

## Peer-reviewed journal articles

### 1)-Synthesis of citric acrylate oligomer and its in-situ reaction with chrome tanned collagen (hide powder)

Haroun, AA; Masoud, RA; Bronco, SsubjectHYDROTHERMAL STABILITYsubjectLEATHERsubjectCOPOLYMERsubjectPARCHMENTsubjectSTYRENE  
*Macromolecular symposia 235 (2006): 187–194.*  
<https://dx.doi.org/10.1002/masy.200650322>

### 2)-Dichroic properties of bis(benzoxazolyl)stilbene and bis(benzoxazolyl)thiophene dispersed into oriented polyethylene films: A combined experimental and density functional theory approach

Pucci A.; Cappelli C.; Bronco S.; Ruggeri, GsubjectPHOTOLUMINESCENT POLYMER BLENDSsubjectINDUCED COLOR CHANGESsubjectEXCITATION-ENERGIESsubjectTRANSITION MOMENTSsubjectOPTICAL-PROPERTIES  
*The journal of physical chemistry. B 110 (2006): 3127–3134.*  
<https://dx.doi.org/10.1021/jp056325p>

### 3)-Statistical approach for the determination of the stereoregularity of optically active propylene-CO copolymers

Bronco; SsubjectENANTIOSELECTIVE ALTERNATING COPOLYMERIZATIONsubjectCARBON-MONOXIDESubjectPALLADIUM COMPLEXESsubjectOLEFINSsubjectPROPENE  
*Helvetica chimica acta 89 (2006): 1740–1751.*  
<https://dx.doi.org/10.1002/hlca.200690171>

### 4)-Solvent effects on the conformational distribution and optical rotation of gamma-methyl paraconic acids and esters

Coriani, S.; Baranowska, A.; Ferrighi, L.; Forzato, C.; Marchesan, D.; Nitti, P.; Pitacco, G.; Rizzo, A.; Ruud, K.  
*Chirality (N.Y., N.Y. Print) 18 (2006): 357–369.*  
<http://www.cnr.it/prodotto/i/39007>

info:cnr-pdr/source/autori:Coriani, S.; Baranowska, A.; Ferrighi, L.; Forzato, C.; Marchesan, D.; Nitti, P.; Pitacco, G.; Rizzo, A.; Ruud, K./titolo:Solvent effects on the conformational distribution and optical rotation of gamma-methyl paraconic acids and esters/

### 5)-The relativistic four-component static-exchange approximation for core excitation processes in molecules

Ekstrom U.; Norman P.; Carravetta V.subjectTheorysubjectQuantumsubjectChemistrysubjectStatic-exchangesubjectRelativistic  
*Physical review. A 73 (2006): 22501.*  
<https://dx.doi.org/10.1103/PhysRevA.73.022501>

**6)-Optically induced circular and axial birefringences in achiral fluids: an ab initio study of the optical Faraday effect**

Baranowska, A.; Rizzo, A.; Coriani, S.

*Molecular physics (Print)* 104 (2006): 2173–2192.

<http://www.cnr.it/prodotto/i/39311>

info:cnr-pdr/source/autori:Baranowska, A.; Rizzo, A.; Coriani, S./titolo:Optically induced circular and axial birefringences in achiral fluids: an ab initio study of the optical Faraday effect/

**7)-A polarization propagator for X-ray spectra**

Ekstrom U.; Norman P.; Carravetta V.; Agren H.subjectTheorysubjectQuantumsubjectChemistrysubjectX-rayssubjectpropagator

*Physical review letters (Print)* 97 (2006): 143001.

<https://dx.doi.org/10.1103/PhysRevLett.97.143001>

**8)-Quenching and restoring of the A 2PI cationic state in resonant Auger electron spectra of CO in the vicinity of the O 1s-->2pi resonance**

Feifel R.; Tanaka T.; Hoshino M.; Tanaka H.; Tamenori Y.; Carravetta V.; Ueda K.subjectAuger decayssubjectTheorysubjectExperimentssubjectCOsubjectFano interference

*Physical review. A* 74 (2006): 62717.

<http://www.cnr.it/prodotto/i/39321>

info:cnr-pdr/source/autori:Feifel R., Tanaka T., Hoshino M., Tanaka H., Tamenori Y., Carravetta V., Ueda K./titolo:Quenching and restoring of the A 2PI cationic state in resonant Auger electron spectra of CO in the vicinity of the O 1s-->2pi resonance/

**9)-Rotational invariance and double frustration in the structures of gold clusters growing around the Fs-defected MgO(100) surface**

Barcaro G.; Fortunelli A.

*The journal of physical chemistry. B* 110 (2006): 21021–21027.

<https://dx.doi.org/10.1021/jp064519e>

**10)-The Conformational Landscape of (R,R)-Pterocarpanes with Biological Activity in Vacuo and in Aqueous Solution (PCM and/or Water Clusters)**

Alagona\* G.; Ghio C.subjectContinuum solventssubjectdiscrete solvationssubjectBSSEsubjectH-bond effectssubjectB3LYP/6-31G\*

*110* (2006): 647–659.

<http://www.cnr.it/prodotto/i/39326>

info:cnr-pdr/source/autori:Alagona\* G., Ghio C./titolo:The Conformational Landscape of (R,R)-Pterocarpanes with Biological Activity in Vacuo and in Aqueous Solution (PCM and/or Water Clusters)/

**11)-Protonated Serotonin Conformational Landscape in Vacuo and in Aqueous Solution (IEF-PCM): Role of Correlation Effects and Monohydration**

Alagona\* G.; Ghio C.subjectHF/MP2subject6-31G\*/6-3111++G\*\* basis setssubjectcontinuum solventssubjectmonohydrated structuressubjectBSSE  
769 (2006): 123–134.

<http://www.cnr.it/prodotto/i/39327>

info:cnr-pdr/source/autori:Alagona\* G., Ghio C./titolo:Protonated Serotonin Conformational Landscape in Vacuo and in Aqueous Solution (IEF-PCM): Role of Correlation Effects and Monohydration/

## **12)-Side Chain Dynamics and Alternative Hydrogen Bonding in the Mechanism of Protein Thermostabilization**

Khechinashvili\* N.N.; Fedorov M.V.; Kabanov A.V.; Monti S.; Ghio C.; Soda K.

*Journal of biomolecular structure & dynamics* 24 (2006): 255–262.

<http://www.cnr.it/prodotto/i/39332>

info:cnr-pdr/source/autori:Khechinashvili\* N.N., Fedorov M.V., Kabanov A.V., Monti S., Ghio C., Soda K./titolo:Side Chain Dynamics and Alternative Hydrogen Bonding in the Mechanism of Protein Thermostabilization/

## **13)-Complete 1,3 Asymmetric Induction into 3-Methyl-4-(3-Acetylpyrrol-1-yl)Butanal to 1-Acetyl-6-Methyl-8-Hydroxy-5,6,7,8-Tetrahydroindolizine Cyclization**

Settambolo R.; Rocchiccioli S.; Lazzaroni\* R.; Alagona G.subject1subject3-asymmetric inductionssubjecthydroformylationssubjecthydroxytetrahydroindolizinessubjectrhodium-catalystssubjectpyrrolylbutanal

*Letters in organic chemistry* 3 (2006): 10–12.

