

## Peer-reviewed journal articles

### 1)-Polymeric Devices Containing Imprinted Nanospheres: A Novel Approach to Improve Recognition in Water for Clinical Uses

D. Silvestri; C. Borrelli; P. Giusti; C. Cristallini; G. CiardellisubjectMolecular imprintingsubjectRecognition in watersubjectNanospheressubjectSelective membranes

*Analytica chimica acta (Print)* 542 (2005): 3–13.

<https://dx.doi.org/10.1016/j.aca.2004.12.005>

### 2)-Photoelectrochemical properties of Zn(II) phthalocyanine/ZnO nanocrystals heterojunctions: nanocrystal surface chemistry effect

C. Ingrosso; A. Petrella; M.L. Curri; M. Striccoli; P. Cosma; P.D. Cozzoli; A. Agostiano

*Applied surface science* 246 (2005): 367–371.

<http://www.cnr.it/prodotto/i/39303>

info:cnr-pdr/source/autori:C. Ingrosso, A. Petrella, M.L. Curri, M. Striccoli, P. Cosma, P.D. Cozzoli, A. Agostiano/titolo:Photoelectrochemical properties of Zn(II) phthalocyanine/ZnO nanocrystals heterojunctions: nanocrystal surface chemistry effect/

### 3)-Phenylacetylene adsorption on Rh(100): a photoemission and photoabsorption investigation

Iucci G.; Carravetta V.; Paolucci G.; Goldoni A.; Russo M.V.; Polzonetti G.subjectphenylacetylenesubjectadsorbatesubjectXPSsubjectNEXAFSsubjecttheory

*Chemical physics (Print)* 310 (2005): 43–49.

<http://www.cnr.it/prodotto/i/39305>

info:cnr-pdr/source/autori:Iucci G., Carravetta V., Paolucci G., Goldoni A., Russo M.V., Polzonetti G./titolo:Phenylacetylene adsorption on Rh(100): a photoemission and photoabsorption investigation/

### 4)-Angular Distribution of Different Vibrational Components of the X- and B-States Reached after Resonant Auger Decay of Core-Excited H<sub>2</sub>O: Experiment and Theory

Hjelte I.; De Fanis A.; Carravetta V.; Saito N.; Kitajima M.; Tanaka H.; Yoshida H.; Hiraya A.; Koyano I.; Karlsson L.; Svensson S.; Ueda K.; Piancastelli M.N.subjectwatersubjectcore-ionizationsubjectangular-distributionsubjectexperimentsubjecttheory

*122 (2005): 84306–84315.*

<http://www.cnr.it/prodotto/i/39312>

info:cnr-pdr/source/autori:Hjelte I., De Fanis A., Carravetta V., Saito N., Kitajima M., Tanaka H., Yoshida H., Hiraya A., Koyano I., Karlsson L., Svensson S., Ueda K., Piancastelli M.N./titolo:Angular Distribution of Different Vibrational Components of the X- and B-States Reached after Resonant Auger Decay of Core-Excited H<sub>2</sub>O: Experiment and Theory/

### 5)-Constant-atomic-final-state filtering of dissociative states in the O1s->sigma\* core excitation in O<sub>2</sub>

Hjelte I.; Bjorneholm O.; Carravetta V.; Angeli C.; Cimiraglia R.; Wiesner K.; Svensson S.; Piancastelli M.N.subjectO2subjectNEXAFSSubjectresonant-Augersubjectexperimentsubjecttheory  
*123 (2005): 64314–64321.*

<http://www.cnr.it/prodotto/i/39314>

info:cnr-pdr/source/autori:Hjelte I., Bjorneholm O., Carravetta V., Angeli C., Cimiraglia R., Wiesner K., Svensson S., Piancastelli M.N./titolo:Constant-atomic-final-state filtering of dissociative states in the O1s->sigma\* core excitation in O2/

**6)-Theoretical Prediction of the Abraham Hydrogen Bond Acidity and Basicity Factors from a Reaction Field Method**

Cacelli\* I.; Campanile S.; Giolitti A.; Molin D.

*Journal of chemical information and modeling 45 (2005): 327–333.*

<http://www.cnr.it/prodotto/i/39318>

info:cnr-pdr/source/autori:Cacelli\* I., Campanile S., Giolitti A., Molin D./titolo:Theoretical Prediction of the Abraham Hydrogen Bond Acidity and Basicity Factors from a Reaction Field Method/

**7)-Global optimization of bimetallic cluster structures. I. Size-mismatched Ag-Cu, Ag-Ni, and Au-Cu systems**

Rapallo A.; Rossi G.; Ferrando R.; Fortunelli A.; Curley B. C.; Lloyd L. D.; Tarbuck G. M.; Johnston R. L.

*The Journal of chemical physics 122 (2005): 194308.*

<https://dx.doi.org/10.1063/1.1898223>

**8)-Global optimization of bimetallic cluster structures. II. Size-matched Ag-Pd, Ag-Au, and Pd-Pt systems**

Rossi G.; Ferrando R.; Rapallo A.; Fortunelli A.; Curley B. C.; Lloyd L. D.; Johnston R. L.

*The Journal of chemical physics 122 (2005): 194309.*

<https://dx.doi.org/10.1063/1.1898224>

**9)-Quantum effects on the structure of pure and binary metal nanoclusters**

Ferrando R.; Fortunelli A.; Rossi G.

*72 (2005): 085449.*

<http://www.cnr.it/prodotto/i/39342>

info:cnr-pdr/source/autori:Ferrando R., Fortunelli A., Rossi G./titolo:Quantum effects on the structure of pure and binary metal nanoclusters/

**10)-Diffusion of palladium clusters on magnesium oxide**

Barcaro G.; Fortunelli A.; Nita F.; Ferrando R.

*Physical review letters (Print) 95 (2005): 246103.*

<https://dx.doi.org/10.1103/PhysRevLett.95.246103>

**11)-The interaction of coinage metal clusters with the MgO(100) surface**

Barcaro G.; Fortunelli A.

*Journal of chemical theory and computation* 1 (2005): 972–985.

<https://dx.doi.org/10.1021/ct050073e>

**12)-Structure and dynamics of the hydrogen-bond network around (R,R)-pterocarpan with biological activity in aqueous solution**

Alagona\* Giuliano; Ghio Caterina; Monti Susanna subjectmolecular dynamicssubjectsolvation  
*109 (2005): 16918–16925.*

<http://www.cnr.it/prodotto/i/39349>

info:cnr-pdr/source/autori:Alagona\* Giuliano, Ghio Caterina, Monti Susanna/titolo:Structure and dynamics of the hydrogen-bond network around (R,R)-pterocarpan with biological activity in aqueous solution/

**13)-Computational study of conformational and chiroptical properties of (2R,3S,4R)-(+)-3,3',4,4',7-flavanpentol,**

Cappelli, C(1); Bronco, S(1); Monti, S(2) subjectconformational analysis subjectTDDFT subjectmolecular dynamicssubjectflavonoidssubjectcollagen

*Chirality (N.Y., N.Y. Print)* 17 (2005): 577–589.

<https://dx.doi.org/10.1002/chir.20210>

**14)-Environmental effects on the spectroscopic properties of gallic acid: A combined classical and quantum mechanical study**

Cappelli, C(1); Mennucci, B(2); Monti, S(3) subjectmolecular dynamicssubjectab initiosubjectpolyphenols

*109 (2005): 1933–1943.*

<http://www.cnr.it/prodotto/i/39351>

info:cnr-pdr/source/autori:Cappelli, C(1); Mennucci, B(2); Monti, S(3)/titolo:Environmental effects on the spectroscopic properties of gallic acid: A combined classical and quantum mechanical study/

**15)-Effect of the environment on vibrational infrared and circular dichroism spectra of (S)-proline**

Cappelli, C.; Monti, S.; Rizzo, A. subjectPCM subjectsolvent effectssubjectDFT subjectVCD subjectproline

*International journal of quantum chemistry* 104 (2005): 744–757.

