHEMISTRY-A EUROPEAN JOURNAL; 17; 10985-10993; 2011.

33 "Redox Properties and Cytotoxicity of Synthetic Isomeric Mitochondriotropic Derivatives of the Natural Polyphenol Quercetin"; Andrea Mattarei, Nicola Sassi, Christian Durante, Lucia Biasutto, Giancarlo Sandonà, Ester Marotta, Spiridione Garbisa, Armando Gennaro, Cristina Paradisi, Mario Zoratti; EUROPEAN JOURNAL OF ORGANIC CHEMISTRY; ; 5577-5586; 2011.

34 "CeO₂ ↔ CuO_x Interactions and the Controlled Assembly of CeO₂(111) and CeO₂(100) Nanoparticles on an Oxidized Cu(111) Substrate"; Fan Yang, YongMan Choi, Stefano Agnoli, Ping Liu, Dario Stacchiola, Jan Hrbek, and José A. Rodriguez; JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES; 115; 23062-23066; 2011.

35 "Water-Gas Shift and CO Methanation Reactions over Ni-CeO₂(111) Catalysts"; Sanjaya D. Senanayake, Jaime Evans, Stefano Agnoli, Laura Barrio, Tsung-Liang Chen, Jan Hrbek and José A. Rodriguez; TOPICS IN CATALYSIS; 54; 34-41; 2011.

36 "Tracking thermally-activated transformations in a nanostructured metal/oxide/metal system"; Cavaliere E.; Artiglia L.; Barcaro G.; Rizzi G.A.; Bondino F.; Fortunelli A.; Gavioli L.; Granozzi G.; PHYSICAL CHEMISTRY CHEMICAL PHYSICS; 13; 17171-17176; 2011.

37 "12th International Symposium on Polymer Electrolytes (ISPE-12) Foreword"; Vito Di Noto; ELECTROCHIMICA ACTA; 57; 1-3; 2011.

38 "A method based on time domain nuclear magnetic resonance for the forensic differentiation of latex gloves"; M. Mauri, L. Mauri, V. Causin, R. Simonutti; ANALYTICAL METHODS; 3; 1802-1809; 2011.

39 "Conductivity, XRD, and FTIR Studies of New Mg²⁺-ion-conducting Solid Polymer Electrolytes: [PEG: Mg(CH₃COO)₂]"; A. R. Polu, R. Kumar, V. Causin, R. Neppalli; JOURNAL OF THE KOREAN PHYSICAL SOCIETY; 59; 114-118; 2011.

- 40 "Synthesis, preferred conformation, protease stability, and membrane activity of heptaibin, a medium-length peptaibiotic"; M. De Zotti, B. Biondi, C. Peggion, Y. Park, K.-S. Hahm, F. Formaggio, C. Toniolo; JOURNAL OF PEPTIDE SCIENCE; 17; 585-594; 2011.
- "Chiral, fully extended helical peptides"; M. Crisma, A. Moretto, C. Peggion, L. Panella, 41 B. Kaptein, Q. B. Broxterman, F. Formaggio, C. Toniolo; AMINO ACIDS; 41; 629-641; 2011.
- "Comparison of distance information in [TOAC1, Glu(OMe)7, 18, 19] alamethicin F50/5 42 from paramagnetic relaxation enhancement measurements with data obtained from an X-ray diffraction-based model"; R. A. Jose, M. De Zotti, C. Peggion, F. Formaggio, C. Toniolo, W. M. De Borggraeve; JOURNAL OF PEPTIDE SCIENCE; 17; 377-382; 2011.
- "CdSe Core-Shell Nanoparticles as Active Materials for Up-Converted Emission"; Ilaria 43 Fortunati, Raffaella Signorini, Renato Bozio, Jacek. J. Jasieniak, Alessandro Antonello, Alessandro Martucci, Gioia Della Giustina, Giovanna Brusatin, Massimo Guglielmi; JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES; 115; 3840-3846; 2011.
- "Controlled Aqueous Atom Transfer Radical Polymerization with Electrochemical 44 Generation of the Active Catalyst"; Nicola Bortolamei, Abdirisak A. Isse, Andrew J. D. Magenau, Armando Gennaro, Krzysztof Matyjaszewski; ANGEWANDTE CHEMIE; 50; 11391-11394; 2011.
- "Mechanism of Carbon-Halogen Bond Reductive Cleavage in Activated Alkyl Halide 45 Initiators Relevant to Living Radical Polymerization: Theoretical and Experimental Study"; Abdirisak A. Isse, Armando Gennaro, Ching Yeh Lin, Jennifer L. Hodgson, Michelle L. Coote, Tamaz Gulashvili; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY; 133; 6254-6264; 2011.
- "One-pot synthesis of benzoic acid by electrocatalytic reduction of bromobenzene in the 46 presence of CO₂"; ISSE AA; DURANTE C; Gennaro A; ELECTROCHEMISTRY COMMUNICATIONS; 13; 810-813; 2011.
- "¹³C-isotope labelling for the facilitated NMR analysis of a complex dynamic chemical 47 system"; M. Dal Molin, G. Gasparini, P. Scrimin, F. Rastrelli, L. J. Prins; CHEMICAL COMMUNICATIONS; 47; 12476-12478; 2011.
- "Bis(azobenzene)-based photoswitchable, prochiral, C α -tetrasubstituted α -amino acids for 48 nanomaterials applications."; P. Fatàs, E. Longo, F. Rastrelli, M. Crisma, C. Toniolo, A. I. Jiménez, C. Catiuela, A. Moretto.; CHEMISTRY; 17; 12606-12611; 2011.
- "Magnetic iron oxide nanoparticles with tunable size and free surface obtained via a "green" 49 approach based on laser irradiation in water"; Vincenzo Amendola, Pietro Riello, Stefano Polizzi, Stefania Fiameni, Claudia Innocenti, Claudio Sangregorio, Moreno Meneghetti; JOURNAL OF MATERIALS CHEMISTRY; 21; 18665-18673; 2011.
- "Unprecedented Selectivity and Structural Determinants of a New Class of Protein Kinase 50 CK2 Inhibitors in Clinical Trials for the Treatment of Cancer"; R. Battistutta, G. Cozza, F. Pierre, E. Papinutto, G. Lolli, S. Sarno, S. E. O'Brien, A. Siddiqui-Jain, M. Haddach, K. Anderes, D. M. Ryckman, F. Meggio, L. A. Pinna; BIOCHEMISTRY; 50; 8478-8488; 2011.
- "Structural and functional determinants of protein kinase CK2 α : facts and open 51 questions"; R. Battistutta, G. Lolli; MOLECULAR AND CELLULAR BIOCHEMISTRY; 356; 67-73; 2011.
- "Photoinduced water oxidation using dendrimeric Ru(II) complexes as photosensitizers"; 52 Fausto Puntoriero, Andrea Sartorel, Michele Orlandi, Giuseppina La Ganga, Scolastica Serroni, Marcella Bonchio, Franco Scandola, Sebastiano Campagna; COORDINATION CHEMISTRY REVIEWS; 255; 2594-2601; 2011.

