

## Peer-reviewed journal articles

### 1)-The unique optical behaviour of bio-related materials with organic chromophores

Francesco Ciardelli; Monica Bertoldo; Simona Bronco; Andrea Pucci; Giacomo Ruggeri; Francesca Signori  
SUBJECTorganic chromophores; bio-related polymers; photoresponsive organic materials; colour change; optical traceability

*Polymer international (Online)* 62 (2013): 22–32.

<https://dx.doi.org/10.1002/pi.4395>

### 2)-Applicability of the Photochemically Generated Pendant Benzoyl Peroxides in both "Grafting From" and "Grafting To" Techniques

Jaroslav Mosná?ek; Ivan Luká?; M. Bertoldo; F. Ciardelli

*Chemical papers (Online)* 67 (2013): 9–17.

<https://dx.doi.org/10.2478/s11696-012-0250-3>

### 3)-Oxidation of Glycogen "Molecular Nanoparticles" by Periodate

M. Bertoldo; G. Zampano; L. Suffner; E. Liberati; F. Ciardelli

*Polymer chemistry (Print)* 4 (2013): 653.

<https://dx.doi.org/10.1039/c2py20625k>

### 4)-Plasticized and Nanofilled Poly(lactic acid)-Based Cast Films: Effect of Plasticizer and Organoclay on Processability and Final Properties

Marco Scatto; Elena Salmini; Stefania Castiello; Maria-Beatrice Coltelli; Lucia Conzatti; Paola Stagnaro; Leonardo Andreotti; Simona

Bronco  
SUBJECTextrusionSUBJECTnanocompositesSUBJECTorganoclaySUBJECTmechanical propertiesSUBJECTrenewable resources

*Journal of applied polymer science (Online)* 127 (2013): 4947–4956.

<https://dx.doi.org/10.1002/APP.38042>

### 5)-A simple class of singular, two-species Vlasov equilibria sustaining nonmonotonic potential distributions

NOCERA L; PALUMBO L  
SUBJECTplasma double layersSUBJECTplasma sheathsSUBJECTkinetic stabilitySUBJECTVlasov equation

*Physics of plasmas* 20 (2013): 012107-1–012107-5.

<https://dx.doi.org/10.1063/1.4773400>

### 6)-Computational Design, Synthesis, and Mechanochromic Properties of New Thiophene-Based pi-Conjugated Chromophores

G. Prampolini; F. Bellina; M. Biczysko; C. Cappelli; L. Carta; M. Lessi; A. Pucci; G. Ruggeri; V. Barone

*Chemistry - A European Journal* (2013).