<http://www.cnr.it/prodotto/i/39333>

info:cnr-pdr/source/autori:Settambolo R., Rocchiccioli S., Lazzaroni\* R., Alagona G./titolo:Complete 1,3 Asymmetric Induction into 3-Methyl-4-(3-Acetylpyrrol-1-yl)Butanal to 1-Acetyl-6-Methyl-8-Hydroxy-5,6,7,8-Tetrahydroindolizine Cyclization/

## **14)-Peptide/TiO<sub>2</sub> surface interaction in solution by ab-initio and molecular dynamics simulations**

Carravetta V.; Monti S.subjecttitanium-based materialssubjectsurface adsorptionsubjectmolecular dynamics

*The journal of physical chemistry. B* 110 (2006): 6160–6169.

<http://www.cnr.it/prodotto/i/39346>

info:cnr-pdr/source/autori:Carravetta V.; Monti S./titolo:Peptide/TiO<sub>2</sub> surface interaction in solution by ab-initio and molecular dynamics simulations/

## **15)-Novel imidazole-based combretastatin A-4 analogues: Evaluation of their in vitro antitumor activity and molecular modeling study of their binding to the colchicine site of tubulin**

F. Bellina(1); S. Cauteruccio(1); S. Monti(2); R. Rossi(1)subjectCytotoxicitysubjectCombretastatin A-4subjectColchicinesubjectImidazolessubjectmolecular modeling

*Bioorganic & medicinal chemistry letters (Print) 16 (2006): 5757–5762.*

<http://www.cnr.it/prodotto/i/39347>

info:cnr-pdr/source/autori:F. Bellina(1), S. Cauteruccio(1), S. Monti(2), R. Rossi(1)/titolo:Novel imidazole-based combretastatin A-4 analogues: Evaluation of their in vitro antitumor activity and molecular modeling study of their binding to the colchicine site of tubulin/

**16)-High-Field/High-FreqHigh Field/High Frequency Epr Study on Stable Free Radicals Formed in Sucrose by Gamma-Irradiation.**

Georgieva ER; Pardi LA; Jeschke G; Gatteschi D; Sorace L; Yordanov NDsubjectELECTRON-PARAMAGNETIC-RESONANCEsubjectRADIATION-INDUCED RADICALSsubjectDENSITY-FUNCTIONAL THEORYsubjectSUGARsubjectDOSIMETRY  
*Free radical research 40 (2006): 553–563.*

<http://www.cnr.it/prodotto/i/39379>

info:cnr-pdr/source/autori:Georgieva ER, Pardi LA, Jeschke G, Gatteschi D, Sorace L, Yordanov ND/titolo:High-Field/High-FreqHigh Field/High Frequency Epr Study on Stable Free Radicals Formed in Sucrose by Gamma-Irradiation./

**17)-(Hfepr)-E-2 Spectroscopy of Fe(Iii) Impurities in a Blue Hercynite-Based Pigment.**

Di Benedetto F.; Andreozzi G.; Baldi G.; Barzanti A.; Bernardini G. P.; Faso V.; Pardi LA; Romanelli MsubjectEPRsubjectHigh Frequency  
*Journal of the European Ceramic Society 26 (2006): 2301–2305.*

<http://www.cnr.it/prodotto/i/39380>

info:cnr-pdr/source/autori:Di Benedetto F., Andreozzi G., Baldi G., Barzanti A., Bernardini G. P., Faso V., Pardi LA , Romanelli M/titolo:(Hfepr)-E-2 Spectroscopy of Fe(Iii) Impurities in a Blue Hercynite-Based Pigment./

**18)-A spin resonance investigation of magnetism and dynamics in the charge-transfer salts beta**

Narduzzo A; Coldea A; Ardavan A; Singleton J; Pardi L; Bercu V; Akutsu-Sato A; Akutsu H; Turner SsubjectEPRsubjectCoexistence  
*Journal of low temperature physics 142 (2006): 581–584.*

<http://www.cnr.it/prodotto/i/39382>

info:cnr-pdr/source/autori:Narduzzo A, Coldea A, Ardavan A, Singleton J, Pardi L, Bercu V, Akutsu-Sato A, Akutsu H, Turner S/titolo:A spin resonance investigation of magnetism and dynamics in the charge-transfer salts beta/

**19)-Non linear effects in the interaction of time-dependent fields and chiral systems. A computational investigation**

Baranowska, A.; Rizzo, A.; Jansik, B.; Coriani, S.  
*125 (2006): 054107–10.*

<http://www.cnr.it/prodotto/i/39389>

info:cnr-pdr/source/autori:Baranowska, A.; Rizzo, A.; Jansik, B.; Coriani, S./titolo:Non linear effects in the interaction of time-dependent fields and chiral systems. A computational investigation/

**20)-Gas chromatography mass spectrometry study of hydrogen- deuterium exchange reactions of volatile hydrides of As, Sb, Bi, Ge and Sn in aqueous media**

A. D'Ulivo; Z. Mester; J. Meija; R.E. Sturgeonsubjectidruri  
volatilisubjectidrogenosubjectdeuteriosubjectspettrometria di massa  
*Spectrochimica acta. Part B, Atomic spectroscopy 61 (2006): 778–787.*  
<https://dx.doi.org/10.1016/j.sab.2006.06.004>

**21)-Modi: a new mobile instrument for in situ double-pulse LIBS analysis**

A. Bertolini; G. Carelli; F. Francesconi; M. Francesconi; L. Marchesini; P. Marsili; F. Sorrentino; G. Cristoforetti; S. Legnaioli; V. Palleschi; L. Pardini; A. Salvetti  
*Analytical & bioanalytical chemistry (Print) 385 (2006): 240–247.*  
<http://www.cnr.it/prodotto/i/39440>

info:cnr-pdr/source/autori:A. Bertolini, G. Carelli, F. Francesconi, M. Francesconi, L. Marchesini, P. Marsili, F. Sorrentino, G. Cristoforetti, S. Legnaioli, V. Palleschi, L. Pardini, A. Salvetti/titolo:Modi: a new mobile instrument for in situ double-pulse LIBS analysis/

**22)-Comparison of detection limits, for two metallic matrices, in Laser-Induced Breakdown Spectroscopy in the single- and double-pulse configurations**

M. Ismail; G.Cristoforetti; S. Legnaioli; L. Pardini; V. Palleschi; A. Salvetti; E. Tognoni; M.A. Abdel Harith  
*Analytical & bioanalytical chemistry (Print) 385 (2006): 316–325.*  
<http://www.cnr.it/prodotto/i/39441>

info:cnr-pdr/source/autori:M. Ismail, G.Cristoforetti, S. Legnaioli, L. Pardini, V. Palleschi, A. Salvetti, E. Tognoni, M.A. Abdel Harith/titolo:Comparison of detection limits, for two metallic matrices, in Laser-Induced Breakdown Spectroscopy in the single- and double-pulse configurations/

**23)-Spectroscopic and shadowgraphic analysis of laser induced plasmas in the orthogonal double pulse pre-ablation configuration**