<http://www.cnr.it/prodotto/i/39352>

info:cnr-pdr/source/autori:Cappelli, C.; Monti, S.; Rizzo, A./titolo:Effect of the environment on vibrational infrared and circular dichroism spectra of (S)-proline/

**16)-Toward the supramolecular structure of collagen: A molecular dynamics approach**

Monti, S(1); Bronco, S(2); Cappelli, C(2)subjectmolecular dynamicssubjectcollagensubjectsupramolecular structuresubjectassemblingsubjectdocking  
*The journal of physical chemistry. B 109 (2005): 11389–11398.*

<http://www.cnr.it/prodotto/i/39353>

info:cnr-pdr/source/autori:Monti, S(1); Bronco, S(2); Cappelli, C(2)/titolo:Toward the supramolecular structure of collagen: A molecular dynamics approach/

**17)-Conformation and orientation of tetraalanine in a lyotropic liquid crystal studied by nuclear magnetic resonance**

Pizzanelli S.; Monti S.; Forte C.subjectNMRsubjectMICELLEsubjectTETRAALANINEsubjectPENTADEC AFLUORO OCT ANOATE-WATER SYSTEM

*The journal of physical chemistry. B 109 (2005): 21102–21109.*

<https://dx.doi.org/10.1021/jp051797p>

**18)-Alkyl-Rhodium Transition State Stabilities as a Tool to Predict Regio- and Stereoselectivity in the Hydroformylation of Chiral Substrates**

Alagona\* G.; Ghio C.subjectRegioselectivitysubjectStereoselectivitysubjectUnmodified rhodium catalystsubjectTheoretical investigation

*Journal of organometallic chemistry (Print) 690 (2005): 2339–2350.*

<http://www.cnr.it/prodotto/i/39366>

info:cnr-pdr/source/autori:Alagona\* G., Ghio C./titolo:Alkyl-Rhodium Transition State Stabilities as a Tool to Predict Regio- and Stereoselectivity in the Hydroformylation of Chiral Substrates/

**19)-Is the Bias Introduced in an FEP Calculation by Parameterizing a QM Reaction Acceptable? Comparison with Car-Parrinello MD/AMBER Results for the Second Proton Transfer in Triosephosphate Isomerase (TIM)**

Alagona G.; Campanile S.; Ghio\* C.; Molin D.subjectCPMD/MMsubjectQM/FEPsubjectenzyme catalyssi subjecttheoretical study subjectab initio calculations

*729 (2005): 131–139.*

<http://www.cnr.it/prodotto/i/39367>

info:cnr-pdr/source/autori:Alagona G., Campanile S., Ghio\* C., Molin D./titolo:Is the Bias Introduced in an FEP Calculation by Parameterizing a QM Reaction Acceptable? Comparison with Car-Parrinello MD/AMBER Results for the Second Proton Transfer in Triosephosphate Isomerase (TIM)/

**20)-Theoretical Conformational Analysis for Neurotransmitters in the Gas Phase and in Aqueous Solution. Serotonin**

Alagona\* G.; Ghio C.; Nagy P.I.

*Journal of chemical theory and computation 1 (2005): 801–816.*

<http://www.cnr.it/prodotto/i/39368>

info:cnr-pdr/source/autori:Alagona\* G., Ghio C., Nagy P.I./titolo:Theoretical Conformational Analysis for Neurotransmitters in the Gas Phase and in Aqueous Solution. Serotonin/

**21)-A theoretical study on the factors influencing cyanine photoisomerization: the case of thiacyanine in gas phase and in methanol**

R. Improta (1); F. Santoro (2)

*Journal of chemical theory and computation 1 (2005): 215–229.*

<https://dx.doi.org/10.1021/ct049899r>

**22)-Femtosecond photoelectron spectroscopy of trans-stilbene above the reaction barrier**

C. Dietl; E. Papastathopoulos; P.Niklaus; R. Improta; F. Santoro; G. Gerber

*Chemical physics (Print) 310 (2005): 201–211.*

<http://www.cnr.it/prodotto/i/39376>

info:cnr-pdr/source/autori:C. Dietl, E. Papastathopoulos, P.Niklaus, R. Improta, F. Santoro, G. Gerber/titolo:Femtosecond photoelectron spectroscopy of trans-stilbene above the reaction barrier/

**23)-A Tiny Excited State Barrier Can Induce a Multiexponential Decay of the Retinal Chromophore: A Quantum Dynamics Investigation**

Massimo Olivucci\*; Alessandro Lami; Fabrizio Santoro\*

*Angewandte Chemie (Int. ed., Print) 44 (2005): 5118–5121.*

<https://dx.doi.org/10.1002/anie.200501236>

**24)-Excited state behavior of trans and cis isomers of stilbene and stiff-stilbene. A TD-DFT study**

R. Improta(a); F. Santoro(b)

*The journal of physical chemistry. A 109 (2005): 10058–10067.*

<https://dx.doi.org/10.1021/jp054250j>

**25)-Mechanism of atomization interference by oxygen at trace level in miniature flame hydride atomizers**

A. D'Ulivo; J. Dedina; L. Lampugnani; A. Seleckasubjectidruri  
volatilisubjectatomizzatorisubjectmeccanismi di  
reazionesubjectinterferenzesubjectspettroscopia atomica

*Spectrochimica acta. Part B, Atomic spectroscopy 60 (2005): 1270–1279.*

<https://dx.doi.org/10.1016/j.sab.2005.06.004>

**26)-Continuous flow hydride generation-atomic fluorescence spectrometric determination and speciation of arsenic in wine**

I. B. Karadjova; L. Lampugnani; M. Onor; A. D'Ulivo; D.L. Tsalevs  
subjectarsenicosubjectspeciazione  
subjectvinosubjectidruri volatilisubjectspettroscopia atomica

*Spectrochimica acta. Part B, Atomic spectroscopy 60 (2005): 816–823.*

<https://dx.doi.org/10.1016/j.sab.2005.05.008>

**27)-The mechanism of formation of volatile hydrides by tetrahydroborate(III) derivatization: a mass spectrometric study performed with deuterium labeled reagents**

A. D'Ulivo; Z. Mester; R.E. Sturgeon  
volatilisubjectboranisubjectmeccanismi di reazionesubjectspettrometria di massa

*Spectrochimica acta. Part B, Atomic spectroscopy* 60 (2005): 423–438.

<https://dx.doi.org/10.1016/j.sab.2005.03.015>

**28)-Insights into the mechanism of chemical vapor generation of transition and noble metals**

Yong-Lai Feng; Ralph E. Sturgeon; Joseph W. Lam; Alessandro D'Ulivo  
subjectmetallisubjectidruri volatilisubjectboranisubjectspettroscopia atomicasubjectmeccanismi di reazione

*Journal of analytical atomic spectrometry (Print)* 20 (2005): 255–265.

<https://dx.doi.org/10.1039/b417172a>

**29)-Mercury speciation by Liquid Chromatography Coupled with On Line Chemical Vapour Generation and Atomic Fluorescence Spectrometric Detection (LC-CVGAFS)**

E. Bramanti; C. Lomonte; M. Onor; R. Zamboni; G. Raspi; A. D'Ulivo  
subjectmercuriosubjectspeciazionesubjectcromatografiasubjectspettroscopia atomicasubjectelementi in tracce

*Talanta (Oxf.)* 66 (2005): 762–768.

<https://dx.doi.org/10.1016/j.talanta.2004.12.031>

**30)-Effect of contamination by oxygen at trace level in miniature flame hydride atomizer**

Alessandro D'Ulivo; Jiri Dedina; Leonardo Lampugnanisubjectidruri volatilisubjectatomizzatorisubjectinterferenzenesubjectmeccanismi di reazionesubjectspettroscopia atomica

*Journal of analytical atomic spectrometry (Print)* 20 (2005): 40–45.

