

Articoli 2012

- 1 "Sequence, Structure, and Dynamic Determinants of Hsp27 (HspB1) Equilibrium
Dissociation Are Encoded by the N-Terminal Domain"; Ezelle T. McDonald, Marco
Bortolus, Hanane A. Koteiche, Hassane S. Mchaourab; *BIOCHEMISTRY*; 51; 1257-
1268; 2012.
- 2 "Structure-Photoluminescence Quenching Relationships of Iridium(III)-
Tris(phenylpyridine) Complexes"; Albert Ruggi, Matteo Mauro, Federico
Polo, David N. Reinhoudt, Luisa De Cola, Aldrik H. Velders; *EUROPEAN
JOURNAL OF INORGANIC CHEMISTRY*; 2012; 1025-1037; 2012.
- 3 "Efficient Greenish Blue Electrochemiluminescence from Fluorene and
Spirobifluorene Derivatives"; Federico Polo, Fabio Rizzo, Manoel Veiga-
Gutierrez, Luisa De Cola, Silvio Quici; *JOURNAL OF THE AMERICAN
CHEMICAL SOCIETY*; 134; 15402-15409; 2012.
- 4 "Deep-Blue-Emitting Heteroleptic Iridium(III) Complexes Suited for Highly
Efficient Phosphorescent OLEDs"; Cheng-Han Yang, Matteo Mauro, Federico
Polo, Soichi Watanabe, Ingo Muenster, Roland Fröhlich, Luisa De Cola;
CHEMISTRY OF MATERIALS; 24; 3684-3695; 2012.
- 5 "Raman study of the interactions polybenzimidazole – phosphoric acid in membranes
for fuel cells"; F. Conti, A. Majerus, V. Di Noto, C. Korte, W. Lehnert, D. Stolten;
PHYSICAL CHEMISTRY CHEMICAL PHYSICS; 14; 10022-10026; 2012.
- 6 "Thermogravimetric and Spectroscopic Investigation of the Interaction between
Polybenzimidazole and Phosphoric Acid "; A. Majerus, F. Conti, C. Korte, W.
Lehnert, D. Stolten; *ECS TRANSACTIONS*; 50(2); 1155-1165; 2012.
- 7 "Time-resolved ESR investigation on energy transfer processes in Nafion
photochemistry"; F. Conti, E. Negro, V. Di Noto, G. Elger, T. Berthold, S. Weber;
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY; 37; 6317-6325; 2012.
- 8 "Isovaline in naturally occurring peptides: A nondestructive methodology for
configurational assignment"; M. De Zotti, B. Biondi, M. Crisma, C. U.
Hjorringgaard, A. Berg, H. Brueckner, C. Toniolo; *BIOPOLYMERS*; 98; 36-49;
2012.
- 9 "Total Synthesis of Septocylindrin B and C-Terminus Modified Analogues"; J.
Nelissen, K. Nuyts, M. De Zotti, R. Lavigne, C. Lamberigts, W. M. De Borggraeve;
PLOS ONE; 7; e51708-; 2012.
- 10 "Fitodepurazione per il trattamento degli effluenti animali."; Borin M., Gumiero B.,
Boz B., Politeo M.; *TERRA E VITA*; 4 suppl.; 25-29; 2012.
- 11 "Sol-gel processes at the droplet interface: hydrous zirconia and hafnia nanocapsules
by interfacial inorganic polycondensation"; Myriam Hajir, Paolo Dolcet, Viktor
Fischer, Julian Holzinger, Katharina Landfester, Rafael Muñoz-Espí; *JOURNAL
OF MATERIALS CHEMISTRY*; 22; 5622-; 2012.
- 12 "Mixed Manganese and Zinc oxides by co-precipitation"; F. Khairallah, A. Glisenti,
A. Galenda, M. M. Natile; *SURFACE SCIENCE SPECTRA*; ; -; 2012.
- 13 "Plasma Functionalization of Multiwalled Carbon Nanotubes and Their Use in the
Preparation of Nylon 6-Based Nanohybrids"; R. Scaffaro, A. Maio, S. Agnello, A.
Glisenti; *PLASMA PROCESSES AND POLYMERS*; 9; 503-512; 2012.
- 14 "A slow relaxing species for molecular spin devices: EPR characterization of static
and dynamic magnetic properties of a nitronyl nitroxide radical"; Alberto Collauto,
Matteo Mannini, Lorenzo Sorace, Antonio Barbon, Marina Brustolon, Dante
Gatteschi; *JOURNAL OF MATERIALS CHEMISTRY*; 22; 22272-22281; 2012.
- 15 "2-Amino-1,2,3,6-tetrahydro-6-oxocyclopenta[c]fluorene-2-carboxylic Acid (FIAib),
a Completely Rigidified, Fluorene-9-one-Based α -Amino Acid"; Karen
Wright, Antonio Blanco Alvarez, Marco Crisma, Antonio Toffoletti, Fernando
Formaggio, Claudio Toniolo; *HELVETICA CHIMICA ACTA*; 95; 2446-2459; 2012.

- "The Lipid Dependence of Antimicrobial Peptide Activity Is an Unreliable Experimental Test for Different Pore Models"; Sara Bobone, Daniela Roversi, Lorenzo Giordano, Marta De Zotti, Fernando Formaggio, Claudio Toniolo, Yoonkyung Park, Lorenzo Stella; *BIOCHEMISTRY*; 51; 10124-10126; 2012.
- 16 "Efficient functionalization of carbon nanotubes: an opportunity enabled by flow chemistry"; P. Salice, D. Fenaroli, C. C. De Filippo, E. Menna, G. Gasparini, M. Maggini; *CHIMICA OGGI-CHEMISTRY TODAY*; 30; 37-39; 2012.
- 17 "Antimicrobial lipopeptaibol trichogin GA IV: role of the three Aib residues on conformation and bioactivity"; Marta Zotti, Barbara Biondi, Yoonkyung Park, Kyung-Soo Hahm, Marco Crisma, Claudio Toniolo, Fernando Formaggio; *AMINO ACIDS*; 43; 1761-1777; 2012.
- 18 "A Study on Sc₂O₃-Stabilized Zirconia Obtained by MOCVD as a Potential Electrolyte for Solid Oxide Fuel Cells"; Naida El Habra, Andrea Sartori, Marco Bolzan, Monica Favaro, Maurizio Casarin, Stefano Boldrini, Lioudmila Doubova, Gilberto Rossetto; *CHEMICAL VAPOR DEPOSITION*; 18; 289-294; 2012.
- 19 "Multi Project: Multi-Valued and Parallel Molecular Logic"; E. Collini, R.D. Levine, F. Remacle, S. Rogge, I. Willner; *INTERNATIONAL JOURNAL OF UNCONVENTIONAL COMPUTING*; 8; 307-312; 2012.
- 20 "Stochastic Modeling of Flexible Biomolecules Applied to NMR Relaxation. 2. Interpretation of Complex Dynamics in Linear Oligosaccharides"; Dmytro Kotsyubynskyy, Mirco Zerbetto, Maria Soltesova, Olof Engström, Robert Pendrill, Jozef Kowalewski, Göran Widmalm, Antonino Polimeno; *JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL*; 116; 14541-14555; 2012.
- 21 "Stochastic Modeling of Flexible Biomolecules Applied to NMR Relaxation. I. Internal Dynamics of Cyclodextrins: γ -Cyclodextrin as a Case Study"; Mirco Zerbetto, Dmytro Kotsyubynskyy, Jozef Kowalewski, Göran Widmalm, Antonino Polimeno; *JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL*; 116; 13159-13171; 2012.
- 22 "Straightforward synthesis of gold nanoparticles supported on commercial silica-polyethyleneimine beads."; S. Fazzini, D. Nanni, B. Ballarin, M. C. Cassani, M. Giorgetti, C. Maccato, A. Trapananti, G. Aquilanti, S. I. Ahmede; *JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES*; 116; 25434-25443; 2012.
- 23 "Light-Controlled Resistance Modulation in a Photochromic Diarylethene–Carbon Nanotube Blend"; Calogero Sciascia, Rossella Castagna, Maria Dekermenjian, Richard Martel, Ajay R. Srimath Kandada, Fabio Di Fonzo, Andrea Bianco, Chiara Bertarelli, Moreno Meneghetti, Guglielmo Lanzani; *JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES*; 116; 19483-19489; 2012.
- 24 "In vivodegradation of functionalized carbon nanotubes after stereotactic administration in the brain cortex"; Antonio Nunes, Cyrill Bussy, Lisa Gherardini, Moreno Meneghetti, Maria Antonia Herrero, Alberto Bianco, Maurizio Prato, Tommaso Pizzorusso, Khuloud T Al-Jamal, Kostas Kostarelos; *NANOMEDICINE*; 7; 1485-1494; 2012.
- 25