G. Cristoforetti; S. Legnaioli; L. Pardini; V. Palleschi; A. Salvetti; E. Tognoni  
*Spectrochimica acta. Part B, Atomic spectroscopy 61 (2006): 340–350.*  
<http://www.cnr.it/prodotto/i/39443>

info:cnr-pdr/source/autori:G. Cristoforetti, S. Legnaioli, L. Pardini, V. Palleschi, A. Salvetti, E. Tognoni/titolo:Spectroscopic and shadowgraphic analysis of laser induced plasmas in the orthogonal double pulse pre-ablation configuration/

**24)-Quantitative analysis of aluminum alloys by low-energy, high-repetition rate Laser-Induced Breakdown Spectroscopy**

G.Cristoforetti; S.Legnaioli; V.Palleschi; A.Salveti; E.Tognoni; P.A.Benedetti; F.Brioschi; F.Ferrario

*Journal of analytical atomic spectrometry (Print) 21 (2006): 697–702.*

<http://www.cnr.it/prodotto/i/39444>

info:cnr-pdr/source/autori:G.Cristoforetti, S.Legnaioli, V.Palleschi, A.Salveti, E.Tognoni, P.A.Benedetti, F.Brioschi and F.Ferrario/titolo:Quantitative analysis of aluminum alloys by low-energy, high-repetition rate Laser-Induced Breakdown Spectroscopy/

**25)-Evaluation of self-absorption of manganese emission lines in Laser Induced Breakdown Spectroscopy measurements**

F. Bredice; F. O. Borges; H. Sobral; M. Villagran-Muniz; H. O. Di Rocco; G. Cristoforetti; S. Legnaioli; V. Palleschi; L.Pardini; A. Salvetti; E. Tognoni

*Spectrochimica acta. Part B, Atomic spectroscopy 61 (2006): 1294–1303.*

<http://www.cnr.it/prodotto/i/39445>

info:cnr-pdr/source/autori:F. Bredice, F. O. Borges, H. Sobral, M. Villagran-Muniz, H. O. Di Rocco, G. Cristoforetti, S. Legnaioli, V. Palleschi, L.Pardini, A. Salvetti, E. Tognoni/titolo:Evaluation of self-absorption of manganese emission lines in Laser Induced Breakdown Spectroscopy measurements/

**26)-The nuclear spin-rotation constants of HCY, HSiY, and SiY<sub>2</sub> (Y=F, Cl). An ab initio study.**

Rizzo, A.; Puzzarini, C.; Coriani, S.; Gauss, J.

*124 (2006): 064302–10.*

<http://www.cnr.it/prodotto/i/39456>

info:cnr-pdr/source/autori:Rizzo, A.; Puzzarini, C.; Coriani, S.; Gauss, J./titolo:The nuclear spin-rotation constants of HCY, HSiY, and SiY<sub>2</sub> (Y=F, Cl). An ab initio study./

**27)-The magnetizability, rotational g tensor and quadrupole moment of the boron trihalides.**

Wilson, D. J. D.; Helgaker, T. U.; Rizzo, A.

*Molecular physics (Print) 104 (2006): 847–856.*

<http://www.cnr.it/prodotto/i/39457>

info:cnr-pdr/source/autori:Wilson, D. J. D.; Helgaker, T. U.; Rizzo, A./titolo:The magnetizability, rotational g tensor and quadrupole moment of the boron trihalides./

**28)-Origin independent approaches to the calculation of two-photon circular dichroism**

Rizzo, A.; Jansik, B.; Pedersen, T. B.; Agren, H.

*125 (2006): 064113–11.*

<http://www.cnr.it/prodotto/i/39458>

info:cnr-pdr/source/autori:Rizzo, A.; Jansik, B.; Pedersen, T. B.; Agren, H./titolo:Origin independent approaches to the calculation of two-photon circular dichroism/

**29)-On testing quality and traceability of virgin olive oil by calorimetry.**

Angiuli M. (1); Ferrari C. (1); Lepori L. (1); Matteoli E. (1); Salvetti G. (1); Tombari E. (1); Banti A. (2); Minnaja N. (2)subjectDIFFERENTIAL SCANNING CALORIMETRYsubjectWAX APPEARANCE TEMPERATURESsubjectVEGETABLE-OILSsubjectHEATED OILSsubjectDSC  
*84 (2006): 105–112.*

<http://www.cnr.it/prodotto/i/39462>

info:cnr-pdr/source/autori:Angiuli M. (1), Ferrari C. (1), Lepori L. (1), Matteoli E. (1), Salvetti G. (1), Tombari E. (1), Banti A. (2), Minnaja N. (2)/titolo:On testing quality and traceability of virgin olive oil by calorimetry./

**30)-Combined density functional/polarizable continuum model study of magnetochiral birefringence: Can theory and experiment be brought to agreement?**

Jansik, B.; Rizzo, A.; Frediani, L.; Ruud, K.; Coriani, S.

*The Journal of chemical physics 125 (2006): 234105.*

<https://dx.doi.org/10.1063/1.2404661>

**31)-Comment on "on the dielectric susceptibility spectra of supercooled o-terphenyl" [J. Chem. Phys. 123, 154502 (2005)]**

Ferrari C.; Tombari E.

*124 (2006).*

<http://www.cnr.it/prodotto/i/39473>

info:cnr-pdr/source/autori:Ferrari C., Tombari E./titolo:Comment on "on the dielectric susceptibility spectra of supercooled o-terphenyl" [J. Chem. Phys. 123, 154502 (2005)]/

**32)-Heat capacity of tetrahydrofuran clathrate hydrate and of its components, and the clathrate formation from supercooled melt.**

Tombari E. (1); Presto S. (2); Salvetti G. (1); Johari G.P. (3)subjectICE CLATHRATEsubjectHYDROGEN CLUSTERSsubjectGUEST MOLECULESsubjectHEXAGONAL ICEsubjectO-H; WATER

*The Journal of chemical physics 124 (2006).*

<https://dx.doi.org/10.1063/1.2188944>

**33)-Dynamic heat capacity and relaxation time of ultraviscous melt and glassy acetaminophen.**

Tombari E. (1); Presto S. (2); Johari G.P. (3); Shanker R.M. (4)subjectDIFFERENTIAL SCANNING CALORIMETRYsubjectAMORPHOUS PHARMACEUTICAL SOLIDSsubjectMOLECULAR MOBILITYsubjectSUPERCOOLED LIQUIDsubjectTRANSITION TEMPERATURE

*Journal of pharmaceutical sciences 95 (2006): 1006–1021.*

<https://dx.doi.org/10.1002/jps.20601>

**34)-Thermodynamic study of 1,1,2,2-tetrachloroethane plus hydrocarbon mixtures I. Excess and solvation enthalpies.**

Marongiu B. (1); Pusceddu E. (1); Porcedda S. (1); Lepori L. (2); Matteoli E. (2)subjectexcess enthalpysubjecttetrachloroethanesubjectalkylbenzenesubjectDISQUACsubjectsolvation  
*Fluid phase equilibria* 250 (2006): 105–115.