<https://dx.doi.org/10.1039/b412571a>

**31)-An 8,500-year old bladder stone from uzzo cave (Trapani): Fourier Transform Infrared Spectroscopy Analysis**

D'Alessio A.; Bramanti E.; Piperno M.; Naccarato G.; Vergamini P.; Fornaciari G

*Archaeometry* 47 (2005): 127–136.

<http://www.cnr.it/prodotto/i/39419>

info:cnr-pdr/source/autori:D'Alessio A., Bramanti E., Piperno M., Naccarato G., Vergamini P., Fornaciari G/titolo:An 8,500-year old bladder stone from uzzo cave (Trapani): Fourier Transform Infrared Spectroscopy Analysis/

**32)-Speciation and quantitative determination of thiols by Reversed Phase Coupled with On Line Chemical Vapour Generation and Atomic Fluorescence Spectrometric Detection (RP-CVGAFS). Method validation and preliminary applications**

Emilia Bramanti; Cecilia Vecoli; Danilo Neglia; Maria Paola Pellegrini; Giorgio Raspi; Renata Barsacchi

*Clinical chemistry (Baltim. Md.)* 51 (2005): 1007–1013.

<https://dx.doi.org/10.1373/clinchem.2004.045443>

**33)-Solid State <sup>13</sup>C NMR and FT-IR Spectroscopy of the Cocoon Silk of Two Common Spiders', Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**

Emilia Bramanti; Donata Catalano; Claudia Forte; Carlo Alberto Veracini

*62 (2005): 105–111.*

<http://www.cnr.it/prodotto/i/39422>

info:cnr-pdr/source/autori:Emilia Bramanti, Donata Catalano, Claudia Forte, Carlo Alberto Veracini/titolo:Solid State <sup>13</sup>C NMR and FT-IR Spectroscopy of the Cocoon Silk of Two Common Spiders', Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy/

**34)-Atomic lithography with barium atoms**

A.Fioretti; A.Camposeo; F.Tantussi; E.Arimondo; S.Gozzini;  
C.Gabbaninisubjectlithographysubjectatomic beamsubjectnanodeposition

*Applied surface science* 248 (2005): 196–200.

<https://dx.doi.org/10.1016/j.apsusc.2005.03.001>

**35)-The Electrostatics of Einstein's Unified Field Theory**

S. Antoci; D.-E. Liebscher; L. MihichsubjectRelatività generalesubjectTeoria del campo unificato di Einsteinsubjectteoria hermitiana della relativitàsubjectsoluzioni esattesubjectelettrstatica

*General relativity and gravitation* 37 (2005): 1191–1203.

<http://www.cnr.it/prodotto/i/39433>

info:cnr-pdr/source/autori:S. Antoci, D.-E. Liebscher, L. Mihich/titolo:The Electrostatics of Einstein's Unified Field Theory/

**36)-Diode Laser Overtone Spectroscopy of CO<sub>2</sub> at 780 nm**

A.Lucchesini; S.Gozzini  
subjectspettroscopia molecolaresubjectmonitoraggio  
ambientalesubjectdiodi lasersubjectanidride carbonica

*Journal of Quantitative Spectroscopy & Radiative Transfer* 96 (2005): 289–299.

<https://dx.doi.org/10.1016/j.jqsrt.2005.03.005>

**37)-Four-component Hartree-Fock calculations of magnetic-field induced circular birefringence-Faraday effect-in noble gases and dihalogens**

Ekstroem, U.; Norman, P.; Rizzo, A.

*122 (2005): 074321–7.*

<http://www.cnr.it/prodotto/i/39466>

info:cnr-pdr/source/autori:Ekstroem, U.; Norman, P.; Rizzo, A./titolo:Four-component Hartree-Fock calculations of magnetic-field induced circular birefringence-Faraday effect-in noble gases and dihalogens/

**38)-Critical analysis of the spin-rotation constants of CF<sub>2</sub> and CCl<sub>2</sub>: a theoretical investigation**

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

*Chemical physics letters (Print)* 409 (2005): 118–123.

<http://www.cnr.it/prodotto/i/39467>

info:cnr-pdr/source/autori:Puzzarini, C.; Coriani, S.; Rizzo, A.; Gauss, J./titolo:Critical analysis of the spin-rotation constants of CF<sub>2</sub> and CCl<sub>2</sub>: a theoretical investigation/

**39)-Density-functional theory study of electric and magnetic properties of hexafluorobenzene in the vapor phase**

Rizzo, A.; Cappelli, C.; Jansik, B.; Jonsson, D.; Salek, P.; Coriani, S.; Wilson, D. J. D.; Helgaker, T. U.; Agren, H.

*122 (2005): 234314–9.*

<http://www.cnr.it/prodotto/i/39468>

info:cnr-pdr/source/autori:Rizzo, A.; Cappelli, C.; Jansik, B.; Jonsson, D.; Salek, P.; Coriani, S.; Wilson, D. J. D.; Helgaker, T. U.; Agren, H./titolo:Density-functional theory study of electric and magnetic properties of hexafluorobenzene in the vapor phase/

**40)-A computational study of some electric and magnetic properties of gaseous BF<sub>3</sub> and BCl<sub>3</sub>**

Rizzo, A.; Cappelli, C.; Junquera-Hernández, J. M.; Sánchez de Meràs, A. M.- J.; Sánchez-Marín, J.; Wilson, D. J. D.; Helgaker, T. U.

*123 (2005): 113307–11.*

<http://www.cnr.it/prodotto/i/39469>

info:cnr-pdr/source/autori:Rizzo, A.; Cappelli, C.; Junquera-Hernández, J. M.; Sánchez de Meràs, A. M.- J.; Sánchez-Marín, J.; Wilson, D. J. D.; Helgaker, T. U./titolo:A computational study of some electric and magnetic properties of gaseous BF<sub>3</sub> and BCl<sub>3</sub>/

**41)-Response theory calculations of two-photon circular dichroism**

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

*Chemical physics letters (Print)* 414 (2005): 461–467.

<http://www.cnr.it/prodotto/i/39470>

info:cnr-pdr/source/autori:Jansik, B.; Rizzo, A.; Agren, H./titolo:Response theory calculations of two-photon circular dichroism/

**42)-A Quantum mechanical Polarizable Continuum Model approach to the Kerr effect of pure liquids**

Cappelli, C.; Mennucci, B.; Cammi, R.; Rizzo, A.

*109 (2005): 18706–18714.*

<http://www.cnr.it/prodotto/i/39471>



info:cnr-pdr/source/autori:Cappelli, C.; Mennucci, B.; Cammi, R.; Rizzo, A./titolo:A Quantum mechanical Polarizable Continuum Model approach to the Kerr effect of pure liquids/

**43)-Kerr effect of molecular oxygen at  $\lambda=1064$  nm: experiment and theory**

Bielsa, F.; Battesti, R.; Robilliard, C.; Bialolenker, G.; Bailly, G.; Trè nec, G.; Rizzo, A.; Rizzo, C.

*36 (2005): 261–269.*

<http://www.cnr.it/prodotto/i/39472>

info:cnr-pdr/source/autori:Bielsa, F.; Battesti, R.; Robilliard, C.; Bialolenker, G.; Bailly, G.; Trè nec, G.; Rizzo, A.; Rizzo, C./titolo:Kerr effect of molecular oxygen at  $\lambda=1064$  nm: experiment and theory/

**44)-Birefringences: a challenge for both Theory and Experiment**

Rizzo, A.; Coriani, S.