- 53 "Structure, morphology, and biodegradability of poly(ϵ -caprolactone)-based nanocomposites"; Ramesh Neppalli, Valerio Causin, Carla Marega, Roberta Saini, Miriam Mba, Antonio Marigo; POLYMER ENGINEERING AND SCIENCE; 51; 1489-1496; 2011.
- 54 "Proinflammatory effects of bare and PEGylated ORMOSIL-, PLGA- and SUV-NPs on monocytes and PMNs and their modulation by f-MLP."; Segat D, Tavano R, Donini M, Selvestrel F, Rio-Echevarria I, Rojnik M, Kocbek P, Kos J, Iratni S, Shegmann D, Mancin F, Dusi S, Papini E.; NANOMEDICINE; 6; 1027-1046; 2011.
- 55 "Dendron-functionalized multiwalled carbon nanotubes incorporating polyoxometalates for water-splitting catalysis"; Francesca Maria Toma, Andrea Sartorel, Mauro Carraro, Marcella Bonchio, Maurizio Prato; PURE AND APPLIED CHEMISTRY; 83; 1529-1542; 2011.
- 56 "Tailored Functionalization of Carbon Nanotubes for Electrocatalytic Water Splitting and Sustainable Energy Applications"; Francesca Maria Toma, Andrea Sartorel, Matteo Iurlo, Mauro Carraro, Stefania Rapino, Lena Hooper-Burkhardt, Tatiana Da Ros, Massimo Marcaccio, Gianfranco Scorrano, Francesco Paolucci, Marcella Bonchio, Maurizio Prato; CHEMSUSCHEM; 4; 1447-1451; 2011.
- 57 "Improvement of tensile properties and tuning of the biodegradation behavior of polycaprolactone by addition of electrospun fibers"; Ramesh Neppalli, Carla Marega, Antonio Marigo, Madhab Prasad Bajgai, Hak Yong Kim, Valerio Causin; POLYMER; 52; 4054-4060; 2011.
- 58 "The effect of a synthetic double layer hydroxide on the rate of II \rightarrow I phase transformation of poly(1-butene)"; C. Marega, V. Causin, R. Neppalli, R. Saini, G. Ferrara, A. Marigo; EXPRESS POLYMER LETTERS; 5; 1050-1061; 2011.
- 59 "Echo detected EPR as a tool for detecting radiation-induced defect signals in pottery"; A. Zoleo; C. Bortolussi, M. BRUSTOLON; RADIATION MEASUREMENTS; 46; 676-679; 2011.
- 60 "Predicting the UV spectrum of polyoxometalates by TD-DFT"; RAVELLI D; DONDI D; FAGNONI M; ALBINI A; A. BAGNO; JOURNAL OF COMPUTATIONAL CHEMISTRY; 32; 2983-2987; 2011.
- 61 "Design, fabrication and characterization of plasmonic gratings for SERS"; F. Romanato; R. Pilot; M. Massari; T. Ongarello; G. Pirruccio; P. Zilio; G. Ruffato; M. Carli; D. Sammito; V. Giorgis; D. Garoli; R. Signorini; P. Schiavuta; R. Bozio; MICROELECTRONIC ENGINEERING; 88; 2717-2720 ; 2011.
- 62 "Synthesis of novel fullerene-functionalized polysulfones for optical limiting applications"; Celli A; Marchese P; Vannini M; Berti C; Fortunati I; R. SIGNORINI; Bozio R; REACTIVE & FUNCTIONAL POLYMERS; 71; 641-647; 2011.
- 63 "Facile production of up-converted quantum dot lasers"; R. SIGNORINI; Fortunati I; Todescato F; Gardin S; Bozio R; Jasieniak JJ; Martucci A; Della Giustina G; Brusatin G; Guglielmi M; NANOSCALE; 3; 4109-4113; 2011.
- 64 "Silver Nanoparticle Arrays on a DVD-Derived Template: An easy&cheap SERS Substrate"; Giallongo G; Pilot R; Durante C; Rizzi GA; R. SIGNORINI; Bozio R; Gennaro A; Granozzi G; PLASMONICS; 6; 725-733; 2011.
- 65 "UV-Curable SiO₂-TiO₂ Films for the Realization of Diffractive Optical Elements"; Gardin S; Della Giustina G; Brusatin G; R. SIGNORINI; JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY; 11; 195-199; 2011.
- 66 "Plasmon-Enhanced Optical Trapping of Gold Nanoaggregates with Selected Optical Properties"; E. MESSINA; E. CAVALLARO; A. CACCIOLA; M.A. IATI'; P. G. GUCCIARDI; F. BORGHESE; P. DENTI; R. SAIJA; G. COMPAGNINI; M. MENEGHETTI; V. AMENDOLA; O. M. MARAGO'; ACS NANO; 5; 905-913; 2011.

- 67 "Determination of atomic oxygen in atmospheric plasma from oxygen isotope exchange"; M. SCHIORLIN; E. MAROTTA; H.-H. KIM; C. PARADISI; A. OGATA; PLASMA PROCESSES AND POLYMERS; 8; 859-866; 2011.
- "The mystery of the discolored flints. New molecules turn prehistoric lithic artifacts blue"; A. TAPPARO; G. ARTIOLI; I. ANGELINI I; G. FAVARO; ANALYTICAL AND BIOANALYTICAL CHEMISTRY; 399; 2389-2393; 2011.
- 69 "Antitumor activity of gold(III)-dithiocarbamate derivatives on prostate cancer cells and xenografts"; L. Cattaruzza; D. Fregona; M. Mongiat; L. Ronconi; A. Fassina; A. Colombatti; D. Adinucci; INTERNATIONAL JOURNAL OF CANCER; 128; 206-215; 2011.
- 70 "Investigation of Streptomyces antibioticus tyrosinase reactivity toward chlorophenols."; MARINO SM; FOGAL S; M. BISAGLIA; MORO S; SCARTABELLI G; DE GIOIA L; SPADA A; MONZANI E; CASELLA L; MAMMI S; BUBACCO L; ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS; 505; 67-74; 2011.
- 71 "A Tetranuclear Planar Hafnium Complex Containing O-Hf-S Moieties"; Maratini F; L. PANDOLFO; Rizzato S; Albinati A; Venzo A; Tondello E; Gross S; EUROPEAN JOURNAL OF INORGANIC CHEMISTRY; ; 3281-3283; 2011.
- 72 "Chromium wheels quasi-hexagonal 2D assembling by direct UHV sublimation"; Rancan M; Sedona F; Di Marino M; Armelao L; M. SAMBI; CHEMICAL COMMUNICATIONS; 47; 5744-5746; 2011.
- 73 "Oxygen isotope ($^{18}\text{O}_2$) evidence on the role of oxygen in the plasma-driven catalysis of VOC oxidation"; KIM H.-H; OGATA A; SCHIORLIN M; E. MAROTTA; PARADISI C; CATALYSIS LETTERS; 141; 277-282; 2011.
- 74 "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; S. SANTI; MENEGHETTI M; JOURNAL OF PHYSICAL CHEMISTRY. A, MOLECULES, SPECTROSCOPY, KINETICS, ENVIRONMENT, & GENERAL THEORY; 115; 8344-8349; 2011.
- 75 "Magnetic Nanoparticles of Iron Carbide, Iron Oxide, Iron@Iron Oxide, and Metal Iron Synthesized by Laser Ablation in Organic Solvents"; AMENDOLA V; RIELLO P; M. MENEGHETTI; JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES; 115; 5140-5146; 2011.
- 76 "A joint Raman and EPR spectroscopic study on ball-milled nanographites"; M. Tommasini; C. Castiglioni; G. Zerbi; A. BARBON; M. BRUSTOLON; CHEMICAL PHYSICS LETTERS; 516; 220-224; 2011.
- 77 "RF-sputtering preparation of gold-nanoparticle-modified ITO electrodes for electrocatalytic applications"; BALLARIN B; CASSANI MC; C. MACCATO; GASPAROTTO A; NANOTECHNOLOGY; 22; 275711-275719; 2011.
- 78 "Plasma-assisted synthesis of Ag/ZnO nanocomposites: first example of photo-induced H_2 production and sensing"; Q. SIMON; D. BARRECA; D. BEKERMANN; A. GASPAROTTO; C. MACCATO; E. COMINI; V. GOMBAC; P. FORNASIERO; O.I. LEBEDEV; S. TURNER; A. DEVI; R.A. FISCHER; G. VAN TENDELOO; INTERNATIONAL JOURNAL OF HYDROGEN ENERGY; 36; 15527-15537; 2011.
- 79 "Tailored vapor-phase growth of $\text{Cu}_x\text{O-TiO}_2$ ($x = 1, 2$) nanocomposites decorated with Au nanoparticles"; D. BARRECA; G. CARRARO; A. GASPAROTTO; C. MACCATO; O.I. LEBEDEV; A. PARFENOVA; S. TURNER; E. TONDELLO; G. VAN TENDELOO; LANGMUIR; 27; 6409-6417; 2011.
- 80 "Strongly oriented Co_3O_4 thin films on $\text{MgO}(100)$ and $\text{MgAl}_2\text{O}_4(100)$ substrates by PE-CVD"; BARRECA D; DEVI A; FISCHER RA; BEKERMANN D; GASPAROTTO A; GAVAGNIN M; MACCATO C; TONDELLO E; BONTEMPI E; DEPERO LE; SADA C; CRYSTENGCOMM; 13; 3670-3673; 2011.