<http://www.cnr.it/prodotto/i/39484>

info:cnr-pdr/source/autori:Marongiu B. (1), Pusceddu E. (1), Porcedda S. (1), Lepori L. (2), Matteoli E. (2)/titolo:Thermodynamic study of 1,1,2,2-tetrachloroethane plus hydrocarbon mixtures I. Excess and solvation enthalpies./

**35)-Combined use of perfluorohexyloctane and silicone oil as intraocular tamponade: an in vitro study.**

Lepori L. (1); Matteoli E. (1); Spanedda A. (1); Genovesi-Ebert F. (2); Rizzo S. (2)subjectALKANES  
*244* (2006): 79–82.

<http://www.cnr.it/prodotto/i/39485>

info:cnr-pdr/source/autori:Lepori L. (1), Matteoli E. (1), Spanedda A. (1), Genovesi-Ebert F. (2), Rizzo S. (2)/titolo:Combined use of perfluorohexyloctane and silicone oil as intraocular tamponade: an in vitro study./

**36)-Quantum real wave-packet dynamics of the  $N(4S)+NO(X2Pi)\rightarrow N2(X1Sigma^+)+O(3P)$  reaction on the ground and first excited triplet potential energy surfaces: Rate constants, cross sections, and product distributions**

P. Gamallo; R. Sayos; M. Gonzalez; C. Petrongolo; P. Defazio  
*124* (2006): 174303.

<http://www.cnr.it/prodotto/i/39605>

info:cnr-pdr/source/autori:P. Gamallo, R. Sayos, M. Gonzalez, C. Petrongolo, P. Defazio/titolo:Quantum real wave-packet dynamics of the  $N(4S)+NO(X2Pi)\rightarrow N2(X1Sigma^+)+O(3P)$  reaction on the ground and first excited triplet potential energy surfaces: Rate constants, cross sections, and product distributions/

**37)-Renner-Teller quantum dynamics of the  $N(2D)+H2$  reaction**

P. Defazio and C. Petrongolo  
*125* (2006): 064308.

<http://www.cnr.it/prodotto/i/39606>

info:cnr-pdr/source/autori:P. Defazio and C. Petrongolo/titolo:Renner-Teller quantum dynamics of the  $N(2D)+H2$  reaction/

**38)-Probing point defects in  $Ba(B1/3B''2/3)O3$  by ESR, PAS and dielectric spectroscopy**

Kolodiaznyi T.; Annino G.; Younker A.; Malysz P.; Mascher P.; Haneda H.subjectPerovskitessubjectDefectssubjectSpectroscopysubjectDielectric propertiessubjectMagnetic properties

*Journal of the European Ceramic Society* 26 (2006): 1921–1924.

<http://www.cnr.it/prodotto/i/39608>



info:cnr-pdr/source/autori:Kolodiaznyi T., Annino G., Younker A., Malysz P., Mascher P., Haneda H./titolo:Probing point defects in Ba(B<sub>1/3</sub>B<sub>2/3</sub>)O<sub>3</sub> by ESR, PAS and dielectric spectroscopy/

### 39)-Properties of trapped electromagnetic modes in coupled waveguides

Annino G.; Yashiro H.; Cassettari M.; Martinelli M.subjectElectromagnetismsubjectSymmetriessubjectTrapped modessubjectResonatorssubjectMillimeter wavelengths  
73 (2006): 125308.

<http://www.cnr.it/prodotto/i/39609>

info:cnr-pdr/source/autori:Annino G., Yashiro H., Cassettari M., Martinelli M./titolo:Properties of trapped electromagnetic modes in coupled waveguides/

### 40)-Stationary States of the Vlasov Equation in the Fourier Transformed Velocity Space

Nocera L.subjectplasmassubjectoscillationssubjectVlasov equationssubjectBGK waves  
352 (2006): 244–249.

<http://www.cnr.it/prodotto/i/39619>

info:cnr-pdr/source/autori:Nocera L./titolo:Stationary States of the Vlasov Equation in the Fourier Transformed Velocity Space/

### 41)-Korteweg de Vries Surface Solitons at Plasma Interfaces

Nocera L.subjectplasmassubjectsolitonssubjectKorteweg-de-Vries-equationssubjectmagnetic-flux-tubessubjectsolar-coronal-loops  
*Physics Letter A (Print)* 359 (2006): 669–676.

<https://dx.doi.org/10.1016/j.physleta.2006.07.016>

### 42)-High-Resolution Image Reconstruction in Fluorescence Microscopy with Patterned Excitation

Heintzmann R.; Benedetti P.A.  
*Applied optics* 45-20 (2006): 5037–5045.

<http://www.cnr.it/prodotto/i/39623>

info:cnr-pdr/source/autori:Heintzmann R., Benedetti P.A./titolo:High-Resolution Image Reconstruction in Fluorescence Microscopy with Patterned Excitation/

### 43)-Towards many colors in fish on 3D-preserved interphase nuclei

Walter J.; Joffer B.; Bolzer A.; Albiez H.; Benedetti P.A.; Müller S.; Speicher M.; Cremer T.; Cremer M.; Slovei I.  
*Cytogenetic and genome research (Print. ed.)* 114 (2006): 367–378.

<http://www.cnr.it/prodotto/i/39626>

info:cnr-pdr/source/autori:Walter J., Joffer B., Bolzer A., Albiez H., Benedetti P.A., Müller S., Speicher M., Cremer T., Cremer M., Slovei I./titolo:Towards many colors in fish on 3D-preserved interphase nuclei/

**44)-K-matrix method with B-splines:  $\sigma(n,l)$ ,  $\beta_n$  and resonances in He photoionization below  $N=4$  threshold**

L. Argenti; R. Moccia  
39 (2006): 2773–2790.

<http://www.cnr.it/prodotto/i/39635>

info:cnr-pdr/source/autori:L. Argenti, R. Moccia/titolo:K-matrix method with B-splines:  $\sigma(n,l)$ ,  $\beta_n$  and resonances in He photoionization below  $N=4$  threshold/

**45)-(Hfepr)-E-2 Investigation of a Cr-Bearing Gahnite Pigment**

Lorenzi G; Baldi G; Di Benedetto F; Faso V; Pardi LA; Romanelli M.  
*Journal of the European Ceramic Society* 26 (2006): 125–129.

<http://www.cnr.it/prodotto/i/39650>

info:cnr-pdr/source/autori:Lorenzi G, Baldi G, Di Benedetto F, Faso V, Pardi LA, Romanelli M./titolo:(Hfepr)-E-2 Investigation of a Cr-Bearing Gahnite Pigment/

**46)-Density dependence of electric properties of binary mixtures of inert gases**

Rizzo, A.; Coriani, S.; Marchesan, D.; Lopez Cacheiro, J.; Fernandez, B.; Haettig, C.  
*Molecular physics (Print)* 104 (2006): 305–318.

<http://www.cnr.it/prodotto/i/39654>

info:cnr-pdr/source/autori:Rizzo, A.; Coriani, S.; Marchesan, D.; Lopez Cacheiro, J.; Fernandez, B.; Haettig, C./titolo:Density dependence of electric properties of binary mixtures of inert gases/

**47)-Analysis of the resonant Auger decay during ultrafast fragmentation of CH<sub>3</sub>F**

G. Prumper; V. Carravetta; Y. Muramatsu; X. J. Liu; K. Ueda; Y. Tamenori; M. Kitajima; M. Hoshino; H. Tanaka  
subjectResonant Auger  
subjectExperiments  
subjectTheory  
subjectCH<sub>3</sub>F  
subjectcharge transfer  
811 (2006): 144–149.