*Advances in quantum chemistry 50 (2005): 143–184.*

<http://www.cnr.it/prodotto/i/39474>

info:cnr-pdr/source/autori:Rizzo, A.; Coriani, S./titolo:Birefringences: a challenge for both Theory and Experiment/

**45)-Reactivity of bis( $\eta^6$ -arene) derivatives of titanium, vanadium and niobium with fulvenes bearing electron-withdrawing substituents**

Lucia Calucci; Ulli Englert; Guido Pampaloni; Calogero Pinzino; Manuel Volpe

*Journal of organometallic chemistry (Print) 690 (2005): 4844–4855.*

<http://www.cnr.it/prodotto/i/39492>

info:cnr-pdr/source/autori:Lucia Calucci, Ulli Englert, Guido Pampaloni, Calogero Pinzino, Manuel Volpe/titolo:Reactivity of bis( $\eta^6$ -arene) derivatives of titanium, vanadium and niobium with fulvenes bearing electron-withdrawing substituents/

**46)-Intramolecular versus intermolecular C-H activation reaction in the thermolysis of [Ru(Me)Cp\*(PMe<sub>2</sub>Ph)<sub>2</sub>] (Cp\*= $\eta^5$ -C<sub>5</sub>Me<sub>5</sub>): formation and crystallographic characterization of [Ru(Ph)Cp\*(PMe<sub>2</sub>Ph)<sub>2</sub>]**

P. Diversi; M. Fuligni; F. Marchetti; S. Matteoni; C. Pinzino

*Journal of organometallic chemistry (Print) 690 (2005): 605–612.*

<http://www.cnr.it/prodotto/i/39493>

info:cnr-pdr/source/autori:P. Diversi, M. Fuligni, F. Marchetti, S. Matteoni, C. Pinzino/titolo:Intramolecular versus intermolecular C-H activation reaction in the thermolysis of [Ru(Me)Cp\*(PMe<sub>2</sub>Ph)<sub>2</sub>] (Cp\*= $\eta^5$ -C<sub>5</sub>Me<sub>5</sub>): formation and crystallographic characterization of [Ru(Ph)Cp\*(PMe<sub>2</sub>Ph)<sub>2</sub>]/

**47)-Determination of optical parameters of colloidal TiO<sub>2</sub> nanocrystals-based thin films by using surface plasmon resonance measurements**

M.G. Manera; G. Leo; M.L. Curri; R. Comparelli; R. Rella

(2005).

<http://www.cnr.it/prodotto/i/39497>

info:cnr-pdr/source/autori:M.G. Manera , G. Leo, M.L. Curri , R. Comparelli , R. Rella/titolo:Determination of optical parameters of colloidal TiO<sub>2</sub> nanocrystals-based thin films by using surface plasmon resonance measurements/

**48)-Localization of alpha-sarcoglycan and f-actin in human skeletal muscle by fluorescence near field optical microscopy**

Gucciardi, PG; Princi, P; Pisani, A; Favalaro, A; Cutroneo, GsubjectRECESSIVE MUSCULAR-DYSTROPHYsubjectBETA-SARCOGLYCANsubjectVINCULINsubjectnear-field microscopy

*Journal of the Korean Physical Society (Print) 47 (2005): S86–S94.*

<http://www.cnr.it/prodotto/i/39501>

info:cnr-pdr/source/autori:Gucciardi, PG; Princi, P; Pisani, A; Favalaro, A; Cutroneo, G/titolo:Localization of alpha-sarcoglycan and f-actin in human skeletal muscle by fluorescence near field optical microscopy/

**49)-Waveguide behavior of Distributed Bragg Reflectors probed by polarization-modulated near-field optical microscopy**

Gucciardi, PG; Allegrini, M; Micheletto, R; Kotani, T; Hatada, T; Kawakami, Ysubjectscanning near-field optical microscopysubjectdistributed bragg reflectorssubjectpolarization control

*Journal of the Korean Physical Society (Print) 47 (2005): S101–S108.*

<http://www.cnr.it/prodotto/i/39502>

info:cnr-pdr/source/autori:Gucciardi, PG; Allegrini, M; Micheletto, R; Kotani, T; Hatada, T; Kawakami, Y/titolo:Waveguide behavior of Distributed Bragg Reflectors probed by polarization-modulated near-field optical microscopy/

**50)-Observation of tip-to-sample heat transfer in near-field optical microscopy using metal-coated fiber probes**

Gucciardi, PG; Patane, S; Ambrosio, A; Allegrini, M; Downes, AD; Latini, G; Fenwick, O; Cacialli, FsubjectTHERMAL-CONDUCTIVITY; TEMPERATURE; LIGHT; DIFFUSIVITY; EXPANSION; POLYMER; TCNQ

*Applied physics letters 86 (2005): 203109–203111.*

<http://www.cnr.it/prodotto/i/39504>

info:cnr-pdr/source/autori:Gucciardi, PG; Patane, S; Ambrosio, A; Allegrini, M; Downes, AD; Latini, G; Fenwick, O; Cacialli, F/titolo:Observation of tip-to-sample heat transfer in near-field optical microscopy using metal-coated fiber probes/

**51)-Interferometric measurement of the tip oscillation amplitude in apertureless near-field optical microscopy**

Gucciardi, PG; Bachelier, G; Mlayah, A; Allegrini, MsubjectFORCE MICROSCOPY; RESOLUTIONsubjectSNOMsubjectAPERTURELESS

*Review of scientific instruments* 76 (2005): 036105.

<http://www.cnr.it/prodotto/i/39505>

info:cnr-pdr/source/autori:Gucciardi, PG; Bachelier, G; Mlayah, A; Allegrini, M/titolo:Interferometric measurement of the tip oscillation amplitude in apertureless near-field optical microscopy/

**52)-Optical probing of sample heating in scanning near-field experiments with apertured probes**

Latini, G; Downes, A; Fenwick, O; Ambrosio, A; Allegrini, M; Daniel, C; Silva, C; Gucciardi, PG; Patane, S; Daik, R; Feast, WJ; Cacialli, FsubjectLIGHT-EMITTING-DIODESsubjectNEAR-FIELD MICROSCOPYsubjectPOLYMERsubjectThermal effects

*Applied physics letters* 86 (2005): 011102.

<http://www.cnr.it/prodotto/i/39506>

info:cnr-pdr/source/autori:Latini, G; Downes, A; Fenwick, O; Ambrosio, A; Allegrini, M; Daniel, C; Silva, C; Gucciardi, PG; Patane, S; Daik, R; Feast, WJ; Cacialli, F/titolo:Optical probing of sample heating in scanning near-field experiments with apertured probes/

**53)-Colloidal TiO<sub>2</sub> Nanocrystals/MEH-PPV Nanocomposites: Photo(electro)chemical Study**

M. Tamborra A. Petrella; M. L. Curri; M. Striccoli; P. Cosma; P. D. Cozzoli; A. Agostiano

*The journal of physical chemistry. B* 109 (2005): 1554–1562.

<http://www.cnr.it/prodotto/i/39515>

info:cnr-pdr/source/autori:M. Tamborra A. Petrella, M. L. Curri, M. Striccoli, P. Cosma, P. D. Cozzoli, A. Agostiano/titolo:Colloidal TiO<sub>2</sub> Nanocrystals/MEH-PPV Nanocomposites: Photo(electro)chemical Study/

**54)-Magnetic induced dichroism and frequency stabilization of violet–blue diode lasers on gallium atomic transitions**

Fazio Barbara; Maragó Onofrio M.; Musso Maurizio

*Journal of the Optical Society of America. B, Optical physics* 22 (2005): 1325–1329.

<http://www.cnr.it/prodotto/i/39523>

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**55)-Cyclodextrin mediated phase transfer in water of organic capped CdS nanocrystals**

N. Depalo; R. Comparelli; M.L. Curri; M. Striccoli; A. Agostiano

*Synthetic metals* 148 (2005): 43–46.

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**56)-A Mean Field Analysis of the O-H Stretching Raman Spectra in Methanol/Carbon Tetrachloride Mixtures**

Fazio B.; Pieruccini M.; Vasi C.

*The journal of physical chemistry. B* 109 (2005): 16075–16080.