<https://dx.doi.org/10.1002/chem.201203672>

- 7)-Optical nanoantennas for multiband surface-enhanced infrared and raman spectroscopy**  
D'Andrea C.; Bochterle J.; Toma A.; Huck C.; Neubrech F.; Messina E.; Fazio B.; Maragò O.M.; Di Fabrizio E.; Lamy De La Chapelle M.; Gucciardi P.G.; Pucci A. SUBJECTSERS  
*ACS nano* 7 (2013): 3522–3531.  
<http://www.cnr.it/prodotto/i/216216>  
info:cnr-pdr/source/autori:D'Andrea C., Bochterle J., Toma A., Huck C., Neubrech F., Messina E., Fazio B., Maragò O.M., Di Fabrizio E., Lamy De La Chapelle M., Gucciardi P.G., Pucci A./titolo:Optical nanoantennas for multiband surface-enhanced infrared and raman spectroscopy/
- 8)-Higher methane storage at low pressure and room temperature in new easily scalable large-scale production activated carbon for static and vehicular applications**  
Policicchio A; Maccallini E; Agostino R G; Ciuchi F; Aloise A; Giordano G  
SUBJECTReversible methane storageSUBJECTNatural gasSUBJECTActivated carbon  
*Fuel (Guildf.)* 104 (2013): 813–821.  
<https://dx.doi.org/10.1016/j.fuel.2012.07.035>
- 9)-Theoretical Simulations of Structure and X-ray Photoelectron Spectra of Glycine and di-Glycine Adsorbed on Cu (110)**  
Vincenzo Carravetta; Susanna Monti; Cui Li; Hans Ågren  
*Langmuir* 29 (2013): 10194–10204.  
<https://dx.doi.org/10.1021/la401746d>
- 10)-Symmetry breaking and hole localization in multiple core electron ionization**  
V Carravetta; H Ågren  
*Journal of the Chemical Society. A. Inorganic, physical, theoretical* 117 (2013): 6798.  
<https://dx.doi.org/10.1021/jp406602y>
- 11)-Structural Motifs of Bimetallic Pt<sub>101-x</sub>Aux Nanoclusters**  
Dessens-Felix M. and Pacheco-Contreras R. and Barcaro G. and Sementa L. and FORTUNELLI A. and Posada-Amarillas A.  
*Journal of physical chemistry. C* 117 (2013): 20967–20974.  
<https://dx.doi.org/10.1021/jp406780e>
- 12)-Structure and electronic properties of Co-oxide nanostructures on a vicinal Pd(100) surface**  
Ma L.-Y. and Picone A. and Wagner M. and Surnev S. and Barcaro G. and FORTUNELLI A. and Netzer F. P.  
*Journal of physical chemistry. C* 117 (2013): 18464–18474.  
<https://dx.doi.org/10.1021/jp4052424>

**13)-Influence of temperature and H<sub>2</sub> adsorption on the structure of silica-supported gold subnanometer clusters**

Barcaro G. and Sementa L. and Negreiros F. R. and FORTUNELLI A.  
*Computational and theoretical chemistry (Print)* 1021 (2013): 222–228.  
<https://dx.doi.org/10.1016/j.comptc.2013.07.034>

**14)-Electronic excited states at ultrathin dielectric-metal interfaces**

Sementa L and Marini A and Barcaro G and Negreiros FR and FORTUNELLI A.  
*Physical review. B, Condensed matter and materials physics* 88 (2013): 125413.  
<https://dx.doi.org/10.1103/PhysRevB.88.125413>

**15)-Effect of CO and H adsorption on the compositional structure of binary nanoalloys via DFT modeling**

West PS and Johnston RL and Barcaro G and FORTUNELLI A.  
*The European physical journal. D, Atomic, molecular and optical physics (Print)* 67 (2013): 165.  
<https://dx.doi.org/10.1140/epjd/e2013-40257-4>

**16)-Nanostripe Pattern of NaCl Layers on Cu(110)**

Wagner M and Negreiros F R and Sementa L and Barcaro G and Surnev S and FORTUNELLI A. and Netzer F P  
*Physical review letters* 110 (2013): 216101–216101.  
<https://dx.doi.org/10.1103/PhysRevLett.110.216101>

**17)-DFT study of the structures and energetics of 98-atom AuPd clusters**

Bruma A and Ismail R and Paz-Borbon L O and Arslan H and Barcaro G and FORTUNELLI A. and Li Z Y and Johnston R L  
*Nanoscale (Print)* 5 (2013): 646–652.  
<https://dx.doi.org/10.1039/c2nr32517a>

**18)-Modelling the metal-on-top effect for Pd clusters on the MgO100 substrate**

Atanasov I and Barcaro G and Negreiros F R and FORTUNELLI A. and Johnston R L  
*Journal of chemical physics online* 138 (2013): 224703–224703.  
<https://dx.doi.org/10.1063/1.4807725>

**19)-Chemistry of Interfacial Interactions in a LDPE-Based Nanocomposite and Their Effect on the Nanoscale Hybrid Assembling**

Coiai S.; Prevosto D.; Bertoldo M.; Conzatti L.; Causin V.; Pinzino C.; Passaglia E.  
SUBJECTLAYERED SILICATE NANOCOMPOSITESSUBJECTCLAY INTERCALATIONSUBJECTPOLYETHYLENE  
*Macromolecules (Print)* 46 (2013): 1563–1572.  
<https://dx.doi.org/10.1021/ma301689h>

**20)-Plasticization in Ultrathin Polymer Films: the Role of Supporting Substrate and Annealing**

H.K. Nguyen; M. Labardi; M. Lucchesi; P. Rolla; D. Prevosto

*Macromolecules (Online)* 46 (2013): 555.