<http://www.cnr.it/prodotto/i/66389>

info:cnr-pdr/source/autori:G. Prumper, V. Carravetta, Y. Muramatsu, X. J. Liu, K. Ueda, Y. Tamenori, M. Kitajima, M. Hoshino, and H. Tanaka/titolo:Analysis of the resonant Auger decay during ultrafast fragmentation of CH<sub>3</sub>F/

**48)-Imaging of ferroelectric polarization in Pb(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>-PbTiO<sub>3</sub> crystals by scanning electro-optic microscopy**

Tikhomirov O.; Labardi M.; Ascoli C.; Allegrini M.; Lebrun L.  
subject(1-X)PB(MG1/3NB2/3)O-3-XPBTIO(3) SINGLE-CRYSTALS  
subjectPIEZORESPONSE FORCE  
subjectDOMAIN-STRUCTURES  
subjectOPTICAL MICROSCOPY  
subjectPHASE-TRANSITIONS  
*Applied physics letters* 88 (2006): 2910.

<http://www.cnr.it/prodotto/i/166864>

info:cnr-pdr/source/autori:Tikhomirov O., Labardi M., Ascoli C., Allegrini M., Lebrun L./titolo:Imaging of ferroelectric polarization in Pb(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)O-3-PbTiO<sub>3</sub> crystals by scanning electro-optic microscopy/

**49)-Partially folded states of HIV-1 protease: Molecular dynamics simulations and ligand binding**

Cavallari, M; Ghio, C; Monti, S; Ferrario, M; Maritan, A; Carloni, PsubjectDRUG-RESISTANCESubjectRETROVIRAL ENZYMESsubjectATOMIC CHARGESsubjectHYDROGEN-BONDSsubjectFORCE-FIELDSsubjectGo potentialssubjectAll-atom potentialssubjectDockingsubjectSubunit-subunit interactionssubjectHydrogen bond  
*769 (2006): 111–121.*

<http://www.cnr.it/prodotto/i/166877>

info:cnr-pdr/source/autori:Cavallari, M; Ghio, C; Monti, S; Ferrario, M; Maritan, A; Carloni, P/titolo:Partially folded states of HIV-1 protease: Molecular dynamics simulations and ligand binding/

**50)-Photorefractivity of poly-N-vinylindole-based materials as compared with that of poly-N-vinylcarbazole-based blends**

Angiuli, M; Ciardelli, F; Colligiani, A; Greco, F; Romano, A; Ruggeri, G; Tombari, EsubjectGLASS-TRANSITION TEMPERATUREsubjectCHARGE-TRANSPORTsubjectELECTROOPTIC COEFFICIENTsubjectPHOTOCONDUCTIVE POLYMERSsubjectORGANIC PHOTOCONDUCTORS

*Applied optics 45 (2006): 7928–7937.*

<http://www.cnr.it/prodotto/i/166882>

info:cnr-pdr/source/autori:Angiuli, M; Ciardelli, F; Colligiani, A; Greco, F; Romano, A; Ruggeri, G; Tombari, E/titolo:Photorefractivity of poly-N-vinylindole-based materials as compared with that of poly-N-vinylcarbazole-based blends/

**51)-Characterization of supramolecular Polyphenol-Chromium(III) Clusters by Molecular Dynamics Simulations**

Bronco, S; Cappelli, C; Monti, SsubjectMolecular dynamicssubjecttanningsubjectflavonoidssubjectchromium

*The journal of physical chemistry. B 110 (2006): 13227–13234.*

<https://dx.doi.org/10.1021/jp061776a>

**52)-Towards the design of highly selective recognition sites into molecular imprinting polymers: A computational approach**

Monti S.; Cappelli C.; Bronco S.; Giusti P.; Ciardelli G.subjectMolecular imprintingsubjectMolecular dynamicssubjectMolecular MechanicssubjectDocking

*Biosensors & bioelectronics 22 (2006): 153–163.*

<https://dx.doi.org/10.1016/j.bios.2006.05.017>

**53)-Electronic and structural shell closure in AgCu and AuCu nanoclusters**

Barcaro, G; Fortunelli, A; Rossi, G; Nita, F; Ferrando, RsubjectTRANSITION-METAL CLUSTERSsubjectGLOBAL OPTIMIZATIONsubjectSILVER CLUSTERSsubjectPHOTOELECTRON-SPECTROSCOPYsubjectNANOALLOY CLUSTERS

*The journal of physical chemistry. B* 110 (2006): 23197–23203.

<https://dx.doi.org/10.1021/jp064593x>

**54)-Signatures of the fast dynamics in glassy polystyrene by multi-frequency, high-field electron paramagnetic resonance of molecular guests**

Bercu, V; Martinelli, M; Massa, CA; Pardi, LA; Leporini, DsubjectSPIN-RESONANCEsubjectAMORPHOUS POLYSTYRENEsubjectROTATIONAL DIFFUSIONsubjectSECONDARY RELAXATIONsubjectESR

*Journal of non-crystalline solids* 352 (2006): 5029–5034.

<http://www.cnr.it/prodotto/i/167230>

info:cnr-pdr/source/autori:Bercu, V; Martinelli, M; Massa, CA; Pardi, LA; Leporini, D/titolo:Signatures of the fast dynamics in glassy polystyrene by multi-frequency, high-field electron paramagnetic resonance of molecular guests/

**55)-Scanning electrooptic microscopy of the relaxor materials**

Tikhomirov, O; Labardi, M; Ascoli, C; Allegrini, MsubjectFERROELECTRIC THIN-FILMSsubjectOPTICAL MICROSCOPYsubjectPHASE-TRANSITIONSsubjectDOMAINSsubjectCRYSTALS

*Ferroelectrics (Print)* 341 (2006): 21–28.

<http://www.cnr.it/prodotto/i/167270>

info:cnr-pdr/source/autori:Tikhomirov, O; Labardi, M; Ascoli, C; Allegrini, M/titolo:Scanning electrooptic microscopy of the relaxor materials/

**56)-Determination and significance of the Mn(II) Zero-Field Splitting (ZFS) interaction in the geochemistry of travertines.**

Montegrossi G.; Di Benedetto F.; Minissale A.; Paladini M.; Pardi L.A.; Romanelli M.; Romei F.subjectPARAMAGNETIC-RESONANCEsubjectCALCIUM-CARBONATEsubjectGROWTH; KINETICSsubjectEPR

*Applied geochemistry* 21 (2006): 820–825.

<https://dx.doi.org/10.1016/j.apgeochem.2006.02.008>

**57)-Bilateral switching of the modulated electrooptic contrast in PLZTN ceramics**

Tikhomirov, O; Labardi, M; Ascoli, C; Allegrini, M; Galassi, CsubjectSCANNING OPTICAL MICROSCOPYsubjectTHIN-FILMSsubjectFORCE MICROSCOPYsubjectFERROELECTRICSsubjectVISUALIZATION

*Solid state communications (Print)* 138 (2006): 60–63.