- "Improvement in the efficiency of an OrganoMetallic Fuel Cell by tuning the molecular architecture of the anode electrocatalyst and the nature of the carbon support"; M. Bevilacqua, C. Bianchini, A. Marchionni, J. Filippi, A. Lavacchi, H. Miller, W. Oberhauser, F. Vizza, G. Granozzi, L. Artiglia, S. P. Annen, F. Krumeich, H. Grützmacher; ENERGY & ENVIRONMENTAL SCIENCE; 5; 8608-; 2012.
- "Direct synthesis of H₂O₂ on model Pd surfaces"; Umberto Rossi, Sergio Zancanella, Luca Artiglia, Gaetano Granozzi, Paolo Canu; CHEMICAL ENGINEERING JOURNAL; 207-208; 845-850; 2012.
- "Photoexcitation free energies of solvated molecules from raw absorption spectra: Can a Jarzynski-like equality be employed?"; Diego Frezzato; CHEMICAL PHYSICS LETTERS; 533; 106-113; 2012.
- "Probing membrane permeabilization by the antibiotic lipopeptide trichogin GA IV in a tethered bilayer lipid membrane"; L. Becucci, F. Maran, R. Guidelli; BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES; 1818; 1656-1662; 2012.
- "A procedure for estimating the surface dipole potential of monolayers adsorbed on electrodes"; L. Becucci, I. Guryanov, F. Maran, F. Scaletti, R. Guidelli; SOFT MATTER; 8; 8601-8607; 2012.
- "Application of LC-MS and LC-MS-MS to the analysis of photo-decomposed crystal violet in the investigation of cultural heritage materials aging"; Gabriella Favaro, Daria Confortin, Paolo Pastore, Marinarosa Brustolon; JOURNAL OF MASS SPECTROMETRY; 47; 1660-1670; 2012.
- "Vapor-Phase Fabrication of β -Iron Oxide Nanopyramids for Lithium-Ion Battery Anodes"; Giorgio Carraro, Davide Barreca, Manuel Cruz-Yusta, Alberto Gasparotto, Chiara Maccato, Julián Morales, Cinzia Sada, Luis Sánchez; CHEMPHYSICHEM; 13; 3798-3801; 2012.
- "ENDOR Evidence of Electron-H₂ Interaction in a Fulleride Embedding H-2"; Alfonso Zoleo, Ronald G. Lawler, Xuegong Lei, Yongjun Li, Yasujiro Murata, Koichi Komatsu, Marilena Di Valentin, Marco Ruzzi, Nicholas J. Turro; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY; 134; 12881-12884; 2012.
- "Salophen and salen oxo vanadium complexes as catalysts of sulfides oxidation with H₂O₂: Mechanistic insights"; A. Coletti, P. Galloni, A. Sartorel, V. Conte, B. Floris; CATALYSIS TODAY; 192; 44-55; 2012.
- "Comparison of the rates of phenol advanced oxidation in deionized and tap water within a dielectric barrier discharge reactor"; Ester Marotta, Elisa Ceriani, Milko Schiorlin, Claudio Ceretta, Cristina Paradisi; WATER RESEARCH; 46; 6239-6246; 2012.
- "Chemotherapeutic induction of mitochondrial oxidative stress activates GSK-3 α/β and Bax leading to permeability transition pore opening and tumor cell death"; F Chiara, A Gambalunga, M Sciacovelli, A Nicolli, L Ronconi, D Fregona, P. Bernardi, A Rasola, A Trevisan; CELL DEATH & DISEASE; 3; -; 2012.
- "Conjugated Polymers in Cages: Templating Poly(3-hexylthiophene) Nanocrystals by Inert Gel Matrices"; Edmondo M. Benetti, Valerio Causin, Michele Maggini; ADVANCED MATERIALS; 24; 5636-5641; 2012.
- "Study of morphology, mechanical properties, and thermal behavior of green aliphatic-aromatic copolyester/bamboo flour composites"; Rameshwar Adhikari, Netra Lal Bhandari, Valerio Causin, Hai H. Le, Hans-Joachim Radosch, Goerg H. Michler, Jean Marc Saiter; POLYMER ENGINEERING AND SCIENCE; 52; 2296-2303; 2012.

- 39 "High two-photon absorption efficiency promoted by intermolecular interactions"; E. Collini; SPIE NEWSROOM; ; -; 2012.
- 40 "Catalytic self-assembled monolayers on gold nanoparticles"; G. Pieters, L.J. Prins; NEW JOURNAL OF CHEMISTRY; 36; 1931-1939; 2012.
- "Water Oxidation Catalysis by Molecular Metal-Oxides"; Andrea Sartorel, Mauro Carraro, Gianfranco Scorrano, Marcella Bonchio; ENERGY PROCEDIA; 22; 78-87; 2012.
- "Structural and magnetic properties of mesoporous SiO₂ nanoparticles impregnated with iron oxide or cobalt-iron oxide nanocrystals"; Alvise Parma, Isidora Freris, Pietro Riello, Davide Cristofori, César de Julián Fernández, Vincenzo Amendola, Moreno Meneghetti, Alvise Benedetti ; JOURNAL OF MATERIALS CHEMISTRY; 22; 19276-19288; 2012.
- "Time resolved EPR of [70]fullerene monoadducts in the photoexcited triplet state"; Lorenzo Franco, Antonio Toffoletti, Michele Maggini; PHYSICAL CHEMISTRY CHEMICAL PHYSICS; 14; 14358-14364; 2012.
- 44 "Understanding the distinctive elastic constants in an oxadiazole bent-core nematic liquid crystal"; S. Kaur, J. Addis, C. Greco, A. Ferrarini, V. Görtz, J. W. Goodby, H. F. Gleeson; PHYSICAL REVIEW E, STATISTICAL, NONLINEAR, AND SOFT MATTER PHYSICS; 86; 041703-1 -041703-11; 2012.
- 45 "Interplay between the Structure and Relaxations in Selemion AMV Hydroxide Conducting Membranes for AEMFC Applications"; Giffin G.A., Lavina S., Pace G., Di Noto V.; JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES; 116; 23965-23973; 2012.
- "Interplay between Mechanical, Electrical, and Thermal Relaxations in Nanocomposite Proton Conducting Membranes Based on Nafion and a [(ZrO₂)·(Ta₂O₅)_{0.119}] core-shell nanofiller"; Di Noto V, Piga M, Giffin G, Vezzù K, Zawodzinsk T.A.; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY; 46; 19099-19107; 2012.
- 47 "Stable N-Phosphorylated 1,2,4-Triazol-5-ylidenes: Novel Ligands for Metal Complexes"; Anatoliy P. Marchenko, Heorgiy N. Koidan, Evgeniy V. Zarudnitskii, Anastasiya N. Hurieva, Andrey A. Kirilchuk, Aleksandr A. Yurchenko, Andrea Biffis, Aleksandr N. Kostyuk; ORGANOMETALLICS; 31; 8257-8264; 2012.
- 48 "Zeaxanthin protects plant photosynthesis by modulating chlorophyll triplet yield in specific light-harvesting antenna subunits"; L. Dall'Osto, N. E. Holt, S. Kaligotla, M. Fuciman, S. Cazzaniga, D. Carbonera, H. A. Frank, J. Alric, R. Bassi; THE JOURNAL OF BIOLOGICAL CHEMISTRY; 28; 41820-41834 ; 2012.
- 49 "Advances in self healing optical materials"; V. Amendola; M. Meneghetti; JOURNAL OF MATERIALS CHEMISTRY; 22; 24501-24508; 2012.
- 50 "Ag and Pt particles sputtered on beta-Fe₂O₃: an XPS investigation"; G. Carraro, D. Barreca, A. Gasparotto, C. Maccato; SURFACE SCIENCE SPECTRA; 19; 1-12; 2012.
- 51 "Controlled synthesis and properties of beta-Fe₂O₃ nanosystems functionalized with Ag or Pt nanoparticles"; G. Carraro, D. Barreca, E. Comini, A. Gasparotto, C. Maccato, C. Sada, G. Sberveglieri; CRYSTENGCOMM; 14; 6469-6476; 2012.
- 52 "Epitaxial-like growth of Co₃O₄/ZnO quasi-1D nanocomposites"; D. Bekermann, A. Gasparotto, D. Barreca, C. Maccato, M. Rossi, R. Matassa, I. Cianchetta, S. Orlanducci, M. Kete, U. Lavrenčič Štangar ; CRYSTAL GROWTH & DESIGN; 12; 5118-5124; 2012.