<https://dx.doi.org/10.1021/ma301980w>

**21)-Preparation and Properties of PTFE/PAI Nanocomposites**

D. Antonioli; K. Sparnacci; M. Laus; L. Boarino; M.C. Righetti

*Polymer composites (Online)* 34 (2013): 1451–1459.

<https://dx.doi.org/10.1002/pc.22444>

**22)-Thermal and mechanical properties of PES/PTFE composites and nanocomposites**

M.C. Righetti; A. Boggioni; M. Laus; D. Antonioli; K. Sparnacci; L. Boarino

*Journal of applied polymer science (Print)* 130 (2013): 3624.

<https://dx.doi.org/10.1002/app.39613>

**23)-Excess Gibbs Energies and Volumes of the ternary system ethanol + dimethylformamide + tetrahydrofuran at 298.15 K**

E. Matteoli; L. Lepori; P. Gianni; M.C. Righetti

*Fluid phase equilibria* 356 (2013): 157–167.

<https://dx.doi.org/10.1016/j.fluid.2013.07.034>

**24)-Physical ageing reduction in PES through the incorporation of rigid non-interacting PTFE nanoparticles**

M.C. Righetti; A. Boggioni; M. Laus; D. Antonioli; K. Sparnacci; E. Enrico; L. Boarino

*Thermochimica Acta* 571 (2013): 53–59.

<https://dx.doi.org/10.1016/j.tca.2013.09.029>

**25)-The role of the crystallization temperature on the nanophase structure evolution of poly[(R)-3-hydroxybutyrate]**

M.C. Righetti; E. Tombari; M.L. Di Lorenzo

*The journal of physical chemistry. B* 117 (2013): 12303–12311.

<https://dx.doi.org/10.1021/jp4063127>

**26)-Vibronic coupling dominates the electronic circular dichroism of the benzene chromophore <sup>4</sup>L(b) band.**

Pescitelli; Gennaro; Barone; Vincenzo; Di Bari; Lorenzo; Rizzo; Antonio; Santoro; Fabrizio

*Journal of organic chemistry (Online)* 78 (2013): 7398–405.

<https://dx.doi.org/10.1021/jo401112v>

- 27)-Effect of thermal history on the evolution of crystal and amorphous fractions of poly[(R)-3-hydroxybutyrate] upon storage at ambient temperature**  
M. L. Di Lorenzo; M.C. Righetti  
*European Polymer Journal* 49 (2013): 510–517.  
<https://dx.doi.org/10.1016/j.eurpolymj.2012.11.004>
- 28)-Evolution of crystal and amorphous fractions of poly[(R)-3-hydroxybutyrate] upon storage**  
Di Lorenzo; M.L.; Righetti; M.C.  
*Journal of thermal analysis and calorimetry (Print)* 112 (2013): 1439–1446.  
<https://dx.doi.org/10.1007/s10973-012-2734-3>
- 29)-Molecular complex formation between L-phenylalanine and 18-crown-6 in H<sub>2</sub>O-DMSO solvents studied by titration calorimetry at T=298.15 K**  
Usacheva T. R.; Chernov I.; VSharnin V A; Voronina S. I.; Matteoli E.  
*Journal of thermal analysis and calorimetry (Print)* 112 (2013): 399–405.  
<https://dx.doi.org/10.1007/s10973-012-2820-6>
- 30)-Calorimetric investigation of the complex formation reaction of 18-crown-6 ether with d,l-alanine in water-ethanol mixtures**  
Usacheva T. R.; Sharnin V. A.; Chernov I. V.; Matteoli E.  
*Journal of thermal analysis and calorimetry (Print)* 112 (2013): 983–989.  
<https://dx.doi.org/10.1007/s10973-012-2625-7>
- 31)-The Effect of the Molecular Size and Shape on the Volume Behavior of Binary Liquid Mixtures. Branched and Cyclic Alkanes in Heptane at 298.15 K**  
Lepori L; Gianni P; Matteoli E  
*Journal of solution chemistry* 42 (2013): 1263–1304.  
<https://dx.doi.org/10.1007/s10953-013-0023-9>
- 32)-Introducing small cationic groups into 4-armed PLLA-PEG copolymers leads to preferred micellization over thermo-reversible gelation**  
J.W.H. Wennink; F. Signori; M. Karperien; S. Bronco; J. Feijen; P.J. Dijkstra  
SUBJECT Amphiphilic block copolymers; Hydrogels; Micellization  
*Polymer (Guildford)* 54 (2013): 6894–6901.  
<https://dx.doi.org/10.1016/j.polymer.2013.11.007>
- 33)-Super-Cooled Liquids: Equivalence between Mode-Coupling Theory and Replica Approach**  
Tommaso Rizzo  
*Physical review. E, Statistical physics, plasmas, fluids, and related interdisciplinary topics (Online)* (2013).