- 81 "Surface-Driven Porphyrin Self-Assembly on Pre-Activated Si Substrates"; T. CAROFIGLIO; E. COMINI; A. GASPAROTTO; E. LUBIAN; C. MACCATO; G. SBERVEGLIERI; JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY; 11; 3235-3244; 2011.
- 82 "Electron Paramagnetic Resonance (EPR) Study of Spin-Labeled Camptothecin Derivatives: A Different Look of the Ternary Complex"; RICCI A; MARINELLO J; BORTOLUS M; SANCHEZ A; GRANDAS A; PEDROSO E; POMMIER Y; CAPRANICO G; MANIERO AL; G. ZAGOTTO; JOURNAL OF MEDICINAL CHEMISTRY; 54; 1003-1009; 2011.
- 83 "Preparation of Tetrapod-Like ZnO/TiO₂ Core-Shell Nanostructures as Photocatalytic Powder"; Sartori A; Visentin F; El Habra N; De Zorzi C; Natali M; Garoli D; Gerbasi R; M. CASARIN; Rossetto G; CRYSTAL RESEARCH AND TECHNOLOGY; 46; 885-890; 2011.
- 84 "Superhydrophilic and Tribological Improvements of Polymeric Surfaces via Plasma Enhanced Chemical Vapor Deposition Ceramic Coatings"; Cavallin T; El Habra N; M. CASARIN; Bordin F; Sartori A; Favaro M; Gerbasi R; Rossetto G; JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY; 11; 8079-8082; 2011.
- 85 "Synthesis and Self-Assembly of Oligo(p-phenylenevinylene) Peptide Conjugates in Water"; MBA BLAZQUEZ M; MORETTO A; ARMELAO L; CRISMA M; TONIOLO C; M. MAGGINI; CHEMISTRY-A EUROPEAN JOURNAL; 17; 2044-2047; 2011.
- 86 "Manipulation and Raman Spectroscopy with Optically Trapped Metal Nanoparticles Obtained by Pulsed Laser Ablation in Liquids"; E. MESSINA; E. CAVALLARO; A. CACCIOLA; R. SAIJA; F. BORGHESE; P. DENTI; B. FAZIO; C. DANDREA; P. G. GUCCIARDI; M. A. IATI; M. MENEGHETTI; G. COMPAGNINI; V. AMENDOLA; O. M. MARAGO; JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES; 115; 5115-5122; 2011.
- 87 "Hybrid Polyoxometalates: Merging Organic and Inorganic Domains for Enhanced Catalysis and Energy Applications"; BERARDI S; M. CARRARO; SARTOREL A; MODUGNO G; BONCHIO M; ISRAEL JOURNAL OF CHEMISTRY; 51; 259-274; 2011.
- 88 "Advanced oxidation processes coupled with electrocoagulation for the exhaustive abatement of Cr-EDTA"; DURANTE C; CUSCOV M; ISSE AA; SANDONA' G; A. GENNARO; WATER RESEARCH; 45; 2122-2130; 2011.
- 89 "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; S. SANTI; ORGANIC LETTERS; 13; 1282-1285; 2011.
- 90 "Dependence of nonadiabatic intramolecular dissociative electron transfers on stereochemistry and driving force"; ANTONELLO S; VENZO A; F. MARAN; JOURNAL OF ELECTROANALYTICAL CHEMISTRY; 660; 234-242; 2011.
- 91 "Role of Au Nanoparticles and NiTiO₃ Matrix in H₂S Sensing and Its Catalytic Oxidation to SO_x"; DELLA GASPERA ENRICO; GUGLIELMI MASSIMO; GIALLONGO GIUSEPPE; AGNOLI STEFANO; G. GRANOZZI; QUAGLIO FRANCO; MARTUCCI ALESSANDRO; SENSOR LETTERS; 9; 591-594; 2011.
- 92 "Top-down synthesis of multifunctional iron oxide nanoparticles for macrophage labelling and manipulation"; AMENDOLA V; M. MENEGHETTI; GRANOZZI G; AGNOLI S; POLIZZI S; RIELLO P; BOSCAINI A; ANSELMINI C; FRACASSO G; COLOMBATTI M; INNOCENTI C; GATTESCHI D; SANGREGORIO C; JOURNAL OF MATERIALS CHEMISTRY; 21; 3803-3813; 2011.
- 93 "F-Doped Co₃O₄ Photocatalysts for Sustainable H₂ Generation from Water/Ethanol"; A. GASPAROTTO; D. Barreca; D. Bekermann; A. Devi; R. A. Fischer; P. Fornasiero; V. Gombac; O. I. Lebedev; C. Maccato; T. Montini; G. Van Tendeloo; E. Tondello; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY; 133; 19362-19365; 2011.