<http://www.cnr.it/prodotto/i/39525>

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**57)-Dynamics of a pulsed laser generated tin plasma expanding in an oxygen atmosphere**

Barreca F.; Fazio E.; Neri F.; Barletta E.; Trusso S.; Fazio B.subjectLaser-generated plasma;SnOx filmssubjectLaser ablationsubjectThin Films

*Radiation effects and defects in solids (Print)* 160 (2005): 647.

<https://dx.doi.org/10.1080/10420150500493154>

**58)-Gas pressure effects on the structure of CNx thin films deposited by laser ablation**

Barreca F.; Fazio E.; Neri F.; Barletta E.; Trusso S.; Fazio B.subjectCNx filmssubjectLaser ablationsubjectFilm deposition

*Radiation effects and defects in solids (Print)* 160 (2005): 601.

<https://dx.doi.org/10.1080/10420150500493048>

**59)-Influence of cardiolipin on the functionality of the QA site of the photosynthetic bacterial reaction center**

Mauro Giustini 1; Francesco Castelli 1; Ivan Husu 1; Marcello Giomini 1; Antonia Mallardi 2; Gerardo Palazzo 3.

*The journal of physical chemistry. B* 109 (2005): 21187–21196.

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**60)-Multiple scattering X-ray absorption studies of Zn<sup>2+</sup> binding sites in bacterial photosynthetic reaction centers**

L. Giachini; F. Francia; A. Mallardi; G. Palazzo; E. Carpenè; F. Boscherini; G. Venturoli

*Biophysical journal (Print)* 88 (2005): 2038–2046.

<http://www.cnr.it/prodotto/i/39537>

info:cnr-pdr/source/autori:L. Giachini, F. Francia, A. Mallardi, G. Palazzo, E. Carpenè, F. Boscherini and G. Venturoli/titolo:Multiple scattering X-ray absorption studies of Zn<sup>2+</sup> binding sites in bacterial photosynthetic reaction centers/

**61)-Efficient charge storage in photoexcited TiO<sub>2</sub> nanorod-noble metal nanoparticle composite systems{**

P. Davide Cozzoli; M. Lucia Curri; Angela Agostiano

*Chemical communications (Lond., 1996, Print)* (2005): 3186–3188.

<http://www.cnr.it/prodotto/i/39556>

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**62)-Trapping of a long-living charge separated state of photosynthetic Reaction Centers in proteoliposomes of negatively charged phospholipids**

Agostiano, A.; Milano, F.; Trotta, M.

*Photosynthesis research (Print)* 83 (2005): 53–61.

<https://dx.doi.org/10.1007/s11120-004-3197-6>

**63)-Phase diagram of the Gaussian-core model**

S. Prestipino; F. Saija; P. V. Giaquinta  
subjectGaussian-core model  
subjectSolid-liquid phase transition  
subjectSolid-solid phase transition  
subjectFrenkel-Ladd method  
subjectSelf-avoiding polymers

*Physical review. E, Statistical, nonlinear, and soft matter physics (Print)* 71 (2005): 050102.

<https://dx.doi.org/10.1103/PhysRevE.71.050102>

**64)-Amphiphilic Cyclodextrin Carriers Embedding Porphyrins: Charge and Size Modulation of Colloidal Stability in Heterotopic Aggregates**

Antonino Mazzaglia; Nicola Angelini; Domenico Lombardo; Norberto Micali; Salvatore Patane; Valentina Villari; Luigi Monsu Scolaro

*The journal of physical chemistry. B* 109 (2005): 7258–7265.

<https://dx.doi.org/10.1021/jp0501998>

**65)-Reentrant melting in the Gaussian-core model: The entropy imprint**

P. V. Giaquinta; F. Saija

*ChemPhysChem (Print)* 6 (2005): 1768–1771.

<https://dx.doi.org/10.1002/cphc.200400565>

**66)-Aggregation Behavior of Tetrakis(4-sulfonatophenyl)porphyrin in AOT/Water/Decane Microemulsions**

Maria Angela Castriciano; Andrea Romeo; Valentina Villari; Nicola Angelini; Norberto Micali; Luigi Monsù Scolaro  
subjectTime resolved fluorescence; Disperse systems; micellar solutions

*The journal of physical chemistry. B* 109 (2005): 12086–12092.

<https://dx.doi.org/10.1021/jp0508960>

**67)-High pressure phase diagram of an exp-6 fluid: The case of Xe**

F. Saija; S. Prestipino  
subjectSolid-liquid transitions  
subjectsolid-solid phase transition  
subjectFrenkel-Ladd method  
subjectXenon phase diagram

*Physical review. B, Condensed matter and materials physics* 72 (2005): 024113.

<https://dx.doi.org/10.1103/PhysRevB.72.024113>

**68)-Phase diagram of softly repulsive systems: The Gaussian and inverse-power-law model potentials**

S. Prestipino; F. Saija; P. V. Giaquinta  
subject Gaussian-core model  
subject inverse-power-law potential  
subject liquid-solid phase transition  
subject solid-solid phase transition  
subject Frenkel-Ladd method

*The Journal of chemical physics* 123 (2005): 144110.

<https://dx.doi.org/10.1063/1.2064639>

**69)-Uncharged Water-Soluble Co(II)-Porphyrin: A Receptor for Aromatic alpha-Amino Acids**

Nicola Angelini; Norberto Micali; Placido Mineo; Emilio Scamporrino; Valentina Villari; Daniele Vitalini  
subject 61.25.H-; 87.85.fk; 87.15.B-; 81.05.Lg

*The journal of physical chemistry. B* 109 (2005): 18645–18651.

<https://dx.doi.org/10.1021/jp052408u>

**70)-The rutin/beta-cyclodextrin interactions in fully aqueous solution: spectroscopic studies and biological assays**

M.L. Calabrò; S. Tommasini; P. Donato; R. Stancanelli; D. Raneri; S. Catania; C. Costa; V. Villari; P. Ficarra; R. Ficarra  
subject cyclodextrin; 1H NMR; Uv-vis; CD; binding constant; solubility measurements

*Journal of pharmaceutical and biomedical analysis (Print)* 36 (2005): 1019–1027.

<https://dx.doi.org/10.1016/j.jpba.2004.09.018>

**71)-The inclusion complexes of hesperetin and its 7-rhamnoglucoside with (2-hydroxypropyl)-beta-cyclodextrin**

S. Tommasini; M.L. Calabrò; R. Stancanelli; P. Donato; C. Costa; S. Catania; V. Villari; P. Ficarra; R. Ficarra  
subject cyclodextrin  
subject UV-vis spectroscopy  
subject Fluorescence spectroscopy

*Journal of pharmaceutical and biomedical analysis (Print)* 39 (2005): 572–580.

<https://dx.doi.org/10.1016/j.jpba.2005.05.009>

**72)-Light scattering enhancement in an aqueous solution of spermine-induced fractal J-Aggregate composite**

Norberto Micali; Valentina Villari; Luigi Monsù Scolaro; Andrea Romeo; Maria Angela Castriciano

*Physical review. E, Statistical, nonlinear, and soft matter physics (Print)* 72 (2005): 504011.

<https://dx.doi.org/10.1103/PhysRevE.72.050401>

**73)-Unusual optical properties of porphyrin fractal J-aggregates**

Luigi Monsù Scolaro; Andrea Romeo; Maria Angela Castriciano; Norberto Micali  
*Chemical communications (Lond., 1996, Print)* (2005): 3018–3020.

<https://dx.doi.org/10.1039/b501083g>

**74)-Automatic low-cost data acquisition from old polarimetric instruments**

G. Alibrandi; S. D'Aliberti; S. Coppolino; A. Villari; N. Micali

*Journal of chemical education* 82 (2005): 442–444.