<http://www.cnr.it/prodotto/i/279383>

info:cnr-pdr/source/autori:Tommaso Rizzo/titolo:Super-Cooled Liquids: Equivalence between Mode-Coupling Theory and Replica Approach/

**34)-Calorimetric investigation on the interaction of sodium taurodeoxycholate with human serum albumin**

Bernazzani, Luca; Ferrari, Carlo; Gianni, Paolo; Mollica, Vincenzo; Tombari, ElpidioSUBJECTAlbuminSUBJECTBile saltsSUBJECTSelf-aggregationSUBJECTProtein-surfactant complexesSUBJECTIsothermal titration calorimetrySUBJECTTemperature-modulated differential scanning calorimetry

*Thermochimica Acta* 555 (2013): 7–16.

<https://dx.doi.org/10.1016/j.tca.2012.12.016>

**35)-Local Dielectric Spectroscopy of Polyvinylpyrrolidone-Mo6S2I8 Nanowire Composite**

M. Labardi; J.H. Park; H.K. Nguyen; D. Prevosto; C.-Y. Seong; A. Mrzel; G. Scalia

*Journal of non-crystalline solids* 379 (2013): 224.

<http://www.cnr.it/prodotto/i/267663>

info:cnr-pdr/source/autori:M. Labardi, J.H. Park, H.K. Nguyen, D. Prevosto, C.-Y. Seong, A. Mrzel, G. Scalia/titolo:Local Dielectric Spectroscopy of Polyvinylpyrrolidone-Mo6S2I8 Nanowire Composite/

**36)-Synthesis and structure-property relationship of polyester-urethanes and their evaluation for the regeneration of contractile tissues**

Sartori, Susanna; Boffito, Monica; Serafini, Piero; Caporale, Andrea; Silvestri, Antonella; Bernardi, Ettore; Sassi, Maria Paola; Boccafoschi, Francesca; Ciardelli, GianlucaSUBJECTPolyurethanesSUBJECTMechanical

propertiesSUBJECTPeptidesSUBJECTTissue engineeringSUBJECTPhase separation

*Reactive & functional polymers (Print)* 73 (2013): 1366–1376.

<https://dx.doi.org/10.1016/j.reactfunctpolym.2013.01.006>

**37)-Octanoic acid as a novel solvent for low electric field electrorheological fluids**

Pietro Calandra \*; Gabriele Salvato; Francesco AliottaSUBJECTElectrorheological effectSUBJECTOctanoic acidSUBJECTTitania nanoparticlesSUBJECTInterfacial effects

*ScienceJet* 2 (2013): 1–5.