- 94 "Oxygenic polyoxometalates: a new class of molecular propellers"; SARTOREL A; TRUCCOLO M; BERARDI S; GARDAN M; M. CARRARO; TOMA FM; SCORRANO G; PRATO M; BONCHIO M; CHEMICAL COMMUNICATIONS; 47; 1716-1718; 2011.
- 95 "Lethal aerial powdering of honey bees with neonicotinoids from fragments of maize seed coat"; MARZARO M; VIVAN L; TARGA A; MAZZON L; MORI N; GREATTI M; TOFFOLO EP; DI BERNARDO A; GIORIO C; D. MARTON; TAPPARO A; GIROLAMI V; BULLETIN OF INSECTOLOGY; 64; 119-126; 2011.
- 96 "Water-soluble peptide-coated nanoparticles: Control of the helix structure and enhanced differential binding to immune cells"; RIO-ECHEVARRIA IM; TAVANO R; CAUSIN V; E. PAPINI; MANCIN F; MORETTO A; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY; 133; 8-11; 2011.
- 97 "Reactivity of Fe Nanoparticles on TiO(x)/Pt(111): A Complete Surface Science Investigation"; ARTIGLIA LUCA; CAVALIERE EMANUELE; VASCON ALESSIO; BONDINO FEDERICA; RIZZI GIAN ANDREA; GAVIOLI LUCA; G. GRANOZZI; JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES; 115; 15812-15821; 2011.
- 98 "MOCVD of ZnO Films from Bis(Ketoiminato)Zn(II) Precursors: Structure, Morphology and Optical Properties"; BEKERMANN D; LUDWIG A; TOADER T; C. MACCATO; BARRECA D; GASPAROTTO A; BOCK C; WIECK AD; KUNZE U; TONDELLO E; FISCHER RA; DEVI A; CHEMICAL VAPOR DEPOSITION; 17; 155-161; 2011.
- 99 "Novel synthesis and gas sensing performances of CuO-TiO₂ nanocomposites functionalized with Au nanoparticles"; BARRECA D; CARRARO G; COMINI E; GASPAROTTO A; MACCATO C; SADA C; SBERVEGLIERI G; TONDELLO E; JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES; 115; 10510-10517; 2011.
- 100 "Metabolic reprogramming" in ovarian cancer cells resistant to cisplatin"; MONTOPOLI M; BELLANDA M; LONARDONI F; E. RAGAZZI; DORIGO P; FROLDI G; MAMMI S; CAPARROTTA L; CURRENT CANCER DRUG TARGETS; 11; 226-235; 2011.
- 101 "Phase behavior and properties of the liquid-crystal dimer 1',7'-bis(4-cyanobiphenyl-4'-yl) heptane: A twist-bend nematic liquid crystal"; M. Cestari; S. Diez-Berart; A. A. Dunmur; A. FERRARINI; M. R. de la Fuente; D. J. B. Jackson; D. O. Lopez; G. R. Luckhurst; M. A. Perez-Jubindo; R. M. Richardson; J. Salud; B. A. Timimi; H. Zimmermann; PHYSICAL REVIEW E, STATISTICAL, NONLINEAR, AND SOFT MATTER PHYSICS; 84; 031704-1-031704-20; 2011.
- 102 "Water Mobility and Distribution in Green Coffee Probed by Time-Domain Nuclear Magnetic Resonance"; G. VENDITTI; E. SCHIEVANO; L. NAVARINI; S. MAMMI; FOOD BIOPHYSICS; 6; 321-326; 2011.
- 103 "Structure Elucidation of the Dye Acid Red 131: Complete ¹H, ¹³C and ¹⁵N NMR Data Assignment."; E. Schievano; I. Menegazzo; E. Marotta; S. MAMMI; MAGNETIC RESONANCE IN CHEMISTRY; 49; 523-528; 2011.
- 104 "Antamanide, a Derivative of Amanita phalloides, is a Novel Inhibitor of the Mitochondrial Permeability Transition Pore."; L. Azzolin; N. Antolini; A. Calderan; P. Ruzza; M. Sciacovelli; O. Marin; S. MAMMI; P. Bernardi; A. Rasola; PLOS ONE; 6; e16280 -; 2011.
- 105 "ATP Site-Directed Inhibitors of Protein Kinase CK2: An Update"; Sarno S; Papinutto E; Franchin C; Bain J; Elliott M; Meggio F; Kazimierczuk Z; Orzeszko A; G. ZANOTTI; Battistutta R; Pinna LA; CURRENT TOPICS IN MEDICINAL CHEMISTRY; 11; 1340-1351; 2011.
- 106 "Size-dependent Direct Electrochemical Detection of Gold Nanoparticles: Application in Magnetoimmunoassays"; Escosura-Muñiz A; Parolo C; F. MARAN; Mekoçi A; NANOSCALE; 3; 3350-3356; 2011.

- 107 "Dimers of polar chromophores in solution: role of excitonic interactions in one- and two-photon absorption properties"; Todescato F; Fortunati I; Carlotto S; C. FERRANTE; Grisanti L; Sissa C; Painelli A; Colombo A; Dragonetti C; Roberto D; PHYSICAL CHEMISTRY CHEMICAL PHYSICS; 13; 11099-11109; 2011.
- 108 "Multipolar symmetric squaraines with large two-photon absorption cross-sections in the NIR region "; Collini E; Carlotto S; C. FERRANTE; Bozio R; Polimeno A; Bloino J; Barone V; Ronchi E; Beverina L; Pagani GA; PHYSICAL CHEMISTRY CHEMICAL PHYSICS; 13; 12087-12094; 2011.
- 109 "Time correlated fluorescence characterization of an asymmetrically focused flow in a microfluidic device"; Carlotto S; Fortunati I; C. FERRANTE; Schwillle P; Polimeno A; MICROFLUIDICS AND NANOFUIDICS; 10; 551-561; 2011.
- 110 "Strategy for the improvement of mixing in microdevices"; I. Fortunati, N. Rossetto, R. Signorini, C. Ferrante, S. Carlotto, A. Polimeno; LA HOUILLE BLANCHE; 4; 79-85; 2011.
- 111 "Monomeric Fullerenes in Lipid Membranes: Effects of Molecular Shape and Polarity"; M. Bortolus; G. Parisio; A. L. Maniero; A. FERRARINI; LANGMUIR; 27; 12560-12568; 2011.
- 112 "Plasma Enhanced-CVD of undoped and fluorine-doped Co₃O₄ nanosystems for novel gas sensors"; Barreca D; Bekermann D; Comini E; Devi A; Fischer RA; Gasparotto A; Gavagnin M; Maccato C; Sada C; Sberveglieri G; Tondello E; SENSORS AND ACTUATORS. B, CHEMICAL; 160; 79-86; 2011.
- 113 "The Honey-bee antimicrobial peptide Apidaecin differentially immune-modulates human macrophages, monocytes and dendritic cells."; TAVANO R; SEGAT D; M. GOBBO; PAPINI E; JOURNAL OF INNATE IMMUNITY; 3; 614-622; 2011.
- 114 "Promising Anticancer Mono- and Dinuclear Ruthenium(III) Dithiocarbamate Complexes: Systematic Solution Studies"; E. M. Nagy; C. Nardon; L. Giovagnini; L. Marchiò; A. Trevisan; D. Fregona; DALTON TRANSACTIONS; 40; 11885-11895; 2011.
- 115 "Gold(III)-dithiocarbamate anticancer agents: activity, toxicology and histopathological studies in rodents"; C. MARZANO; L. RONCONI; F. CHIARA; M.C. GIRON; I. FAUSTINELLI; P. CRISTOFORI; A. TREVISAN; D. FREGONA; INTERNATIONAL JOURNAL OF CANCER; 129; 487-496; 2011.
- 116 "Proteins conjugation with ZnO sol-gel nanopowders"; ARMELAO L; BOTTARO G; BOVO L; MACCATO C; TONDELLO E; ANSELMINI F; BERSANI S; P. CALICETI; JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY; 60; 352-358; 2011.
- 117 "Platinum(II)-Chloride Indenyl Complexes: Electrochemical and Biological Evaluation"; L. Dalla Via; S. Santi; V. Di Noto; A. Venzo; E. Agostinelli; A. Calcabrini; M. Condello; A. Toninello; JBIC; 16; 695-713; 2011.
- 118 "Polymer control of ligand display on gold nanoparticles for multimodal switchable targeting"; MASTROTTO F; CALICETI P; AMENDOLA V; BERSANI S; MAGNUSSON JP; MENEGHETTI M; MANTOVANI G; ALEXANDER C; S. SALMASO; CHEMICAL COMMUNICATIONS; 47; 9846-9848; 2011.
- 119 "Olefin cyclopropanation with aryl diazocompounds upon catalysis by a dirhodium(II) complex"; M. Verdecchia, C. Tubaro, A. Biffis; TETRAHEDRON LETTERS; 52; 1136-1139; 2011.
- 120 "Dinuclear N-Heterocyclic Dicarbene Gold Complexes in I-III and III-III Oxidation States: Synthesis and Structural Analysis"; M. Baron, C. Tubaro, M. Basato, A. Biffis, M. M. Natile, C. Graiff; ORGANOMETALLICS; 30; 4607-4615; 2011.
- 121 "Benzocyclotrimers: From the Mills-Nixon Effect to Gas Hosting"; Fabris F; C. ZONTA; Borsato G; De Lucchi O; ACCOUNTS OF CHEMICAL RESEARCH; 44; 416-423; 2011.