<http://www.cnr.it/prodotto/i/39598>

info:cnr-pdr/source/autori:G. Alibrandi, S. D'Aliberti, S. Coppolino, A. Villari, N. Micali/titolo:Automatic low-cost data acquisition from old polarimetric instruments/

**75)-Reaction centers in lipids**

Dorogi, Marta; Milano, Francesco; Szebenyi, Kornelia; Varo, Gyorgy; Giotta, Livia; Trotta, Massimo; Agostiano, Angela; Maroti, Peter; Nagy, Laszlosubjectlipidssubjectreaction centers  
*Acta biologica Szegediensis (Print)* 49 (2005): 195–197.

<http://www.cnr.it/prodotto/i/39607>

info:cnr-pdr/source/autori:Dorogi, Marta; Milano, Francesco; Szebenyi, Kornelia; Varo, Gyorgy; Giotta, Livia; Trotta, Massimo; Agostiano, Angela; Maroti, Peter; Nagy, Laszlo/titolo:Reaction centers in lipids/

**76)-Expression and localization of myotonic dystrophy protein kinase in human skeletal muscle cells determined with a novel antibody: Possible role of the protein in cytoskeleton rearrangements during differentiation**

Beffy P.; Barsanti C.; Del Carratore R.; Simi S.; Benedetti P.A.; Benzi L.; Prella A.; Ciscato P.; Simili M.

*Cell biology international (Print)* 29 (2005): 742–753.

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**77)-SMC1 involvement in fragile site expression. Human Molecular Genetics**

Musio A.; Montagna C.; Mariani T.; Tilenni M.; Focarelli M.L.; Brait L.; Indino E.; Benedetti P.A.; Chessa L.; Albertini A.; Ried T.; Vezzoni P.

*Human molecular genetics (Print)* 14-4 (2005): 525–533.

<http://www.cnr.it/prodotto/i/39628>

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**78)-Altered Centrosomes in Ataxia-Telangiectasia Cells and Rapamycin-Treated Chinese Hamster Cells**

Bonatti S.; Simili M.; Benedetti P.A.; Morandi P.; Menichini P.; Del Carratore R. Barale R.; Abbondandolo A.

*Environmental and molecular mutagenesis (Print)* 46 (2005): 164–173.

<http://www.cnr.it/prodotto/i/39629>

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**79)-2H-NMR of the induced chiral phases of acrylate-methacrylate liquid crystalline copolymers**

Barmatov, Evgueni; Calucci, Lucia; Catalano, Donata; Chiezzi, Leonardo; Veracini, Carlo Alberto; Fodor-Csorba, Katalin/subjectliquid crystallinecholestericsubjectnematicsubjectdeuterium nmrsubjectpolymers  
*429 (2005): 181–191.*

<http://www.cnr.it/prodotto/i/39639>

info:cnr-pdr/source/autori:Barmatov, Evgueni; Calucci, Lucia; Catalano, Donata; Chiezzi, Leonardo; Veracini, Carlo Alberto; Fodor-Csorba, Katalin/titolo:2H-NMR of the induced chiral phases of acrylate-methacrylate liquid crystalline copolymers/

**80)-Ultrasonic relaxations, anharmonicity, and fragility in lithium borate glasses**

Carini G.; Carini G.; D'Angelo G.; Tripodo G.; Bartolotta A.; Salvato G.subjectanharmonicitysubjectfragilitysubjectglasses  
*Physical review. B, Condensed matter and materials physics 72 (2005): 1–10.*

<https://dx.doi.org/10.1103/PhysRevB.72.014201>

**81)-Electronic core levels of layered  $\text{Li}_2\text{xMn}_{1-x}\text{PS}_3$  film**

Letteria Silipigni; Vincenzo Grasso; Giovanna De Luca; Luigi Monsù Scolaro; Gabriele Salvato/subjectlithium compoundsubjectmanganese compoundsubjectthin filmsubjectX-ray photoelectron spectrasubjectintercalation compounds  
*Journal of applied physics 98 (2005): 043307.*

<https://dx.doi.org/10.1063/1.2008352>

**82)-X-ray photoelectron spectroscopy characterization of the layered intercalated compound  $\text{K}_2\text{xMn}_{1-x}\text{PS}_3$**

Silipigni L.; Di Marco G.; Salvato G.; V. Grasso VsubjectLayered intercalation materialsubjectPotassium intercalated compoundsubjectXPS spectra  
*Applied surface science 252 (2005): 1998–2005.*

<https://dx.doi.org/10.1016/j.apsusc.2005.03.167>

**83)-Orientational dynamics in the isotropic phase of a calamitic liquid-crystal model**

D. Bertolini; G. Cinacchi; L. De Gaetani; A. Tanisubjectliquid crystalsubjectisotropic phasesubjectorientational correlationsubjectmolecular dynamics  
*109 (2005): 24480–24488.*

<http://www.cnr.it/prodotto/i/39715>



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**84)-Relaxation processes in room temperature ionic liquids: the case of 1-butyl-3-methyl imidazolium hexafluorophosphate**

A. Triolo<sup>1</sup>; O. Russina<sup>2</sup>; C. Hardacre<sup>3</sup>; M. Nieuwenhuyzen<sup>3</sup>; M. A. Gonzalez<sup>4</sup>; H. Grimm<sup>5</sup>

*The journal of physical chemistry. B* 109 (2005): 22061–22066.

<https://dx.doi.org/10.1021/jp053355j>

**85)-Molecular orientation in ultrathin films of alpha-sexithiophene on silicon dioxide revealed by spatially resolved confocal spectroscopy**

E. Da Como; M. A. Loi; F. Dinelli; M. Murgia; F. Biscarini; R. Zamboni; M. Muccini

*Synthetic metals* 155 (2005): 287.

<http://www.cnr.it/prodotto/i/39734>

info:cnr-pdr/source/autori:E. Da Como, M. A. Loi, F. Dinelli, M. Murgia, F. Biscarini, R. Zamboni, M. Muccini/titolo:Molecular orientation in ultrathin films of alpha-sexithiophene on silicon dioxide revealed by spatially resolved confocal spectroscopy/

**86)-Nanowear of polystyrene surfaces: molecular entanglement and bundle formation**

F. Dinelli; P. H. Shipway; G. J. Leggett

*Nanotechnology (Bristol. Print)* 16 (2005): 675.

<http://www.cnr.it/prodotto/i/39735>

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**87)-Supra-molecular organization in ultra-thin films of a-sexithiophene on silicon dioxide**

M. A. Loi; E. Da Como; F. Dinelli; M. Murgia; R. Zamboni; F. Biscarini; M. Muccini

*Nature materials (Print)* (2005): 81.

<http://www.cnr.it/prodotto/i/39736>

info:cnr-pdr/source/autori:M. A. Loi, E. Da Como, F. Dinelli, M. Murgia, R. Zamboni, F. Biscarini, M. Muccini/titolo:Supra-molecular organization in ultra-thin films of a-sexithiophene on silicon dioxide/

**88)-Going to the limit of NSE**

C. Pappas; F. Mezei; A. Triolo; R. Zorn

*356* (2005): 206–212.