<http://www.cognizure.com/sj.aspx?p=114637248>

info:cnr-pdr/source/autori:Pietro Calandra \*, Gabriele Salvato, Francesco Aliotta/titolo:Octanoic acid as a novel solvent for low electric field electrorheological fluids/

**38)-Dynamical Properties of Self-Assembled Surfactant-Based Mixtures: Triggering of One-Dimensional Anomalous Diffusion in Bis(2-ethylhexyl)phosphoric Acid/n-Octylamine Systems**

Calandra, Pietro; Nicotera, Isabella; Rossi, Cesare Oliviero; Liveri, V. Turco

*Langmuir* 29 (2013): 14848–14854.

<https://dx.doi.org/10.1021/la403522q>

**39)-A density functional theory study of magneto-electric Jones birefringence of noble gases, furan homologues, and mono-substituted benzenes**

Fahleson, Tobias; Norman, Patrick; Coriani, Sonia; Rizzo, Antonio; Rikken, Geert L. J. A.

*The Journal of chemical physics* 139 (2013): 194311.

<https://dx.doi.org/10.1063/1.4830412>

**40)-Applicability of medium-size basis sets in calculation of electric dipole dynamic polarisabilities and first hyperpolarisabilities of non-interacting molecules**

Baranowska-Laczowska, Angelika; Chmielewska, Joanna; Pawlowski, Filip; Rizzo, Antonio  
SUBJECTelectric dipole polarisabilitySUBJECTfirst electric dipole hyperpolarisabilitySUBJECTmedium-size basis setsSUBJECTCCSD response approachSUBJECTisolated moleculesSUBJECTCC3

*Molecular physics (Print)* 111 (2013): 1462–1469.

<https://dx.doi.org/10.1080/00268976.2013.788747>

**41)-Communication: Nuclear quadrupole moment-induced Cotton-Mouton effect in noble gas atoms**

Fu, Li-juan; Rizzo, Antonio; Vaara, Juha

*The Journal of chemical physics* 139 (2013): 181102.

<https://dx.doi.org/10.1063/1.4830094>

**42)-Nina Berova, Prasad L. Polavarapu, Koji Nakanishi and Robert W. Woody (Eds.): Comprehensive Chiroptical Spectroscopy Wiley (Book review)**

*Theoretical Chemistry accounts (Print)* 132 (2013): 1368–1369.

<https://dx.doi.org/10.1007/s00214-013-1368-2>

**43)-Ab initio study of the circular intensity difference in electric-field-induced second harmonic generation of chiral natural amino acids**

Rizzo, Antonio; Ågren, Hans

*PCCP. Physical chemistry chemical physics (Print)* 15 (2013): 1198–1207.

<https://dx.doi.org/10.1039/c2cp42792c>

**44)-Global Minimum Pt<sub>13</sub>M<sub>20</sub> (M = Ag, Au, Cu, Pd) Dodecahedral Core-Shell Clusters**

Borbon-Gonzalez, Dora J.; Fortunelli, Alessandro; Barcaro, Giovanni; Sementa, Luca; Johnston, Roy L.; Posada-Amarillas, Alvaro

*The journal of physical chemistry. A* 117 (2013): 14261–14266.

<https://dx.doi.org/10.1021/jp410079t>

**45)-Mixture Design Optimization of Low-Noise Pavements**

Losa, M.; Leandri, R.; Licitra, G.  
*Transportation research record* (2013): 25–33.  
<https://dx.doi.org/10.3141/2372-04>

**46)-Fabrication of flexible all-inorganic nanocrystal solar cells by room-temperature processing**

Loiudice Anna; Rizzo Aurora; Grancini Giulia; Biasiucci Mariano; Belviso Maria R.; Corricelli Michela; Curri M. Lucia; Striccoli Marinella; Agostiano Angela; Cozzoli P. Davide; Petrozza Annamaria; Lanzani Guglielmo; Gigli GiuseppeSUBJECT.  
*Energy & environmental science (Print)* (2013).  
<https://dx.doi.org/10.1039/c3ee23928d>