- 53 "Zinc and copper oxides functionalized with metal nanoparticles: an insight into their nano-organization"; C. Maccato, Q. Simon, G. Carraro, D. Barreca, A. Gasparotto, O. I. Lebedev, S. Turner, G. Van Tendeloo. ; JOURNAL OF ADVANCED MICROSCOPY RESEARCH; 7; 84-90; 2012.
- 54 "Chlorophyll triplet quenching by fucoxanthin in the fucoxanthin–chlorophyll protein from the diatom *Cyclotella meneghiniana*"; Marilena Di Valentin, Claudia Büchel, Giorgio Mario Giacometti, Donatella Carbonera; BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS; 427; 637-641; 2012.
- 55 "Tailoring the wetting properties of thiolene microfluidic materials"; Simone Silvestrini, Davide Ferraro, Tamara Tóth, Matteo Pierno, Tommaso Carofiglio, Giampaolo Mistura, Michele Maggini; LAB ON A CHIP; 12; 4041-4043; 2012.
- 56 "Reversible Control over the Valency of a Nanoparticle-Based Supramolecular System"; G. Pieters, C. Pezzato, L.J.Prins; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY; 134; 15289-15292; 2012.
- 57 "Tuning the catalytic activity of Ag(110)-supported iron phthalocyanine in the oxygen reduction reaction"; F. Sedona, M. Di Marino, D. Forrer, A. Vittadini, M. Casarin, A. Cossaro, L. Floreano, A. Verdini and M. Sambì; NATURE MATERIALS; 11; 970-977; 2012.
- 58 "Reactivity Control in Iron(III) Amino Triphenolate Complexes: Comparison of Monomeric and Dimeric Complexes"; Christopher J. Whiteoak, Blerina Gjoka, Eddy Martin, Marta Martínez Belmonte, Eduardo C. Escudero-Adán, Cristiano Zonta, Giulia Licini, Arjan. W. Kleij; INORGANIC CHEMISTRY; 51; 10639-10649; 2012.
- 59 "Elucidation of constant current density molecular plating"; A. Vascon, S.Santi, A.A.Isse, T.Reich, J.Drebert, H.Christ, Ch.E.Dullmann, K. Eberhardt; NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH. SECTION A, ACCELERATORS, SPECTROMETERS, DETECTORS AND ASSOCIATED EQUIPMENT; 696; 180-191; 2012.
- 60 "Electrocatalytic dechlorination of volatile organic compounds at copper cathode. Part II: Polychloroethanes"; Christian Durante, Binbin Huang, Abdirisak Ahmed Isse, Armando Gennaro; APPLIED CATALYSIS. B, ENVIRONMENTAL; 126; 355-362; 2012.
- 61 "Electrocatalytic dechlorination of volatile organic compounds at a copper cathode. Part I: Polychloromethanes"; Abdirisak Ahmed Isse, Binbin Huang, Christian Durante, Armando Gennaro; APPLIED CATALYSIS. B, ENVIRONMENTAL; 126; 347-354; 2012.
- 62 "The [4Fe-4S]-cluster coordination of [FeFe]-hydrogenase maturation protein HydF as revealed by EPR and HYSCORE spectroscopies."; Berto P, Di Valentin M, Cendron L, Vallese F, Albertini M, Salvadori E, Giacometti GM, Carbonera D, Costantini P.; BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS; 1817; 2149-2157; 2012.
- 63 "Synthesis–structure–morphology interplay of bimetallic“core–shell” carbon nitride nano-electrocatalysts"; V. Di Noto; E. Negro; S. Polizzi; F. Agresti; G. A. Giffin; CHEMSUSCHEM; 5; 2451-2459; 2012.
- 64 "Mass spectrometric study of speciation in aluminium-fluoroquinolone solutions."; M. Cvijovic, V. Di Marco, P. Traldi, M. J. Stankov, P. Djurdjevic; EUROPEAN JOURNAL OF MASS SPECTROMETRY; 18; 313-322; 2012.
- 65 "Plasmonic Nanostructures for SERRS Multiplexed Identification of Tumor-Associated Antigens"; Moreno Meneghetti, Alessia Scarsi, Lucio Litti, Gabriele Marcolongo, Vincenzo Amendola, Marina Gobbo, Marzia Di Chio, Anita Boscaini, Giulio Fracasso, Marco Colombatti; SMALL; 8; 3733-3738; 2012.

- 66 "Comparison of three techniques for analysis of data from an Aerosol Time-of-Flight Mass Spectrometer"; Chiara Giorio, Andrea Tapparo, Manuel Dall'Osto, Roy M. Harrison, David C.S. Beddows, Chiara Di Marco, Eiko Nemitz; *ATMOSPHERIC ENVIRONMENT*; 61; 316-326; 2012.
- 67 "Inhibition of Protein Kinase CK2 by Flavonoids and Tyrphostins. A Structural Insight."; Lolli G, Cozza G, Mazzorana M, Tibaldi E, Cesaro L, Donella-Deana A, Meggio F, Venerando A, Franchin C, Sarno S, Battistutta R, Pinna LA; *BIOCHEMISTRY*; ; -; 2012.
- 68 "Is $[\text{Co}_4(\text{H}_2\text{O})_2(\alpha\text{-PW9O34})_2]^{10-}$ a genuine molecular catalyst in photochemical water oxidation? Answers from time-resolved hole scavenging experiments"; Mirco Natali, Serena Berardi, Andrea Sartorel, Marcella Bonchio, Sebastiano Campagna, Franco Scandola; *CHEMICAL COMMUNICATIONS*; 48; 8808-8810; 2012.
- 69 "Photoinduced Water Oxidation by a Tetraruthenium Polyoxometalate Catalyst: Ion-pairing and Primary Processes with $\text{Ru}(\text{bpy})_3^{2+}$ Photosensitizer"; Mirco Natali, Michele Orlandi, Serena Berardi, Sebastiano Campagna, Marcella Bonchio, Andrea Sartorel, Franco Scandola; *INORGANIC CHEMISTRY*; 51; 7324-7331; 2012.
- 70 "Photocatalytic Water Oxidation: Tuning Light-Induced Electron Transfer by Molecular Co_4O_4 Cores"; Serena Berardi, Giuseppina La Ganga, Mirco Natali, Irene Bazzan, Fausto Puntoriero, Andrea Sartorel, Franco Scandola, Sebastiano Campagna, Marcella Bonchio; *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*; 134; 11104-11107; 2012.
- 71 "Oxadiazolyl-pyridines and perfluoroalkyl-carboxylic acids as building blocks for protic ionic liquids: crossing the thin line between ionic and hydrogen bonded materials"; I. Pibiri, A. Pace, S. Buscemi, V. Causin, F. Rastrelli, G. Saielli; *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*; 14; 14306-14314; 2012.
- 72 "Chemical equilibria in the uranyl(vi)-peroxide-carbonate system; identification of precursors for the formation of poly-peroxometallates"; Pier Luigi Zanonato, Plinio Di Bernardo, Zoltán Szabó, Ingmar Grenthe; *DALTON TRANSACTIONS*; 41; 11635-11641; 2012.
- 73 "Energetics and Structure of Uranium(VI)-Acetate Complexes in Dimethyl Sulfoxide"; Plinio Di Bernardo, Pier Luigi Zanonato, Franco Benetollo, Andrea Melchior, Marilena Tolazzi, Linfeng Rao; *INORGANIC CHEMISTRY*; 51; 9045-9055; 2012.
- 74 "Partial thioamide scan on the lipopeptaibiotic trichogin GA IV. Effects on folding and bioactivity"; Marta De Zotti, Barbara Biondi, Cristina Peggion, Matteo De Poli, Haleh Fathi, Simona Oancea, Claudio Toniolo, Fernando Formaggio; *BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY*; 8; 1161-1171; 2012.
- 75 "The toxicity outcome of silica nanoparticles (Ludox®) is influenced by testing techniques and treatment modalities"; Caterina Fede, Francesco Selvestrel, Chiara Compagnin, Maddalena Mognato, Fabrizio Mancin, Elena Reddi, Lucia Celotti; *ANALYTICAL AND BIOANALYTICAL CHEMISTRY*; 404; 1789-1802; 2012.
- 76 "Growth and optical properties of silver nanostructures obtained on connected anodic aluminum oxide templates"; G. Giallongo, C. Durante, R. Pilot, D. Garoli, R. Bozio, F. Romanato, A. Gennaro, G.A. Rizzi, G. Granozzi; *NANOTECHNOLOGY*; 23; 325604-325614; 2012.
- 77 "First determination of the spin relaxation properties of a nitronyl nitroxide in solution by Electron Spin Echoes at X-band. A comparison with Tempone"; Alberto Collauto, Antonio Barbon, Marina Brustolon; *JOURNAL OF MAGNETIC RESONANCE*; 223; 180-186; 2012.