<http://www.cnr.it/prodotto/i/170289>

info:cnr-pdr/source/autori:Tikhomirov, O; Labardi, M; Ascoli, C; Allegrini, M; Galassi, C/titolo:Bilateral switching of the modulated electrooptic contrast in PLZTN ceramics/

**58)-Nonlinear stationary states of the Vlasov equation in the Fourier-transformed velocity-space**

Nocera L.subjectplasmasubjectoscillationssubjectVlasov-equation BGK-modessubjectvan-Kampen-eigenfunctionssubjectLandau-damping

*Physics Letter A (Print)* 352 (2006): 244–249.

<https://dx.doi.org/10.1016/j.physleta.2005.11.075>

**59)-Supported Imprinted Nanospheres for a Selective Recognition of Cholesterol**

CIARDELLI G.; BORRELLI C; SILVESTRI D; CRISTALLINI C; BARBANI N; GIUSTI P

*Biosensors & bioelectronics* 21 (2006): 2329–2338.

<https://dx.doi.org/10.1016/j.bios.2005.12.027>

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

### **1)-Modulated Adiabatic Scanning Calorimetry at IPCF**

Gian Carlo Bussolino; Carlo Ferrari Giuseppe Salvetti; Elpidio Tombari

*XI Convegno A.I.P.T., Modena, 2006*

[urn:isbn:88-87380-52-X](http://urn:isbn:88-87380-52-X)

info:cnr-pdr/source/autori:Gian Carlo Bussolino, Carlo Ferrari Giuseppe Salvetti, Elpidio Tombari/congresso\_nome:XI Convegno

A.I.P.T./congresso\_luogo:Modena/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **2)-On the enhancement of laser induced breakdown spectroscopy signal in double pulse configuration**

G. Cristoforetti; S. Legnaioli; V. Palleschi; L. Pardini; A. Salvetti; E. Tognoni

*LASER TECHNOLOGIES FOR ENVIRONMENTAL MONITORING AND ECOLOGICAL APPLICATIONS, 2006*

<http://www.cnr.it/prodotto/i/88078>

info:cnr-pdr/source/autori:G. Cristoforetti, S. Legnaioli, V. Palleschi, L. Pardini, A. Salvetti, E. Tognoni/congresso\_nome:LASER TECHNOLOGIES FOR ENVIRONMENTAL MONITORING AND ECOLOGICAL

APPLICATIONS/congresso\_luogo:/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **3)-New Perspectives in LIBS analysis of polluted soils**

G. Cristoforetti; S. Legnaioli; V. Palleschi; L. Pardini; A. Salvetti; E. Tognoni

*LASER TECHNOLOGIES FOR ENVIRONMENTAL MONITORING AND ECOLOGICAL APPLICATIONS, 2006*

<http://www.cnr.it/prodotto/i/88079>

info:cnr-pdr/source/autori:G. Cristoforetti, S. Legnaioli, V. Palleschi, L. Pardini, A. Salvetti, E. Tognoni/congresso\_nome:LASER TECHNOLOGIES FOR ENVIRONMENTAL MONITORING AND ECOLOGICAL

APPLICATIONS/congresso\_luogo:/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **4)-High-frequency EPR applications of open nonradiative resonators**

G. Annino; M. Fittipaldi; M. Martinelli; S. Van Doorslaer; E. GoovaertsubjectEPRsubjectOpen resonatorsubjectMillimeter wavelengths

*6th European Federation of EPR Groups Meeting, Madrid, 2006*

<http://www.cnr.it/prodotto/i/88107>

info:cnr-pdr/source/autori:G. Annino, M. Fittipaldi, M. Martinelli, S. Van Doorslaer, E. Goovaerts/congresso\_nome:6th European Federation of EPR Groups Meeting/congresso\_luogo:Madrid/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **5)-Temperature-stable compact microstrip filters on (Zr<sub>0.8</sub>, Sn<sub>0.2</sub>)TiO<sub>4</sub>**

A. Ioachim; G. Banciu; M. I. Toacsan; L. Nedelcu; A. Dutu; G. Stoica; G. Annino; M. Cassettari; M. Martinelli/subjectMicrostrip filters/subjectLow-loss material/subjectDielectric resonator/subjectWhispering gallery modes

*Mediterranean Microwave Symposium, Genova, 2006*

<http://www.cnr.it/prodotto/i/88108>

info:cnr-pdr/source/autori:A. Ioachim, G. Banciu, M. I. Toacsan, L. Nedelcu, A. Dutu, G. Stoica, G. Annino, M. Cassettari, M. Martinelli/congresso\_nome:Mediterranean Microwave Symposium/congresso\_luogo:Genova/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **6)-Pulp Cellulose Fiber Modification by Grafting with Ethyl Acrylate**

Bertoldo M.; Zampano G.; Signori F.; Bronco S.; Castelvetro V.

*BioPlastics06, Montreal (Canada), 2006*

<http://www.cnr.it/prodotto/i/88223>

info:cnr-pdr/source/autori:Bertoldo M., Zampano G., Signori F., Bronco S., Castelvetro V./congresso\_nome:BioPlastics06/congresso\_luogo:Montreal (Canada)/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **7)-Diffusion and growth of metal clusters on the Mg(100) surface**

Barcaro G.; Fortunelli A./subjectheterogeneous catalysis

*Summer School on Metal Clusters and Surfaces, Pisa, 15/05/2006*

<http://www.cnr.it/prodotto/i/116511>

info:cnr-pdr/source/autori:Barcaro G., Fortunelli A./congresso\_nome:Summer School on Metal Clusters and Surfaces/congresso\_luogo:Pisa/congresso\_data:15/05/2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **8)-Density-Functional Global-Optimization studies of coinage metal clusters on the regular and defected MgO(100) surface**

Barcaro G.; Aprà E.; Fortunelli A./subjectheterogeneous catalysis

*SONS General Conference, Pisa, 30/06/2006*

<http://www.cnr.it/prodotto/i/116512>

info:cnr-pdr/source/autori:Barcaro G., Aprà E., Fortunelli A./congresso\_nome:SONS General Conference/congresso\_luogo:Pisa/congresso\_data:30/06/2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

### 9)-Competing H-Bonds in N-Protonated Adrenaline

Alagona Giuliano; Ghio Caterina

*XII Intl Congress of Quantum Chemistry (ICQC), Kyoto (Japan), 2006*

<http://www.cnr.it/prodotto/i/116520>

info:cnr-pdr/source/autori:Alagona Giuliano, Ghio Caterina/congresso\_nome:XII Intl Congress of Quantum Chemistry (ICQC)/congresso\_luogo:Kyoto (Japan)/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

### 10)-Computational Prediction of Regio- and Stereoselectivities in the Hydroformylation of Chiral Olefins

Alagona Giuliano; Ghio Caterina; Lazzaroni Raffaellosubjecthomogeneous catalysissubjectdomino processessubjectRh-carbonylssubjectsubstrate-induced selectivitysubjectpseudopotentials

*Modelling and Design of Molecular Materials, Wroclaw (Poland), 2006*

<http://www.cnr.it/prodotto/i/116521>

info:cnr-pdr/source/autori:Alagona Giuliano, Ghio Caterina, Lazzaroni Raffaello/congresso\_nome:Modelling and Design of Molecular Materials/congresso\_luogo:Wroclaw (Poland)/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