=====



## Other publications (journals without peer review, book reviews,etc.)

### 1)-Density-functional theory of free and supported metal nanoclusters and nanoalloys

A. Fortunelli; G. Barcaro

*Metal Clusters and Nanoalloys - From Modeling to Applications*, edited by Marcelo Mario Mariscal; Oscar Alejandro Oviedo; Ezequiel Pedro Marcos Leiva, pp. 29–79. New York: Springer, 2013

[https://dx.doi.org/10.1007/978-1-4614-3643-0\\_2](https://dx.doi.org/10.1007/978-1-4614-3643-0_2)

info:cnr-pdr/source/autori:A. Fortunelli; G. Barcaro/titolo:Density-functional theory of free and supported metal nanoclusters and nanoalloys/titolo\_volume:Metal Clusters and Nanoalloys - From Modeling to Applications/curatori\_volume:Marcelo Mario Mariscal; Oscar Alejandro Oviedo; Ezequiel Pedro Marcos Leiva/editore:

/anno:2013

### 2)-Density-Functional Theory of Free and Supported Metal Nanoclusters and Nanoalloys

FORTUNELLI A. and Barcaro G

*Metal Clusters and Nanoalloys: From Modeling to Applications*, edited by Marcelo Mario Mariscal, Oscar Alejandro Oviedo, Ezequiel Pedro Marcos Leiva, pp. 29–79. New York: Springer, 2013

[https://dx.doi.org/10.1007/978-1-4614-3643-0\\_2](https://dx.doi.org/10.1007/978-1-4614-3643-0_2)

info:cnr-pdr/source/autori:FORTUNELLI A. and Barcaro G/titolo:Density-Functional Theory of Free and Supported Metal Nanoclusters and Nanoalloys/titolo\_volume:Metal Clusters and Nanoalloys: From Modeling to Applications/curatori\_volume:Marcelo Mario Mariscal, Oscar Alejandro Oviedo, Ezequiel Pedro Marcos Leiva/editore:

/anno:2013

### 3)-Alloys on the Nanoscale

Barcaro G. and Caro A. and FORTUNELLI A.

*Springer Handbook of Nanomaterials*, edited by Robert Vajtai, pp. 409–472. New York: Springer, 2013

<https://dx.doi.org/10.1007/978-3-642-20595-8>

info:cnr-pdr/source/autori:Barcaro G. and Caro A. and FORTUNELLI A./titolo:Alloys on the Nanoscale/titolo\_volume:Springer Handbook of Nanomaterials/curatori\_volume:Robert Vajtai/editore:

/anno:2013

#### **4)-Reactivity and catalysis by nanoalloys**

Bazin D. and Fechete I. and Garin F. and Barcaro G. and Negreiros F. R. and Sementa L. and FORTUNELLI A.

*Nanoalloys - From Fundamentals to Emergent Applications, edited by Florent Calvo, pp. 283–344. NEW YORK: ELSEVIER, 2013*

<https://dx.doi.org/10.1016/B978-0-12-394401-6.00009-6>

info:cnr-pdr/source/autori:Bazin D. and Fechete I. and Garin F. and Barcaro G. and Negreiros F. R. and Sementa L. and FORTUNELLI A./titolo:Reactivity and catalysis by nanoalloys/titolo\_volume:Nanoalloys - From Fundamentals to Emergent Applications/curatori\_volume:Florent Calvo/editore:

/anno:2013

#### **5)-Kirkwood-Buff Integrals in Fully Miscible Ternary Systems: Thermodynamic Data, Calculation, Representation, and Interpretation.**

Enrico Matteoli; Paolo Gianni; Luciano Lepori

*Fluctuation Theory of Solutions, edited by P.E.Smith, J.P.O'Connell, E.Matteoli, pp. 93–116. London: CRC Press - Taylor & Francis Group, 2013*