- 122 "Enantiopure Ti(IV) Amino Triphenolate Complexes as NMR Chiral Solvating Agents"; C. ZONTA; Kolarovic A; Mba M; Pontini M; Kuendig E. P; Licini G; CHIRALITY; 23; 796-800; 2011.
- "Recent advances in vanadium catalyzed oxygen transfer reactions"; Licini G; Conte V; 123 Coletti A; Mba M; C. ZONTA; COORDINATION CHEMISTRY REVIEWS; 255; 2345-2357; 2011.
- "Mechanistic aspects of vanadium catalysed oxidations with peroxides"; Conte V; Coletti A; 124 Floris B; Licini G; C. ZONTA; COORDINATION CHEMISTRY REVIEWS; 255; 2165-2177; 2011.
- "In Silico Interpretation of cw-ESR at 9 and 95 GHz of Mono- and bis- TOAC-Labeled Aib-Homopeptides in Fluid and Frozen Acetonitrile"; S. Carlotto, M. Zerbetto, M.H. Shabestari, 125 A. Moretto, F. Formaggio, M. Crisma, C. Toniolo, H. Huber, A. Polimeno; JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL; 115; 13026-13036; 2011.
- "Backbone Dynamics of Deoxy and Carbonmonoxy Hemoglobin by NMR/SRLS"; E. 126 Meirovitch, M. Zerbetto, A. POLIMENO, J.H. Freed; JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL; 115; 143-157; 2011.
- "Integrated Computational Approach to the Analysis of NMR Relaxation in Proteins: Application to ps-ns Main Chain (15)N-(1)H and Global Dynamics of the Rho GTPase 127 Binding Domain of Plexin-B1"; M. Zerbetto, M. Buck, E. Meirovitch, A. POLIMENO; JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL; 115; 376-388; 2011.
- "Methyl Dynamics of a Ca(2+)-Calmodulin-Peptide Complex from NMR/SRLS"; Shapiro 128 YE; A. POLIMENO; Freed JH; Meirovitch E; JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL; 115; 354-365; 2011.
- "Dirichlet-to-Neumann Map for a Nonlinear Diffusion Equation"; Barone V; De Lillo S; 129 Lupo G; A. POLIMENO; STUDIES IN APPLIED MATHEMATICS; 126; 145-155; 2011.
- "Catalytic Self-Assembled Monolayers on Au Nanoparticles: The Source of Catalysis of a 130 Transphosphorylation Reaction"; ZAUPA G; MORA C; BONOMI R; L. PRINS; SCRIMIN P; CHEMISTRY-A EUROPEAN JOURNAL; 17; 4879-4889; 2011.
- "Sensing through signal amplification"; SCRIMIN P; L. PRINS; CHEMICAL SOCIETY 131 REVIEWS; 40; 4488-4505; 2011.
- "Detection of Enzyme Activity through Catalytic Signal Amplification with Functionalized 132 Gold Nanoparticles"; BONOMI R; CAZZOLARO A; SANSONE A; SCRIMIN P; L. PRINS; ANGEWANDTE CHEMIE. INTERNATIONAL EDITION; 50; 2307-2312; 2011.
- "Theil-Sen nonparametric regression technique on univariate calibration, inverse regression 133 and detection limits"; IRMA LAVAGNINI; DENIS BADOCCO; P. PASTORE; FRANCO MAGNO; TALANTA; 87; 180-188; 2011.
- "Rationalization of the behaviour of a bi-label oxygen optical sensor"; DENIS BADOCCO; 134 ANDREA MONDIN; P. PASTORE; SENSORS AND ACTUATORS. B, CHEMICAL; 158; 54-61; 2011.
- "Crucial role of molecular curvature for the bend elastic and flexoelectric properties of liquid 135 crystals: mesogenic dimers as a case study"; M. CESTARI; E. FREZZA; A. FERRARINI; G. R. LUCKHURST; JOURNAL OF MATERIALS CHEMISTRY; 21; 12303-12308; 2011.
- "Right- and left-handed liquid crystal assemblies of oligonucleotides: phase chirality as a 136 reporter of a change in non-chiral interactions?"; E. FREZZA; F. TOMBOLATO; A. FERRARINI; SOFT MATTER; 7; 9291-9296; 2011.