- 78 "A Direct SAXS Approach for the Determination of Specific Surface Area of Clay in Polymer-Layered Silicate Nanocomposites."; C. Marega, V. Causin, R. Saini, A. Marigo, A. P. Meera, S. Thomas, K. S. Usha; THE JOURNAL OF PHYSICAL CHEMISTRY. B; 116; 7596-7602; 2012.
- 79 "The discrimination potential of diffuse-reflectance ultraviolet-visible-near infrared spectrophotometry for the forensic analysis of paper"; V. Causin, R. Casamassima, G. Marruncheddu, G. Lenzoni, G. Peluso, L. Ripani; FORENSIC SCIENCE INTERNATIONAL; 216; 163-167; 2012.
- 80 "Structural and optical properties of Vernier phase lutetium oxyfluorides doped with lanthanide ions: interesting candidates as scintillators and X-ray phosphors"; T. Passuello, F. Piccinelli, M. Trevisani, M. Giarola, G. Mariotto, L. Marciniak, D. Hreniak, M. Guzik, M. Fasoli, A. Vedda, V. Jary, M. Nikl, V. Causin, M. Bettinelli, A. Speghini; JOURNAL OF MATERIALS CHEMISTRY; 22; 10639-10649; 2012.
- 81 "Nanopatterning in CeO_x/Cu(111): A New Type of Surface Reconstruction and Enhancement of Catalytic Activity"; S. D. Senanayake, J. T. Sadowski, J. Evans, S. Kundu, S. Agnoli, F. Yang, D. Stacchiola, J. I. Flege, J. Hrbek, J. A. Rodriguez; THE JOURNAL OF PHYSICAL CHEMISTRY LETTERS; 3; 839-843; 2012.
- 82 "Activation Energy Paths for Graphene Nucleation and Growth on Cu"; H. Kim, C. Mattevi, M. R. Calvo, J. C. Oberg, L. Artiglia, S. Agnoli, C. F. Hirjibehedin, M. Chhowalla, E. Saiz; ACS NANO; 6; 3614-3623; 2012.
- 83 "Playing with Peptides: How to Build a Supramolecular Peptide Nanostructure by Exploiting Helix···Helix Macrodipole Interactions"; E. Gatto, A. Porchetta, M. Scarselli, M. De Crescenzi, F. Formaggio, C. Toniolo, M. Venanzi; LANGMUIR; 28; 2817-2826; 2012.
- 84 "A Special Issue on Plasma Processing of Nanomaterials"; Alberto Gasparotto; NANOSCIENCE AND NANOTECHNOLOGY LETTERS; 4; 209-210; 2012.
- 85 "Ruthenium(II/III)-based Compounds with Encouraging Antiproliferative Activity against Non-Small Cell Lung Cancer"; Eszter Marta Nagy, Andrea Pettenuzzo, Giulia Boscutti, Luciano Marchiò, Lisa Dalla Via, Dolores Fregona; CHEMISTRY-A EUROPEAN JOURNAL; 18(45); 14464-14472; 2012.
- 86 "Tazzoliite: a new mineral with a pyrochlore-related structure from Euganei hills, Padova (Italy)."; Cámara F., Nestola F., Bindi L., Guastoni A., Zorzi F., Peruzzo L., Pedron D. ; MINERALOGICAL MAGAZINE; 76; 827-838; 2012.
- 87 "Synthesis of dinuclear N-heterocyclic dicarbene Au(III)/Au(III) and Au(II)/Au(II) complexes via oxidative addition of chlorine or bromine to Au(I)/Au(I) species"; M. Baron, C. Tubaro, M. Basato, A. Biffis, C. Graiff; JOURNAL OF ORGANOMETALLIC CHEMISTRY; 714; 41-46; 2012.
- 88 "Coordination polymers based on trinuclear and mononuclear copper-pyrazolate building moieties connected by fumarate or 2-methylfumarate ions"; Corrado Di Nicola, Enrico Forlin, Federica Garau, Arianna Lanza, Marta Maria Natile, Fabrizio Nestola, Luciano Pandolfo, Claudio Pettinari; JOURNAL OF ORGANOMETALLIC CHEMISTRY; 714; 74-80; 2012.
- 89 "Zinc(II) Complexes with Dithiocarbamate Derivatives: Structural Characterization and Biological Assays on Cancerous Cell Lines"; E. M. Nagy, S. Sitran, M. Montopoli, M. Favaro, L. Marchiò, L. Caparrotta, D. Fregona; JOURNAL OF INORGANIC BIOCHEMISTRY; 117; 131-139; 2012.
- 90 "SRLS Analysis of ¹⁵N Spin Relaxation from E. coli Ribonuclease HI: The Tensorial Perspective"; Eva Meirovitch, Yury E. Shapiro, Mirco Zerbetto, Antonino Polimeno; JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER, MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL; 116; 886-894; 2012.

- 91 "Excitonic properties of armchair graphene nanoribbons from exact diagonalization of the Hubbard model"; J. Alfonsi, M. Meneghetti; NEW JOURNAL OF PHYSICS; 14; 053047-; 2012.
- 92 "Fluorescence dynamics and fine structure of dark excitons in semiconducting single-wall carbon nanotubes"; J. Alfonsi, M. Meneghetti; JOURNAL OF PHYSICS. CONDENSED MATTER; 24; 255501-; 2012.
- 93 "Synthesis and conformational characterization of functional di-blockcopolymer brushes for microarray technology"; G. Di Carlo, F. Damin, L. Armelao, C. Maccato, S. Unlu, P. S. Spuhler, M. Chiari; APPLIED SURFACE SCIENCE; 258; 3750-3756; 2012.
- 94 "Hybrid polyoxotungstates as functional co-monomers in new cross-linked catalytic polymers for sustainable oxidations with hydrogen peroxide"; M. Carraro, G. Fiorani, L. Mognon, F. Caneva, M. Gardan, C. Maccato, M. Bonchio; CHEMISTRY-A EUROPEAN JOURNAL; 18; 13195-13202; 2012.
- 95 "Multi-component oxide nanosystems by Chemical Vapor Deposition and related routes: challenges and perspectives"; D. Bekermann, D. Barreca, A. Gasparotto, C. Maccato; CRYSTENGCOMM; 14; 6347-6358; 2012.
- 96 "Vertically oriented CuO/ZnO nanorod arrays: from plasma-assisted synthesis to photocatalytic H₂ production"; Q. Simon, D. Barreca, A. Gasparotto, C. Maccato, T. Montini, V. Gombac, P. Fornasiero, O. I. Lebedev, S. Turner, G. Van Tendeloo; JOURNAL OF MATERIALS CHEMISTRY; 22; 11739-11747; 2012.
- 97 "A Cell-Penetrating Ratiometric Nanoprobe for Intracellular Chloride"; Luca Baù, Francesco Selvestrel, Maria Arduini, Iliaria Zamparo, Claudia Lodovichi, Fabrizio Mancin; ORGANIC LETTERS; 14; 2984-2987; 2012.
- 98 "CuO/ZnO nanocomposite gas sensors developed by a plasma-assisted route"; Q. Simon, D. Barreca, A. Gasparotto, C. Maccato, E. Tondello, C. Sada, E. Comini, G. Sberveglieri, M. Banerjee, K. Xu, A. Devi, R.A. Fischer; CHEMPHYSICHEM; 13; 2342-2348; 2012.
- 99 "On the performances of Cu_xO-TiO₂ (x = 1, 2) nanomaterials as innovative anodes for thin film lithium batteries"; D. Barreca, G. Carraro, A. Gasparotto, C. Maccato, M. Cruz-Yusta, J.L. Gómez-Camer, J. Morales, C. Sada, L. Sánchez; ACS APPLIED MATERIALS & INTERFACES; 4; 3610-3619; 2012.
- 100 "Manufacturing of inorganic nanomaterials: concepts and perspectives"; A. Gasparotto, D. Barreca, C. Maccato, E. Tondello; NANOSCALE; 4; 2813-2825; 2012.
- 101 "Bismuth oxychloride nanoflakes: Interplay between composition-structure and optical properties"; Lidia Armelao, Gregorio Bottaro, Chiara Maccato, Eugenio Tondello; DALTON TRANSACTIONS; 41; 5480-5485; 2012.
- 102 "Dopamine-derived Quinones Affect the Structure of the Redox Sensor DJ-1 through Modifications at Cys-106 and Cys-53"; S. Giroto, M. Sturlese, M. Bellanda, I. Tessari, R. Cappellini, M. Bisaglia, L. Bubacco, S. Mammi; JOURNAL OF BIOLOGICAL CHEMISTRY; 287; 18738-18749; 2012.
- 103 "Scalable in Situ Diazomethane Generation in Continuous-Flow Reactors"; E. Rossi, P. Woehl, M. Maggini; ORGANIC PROCESS RESEARCH & DEVELOPMENT; 16; 1146-1149; 2012.
- 104 "Inductive and Mesomeric Effects of the [60]Fulleropyrrolidine Fragment and [60]Fullerene Sphere: A Quantitative Evaluation Based on Theory and Experiments"; A. Ciogli, A. Fontana, F. Gasparini, M. Maggini, M. Giovannoli, M. Pierini, F. Busolo, G. Siani, C. Villani; EUROPEAN JOURNAL OF ORGANIC CHEMISTRY; 193-202; 2012.