<http://www.cnr.it/prodotto/i/39741>

info:cnr-pdr/source/autori:C. Pappas, F. Mezei, A. Triolo and R. Zorn/titolo:Going to the limit of NSE/

**89)-Characterization of a collinear double pulse Laser-Induced Plasma at several ambient gas pressures by spectrally- and time-resolved imaging**

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

*Applied physics. B, Lasers and optics (Print) 80 (2005): 559–568.*

<https://dx.doi.org/10.1007/s00340-005-1758-9>

**90)-Effect of Laser-Induced Crater Depth in Laser-Induced Breakdown Spectroscopy Emission Features**

M. Corsi; G. Cristoforetti; M. Hidalgo; D. Iriarte; S. Legnaioli; V. Palleschi; A. Salvetti; E. Tognoni

*Applied spectroscopy 59 (2005): 853–860.*

<http://www.cnr.it/prodotto/i/39778>

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**91)-Authors reply to Wen et al. comment**

M. Corsi; G. Cristoforetti; M. Hidalgo; S. Legnaioli; V. Palleschi; A. Salvetti; E. Tognoni; C. Vallebona

*Spectrochimica acta. Part B, Atomic spectroscopy 60 (2005): 872–875.*

<http://www.cnr.it/prodotto/i/39779>

info:cnr-pdr/source/autori:M. Corsi, G. Cristoforetti, M. Hidalgo, S. Legnaioli, V. Palleschi, A. Salvetti, E. Tognoni and C. Vallebona/titolo:Authors reply to Wen et al. comment/

**92)-Evaluation of Self-Absorption Coefficients of Aluminum Emission Lines in Laser-Induced Breakdown Spectroscopy Measurements**

A. El Sherbini; Th. El Sherbini; H. Hegazy; G.Cristoforetti; S.Legnaioli; V.Palleschi; L.Pardini; A.Salvetti; E. Tognoni

*Spectrochimica acta. Part B, Atomic spectroscopy 60 (2005): 1573–1579.*

<http://www.cnr.it/prodotto/i/39780>

info:cnr-pdr/source/autori:A. El Sherbini, Th. El Sherbini, H. Hegazy, G.Cristoforetti, S.Legnaioli, V.Palleschi, L.Pardini, A.Salvetti and E. Tognoni/titolo:Evaluation of Self-Absorption Coefficients of Aluminum Emission Lines in Laser-Induced Breakdown Spectroscopy Measurements/

**93)-Structure formation in poly(ethylene terephthalate)upon annealing as revealed by microindentation hardness and X-ray scattering**

A. Flores; M. Pieruccini; N. Stribeck; S.S. Funari; E. Bosch; F.J. Baltá Callejas  
subjectPolyethyleneterephthalatesubjectMicrohardnesssubjectElastic modulus

*Polymer (Guildford) 46 (2005): 9404–9410.*

<https://dx.doi.org/10.1016/j.polymer.2005.07.033>

**94)-Correlation between <sup>1</sup>H FID and T<sub>1</sub>rho components in heterogeneous polymer systems: an application to SBS**

Valentina Ferrini; Claudia Forte; Marco Geppi; Silvia Pizzanelli; Carlo Alberto Veracini

*Solid state nuclear magnetic resonance 27 (2005): 215–222.*

<http://www.cnr.it/prodotto/i/39794>

info:cnr-pdr/source/autori:Valentina Ferrini, Claudia Forte, Marco Geppi, Silvia Pizzanelli, Carlo Alberto Veracini/titolo:Correlation between  $^1\text{H}$  FID and  $\text{T}1\rho$  components in heterogeneous polymer systems: an application to SBS/

**95)-Axially open nonradiative structures: An example of single-mode resonator**

Annino G.; Cassettari M.; Martinelli M.subjectOpen resonatorssubjectNonradiative structuressubjectSingle-mode resonatorssubjectMillimeter wavelengthssubjectTE011 mode  
*Review of scientific instruments* 76 (2005): 084702.

<http://www.cnr.it/prodotto/i/39811>

info:cnr-pdr/source/autori:Annino G., Cassettari M., Martinelli M./titolo:Axially open nonradiative structures: An example of single-mode resonator/

**96)-Open nonradiative cavities as millimeter wave single-mode resonators**

Annino G.; Cassettari M.; Martinelli M.subjectNonradiative cavitiessubjectsingle-mode resonatorssubjectMillimeter wavelengthssubjectTE011 mode  
*Review of scientific instruments* 76 (2005).

<https://dx.doi.org/10.1063/1.1929607>

**97)-High frequency single-mode resonators for EPR spectroscopy enabling rotations of the sample about two orthogonal axes**

Annino G.; Cassettari M.; Fittipaldi M.; Martinelli M.subjectNonradiative resonatorssubjectsingle-mode resonancesubjectMillimeter wavelengthssubjectTwo-axis rotationssubjectSingle-crystal study

*Journal of magnetic resonance (San Diego, Calif., 1997 : Print)* 176 (2005): 37–46.

<http://www.cnr.it/prodotto/i/39813>

info:cnr-pdr/source/autori:Annino G., Cassettari M., Fittipaldi M., Martinelli M./titolo:High frequency single-mode resonators for EPR spectroscopy enabling rotations of the sample about two orthogonal axes/

**98)-Intrinsic limit of dielectric loss in several  $\text{Ba}(\text{B}^{1/3}\text{B}^{2/3})\text{O}_3$  ceramics revealed by the whispering-gallery mode technique**

Kolodiazhnyi T.; Annino G.; Shimada T.subjectMillimeter wavelengthssubjectDielectric lossessubjectCeramic materialssubjectWhispering gallery modessubjectDielectric resonators  
*Applied physics letters* 87 (2005): 212908.

<http://www.cnr.it/prodotto/i/39816>

info:cnr-pdr/source/autori:Kolodiazhnyi T., Annino G., Shimada T./titolo:Intrinsic limit of dielectric loss in several  $\text{Ba}(\text{B}^{1/3}\text{B}^{2/3})\text{O}_3$  ceramics revealed by the whispering-gallery mode technique/

**99)-Nickel-Doped ( $\text{Zr}_{0.8}\text{Sn}_{0.2}$ ) $\text{TiO}_4$  for Microwave and Millimeter Wave Applications**

Ioachim A.; Banciu M.G.; Toacsan M.I.; Nedelcu L.; Ghetu D.; Alexandru H.V.; Stoica G.; Annino G.; Cassettari M.; Martinelli M.subjectHigh dielectric constantssubjectDielectric resonatorsubjectMicrowavessubjectMillimeter-waves  
*118 (2005): 205–209.*

<http://www.cnr.it/prodotto/i/39821>

info:cnr-pdr/source/autori:Ioachim A., Banciu M.G., Toacsan M.I., Nedelcu L., Ghetu D., Alexandru H.V., Stoica G., Annino G., Cassettari M., Martinelli M./titolo:Nickel-Doped (Zr0.8, Sn0.2)TiO4 for Microwave and Millimeter Wave Applications/

#### **100)-Heat capacity of water in nanopores**

Tombari E; Salvetti G; Ferrari C; Johari GPsubjectglasssubjectice  
*The Journal of chemical physics 123 (2005): 214706.*

<https://dx.doi.org/10.1063/1.2131063>

#### **101)-Position-dependent energy of molecules in nano-confined water**

Tombari E; Salvetti G; Ferrari C; Johari GPsubjectHEAT-CAPACITYsubjectRELAXATIONsubjectGLASSsubjectSTATE  
*PCCP. Physical chemistry chemical physics (Print) 7 (2005): 3407–3411.*

<http://www.cnr.it/prodotto/i/39824>

info:cnr-pdr/source/autori:Tombari E, Salvetti G, Ferrari C, Johari GP/titolo:Position-dependent energy of molecules in nano-confined water/

#### **102)-Endothermic freezing on heating and exothermic melting on cooling**

Tombari E; Ferrari C; Salvetti G; Johari GPsubjectheat capacitysubjectglass  
*The Journal of chemical physics 123 (2005): 051104.*

<https://dx.doi.org/10.1063/1.2000228>

#### **103)-Thermodynamic functions of water and ice confined to 2 nm radius pores**

Tombari E.; Salvetti G.; Ferrari C.; Johari G.P.subjectPOROUS VYCOR GLASSsubjectX-RAY-DIFFRACTIONsubjectNEUTRON-DIFFRACTIONsubjectPHASE-TRANSITIONSsubjectSIZE DEPENDENCE  
*The Journal of chemical physics 122 (2005).*

<https://dx.doi.org/10.1063/1.1862244>

#### **104)-Multifrequency electron paramagnetic resonance of Ce<sup>3+</sup> in the Gd(HBPz<sub>3</sub>)<sub>2</sub> tropolonate complex: high-field effects.**

F.F. Popescu; M. Martinelli; C.A. Massa; L.A. Pardi; V. BercusubjectHigh FieldssubjectEPRsubjectZero Field SplittingsubjectMolecular MagnetismsubjectMagnetic REsonance

*17 (2005): 5563–5575.*

<http://www.cnr.it/prodotto/i/39832>

info:cnr-pdr/source/autori:F.F. Popescu; M. Martinelli; C.A. Massa; L.A. Pardi; V. Bercu/titolo:Multifrequency electron paramagnetic resonance of Ce<sup>3+</sup> in the Gd(HBPz<sub>3</sub>)<sub>2</sub> tropolonate complex: high-field effects./

**105)-The Onset of the Fast Dynamics in Glassy Polystyrene Observed by the Detrapping of Guest Molecules: a High-Field Electron Paramagnetic Resonance Study.**

Bercu, V.; Martinelli, M.; Massa, C.A.; Pardi, L.A.; Leporini, D.subjectPolymerssubjectdinamicssubjectEPRsubjectHigh fieldssubjectSpin label  
*Europhysics letters (Print)* 72 (2005): 590–596.