- "Polarity-Sensitive Fluorescent Probes in Lipid Bilayers: Bridging Spectroscopic Behavior and Microenvironment Properties"; G. PARISIO; A. MARINI; A. BIANCARDI; A. FERRARINI; B. MENNUCCI ; JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL; 115; 9980-9989; 2011.
- "Central-to-Axial Chirality Transfer Revealed by Liquid Crystals: A Combined Experimental and Computational Approach for the Determination of Absolute Configuration of Carboxylic Acids with an alpha Chirality Centre"; A. FERRARINI; FERRONI F; PIERACCINI S; ROSINI C; SUPERCHI S; SPADA GP; CHIRALITY; 23; 736-743; 2011.
- "Reactive Zr(IV) and Hf(IV) Butterfly Peroxides on Polyoxometalate Surfaces: Bridging the Gap between Homogeneous and Heterogeneous Catalysis"; M. CARRARO; NSOULI N; OELRICH H; SARTOREL A; SORARU A; MAL S S; SCORRANO G; WALDER L; KORTZ U; BONCHIO M; CHEMISTRY-A EUROPEAN JOURNAL; 17; 8371-8378; 2011.
- "Effect of the Charge State ($z = -1, 0, +1$) on the Nuclear Magnetic Resonance of Monodisperse Au(25)[S(CH₂)(₂)Ph](18)(z) Clusters"; VENZO A; S. ANTONELLO; GASCON JA; GURYANOV I; LEAPMAN RD; PERERA NV; SOUSA A; ZAMUNER M; ZANELLA A; MARAN F; ANALYTICAL CHEMISTRY; 83; 6355-6362; 2011.
- "Single Two-Electron Transfers and Successive One-Electron Transfers in Biferrocenyl-Indacene Isomers"; DONOLI A; BISELLO A; CARDENA R; BENETOLLO F; CECCON A; S. SANTI; ORGANOMETALLICS; 30; 1116-1121; 2011.
- "Electron transfer within C(4) unsaturated spacers between terminal ferrocenyl moieties"; DONOLI A; BISELLO A; CARDENA R; CECCON A; BASSETTI M; D'ANNIBALE A; PASQUINI C; RANERI A; S. SANTI; INORGANICA CHIMICA ACTA; 374; 442-446; 2011.
- "Partially oxidized graphene as a precursor to graphene"; EDA GOKI; BALL JAMES; MATTEVI CECILIA; ACIK MUGE; Luca Artiglia; G. GRANOZZI; CHABAL YVES; ANTHOPOULOS THOMAS D.; CHHOWALLA MANISH; JOURNAL OF MATERIALS CHEMISTRY; 21; 11217-11223; 2011.
- "Template-assisted assembly of transition metal nanoparticles on oxide ultrathin films"; GAVIOLI LUCA; CAVALIERE EMANUELE; AGNOLI STEFANO; BARCARO GIOVANNI; FORTUNELLI ALESSANDRO; G. GRANOZZI; PROGRESS IN SURFACE SCIENCE; 86; 59-81; 2011.
- "Interplay between Layer-Resolved Chemical Composition and Electronic Structure in a Sn/Pt(110) Surface Alloy"; Agnoli S; Barcaro G; Barolo A; Fortunelli A; M. SAMBI; Sedona F; Di Marino M; Skala T; Granozzi G; JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES; 115; 14264-14269; 2011.
- "Interaction of thorium(IV) with nitrate in aqueous solution: medium effect or weak complexation?"; P. DI BERNARDO; ZANONATO P.; RAO L; BISMONDO A; ENDRIZZI F; DALTON TRANSACTIONS; 40; 9101-9105; 2011.
- "On-line monitoring and active control of dye uptake in dye-sensitised solar cells"; ISABELLA CONCINA; ENRICO FRISON; ANTONIO BRAGA; SIMONE SILVESTRINI; MICHELE MAGGINI; GIORGIO SBERVEGLIERI; ALBERTO VOMIERO; T. CAROFIGLIO; CHEMICAL COMMUNICATIONS; 47; 11656-11658; 2011.
- "Efficient as-cast bulk-heterojunction solar cells based on a tert-butyl substituted methanofullerene acceptor"; MIRKO SERI; EMILIANO ROSSI; T. CAROFIGLIO; SABRINA ANTONELLO; GIAMPIERO RUANI; MICHELE MAGGINI; MICHELE MUCCINI; JOURNAL OF MATERIALS CHEMISTRY; 21; 18308-18316; 2011.
- "The continuous-flow cycloaddition of azomethine ylides to carbon nanotubes"; SALICE P; MAITY P; ROSSI E; CAROFIGLIO T; E. MENNA; M. MAGGINI; CHEMICAL COMMUNICATIONS; 47; 9092-9094; 2011.

- 150 "Electronic Interactions between "Pea" and "Pod": The Case of Oligothiophenes Encapsulated in Carbon Nanotubes"; GAO J; BLONDEAU P; SALICE P; E. MENNA; BARTOVA B; HEBERT C; LESCHNER J; KAISER U; MILKO M; AMBROSCH-DRAXL C; LOI MA; SMALL; 7; 1807-1815; 2011.
- 151 "Bulky melamine-based Zn-porphyrin tweezer as a CD probe of molecular chirality"; T. CAROFIGLIO; GHISLAINE VANTOMME; YASHIRA L. NEGRÁ "N-ABRIL; ELISA LUBIAN; GIACOMO SAIELLI; ILEANA MENEGAZZO; ROSELYNN CORDERO; GLORIA PRONI; KOJI NAKANISHI; NINA BEROVA; CHIRALITY; 23; 808-819; 2011.
- 152 "Interactions of pyridinecarboxylic acid chelators with brain metal ions: Cu(II), Zn(II), and Al(III)"; SIJA E; DEAN A; JAKUSCH T; V. DI MARCO; VENZO A; KISS T; MONATSHEFTE FÜR CHEMIE; 142; 399-410; 2011.
- 153 "Evaluation of 4-hydroxy-6-methyl-3-pyridinecarboxylic acid and 2,6-dimethyl-4-hydroxy-3-pyridinecarboxylic acid as chelating agents for iron and aluminium"; DEAN A; MG FERLIN; BRUN P; I CASTAGLIUOLO; YOKEL RA; VENZO A; BOMBI GG; V. DI MARCO; INORGANICA CHIMICA ACTA; 373; 179-186; 2011.
- 154 "Continuous flow synthesis of methanofullerenes in microstructured reactors: A kinetic study"; SILVESTRINI S; DALLE NOGARE D; CAROFIGLIO T; MENNA E; P. CANU; MAGGINI M; EUROPEAN JOURNAL OF ORGANIC CHEMISTRY; 2011; 5571-5576; 2011.
- 155 "Iodide-conducting polymer electrolytes based on poly-ethylene glycol and MgI₂: Synthesis and structural characterization"; Michele Vittadello; D. I. Waxman; P. J. Sideris; Z. Gan; Ketı Vezzù; Enrico Negro; A. Safari; S. G. Greenbaum; Vito Di Noto; ELECTROCHIMICA ACTA; 57; 112-122; 2011.
- 156 "Broadband dielectric and conductivity spectroscopy of Li-ion conducting three-dimensional hybrid inorganic-organic networks as polymer electrolytes based on poly(ethyleneglycol)400,Zr and Al nodes"; Vito Di Noto, Michele Vittadello, Kensuke Yoshida, Sandra Lavina, Enrico Negro, Takeo Furukawa; ELECTROCHIMICA ACTA; 57; 192-200; 2011.
- 157 "Interplay between structural and electrochemical properties of Pt-Rh carbon nitride electrocatalysts for the oxygen reduction reaction"; Vito Di Noto, Enrico Negro, Ketı Vezzù, Luigi Toniolo, Giuseppe Pace; ELECTROCHIMICA ACTA; 57; 257-269; 2011.
- 158 "Polymer electrolytes: Present, past and future"; Vito Di Noto, Sandra Lavina; Guinevere A. Giffin; Enrico Negro; Bruno Scrosati; ELECTROCHIMICA ACTA; 57; 4-13; 2011.
- 159 "New Sulfonated Poly(p-phenylenesulfone)/Poly(1-oxotrimethylene) Nanocomposite Proton-Conducting Membranes for PEMFCs"; VITO DI NOTO; MATTEO PIGA; GUINEVERE A. GIFFIN; MICHEAL SCHUSTER; GIANNI CAVINATO; LUIGI TONIOLO; STEFANO POLIZZI; CHEMISTRY OF MATERIALS; 23; 4452-4458; 2011.
- 160 "Molecular Dynamics Simulations of the Self-Assembly of Tetraphenylporphyrin-Based Mono Layers and Bilayers at a Silver Interface"; BARONE V; M. CASARIN; FORRER D; MONTI S; PRAMPOLINI G; JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES; 115; 18434-18444; 2011.
- 161 "Effect of SiO₂ on the dynamics of proton conducting [Nafion/(SiO₂)_x] composite membranes: a solid-state ¹⁹F NMR study"; Lida Ghassemzadeh, Giuseppe Pace, Vito Di Noto, Klaus Mueller; PHYSICAL CHEMISTRY CHEMICAL PHYSICS; 13; 9327-9334; 2011.
- 162 "Atomic vapor deposition approach to In₂O₃ thin films"; M. HELLWIG; H. PARALA; J. CYBINKSA; D. BARRECA; A. GASPAROTTO; B. NIERMANN; H.W. BECKER; D. ROGALLA; J. FEYDT; S. IRSEN; A.V. MUDRING; J. WINTER; R.A. FISCHER; A. DEVI; JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY; 11; 8094-8100; 2011.