- 105 "Peptide-based rotaxanes and catenanes: an emerging class of supramolecular chemistry systems"; Alessandro Moretto, Marco Crisma, Fernando Formaggio, Claudio Toniolo; BIOMOLECULAR CONCEPTS; 3; 183-192; 2012.
- 106 "Highly Luminescent and Temperature Stable Quantum Dot Thin Films Based on a ZnS Composite"; Francesco Todescato, Anthony S. R. Chesman, Alessandro Martucci, Raffaella Signorini, Jacek J. Jasieniak; CHEMISTRY OF MATERIALS; 24; 2117-2126; 2012.
- 107 "The electronic structure of the lutein triplet state in plant light-harvesting complex II"; Marilena Di Valentin, Enrico Salvadori, Christopher Kay, Alfonso Pedone, Vincenzo Barone, Donatella Carbonera ; PHYSICAL CHEMISTRY CHEMICAL PHYSICS; 14; 12238 -12251; 2012.
- 108 "New nanocomposite hybrid inorganic-organic proton conducting membranes based on functionalized silica and PTFE"; Di Noto V, Piga M, Giffin G, Negro E, Furlan C, Vezzù K; CHEMSUSCHEM; 5; 1758-1766; 2012.
- 109 "Effect of vegetative filter strips on herbicide runoff under various types of rainfall"; S. Otto, A. Cardinali, E. Marotta, C. Paradisi, G. Zanin ; CHEMOSPHERE; 88; -; 2012.
- 110 "Multi-Metal Nano-Electrocatalysts Based on Carbon Nitride Supports for the ORR and FOR in PEM Fuel Cells"; Di Noto V, Negro E, Giffin GA; ECS TRANSACTIONS; 40; 3-10; 2012.
- 111 "Charge Transfer in Model Bioinspired Carotene-Porphyrin Dyads"; Laura Orian, Silvia Carlotto, Marilena Di Valentin, Antonino Polimeno; JOURNAL OF PHYSICAL CHEMISTRY. A, MOLECULES, SPECTROSCOPY, KINETICS, ENVIRONMENT, & GENERAL THEORY; 116; 3926-3933; 2012.
- 112 "Heuristic approaches to the optimization of acceptor systems in bulk heterojunction cells: a computational study"; Silvia Carlotto, Laura Orian, Antonino Polimeno; THEORETICAL CHEMISTRY ACCOUNTS; 131; 1191-1197; 2012.
- 113 "The flip-flop of steroids in phospholipid bilayers: effects of the chemical structure on transbilayer diffusion"; Giulia Parisio, Maria Maddalena Sperotto, Alberta Ferrarini; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY; 134; 12198-12208; 2012.
- 114 "A multivalent HIV-1 fusion inhibitor based on small helical foldamers"; C. Guarise, S. Shinde, K. Kibler, G. Ghirlanda, L. J. Prins, P. Scrimin; TETRAHEDRON; 68; 4346-4352; 2012.
- 115 "Self-Assembly of a Catalytic Multivalent Peptide-Nanoparticle Complex"; D. Zaramella, P. Scrimin, L. J. Prins; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY; 134; 8396-8399; 2012.
- 116 "Effect of Orientation of the Peptide-Bridge Dipole Moment on the Properties of Fullerene-Peptide-Radical Systems"; Luca Garbuio, Sabrina Antonello, Ivan Guryanov, Yongjun Li, Marco Ruzzi, Nicholas J. Turro, Flavio Maran; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY; 134; 10628-10637; 2012.
- 117 "Electron Transfer Catalysis with Monolayer Protected Au₂₅ Clusters"; Flavio Maran, Sabrina Antonello, Mahdi Hesari, Federico Polo; NANOSCALE; 4; 5333-5342; 2012.
- 118 "Structural Determinants of Protein Kinase CK2 Regulation by Autoinhibitory Polymerization"; Graziano Lolli, Lorenzo A. Pinna, Roberto Battistutta; ACS CHEMICAL BIOLOGY; 7; 1158-1163; 2012.
- 119 "Metal catalysis with nanostructured metals supported inside strongly acidic cross-linked polymer frameworks. Influence of reduction conditions of Au^{III}-containing resins on metal nanoclusters formation in macroreticular and gel-type materials"; L. Calore, G. Cavinato, P. Canton, L. Peruzzo, R. Banavali, K. Jerabek, B. Corain; INORGANICA CHIMICA ACTA; ; 114-120; 2012.

- "Polymer electrolytes for a hydrogen economy"; Di Noto V.; Zawodzinski T.A.;
120 Herring A.M.; Giffin Gwen; Negro E.; Lavina S.; INTERNATIONAL JOURNAL
OF HYDROGEN ENERGY; 37; 6120-6131; 2012.
- "Building Principles and Structural Motifs in TiO_x Ultrathin Films on a (111)
Substrate"; Giovanni Barcaro, Emanuele Cavaliere, Luca Artiglia, Luca
121 Sementa, Luca Gavioli, Gaetano Granozzi, Alessandro Fortunelli; JOURNAL OF
PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES; ;
120611141835001-; 2012.
- "Preparation and characterization of ionic liquid polymer microspheres
[PEEKWC/DMF/CYPHOS IL 101] using the phase-inversion technique"; D.
122 Shanthana Lakshmi, A. Figoli, G. Fiorani, M. Carraro, L. Giorno, E. Drioli;
SEPARATION AND PURIFICATION TECHNOLOGY; ; -; 2012.
- "Electrocatalytic properties of transition metals toward reductive dechlorination of
123 polychloroethanes"; Binbin Huang, Abdirisak Ahmed Isse, Christian Durante,
Chaohai Wei, Armando Gennaro; ELECTROCHIMICA ACTA; 70; 50-61; 2012.
- "Determination of thermodynamic parameters from light intensity signals obtained
124 from oxygen optical sensors"; D. Badocco, A. Mondin, P. Pastore; SENSORS AND
ACTUATORS. B, CHEMICAL; 163; 165-170; 2012.
- "ESEEM of industrial quartz powders: insights into crystal chemistry of Al defects";
Maurizio Romanelli, Francesco Di Benedetto, Laura Bartali, Massimo
125 Innocenti, Gabriele Fornaciai, Giordano Montegrossi, Luca A. Pardi, Alfonso
Zoleo, Fabio Capacci; PHYSICS AND CHEMISTRY OF MINERALS; 39; 479-490;
2012.
- "Progress in artificial metallonucleases"; Fabrizio Mancin, Paolo Scrimin, Paolo
126 Tecilla; CHEMICAL COMMUNICATIONS; 48; 5545-5559; 2012.
- "Water Adsorption on Different TiO₂ Polymorphs Grown as Ultrathin Films on
127 Pt(111)"; L. Artiglia, A. Zana, G. A. Rizzi, S. Agnoli, F. Bondino, E. Magnano, E.
Cavaliere, L. Gavioli, and G. Granozzi; JOURNAL OF PHYSICAL CHEMISTRY.
C, NANOMATERIALS AND INTERFACES; 116; 12532-12540; 2012.
- "A Molecular View on the Role of Cholesterol upon Membrane Insertion,
Aggregation, and Water Accessibility of the Antibiotic Lipopeptide Trichogin GA IV
As Revealed by EPR"; Victoria N. Syryamina, Marta De Zotti, Cristina
128 Peggion, Fernando Formaggio, Claudio Toniolo, Jan Raap, Sergei A. Dzuba;
JOURNAL OF PHYSICAL CHEMISTRY. B, CONDENSED MATTER,
MATERIALS, SURFACES, INTERFACES & BIOPHYSICAL; 116; 5653-5660;
2012.
- "A solvent-dependent peptide spring unraveled by 2D-NMR"; Cristina
129 Peggion, Marco Crisma, Claudio Toniolo, Fernando Formaggio; TETRAHEDRON;
68; 4429-4433; 2012.
- "NPQ activation reduces chlorophyll triplet state formation in the moss
130 Physcomitrella patens"; D. Carbonera, C. Gerotto, B. Posocco,
G. M. Giacometti, T. Morosinotto ; BIOCHIMICA ET BIOPHYSICA ACTA-
BIOENERGETICS; 1817; 1608-1615; 2012.
- "Photophysics and Dynamics of Surface Plasmon Polaritons-Mediated Energy
131 Transfer in the Presence of an Applied Electric Field"; E. Collini, F. Todescato, C.
Ferrante, R. Bozio, G. D. Scholes; JOURNAL OF THE AMERICAN CHEMICAL
SOCIETY; 134; 10061-10070; 2012.
- "Cooperative effects to enhance two-photon absorption efficiency: intra- versus inter-
132 molecular approach"; E. COLLINI; PHYSICAL CHEMISTRY CHEMICAL
PHYSICS; 14; 3725-3736; 2012.
- "Foreword"; Vito Di Noto; INTERNATIONAL JOURNAL OF HYDROGEN
133 ENERGY; 37; 6119-6119; 2012.