### 11)-DHAP-GAP Reversible Isomerisation Catalyzed by TIM Revisited using Hybrid Car-Parrinello MD/AMBER Simulations

Alagona Giuliano; Ghio Caterina; Molin Dafne

*XII Intl Congress of Quantum Chemistry (ICQC), Kyoto (Japan), 2006*

<http://www.cnr.it/prodotto/i/116522>

info:cnr-pdr/source/autori:Alagona Giuliano, Ghio Caterina, Molin Dafne/congresso\_nome:XII Intl Congress of Quantum Chemistry (ICQC)/congresso\_luogo:Kyoto (Japan)/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

### 12)-Docking of protonated ethylamine neurotransmitters in rhodopsin-based receptor models

Alagona Giuliano; Ghio Caterina; Nagy Peter I.subjectneurotransmitterssubjectsuperimpositionsubjectpartial charge modelsubjectbeta-adrenergic receptorssubject5-HT2A receptor

*Intl Society of Quantum Biology & Pharmacology (ISQBP) President's Meeting, Strasbourg, France, 2006*

<http://www.cnr.it/prodotto/i/116523>



info:cnr-pdr/source/autori:Alagona Giuliano, Ghio Caterina, Nagy Peter I./congresso\_nome:Intl Society of Quantum Biology & Pharmacology (ISQBP) President's Meeting/congresso\_luogo:Strasbourg, France/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **13)-Human Oral Absorption Models Using a Neural Network Coupled Genetic Algorithm**

Di Fenza Armida; Alagona Giuliano; Ghio Caterina; Leonardi Riccardo; Giolitti Alessandro; Madami Andrea/subjectgenetic algorithms/subjectneural networks/subjectCaco-2 cell permeability/subjectintestinal absorptions/subjectoral bioavailability

*Proteomics: deciphering the phenotype, Pisa, Italy, 2006*

<http://www.cnr.it/prodotto/i/116524>

info:cnr-pdr/source/autori:Di Fenza Armida, Alagona Giuliano, Ghio Caterina, Leonardi Riccardo, Giolitti Alessandro, Madami Andrea/congresso\_nome:Proteomics: deciphering the phenotype/congresso\_luogo:Pisa,

Italy/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **14)-Fundamental aspects of chemical vapour generation by aqueous tetrahydroborate(III) derivatization**

A. D'Ulivo/subjectmeccanismi di reazioni/subjectidruri volatilis/subjectboranis/subjectspettrometria di massa/subjectspettroscopia atomica

*Federation of Analytical Chemistry and Spectroscopy Societies, pp. 194–195, Orlando, 2006*

<http://www.cnr.it/prodotto/i/116541>

info:cnr-pdr/source/autori:A. D'Ulivo/congresso\_nome:Federation of Analytical Chemistry and Spectroscopy

Societies/congresso\_luogo:Orlando/congresso\_data:2006/anno:2006/pagina\_da:194/pagina\_a:195/intervallo\_pagine:194–195

### **15)-Analytical Challenges in Investigating the Mechanisms of the Hydride Generation Using Advanced Mass Spectrometric Approaches**

J. Meija, Z. Mester; A. D'Ulivo/subjectidruris/subjectisotopologhis/subjectspettrometria di massa/subjectmeccanismi di reazione

*89th Canadian Chemistry Conference, Halifax, Canada, 2006*

<http://www.cnr.it/prodotto/i/116542>

info:cnr-pdr/source/autori:J. Meija, Z. Mester; A. D'Ulivo/congresso\_nome:89th Canadian Chemistry Conference/congresso\_luogo:Halifax,

Canada/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **16)-The Virial Coefficients of Pure Gases and Mixtures.**

L. Lepori; E. Matteoli; A. Spanedda; G. C. Bussolino

*Thermo International 2006, Boulder, Colorado – USA, 2006*

<http://www.cnr.it/prodotto/i/116544>

info:cnr-pdr/source/autori:L. Lepori, E. Matteoli, A. Spanedda, G. C. Bussolino/congresso\_nome:Thermo International 2006/congresso\_luogo:Boulder, Colorado – USA/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

**17)-Excess and Solvation Enthalpies of Perfluoroalkane + Alkane Mixtures**

L. Lepori; E. Matteoli; C. Duce; M.R. Tine'

*Thermo International 2006, Boulder (CO) USA, 2006*

<http://www.cnr.it/prodotto/i/116549>

info:cnr-pdr/source/autori:L. Lepori, E. Matteoli, C. Duce, M.R. Tine'/congresso\_nome:Thermo International 2006/congresso\_luogo:Boulder (CO) USA/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

**18)-Mixtures of 1,1,2,2-Tetrachloroethane + Aromatic Hydrocarbons: Excess and Solvation Thermodynamic Functions**

L. Lepori; E. Matteoli; A. Spanedda; G.C. Bussolino; B. Marongiu; S. Porcedda

*Thermo International 2006, Boulder(CO) USA, 2006*

<http://www.cnr.it/prodotto/i/116550>

info:cnr-pdr/source/autori:L. Lepori, E. Matteoli, A. Spanedda, G.C. Bussolino, B. Marongiu, S. Porcedda/congresso\_nome:Thermo International 2006/congresso\_luogo:Boulder(CO) USA/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

**19)-Propagation of KdV Solitons in a Magnetised Plasma Column**

L. Nocera

*92mo Congresso Nazionale SIF, pp. 209–209, Torino, 18-23/09/2006*

<http://www.cnr.it/prodotto/i/116584>

info:cnr-pdr/source/autori:L. Nocera/congresso\_nome:92mo Congresso Nazionale SIF/congresso\_luogo:Torino/congresso\_data:18-23/09/2006/anno:2006/pagina\_da:209/pagina\_a:209/intervallo\_pagine:209–209

**20)-Electric and magnetic field do not modify the biochemical properties of FRTL-5 cells**

Dimida (1); P. Agretti (1); M. Tonacchera (1); E. Ferrarini (1); L. Grasso (1); M. Martinelli (2); I. Longo (2); D. Giulietti (3); A.S. Ricci (2); M. Galimberti (2); B. Siervo (4); F. Licita (4); F. Francia (4); A. Pinchera (1)

*XXVI GEP, Pisa, 2006*

<http://www.cnr.it/prodotto/i/116693>

info:cnr-pdr/source/autori:Dimida (1), P. Agretti (1), M. Tonacchera (1), E. Ferrarini (1), L. Grasso (1), M. Martinelli (2), I. Longo (2), D. Giulietti (3), A.S. Ricci (2), M. Galimberti (2), B. Siervo (4), F. Licita (4), F. Francia (4), A. Pinchera (1)/congresso\_nome:XXVI

GEP/congresso\_luogo:Pisa/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

**21)-Fast authentication of Extra Virgin Olive Oil by DSC calorimetry**

E. Tombari (1); M. Angiuli (1); C. Ferrari (1); M.C. Righetti (1); G. Salvetti (1); A. Mattei (2); O. Lorenzini (2)

*4th Euro Fed Lipid Congress: Oils, Fats and Lipids for a Healthier Future, Madrid, Spagna, 2006*