- 163 "Plasma Processing of Nanomaterials: Emerging Technologies for Sensing and Energy Applications"; A. GASPAROTTO; D. BARRECA; D. BEKERMANN; A. DEVI; R. A. FISCHER; C. MACCATO; E. TONDELLO; JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY; 11; 8206-8213; 2011.
- 164 "Hybrid porous resist with sensing functionality"; L. Brigo; G. Greci; L. Bau; A. Carpentiero; F. Mancin; F. Romanato; M. Tormen; M. Guglielmi; G. Brusatin; MICROELECTRONIC ENGINEERING; 88; 1913-1916; 2011.
- 165 "Photocatalytic H₂ and added-value by-products - the role of metal oxide systems in their synthesis from oxygenates"; M. CARGNELLO; A. GASPAROTTO; V. GOMBAC; T. MONTINI; D. BARRECA; P. FORNASIERO; EUROPEAN JOURNAL OF INORGANIC CHEMISTRY; ; 4309-4323; 2011.
- 166 "How does Cu(II) convert into Cu(I)? An unexpected ring-mediated single-electron reduction"; D. BARRECA; E. FOIS; A. GASPAROTTO; R. SERAGLIA; G. TABACCHI; E. TONDELLO; CHEMISTRY-A EUROPEAN JOURNAL; 17; 10864-10870; 2011.
- 167 "Evidence for the applicability of a novel procedure (swelling-poling-deswelling) to produce a stable alignment of second order NLO-chromophores covalently attached to a cross-linked PMMA or polystyrene polymeric network"; MARINOTTO D; PROUTIERE S; DRAGONETTI C; COLOMBO A; FERRUTI P; D. PEDRON; UBALDI MC; PIETRALUNGA S; JOURNAL OF NON-CRYSTALLINE SOLIDS; 357; 2075-2080; 2011.
- 168 "Synergistic Role of B and F Dopants in Promoting the Photocatalytic Activity of Rutile TiO₂"; M. FITTIPALDI; V. GOMBAC; A. GASPAROTTO; C. DEIANA; G. ADAMI; D. BARRECA; T. MONTINI; G. MARTRA; D. GATTESCHI; P. FORNASIERO; CHEMPHYSICHEM; 12; 2221-2224; 2011.
- 169 "Supported metal oxide nanosystems for H₂ photogeneration: quo vadis?"; D. BARRECA; G. CARRARO; V. GOMBAC; A. GASPAROTTO; C. MACCATO; P. FORNASIERO; E. TONDELLO; ADVANCED FUNCTIONAL MATERIALS; 21; 2611-2623; 2011.
- 170 "Exploiting Configurational Freezing in Nonequilibrium Monte Carlo Simulations"; NICOLINI P; D. FREZZATO; CHELLI R; JOURNAL OF CHEMICAL THEORY AND COMPUTATION; 7; 582-593; 2011.
- 171 "Structure and magnetism in compressed iron-cobalt alloys"; TORCHIO R; PASCARELLI S; MATHON O; MARINI C; ANZELLINI S; P. CENTOMO; MENEGHINI C; MOBILIO S; MORLEY NA; GIBBS MRJ; HIGH PRESSURE RESEARCH; 31; 148-152; 2011.
- 172 "Structure and single crystal spectroscopy of Green Fluorescent Proteins"; BETTATI S; PASQUALETTO E; LOLLI G; CAMPANINI B; R. BATTISTUTTA; BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS; 1814; 824-833; 2011.
- 173 "Pulsed EPR analysis of tooth enamel samples exposed to UV and gamma-radiations"; M. MARRALE; A. LONGO; M. BRAI; A. BARBON; M. BRUSTOLON; P. FATTIBENE; RADIATION MEASUREMENTS; 46; 789-792; 2011.
- 174 "Amphiphilic block copolymer/poly(dimethylsiloxane) (PDMS) blends and nanocomposites for improved fouling-release"; MARTINELLI E; SUFFREDINI M; GALLI G; A. GLISENTI; PETTITT ME; CALLOW ME; CALLOW JA; WILLIAMS D; LYALL G; BIOFOULING; 27; 529-541; 2011.
- 175 "Beyond quantum microcanonical statistics"; B. FRESCH, G.J. MORO; THE JOURNAL OF CHEMICAL PHYSICS; 134; 054510-1-054510-16; 2011.
- 176 "Water-Soluble Transition-Metal-Phthalocyanines as Singlet Oxygen Photosensitizers in Ene Reactions"; D'AMBROSIO P; TONUCCI L; D'ALESSANDRO N; A. MORVILLO; SORTINO S; BRESSAN M; EUROPEAN JOURNAL OF INORGANIC CHEMISTRY; ; 503-509; 2011.