- 134 "Controlling chirality with helix inversion in cholesteric liquid crystals"; N. Katsonis, E. Lacaze, A. Ferrarini; JOURNAL OF MATERIALS CHEMISTRY; 22; 7088-7097; 2012.
- 135 "t-Butylsarcosinedithiocarbamate gold(III)-based anticancer agents: design, in vitro biological evaluation and interaction with model biomolecules"; Giulia Boscutti, Lisa Feltrin, Debora Lorenzon, Sergio Sitran, Donatella Aldinucci, Luca Ronconi, Dolores Fregona; INORGANICA CHIMICA ACTA; 393; 304-317; 2012.
- 136 "Structure-Property Relationships in Heterophasic Thermoplastic Elastomers Filled with Montmorillonite"; V. Causin, C. Marega, R. Saini, R. Neppalli, G. Ferrara, R. Adhikari, A. Marigo ; JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY; 12; 1859-1870; 2012.
- 137 "Zirconocene Alkoxides, Promising Precursors for MOCVD of Zirconium Dioxide Thin Films"; Sartori, Andrea; El Habra, Naida; De Zorzi, Chiara; Sitran, Sergio; Casarin, Maurizio; Cavinato, Gianni; Sada, Cinzia; Gerbasi, Rosalba; Rossetto, Gilberto ; CHEMICAL VAPOR DEPOSITION; ; 151-158; 2012.
- 138 "Lanthanide-Based NMR: A Tool To Investigate Component Distribution in Mixed-Monolayer-Protected Nanoparticles"; G. Guarino, F. Rastrelli, P. Scrimin, F. Mancin; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY; 134; 7200-7203; 2012.
- 139 "Chemical equilibria in the binary and ternary uranyl(vi)-hydroxide-peroxide systems"; Pier Luigi Zanonato, Plinio Di Bernardo, Ingmar Grenthe; DALTON TRANSACTIONS; 41; 3380-3386; 2012.
- 140 "New Coordination Polymers and Porous Supramolecular Metal Organic Network Based on the Trinuclear Triangular Secondary Building Unit [Cu₃(μ₃-OH)(μ₃-pz)₃]²⁺ and 4,4'-Bipyridine. 1°"; C. Di Nicola, F. Garau, M. Gazzano, M. F. C. Guedes da Silva, A. Lanza, M. Monari, F. Nestola, L. Pandolfo, C. Pettinari, A. J. L. Pombeiro; CRYSTAL GROWTH & DESIGN; 12; 2890-2901; 2012.
- 141 "Cytotoxicity of a mitochondriotropic quercetin derivative: Mechanisms"; Nicola Sassi, Lucia Biasutto, Andrea Mattarei, Massimo Carraro, Valentina Giorgio, Anna Citta, Paolo Bernardi, Spridione Garbisa, ILDIKO' SZABO', Cristina Paradisi, Mario Zoratti; BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS; 1817; 1095-1106; 2012.
- 142 "Dinuclear Cu(II) Complexes of Isomeric Bis-(3-acetylacetonate)benzene Ligands: Synthesis, Structure, and Magnetic Properties"; M. Rancan, A. Dolmella, R. Seraglia, S. Orlandi, S. Quici, L. Sorace, D. Gatteschi, L. Armelao; INORGANIC CHEMISTRY; 51; 5409-5416; 2012.
- 143 "A templating guest sorts out a molecular triangle from a dimer-trimer constitutional dynamic library"; M. Rancan, A. Dolmella, R. Seraglia, S. Orlandi, S. Quici, L. Armelao; CHEMICAL COMMUNICATIONS; 48; 3115-3117; 2012.
- 144 "[Zn₁₀(μ₄-S)(μ₃-S)₆(Py)₉(SO₄)₃] as a molecular model of ZnS surfaces: an experimental and theoretical study"; Avanzini F, Casarin M, Forrer D, Pandolfo L, Sambì M, Vittadini A; THEORETICAL CHEMISTRY ACCOUNTS; 131; -; 2012.
- 145 "(+)-syn-Benzotriborneol an enantiopure C₃-symmetric receptor for water"; Fabrizio Fabris, Ottorino De Lucchi, Ilaria Nardini, Marco Crisma, Andrea Mazzanti, Sax A. Mason, Marie-Hélène Lemée-Cailleau, Francesca A. Scaramuzza, Cristiano Zonta; ORGANIC & BIOMOLECULAR CHEMISTRY; 10; 2464-2469; 2012.
- 146 "Observation of scalar nuclear spin-spin coupling in van der Waals complexes"; M. P. Ledbetter, G. Saielli, A. Bagno, N. Tran, M. V. Romalis; PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA; ; -; 2012.
- 147 "Understanding the extraordinary deshielding of ¹²⁹Xe in a permetalated cryptophane by relativistic DFT"; A. Bagno, G. Saielli; CHEMISTRY-A EUROPEAN JOURNAL; 18; 7341-7345; 2012.

- 148 "Carbon nanohorns functionalized with polyamidoamine dendrimers as efficient biocarrier materials for gene therapy"; J. Guerra, M. A. Herrero, B. Carrion, F. C. Perez-Martinez, M. Lucio, N. Rubio, M. Meneghetti, M. Prato, V. Cena, E. Vazquez; CARBON; 50; 2832-2844; 2012.
- 149 "Electroanalysis of Trace Inorganic Arsenic with Gold Nanoelectrode Ensembles"; A. Mardegan, P. Scopece, F. Lamberti, M. Meneghetti, L. M. Moretto, P. Ugo; ELECTROANALYSIS; 24; 798-806; 2012.
- 150 "Rational design of gold(III)-dithiocarbamate peptidomimetics for the targeted anticancer chemotherapy"; Morelle Negom Kouodom; Giulia Boscutti; Marta Celegato; Marco Crisma; Sergio Sitran; Donatella Aldinucci; Fernando Formaggio; Luca Ronconi; Dolores Fregona; JOURNAL OF INORGANIC BIOCHEMISTRY; 117; 248-260; 2012.
- 151 "Group 3 and lanthanide triflate-complexes with [N,N,O]-donor ligands: synthesis, characterization and cytotoxic activity"; Marco Bortoluzzi, Gino Paolucci, Dolores Fregona, Lisa Dalla Via, Francesco Enrichi; JOURNAL OF COORDINATION CHEMISTRY; 65 (22); 3903-3916; 2012.
- 152 "Noble metal-dithiocarbamates: precious allies in the fight against cancer"; Eszter Márta Nagy, Luca Ronconi, Chiara Nardon, Dolores Fregona; MINI-REVIEWS IN MEDICINAL CHEMISTRY; 12; 1216-1229; 2012.
- 153 "Ultrasensitive nanostructured immunosensor for stem and carcinoma cell pluripotency gatekeeper protein NANOG"; B. V. Chikkaveeraiah, A. Soldà, D. Choudhary, F. Maran, J. F. Rusling; NANOMEDICINE; 7; 957-965; 2012.
- 154 "Highly Hydrophilic Copolymers of N,N-Dimethylacrylamide, Acrylamido-2-methylpropanesulfonic acid, and Ethylenedimethacrylate: Nanoscale Morphology in the Swollen State and Use as Exotemplates for Synthesis of Nanostructured Ferric Oxide"; Paolo Centomo, Karel Jeřábek, Davide Canova, Alfonso Zoleo, Anna Lisa Maniero, Alessandro Sassi, Patrizia Canton, Benedetto Corain, Marco Zecca; CHEMISTRY-A EUROPEAN JOURNAL; 18; 6632-6643; 2012.
- 155 "Toward the selective delivery of chemotherapeutics into tumor cells by targeting peptide transporters: tailored gold-based anticancer peptidomimetics"; M. NEGOM KOUODOM; L. RONCONI; M. CELEGATO; C. NARDON; L. MARCHIO'; Q.P. DOU; D. ALDINUCCI; F. FORMAGGIO; D. FREGONA; JOURNAL OF MEDICINAL CHEMISTRY; 55; 2212-2226; 2012.
- 156 "Characterisation of Solute Mobility in Hypercross-Linked Resins in Solvents of Different Polarity: Two Promising Supports for Catalysis"; Marco Bortolus, Paolo Centomo, Marco Zecca, Alessandro Sassi, Karel Jeřábek, Anna Lisa Maniero, Benedetto Corain; CHEMISTRY-A EUROPEAN JOURNAL; 18; 4706-4713; 2012.
- 157 "Novel peptide foldameric motifs: a step forward in our understanding of the fully-extended conformation/310-helix coexistence"; Fernando Formaggio, Marco Crisma, Gema Ballano, Cristina Peggion, Mariano Venanzi, Claudio Toniolo; ORGANIC & BIOMOLECULAR CHEMISTRY; 10; 2413-2419; 2012.
- 158 "Design, conformational studies and analysis of structure–function relationships of PTH (1–11) analogues: the essential role of Val in position 2"; A. Caporale, L. Gesiot, M. Sturlese, A. Wittelsberger, S. Mammi, E. Peggion; AMINO ACIDS; 43; 207-218; 2012.
- 159 "An NMR-based metabolomic approach to identify the botanical origin of honey"; Elisabetta Schievano, Matteo Stocchero, Elisa Morelato, Chiara Facchin, Stefano Mammi; METABOLOMICS; 8; 679-690; 2012.