<http://www.cnr.it/prodotto/i/116711>

info:cnr-pdr/source/autori:E. Tombari (1), M. Angiuli (1), C. Ferrari (1), M.C. Righetti (1), G. Salvetti (1), A. Mattei (2), O. Lorenzini (2)/congresso\_nome:4th Euro Fed Lipid Congress: Oils, Fats and Lipids for a Healthier Future/congresso\_luogo:Madrid, Spagna/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

**22)-Un metodo calorimetrico per l'autenticazione dell'Olio Extra Vergine d'Oliva (OEVO)**

R. Ambrosetti; M. Angiuli; G. Bussolino; C. Ferrari; L. Lepori; E. Matteoli; D. Ricci; G. Salvetti; E. Tombari

*AgriBIT: Trasferimento di innovazioni biotecnologiche al sistema agroalimentare pugliese, Bari, 2006*

<http://www.cnr.it/prodotto/i/116712>

info:cnr-pdr/source/autori:R. Ambrosetti, M. Angiuli, G. Bussolino, C. Ferrari, L. Lepori, E. Matteoli, D. Ricci, G. Salvetti, E. Tombari/congresso\_nome:AgriBIT: Trasferimento di innovazioni biotecnologiche al sistema agroalimentare pugliese/congresso\_luogo:Bari/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

**23)-"Electrooptic Imaging of Ferroelectric Domains with a Near-Field Fiber Probe",**

O. Tikhomirov; M. Labardi; C. Ascoli; M. Allegrini

*ISFD-9, dresda, 2006*

<http://www.cnr.it/prodotto/i/116728>

info:cnr-pdr/source/autori:O. Tikhomirov, M. Labardi, C. Ascoli, M. Allegrini/congresso\_nome:ISFD-9/congresso\_luogo:dresda/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

**24)-Resolution Improvement in Near-Field Optical Microscopy by Application of Surface-Localized Fields: Case of Electro-Optic Modulation**

O. Tikhomirov; M. Labardi; C. Ascoli; M. Allegrini

*9th International Conference on Near-Field Nano Optics & Related Techniques (NFO-9), Lausanne, 2006*

<http://www.cnr.it/prodotto/i/116731>

info:cnr-pdr/source/autori:O. Tikhomirov, M. Labardi, C. Ascoli, M. Allegrini/congresso\_nome:9th International Conference on Near-Field Nano Optics & Related Techniques (NFO-9)/congresso\_luogo:Lausanne/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

## **25)-Fast Authentication Of Edible Oils By DSC Calorimetry**

G. Salvetti (1); M. Angiuli (1); C. Ferrari (1); M.C. Righetti (1); E. Tombari (1); O. Lorenzini (2); A. Mattei (2)

*CALCAT '06: Calorimetry and Thermal Analysis Conference, Santiago de Compostela, Spagna, 2006*

<http://www.cnr.it/prodotto/i/116747>

info:cnr-pdr/source/autori:G. Salvetti (1), M. Angiuli (1), C. Ferrari (1), M.C. Righetti (1), E. Tombari (1), O. Lorenzini (2), A. Mattei (2)/congresso\_nome:CALCAT '06: Calorimetry and Thermal Analysis Conference/congresso\_luogo:Santiago de Compostela, Spagna/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

## **26)-Processi Fisici in Soluzioni Acquose**

G. Salvetti; C. Ferrari; E. Tombari

*"Quarant'anni di Fisica della Materia a Messina", Messina, 2006*

<http://www.cnr.it/prodotto/i/116784>

info:cnr-pdr/source/autori:G. Salvetti, C. Ferrari, E. Tombari/congresso\_nome:"Quarant'anni di Fisica della Materia a Messina"/congresso\_luogo:Messina/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

## **27)-NONLINEAR OPTICAL PROPERTIES OF CHIRAL SYSTEMS**

Rizzo; A.

*International Conference of Computational Methods in Sciences and Engineering 2006 (ICCMSE 2006), Xania, Crete, Greece, 2006*

<http://www.cnr.it/prodotto/i/117091>

info:cnr-pdr/source/autori:Rizzo, A./congresso\_nome:International Conference of Computational Methods in Sciences and Engineering 2006 (ICCMSE 2006)/congresso\_luogo:Xania, Crete, Greece/congresso\_data:2006/anno:2006/pagina\_da:/pagina\_a:/intervallo\_pagine:

**28)-ACCURATE AB INITIO ELECTRIC AND MAGNETIC INTERACTION INDUCED PROPERTIES. BENCHMARKS RESULTS FOR MIXTURES OF NOBLE GASES AND THE AR-CO VAN DER WAALS SYSTEM**

Rizzo, A.; Coriani, S.

*van der Waals workshop on Physical and Weak Chemical Interactions, Trieste, 2006*

<http://www.cnr.it/prodotto/i/117092>

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**29)-NONLINEAR OPTICAL PROPERTIES OF CHIRAL SYSTEMS**

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**30)-Accurate NLO properties for small molecules. Methods and results**

Christiansen, O.; Coriani, S.; Gauss, J.; Haettig, C.; Joergensen, P.; Pawlowski, F.; Rizzo, A., 2006

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**31)-The molecular electric quadrupole moment and electric-field-gradient induced birefringence (Buckingham effect) of Cl<sub>2</sub>**

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**32)-Studio preliminare sull'uso della calorimetria per test di qualità e tracciabilità dell'olio extravergine di oliva**

M. Angiuli (1); C. Ferrari (1); L. Lepori (1); E. Matteoli (1); G. Salvetti (1); E. Tombari (1); A. Banti (2); N. Minnaja (2)

*Pinerolo: Chiriotti, 2006*

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**33)-Adulterazioni dell'olio di oliva extra vergine per aggiunta di olio di semi rilevabili con calorimetria DSC**

E. Tombari (1); M. Angiuli (1); C. Ferrari (1); M. C. Righetti (1); G. Salvetti (1); A. Mattei (2); O. Lorenzini (2)

*Pinerolo: Chiriotti, 2006*

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**34)-An indole-based low molecular weight glass-former giving materials**

R. Angelone (1); M. Angioli (2); F. Ciardelli (1; 3); A. Colligiani (3; 4); F. Greco (1); A. Romano (4); G. Ruggeri (1; 3); E. Tombari (2)

*2006*

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**35)-Low Cost Multimode Calorimeter**

G. Salvetti(1);

*PCT/IB2006/000371*

<http://www.cnr.it/prodotto/i/144978>

**36)-Apparecchiatura per la Microscopia Video-Confocale**

P. A. Benedetti e G. Guidarini

*2006*

<http://www.cnr.it/prodotto/i/151784>

**37)-Olive oil authentication by low cost calorimetry**

D.Ricci; R.Ambrosetti; G.Salvetti; C.Ferrari; E.Tombari; E.Matteoli; L.Lepori D. Ricci; R. Ambrosetti; G. Salvetti; C. Ferrari; E. Tombari; E. Matteoli; L. Lepori

*CALCAT '06, Santiago de Compostela, Spagna, 2006*

<http://www.cnr.it/prodotto/i/169932>

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**38)-POLY 606-A molecular dynamics approach to the supramolecular structure of collagen and related binding properties**

Ciardelli, F; Bronco, S; Cappelli, C; Monti, S

*606-POLY, 2006*

<http://www.cnr.it/prodotto/i/269009>

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