- 177 "Advanced oxidation process for degradation of aqueous phenol in a dielectric barrier discharge reactor"; E. MAROTTA; M. SCHIORLIN; X. REN; M. REA; C. PARADISI; PLASMA PROCESSES AND POLYMERS; 8; 867-875; 2011.
- 178 "Characterization of plasma-induced phenol advanced oxidation process in a DBD reactor"; E. Marotta, E. Ceriani, V. Shapoval, M. Schiorlin, C. Ceretta, M. Rea, C. Paradisi ; THE EUROPEAN PHYSICAL JOURNAL. APPLIED PHYSICS; 55; 13811-; 2011.
- 179 "Sensing with fluorescent nanoparticles"; BAU L; TECILLA P; F. MANCIN; NANOSCALE; 3; 121-133; 2011.
- 180 "From Thioxo Cluster to Dithio Cluster: Exploring the Chemistry of Polynuclear Zirconium Complexes with S,O and S,S Ligands"; MARATINI F; L. PANDOLFO; BENDOVA M; SCHUBERT U; BAUER M; ROCCHIA M; VENZO A; TONDELLO E; GROSS S; INORGANIC CHEMISTRY; 50; 489-502; 2011.
- 181 "Synthesis, characterization, crystal structure and preliminary reactivity behaviour of new heteropolytopic ligands based on the 1,3,5-triazine spacer and pyrazolyl, tris-pyrazolylmethyl and tris-pyrazolylethoxy bonding fragments"; DI NICOLA C; GARAU F; MARCHETTI F; MONARI M; L. PANDOLFO; PETTINARI C; VENZO A; DALTON TRANSACTIONS; 40; 4941-4953; 2011.
- 182 "Rapid analysis of neonicotinoid insecticides in guttation drops of corn seedlings obtained from coated seeds"; A. TAPPARO; C. GIORIO; M. MARZARO; D. MARTON; L. SOLDA'; V. GIROLAMI; JOURNAL OF ENVIRONMENTAL MONITORING; 13; 1564-1568; 2011.
- 183 "The occurrence of chemical elements and POPs in loggerhead turtles (Caretta caretta): an overview"; SONIA DILIO; DANIELA MATTEI; MONICA F. BLASI; ALESSANDRO ALIMONTI; S. BOGIALLI; MARINE POLLUTION BULLETIN; 62; 1606-1615; 2011.
- 184 "Addressing the Stereochemistry of Complex Organic Molecules by Density Functional Theory-NMR: Vannusal B in Retrospective"; G. SAIELLI; K. C. NICOLAOU; A. ORTIZ; A. BAGNO; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY; 133; 6072-6077; 2011.
- 185 "New insights into the mechanism of activation of atom transfer radical polymerization by Cu(I) complexes"; DE PAOLI P; ISSE AA; BORTOLAMEI N; A. GENNARO; CHEMICAL COMMUNICATIONS; 47; 3580-3582; 2011.
- 186 "Estimation of Standard Reduction Potentials of Halogen Atoms and Alkyl Halides"; ISSE AA; LIN CY; COOTE ML; A. GENNARO; JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL; 115; 678-684; 2011.
- 187 "Electrochemically Mediated Atom Transfer Radical Polymerization"; MAGENAU AJD; STRANDWITZ NC; A. GENNARO; MATYJASZEWSKI K; SCIENCE; 332; 81-84; 2011.
- 188 "Synthesis, characterization and cytotoxicity of polyoxometalate/carboxymethylchitosan nanocomposites"; G. PATZKE; G. GEISBERGER; S. PAULUS; M. CARRARO; M. BONCHIO; CHEMISTRY-A EUROPEAN JOURNAL; 17; 4619-4625; 2011.
- 189 "Optically Active Tripodal Dendritic Polyoxometalates: Synthesis, Characterization and Their Use in Asymmetric Sulfide Oxidation with Hydrogen Peroxide"; JAHIER C; COUSTOU MF; CANTUEL M; MCCLENAGHAN ND; BUFFETEAU T; CAVAGNAT D; M. CARRARO; NLATE S; EUROPEAN JOURNAL OF INORGANIC CHEMISTRY; ; 727-738; 2011.
- 190 "Cooperativity in benzotriazole-amine complexes: allosteric tuning of molecular recognition interfaces"; C. ZONTA; DE LUCCHI O; MOTTERLE R; SERAFINI S; JOURNAL OF PHYSICAL ORGANIC CHEMISTRY; 24; 122-128; 2011.
- 191 "Stabilisation of monometallic nanoparticles by polyamide 6"; CONCINA I; M. ZECCA; JOURNAL OF NANOPARTICLE RESEARCH; 13; 1289-1300; 2011.

- 192 "Ball-Milling Modification of Single-Walled Carbon Nanotubes: Purification, Cutting, and Functionalization"; RUBIO N; FABBRO C; HERRERO MA; DE LA HOZ A; M. MENEGHETTI; FIERRO JLG; PRATO M; VAZQUEZ E; SMALL; 7; 665-674; 2011.
- "Oxidative biodegradation of single- and multi-walled carbon nanotubes"; RUSSIER J; 193 MENARD-MOYON C; VENTURELLI E; GRAVEL E; MARCOLONGO G; M. MENEGHETTI; DORIS E; BIANCO A; NANOSCALE; 3; 893-896; 2011.
- "W-band transient EPR and photoinduced absorption on spin-labeled fullerene derivatives"; 194 MOONS H; GOOVAERTS E; GUBSKAYA VP; NURETDINOV IA; CORVAJA C; L. FRANCO; PHYSICAL CHEMISTRY CHEMICAL PHYSICS; 13; 3942-3951; 2011.
- "Chirality transfer across length-scales in nematic liquid crystals: fundamentals and 195 applications"; PIERACCINI S; MASIERO S; A. FERRARINI; SPADA GP; CHEMICAL SOCIETY REVIEWS; 40; 258-271; 2011.
- "SERS labels for quantitative assays: application to the quantification of gold nanoparticles 196 uptaken by macrophage cells"; V. AMENDOLA; M. MENEGHETTI; S. FIAMENI; S. POLIZZI; G. FRACASSO; A. BOSCAINI; M. COLOMBATTI; ANALYTICAL METHODS; 3; 849-856; 2011.
- "Holstein-Peirls-Hubbard trimer as a model for quadrupolar two-photon absorbing dyes"; 197 PILOT R; R. BOZIO; PHYSICAL CHEMISTRY CHEMICAL PHYSICS; 13; 230-239; 2011.
- "Metal/oxide interfaces in inorganic nanosystems: what's going on and what's next?"; D. 198 BARRECA; A. GASPAROTTO; E. TONDELLO; JOURNAL OF MATERIALS CHEMISTRY; 21; 1648-1654; 2011.
- "Relativistic DFT calculations of the NMR properties and reactivity of transition metal 199 methane sigma-complexes: insights on C-H bond activation"; A. BAGNO; SAIELLI G; PHYSICAL CHEMISTRY CHEMICAL PHYSICS; 13; 4285-4291; 2011.
- "Assessment of the morphology of mixed SAMs on Au nanoparticles using a fluorescent 200 probe"; BONOMI R; CAZZOLARO A; L. PRINS; CHEMICAL COMMUNICATIONS; 47; 445-447; 2011.
- "Malonate complexes of dysprosium: synthesis, characterization and application for LI- 201 MOCVD of dysprosium containing thin films"; A.P. MILANOV; R.W. SEIDEL; D. BARRECA; A. GASPAROTTO; M. WINTER; J. FEYDT; S. IRSEN; H.-W. BECKER; A. DEVI; DALTON TRANSACTIONS; 40; 62-78; 2011.