- 160 "Co₃O₄/ZnO Nanocomposites: From Plasma Synthesis to Gas Sensing Applications"; D. Bekermann, A. Gasparotto, D. Barreca, C. Maccato, E. Comini, C. Sada, G. Sberveglieri, A. Devi, R. A. Fischer; ACS APPLIED MATERIALS & INTERFACES; 4; 928-934; 2012.
- 161 "Carbon nanotubes and organic solar cells"; Sebastiano Cataldo, Patrizio Salice, Enzo Menna, Bruno Pignataro; ENERGY & ENVIRONMENTAL SCIENCE; 5; 5919-5940; 2012.
- 162 "Polynuclear Copper(I) Complexes with Chelating Bis- and Tris-N-Heterocyclic Carbene Ligands: Catalytic Activity in Nitrene and Carbene Transfer Reactions"; C. Tubaro, A. Biffis, R. Gava, E. Scattolin, A. Volpe, M. Basato, M. Mar Díaz-Requejo, P. J. Perez; EUROPEAN JOURNAL OF ORGANIC CHEMISTRY; 2012; 1367-1372; 2012.
- 163 "Blue-Emitting Dinuclear N-heterocyclic Dicarbene Gold(I) Complex Featuring a Nearly Unit Quantum Yield"; M. Baron, C. Tubaro, A. Biffis, M. Basato, C. Graiff, A. Poater, L. Cavallo, N. Armaroli, G. Accorsi; INORGANIC CHEMISTRY; 51; 1778-1784; 2012.
- 164 "Self-assembly and selective exchange of oligoanions on the surface of monolayer protected Au nanoparticles in water"; G. Pieters, A. Cazzolaro, R. Bonomi, L. J. Prins; CHEMICAL COMMUNICATIONS; 48; 1916-1918; 2012.
- 165 "Effect of residual catalyst on solar cells made of a fluorene-thiophene-benzothiadiazole copolymer as electron-donor: A combined electrical and photophysical study"; N. Camaioni, F. Tinti, L. Franco, M. Fabris, A. Toffoletti, M. Ruzzi, L. Montanari, L. Bonoldi, A. Pellegrino, A. Calabrese, R. Po; ORGANIC ELECTRONICS; 13; 550-559; 2012.
- 166 "Thermodynamics of lanthanide(III) complexation in non-aqueous solvents"; Di Bernardo P. ; Melchior A. ; Tolazzi M. ; Zanonato P. ; COORDINATION CHEMISTRY REVIEWS; 256; 328-351; 2012.
- 167 "Electrospun nylon fibers for the improvement of mechanical properties and for the control of degradation rate of poly(lactide)-based composites"; R. Neppalli, C. Marega, A. Marigo, M.P. Bajgai, H.Y. Kim, S.S. Ray, V. Causin; JOURNAL OF MATERIALS RESEARCH; 27; 1399-1409; 2012.
- 168 "Trichogin GA IV: A versatile template for the synthesis of novel peptaibiotics"; M. De Zotti, B. Biondi, C. Peggion, F. Formaggio, Y. Park, K.-S. Hahm, C. Toniolo; ORGANIC & BIOMOLECULAR CHEMISTRY; 10; 1285-1299; 2012.
- 169 "Looking for a Robust, Synthetic, Fully-Extended (2.05-Helical) Peptide Structure - Effect of Terminal Groups"; F. Formaggio, M. Crisma, C. Peggion, A. Moretto, M. Venanzi, C. Toniolo; EUROPEAN JOURNAL OF ORGANIC CHEMISTRY; 2012; 167-174; 2012.
- 170 "Computational ¹⁹F NMR. 1. General Features"; G. Saielli, R. Bini, A. Bagno; THEORETICAL CHEMISTRY ACCOUNTS; ; -; 2012.
- 171 "Interplay between Structural and Dielectric Features of New Low k Hybrid Organic-Organometallic Supramolecular Ribbons"; Paolo Sgarbossa, Roberta Bertani, Vito Di Noto, Matteo Piga, Guinevere A. Giffin, Giancarlo Terraneo, Tullio Pilati, Pierangelo Metrangolo, Giuseppe Resnati; CRYSTAL GROWTH & DESIGN; 12; 297-305; 2012.
- 172 "Analysis of NAD 2D-NMR Spectra of Saturated Fatty Acids in Polypeptide Aligning Media by Experimental and Modeling Approaches"; Zeinab Serhan, Andrea Borgogno, Isabelle Billault, Alberta Ferrarini, Philippe Lesot; CHEMISTRY-A EUROPEAN JOURNAL; 18; 117-126; 2012.

- 173 "The interplay of configuration and conformation in helical perylenequinones: Insights from chirality induction in liquid crystals and calculations"; Elisa Frezza, Silvia Pieraccini, Stefania Mazzini, Alberta Ferrarini, Gian Piero Spada; BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY; 8; 155-163; 2012.
- 174 "Thermo-induced lipid oxidation of a culinary oil: the effect of materials used in common food processing on the evolution of oxidized species."; A. Silvagni, L. Franco, A. Bagno, F. Rastrelli; FOOD CHEMISTRY; 133; 754-759; 2012.
- 175 "Exploring How to Increase the Brightness of Surface-Enhanced Raman Spectroscopy Nanolabels: The Effect of the Raman-Active Molecules and of the Label Size"; Vincenzo Amendola, Moreno Meneghetti; ADVANCED FUNCTIONAL MATERIALS; 22; 353-360; 2012.
- 176 "Mapping the nanoparticle-coating monolayer with NMR pseudocontact shifts"; Gaetano Guarino, Federico Rastrelli, Fabrizio Mancin; CHEMICAL COMMUNICATIONS; 48; 1523-1525; 2012.
- 177 "Structural and functional analysis of the flexible regions of the catalytic α -subunit of protein kinase CK2."; Papinutto E, Ranchio A, Lolli G, Pinna LA, Battistutta R; JOURNAL OF STRUCTURAL BIOLOGY; 177; 382-391; 2012.
- 178 "Structural features underlying the selectivity of the kinase inhibitors NBC and dNBC: role of a nitro group that discriminates between CK2 and DYRK1A"; Stefania Sarno, Marco Mazzorana, Ryan Traynor, Maria Ruzzene, Giorgio Cozza, Mario A. Pagano, Flavio Meggio, Giuseppe Zagotto, Roberto Battistutta, Lorenzo A. Pinna; CELLULAR AND MOLECULAR LIFE SCIENCES; 69; 449-460; 2012.
- 179 "Assessment of the environmental exposure of honeybees to particulate matter containing neonicotinoid insecticides coming from corn coated seeds"; Andrea Tapparo, Daniele Marton, Chiara Giorio, Alessandro Zanella, Lidia Soldà, Matteo Marzaro, Linda Vivan, Vincenzo Girolami; ENVIRONMENTAL SCIENCE & TECHNOLOGY; 46; 2592-2599; 2012.
- 180 "Light-driven water oxidation with a molecular tetra-cobalt(iii) cubane cluster"; Giuseppina La Ganga, Fausto Puntoriero, Sebastiano Campagna, Irene Bazzan, Serena Berardi, Marcella Bonchio, Andrea Sartorel, Mirco Natali, Franco Scandola; FARADAY DISCUSSIONS; 155; 177-190; 2012.
- 181 "CO optical sensing properties of nanocrystalline ZnO–Au films: Effect of doping with transition metal ions"; E. Della Gaspera, M. Guglielmi, G. Perotto, S. Agnoli, G. Granozzi, M.L. Post, A. Martucci; SENSORS AND ACTUATORS. B, CHEMICAL; 161; 675-683; 2012.
- 182 "Interpretation of cw-ESR spectra of p-methyl-thio-phenyl-nitronyl nitroxide in a nematic liquid crystalline phase"; Alberto Collauto, Mirco Zerbetto, Marina Brustolon, Antonino Polimeno, Andrea Caneschi, Dante Gatteschi; PHYSICAL CHEMISTRY CHEMICAL PHYSICS; 14; 3200-3207; 2012.
- 183 "Influence of Anions on Proton-Conducting Membranes Based on Neutralized Nafion 117, Triethylammonium Methanesulfonate, and Triethylammonium Perfluorobutanesulfonate. 2. Electrical Properties"; Vito Di Noto, Matteo Piga, Guinevere A. Giffin, Sandra Lavina, Eugene S. Smotkin, Jean-Yves Sanchez, Cristina Iojoiu; JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES; 116; 1370-1379; 2012.
- 184 "Influence of Anions on Proton-Conducting Membranes Based on Neutralized Nafion 117, Triethylammonium Methanesulfonate, and Triethylammonium Perfluorobutanesulfonate. 1. Synthesis and Properties"; Vito Di Noto, Matteo Piga, Guinevere A. Giffin, Sandra Lavina, Eugene S. Smotkin, Jean-Yves Sanchez, Cristina Iojoiu; JOURNAL OF PHYSICAL CHEMISTRY. C, NANOMATERIALS AND INTERFACES; 116; 1361-1369; 2012.