<urn:isbn:978-1-4398-9922-9>

info:cnr-pdr/source/autori:Enrico Matteoli, Paolo Gianni, Luciano Lepori/titolo:Kirkwood-Buff Integrals in Fully Miscible Ternary Systems: Thermodynamic Data, Calculation, Representation, and Interpretation./titolo\_volume:Fluctuation Theory of Solutions/curatori\_volume:P.E.Smith, J.P.O'Connell, E.Matteoli/editore:

/anno:2013

**6)-Fluctuation Theory of Solutions: A Primer.**

P.E.Smith; E.Matteoli; J.P.O'Connell

*Fluctuation Theory of Solutions, edited by P.E.Smith, J.P.O'Connell, E.Matteoli, pp. 1–34. London: CRC Press - Taylor & Francis Group, 2013*

[urn:isbn:978-1-4398-9922-9](http://www.isbn:978-1-4398-9922-9)

info:cnr-pdr/source/autori:P.E.Smith, E.Matteoli, J.P.O'Connell/titolo:Fluctuation Theory of Solutions: A Primer./titolo\_volume:Fluctuation Theory of Solutions/curatori\_volume:P.E.Smith, J.P.O'Connell, E.Matteoli/editore:

/anno:2013

**7)-Rigid amorphous fraction evolution during crystallization in PLLA and PHB**

M.C. Righetti; E. Tombari

*EPF2013 Pisa 16-21 giugno 2013, 2013*

<http://www.cnr.it/prodotto/i/296314>

info:cnr-pdr/source/autori:M.C. Righetti, E. Tombari/congresso\_nome:EPF2013 Pisa 16-21 giugno

2013/congresso\_luogo:/congresso\_data:2013/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine :

**8)-Dynamical properties of self-assembled surfactant-based mixtures: 1D anomalous diffusion in bis(2-ethylhexyl) phosphoric acid/n-octylamine systems**

Pietro Calandra; Domenico Lombardo; Isabella Nicotera; Cesare Oliviero Rossi; Vincenzo Turco Liveri

*International Soft Matter Conference 2013, Rome (Italy), 15-19 September 2013*

<http://www.ismc2013.it/files/books/booklet.pdf>

info:cnr-pdr/source/autori:Pietro Calandra, Domenico Lombardo, Isabella Nicotera, Cesare Oliviero Rossi and Vincenzo Turco Liveri/congresso\_nome:International Soft Matter Conference 2013/congresso\_luogo:Rome (Italy)/congresso\_data:15-19 September 2013/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine:

**9)-RECENT ADVENTURES IN THE STUDY OF NONLINEAR OPTICAL MIXED ELECTRIC AND MAGNETIC PROPERTIES AND SPECTROSCOPIES**

Antonio Rizzo

*XVIII International Congress on Quantum Systems in Chemistry and Physics" (XVIII QSCP), Paraty, Rio de Janeiro, Brasil, 1-7 Dicembre 2013*

<http://www.cnr.it/prodotto/i/300349>

info:cnr-pdr/source/autori:Antonio Rizzo/congresso\_nome:XVIII International Congress on Quantum Systems in Chemistry and Physics" (XVIII QSCP)/congresso\_luogo:Paraty, Rio de Janeiro, Brasil/congresso\_data:1-7 Dicembre 2013/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine:

**10)-NONLINEAR ELECTRONIC CHIROOPTICAL SPECTROSCOPIES: THEORY AND EXPERIMENT**

Antonio Rizzo

2013

<http://www.cnr.it/prodotto/i/300388>

**11)-Fourth Order Approximation of the Mixed Derivative Operator**

Nocera LSUBJECTmixed derivativeSUBJECTfinite difference methods

*pp.1-12, 2013*

<http://puma.isti.cnr.it>

**12)-Vlasov-Poisson Equilibria as Solutions of a Mixed Hilbert-Stieltjes Integral Inverse Problem**

Nocera L; Palumbo LJSUBJECTplasmaSUBJECTsurfacesSUBJECTsheathsSUBJECTdouble layersSUBJECTBGK modesSUBJECTVlasov equation

*pp.1-10, 2013*

<http://puma.isti.cnr.it>