- 185 "Targeting the ubiquitin-proteasome pathway with inorganic compounds to fight cancer: a challenge for the future."; Lisa Dalla Via, Chiara Nardon, Dolores Fregona; FUTURE MEDICINAL CHEMISTRY; 4; 525-543; 2012.
- 186 " β -Fe₂O₃ nanomaterials from an iron(ii) diketonate-diamine complex: a study from molecular precursor to growth process"; Barreca D; Carraro G; Devi A; Fois E; Gasparotto A; Seraglia R; Maccato C; Sada C; Tabacchi G; Tondello E; Venzo A; Winter M; DALTON TRANSACTIONS; 41; 149-155; 2012.
- 187 "Ag/ZnO nanomaterials as high performance sensors for flammable and toxic gases"; Simon Q; Barreca D; Gasparotto A; Maccato C; Tondello E; Sada C; Comini E; Devi A; Fischer RA; NANOTECHNOLOGY; 23; 025502-; 2012.
- 188 "Critical comment on: "In vitro susceptibility of Aspergillus spp. to dithiocarbamate organoruthenium compounds""; Nagy Eszter Marta, Fregona Dolores; MYCOSES; 55; 102-103; 2012.
- 189 "Shaping the beating heart of artificial photosynthesis: oxygenic metal oxide nano-clusters"; Andrea Sartorel, Mauro Carraro, Francesca Maria Toma, Maurizio Prato, Marcella Bonchio; ENERGY & ENVIRONMENTAL SCIENCE; 5; 5592-5603; 2012.
- 190 "Thermal behaviour and electrochemical properties of bis(trifluoromethanesulfonyl)amide and dodecatungstosilicate viologen dimers"; Marcella Bonchio, Mauro Carraro, Girolamo Casella, Valerio Causin, Federico Rastrelli, Giacomo Saielli; PHYSICAL CHEMISTRY CHEMICAL PHYSICS; 14; 2710-2717; 2012.
- 191 "Organic-Inorganic Molecular Nano-Sensors: A Bis-Dansylated Tweezer-Like Fluoroionophore Integrating a Polyoxometalate Core"; Mauro Carraro, Gloria Modugno, Giulia Fiorani, Chiara Maccato, Andrea Sartorel, Marcella Bonchio; EUROPEAN JOURNAL OF ORGANIC CHEMISTRY; 2012; 281-289; 2012.
- 192 "An iron(II) diamine diketonate molecular complex: synthesis, characterization and application in the CVD of Fe₂O₃ thin films"; D. Barreca; G. Carraro; A. GASPAROTTO; C. Maccato; R. Seraglia; G. Tabacchi; INORGANICA CHIMICA ACTA; 380; 161-166; 2012.
- 193 "Counterion effects on the 183W NMR spectra of the lacunary Keggin polyoxotungstate [PW₁₁O₃₉]⁷⁻. Relativistic DFT calculations"; A. BAGNO; COMPTES RENDUS CHIMIE; 15; 118-123; 2012.
- 194 "Synthesis and preliminary conformational analysis of TOAC spin-labelled analogues of the medium length peptaibiotic tylopeptin B."; M. GOBBO; MERLI E; BIONDI B; OANCEA S; TOFFOLETTI A; FORMAGGIO F; TONIOLO C; JOURNAL OF PEPTIDE SCIENCE; 18; 37-44; 2012.
- 195 "Soft-Lithographed Up-Converted Distributed Feedback Visible Lasers Based on CdSe–CdZnS–ZnS Quantum Dots"; Todescato F; Fortunati I; Gardin S; Garbin E; Collini E; Bozio R; Jasieniak JJ; Della Giustina G; Brusatin G; Toffanin S; R. SIGNORINI; ADVANCED FUNCTIONAL MATERIALS; 22; 337-344; 2012.
- 196 "Oxidative carbonylation of ethene catalyzed by Pd(II)-PPh₃ complexes in MeOH using benzoquinone as stoichiometric oxidant"; G. CAVINATO; S. FACCHETTI; L. TONIOLO; JOURNAL OF MOLECULAR CATALYSIS. A: CHEMICAL; 352; 63-69; 2012.
- 197 "Extraction and mass spectrometry identification of a major peach allergen Pru p 1"; Pasini G, Curioni A, Vegro M, Pagani M, Masi A, Schievano E, Antico A; JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE; 92; 570-576; 2012.

- 198 "Miniemulsions as Chemical Nanoreactors for the Room Temperature Synthesis of Inorganic Crystalline Nanostructures: ZnO Colloids"; Dolcet P; M. CASARIN; Maccato C; Bovo L; Ischia G; Gialanella S; Mancin F; Tondello E; Gross S; JOURNAL OF MATERIALS CHEMISTRY; 22; 1620-1626; 2012.
- 199 "2D-DIGE analysis of ovarian cancer cell responses to cytotoxic gold compounds"; F.Guidi; M. Puglia; C. Gabbiani; I. Landini; T. Gamberi; D. Fregona; M. A. Cinellu; E. Mini; Luca Bini; P. A. Modesti; A. Modesti; L. Messori.; MOLECULAR BIOSYSTEMS; 8; 985-993; 2012.
- 200 "Broadband electric spectroscopy of proton conducting SPEEK membranes"; Vito Di Noto, Matteo Piga, Guinevere A. Giffin, Giuseppe Pace; JOURNAL OF MEMBRANE SCIENCE; 390-391; 58-67; 2012.
- 201 "Characterization of sulfated-zirconia/Nafion® composite membranes for proton exchange membrane fuel cells"; Guinevere A. Giffin; Matteo Piga; Sandra Lavina; Maria Assunta Navarra; A. D'Epifanio; Bruno Scrosati; Vito Di Noto; JOURNAL OF POWER SOURCES; 198; 66-75; 2012.
- 202 "Further characterization of agmatine binding to mitochondrial membranes: involvement of imidazoline I2 receptor"; Pamela Martinis, Valentina Battaglia, Silvia Grancara, Lisa Dalla Via, Vito Di Noto, Stefania Saccoccio, Enzo Agostinelli, Marcantonio Bragadin, Maria Angelica Grillo, Antonio Toninello; AMINO ACIDS; 42; 761-768; 2012.
- 203 "Inorganic-organic membranes based on Nafion, [(ZrO₂)(HfO₂)_{0.25}] and [(SiO₂)(HfO₂)_{0.28}] nanoparticles. Part II: Relaxations and conductivity mechanism"; VITO DI NOTO; NICOLA BOARETTO; ENRICO NEGRO; P.E. STALLWORTH; SANDRA LAVINA; GUINEVERE A. GIFFIN; STEVE G. GREENBAUM ; INTERNATIONAL JOURNAL OF HYDROGEN ENERGY; 37; 6215-6227; 2012.
- 204 "Inorganic-organic membranes based on Nafion, [(ZrO₂)(HfO₂)_{0.25}] and [(SiO₂)(HfO₂)_{0.28}]. Part I: Synthesis, thermal stability and performance in a single PEMFC"; Vito Di Noto, Nicola Boaretto, Enrico Negro, Guinevere A. Giffin, Sandra Lavina, Stefano Polizzi; INTERNATIONAL JOURNAL OF HYDROGEN ENERGY; 37; 6199-6214; 2012.
- 205 "Hybrid inorganic-organic nanocomposite polymer electrolytes based on Nafion and fluorinated TiO₂ for PEMFCs"; VITO DI NOTO; MAURO BETTIOL; FABIO BASSETTO; NICOLA BOARETTO; ENRICO NEGRO; SANDRA LAVINA; FEDERICO BERTASI; INTERNATIONAL JOURNAL OF HYDROGEN ENERGY; 37; 6169-6181; 2012.
- 206 "Preparation, characterization and single-cell performance of a new class of Pd-carbon nitride electrocatalysts for oxygen reduction reaction in PEMFCs"; Vito Di Noto, Enrico Negro, Stefano Polizzi, Pietro Riello, Plamen Atanassov; APPLIED CATALYSIS. B, ENVIRONMENTAL; 111-112; 185-199; 2012.
- 207 "An EPR Study on Nanographites"; A. BARBON; M. BRUSTOLON; APPLIED MAGNETIC RESONANCE; 42; 197-210; 2012.
- 208 "Laser Ablation Synthesis of Silver Nanoparticles Embedded in Graphitic Carbon Matrix"; V. AMENDOLA; POLIZZI S; MENEGHETTI M; SCIENCE OF ADVANCED MATERIALS; 4; 497-500; 2012.
- 209 "Fatal powdering of bees in flight with particulates of neonicotinoids seed coating and humidity implication"; V. GIROLAMI; M. MARZARO; L. VIVAN; L. MAZZON; M. GREATTI; C. GIORIO; D. MARTON; A. TAPPARO; JOURNAL OF APPLIED ENTOMOLOGY; 136; 17-26; 2012.