<http://www.cnr.it/prodotto/i/39834>

info:cnr-pdr/source/autori:Bercu, V.; Martinelli, M.; Massa, C.A.; Pardi, L.A.; Leporini, D./titolo:The Onset of the Fast Dynamics in Glassy Polystyrene Observed by the Detrapping of Guest Molecules: a High-Field Electron Paramagnetic Resonance Study./

**106)-Signatures of the Fast Dynamics in Glassy Polystyrene: First Evidence by High-Field Electron Paramagnetic Resonance of Molecular Guests.**

Bercu, V.; Martinelli, M.; Massa, C.A.; Pardi, L.A.; Leporini, D.subjectPolystyrenesubjectSpin LabelssubjectDynamicssubjectPolymerssubjectGlass  
*Journal of chemical physics online* 123 (2005): 88–92.

<http://www.cnr.it/prodotto/i/39837>

info:cnr-pdr/source/autori:Bercu, V.; Martinelli, M.; Massa, C.A.; Pardi, L.A.; Leporini, D./titolo:Signatures of the Fast Dynamics in Glassy Polystyrene: First Evidence by High-Field Electron Paramagnetic Resonance of Molecular Guests./

**107)-Delocalization of Spin Projection in Weak Exchange Linear Chains, Evidenced by Multi-Frequency Hf-Epr Spectroscopy.**

Popescu, F.F.; Martinelli, M.; Massa, C.A.; Pardi, L.A.; Bercu, VsubjectEPRsubjectMagnetic InteractionssubjectMagnetic ResonancesubjectRare EarthsubjectLinear Chain  
*Magnetic resonance in chemistry (Print)* 43 (2005): S215–S220.

<http://www.cnr.it/prodotto/i/39839>

info:cnr-pdr/source/autori:Popescu, F.F. ; Martinelli, M.; Massa, C.A.; Pardi, L.A.; Bercu, V/titolo:Delocalization of Spin Projection in Weak Exchange Linear Chains, Evidenced by Multi-Frequency Hf-Epr Spectroscopy./

**108)-Time resolved imaging studies of the plasma produced by laser ablation of silicon in O-2/Ar atmosphere**

Trusso S.; Barletta E.; Barreca F.; Fazio E.; Neri F.subjectLaser AblationsubjectPlasma SpectroscopysubjectThin solid filmssubjectSiOxsubjectShock wave  
*Laser and particle beams (Print)* 23 (2005): 149–153.

<https://dx.doi.org/10.1017/S026303460505024X>

**109)-Investigation of a nanocrystalline silicon phase embedded in SiOx thin films grown by pulsed laser deposition**

Fazio E.; Barletta E.; Barreca F.; Neri F.; Trusso S.subjectSTRUCTURAL-PROPERTIESsubjectTHIN FILMSsubjectLASER ABLATION  
*Journal of vacuum science & technology. B, Microelectronics and nanometer structures* 23 (2005): 519–524.

<https://dx.doi.org/10.1116/1.1880252>

**110)-Numerical Simulations of Fast Magnetosonic Waves in a Curved Coronal Loop**

Murawski K.; Selwa M.; Nocera L.subjectSunsubjectsolar coronasubjectMHD oscillations  
*Astronomy & astrophysics (Print)* 437 (2005): 687–690.

<https://dx.doi.org/10.1051/0004-6361:20052714>

**111)-Superposition of Phase-Space Hole Streets in Vlasov Plasmas**

Fijalkow E.; Nocera L.subjectplasmassubjectVlasov-equationsubjectBGK-wavessubjectnumerical-mehods

*Journal of plasma physics (Print)* 71 (2005): 401–410.

<https://dx.doi.org/10.1017/S0022377804003368>

**112)-A detailed spectroscopic study of an Italian fresco**

G. Barone; D. Barilaro; V. Crupi; D. Majolino; R. Ponterio

*Journal of applied physics* 97 (2005).

<https://dx.doi.org/10.1063/1.1849427>

**113)-Structural Relaxation Processes in Polyethylene Glycol/CCl<sub>4</sub> Solutions by Brillouin Scattering**

Pochylski M.; Aliotta F.; Blaszczyk Z.; Gapinski J.

*The journal of physical chemistry. B* 109 (2005): 4181–4188.

<https://dx.doi.org/10.1021/jp045130z>

**114)-Epoxy-silica polymers as stone conservation materials**

Cardiano P.; Ponterio R.; Sergi S.; Lo Schiavo S.; Piraino P.

*Polymer (Guildford)* 46 (2005).

<https://dx.doi.org/10.1016/j.polymer.2005.01.002>

**115)-Spectroscopic techniques applied to the characterization of decorated potteries from Caltagirone (Sicily, Italy)**

Barilaro D.; Barone G.; Crupi V.; Donato M.G.; Majolino D.; Messina G.; Ponterio R.  
744 (2005).

<http://www.cnr.it/prodotto/i/39867>

info:cnr-pdr/source/autori:Barilaro D., Barone G., Crupi V., Donato M.G., Majolino D., Messina G., Ponterio R./titolo:Spectroscopic techniques applied to the characterization of decorated potteries from Caltagirone (Sicily, Italy)/

- 116)-“Low-dimensional chainlike assemblies of TiO<sub>2</sub> nanorod-stabilized Au nanoparticles”**  
P.D. Cozzoli; E. Fanizza; M. L. Curri; D. Laub; A. Agostiano  
*Chemical communications (Lond., 1996, Print) (2005): 942–944.*  
<http://www.cnr.it/prodotto/i/39879>  
info:cnr-pdr/source/autori:P.D. Cozzoli, E. Fanizza, M. L. Curri, D. Laub, A. Agostiano/titolo:“Low-dimensional chainlike assemblies of TiO<sub>2</sub> nanorod-stabilized Au nanoparticles”/
- 117)-Detailed characterization of the early X-ray emission of a plasma produced by point-like laser irradiation of solid Al targets**  
L. Labate; C.A. Cecchetti; M. Galimberti; A. Giuliatti; D. Giuliatti; L.A. Gizzi  
*Physics of plasmas 12 (2005): 083101.*  
<http://www.cnr.it/prodotto/i/39894>  
info:cnr-pdr/source/autori:L. Labate, C.A. Cecchetti, M. Galimberti, A. Giuliatti, D. Giuliatti, L.A. Gizzi/titolo:Detailed characterization of the early X-ray emission of a plasma produced by point-like laser irradiation of solid Al targets/
- 118)-Quantitative analysis of thin samples by differential absorption imaging using a laser-plasma soft X-ray source**  
P. Köster; M. Galimberti; A. Giuliatti; D. Giuliatti; L.A. Gizzi; L. Labate; S. Laville; E. Suárez Garcia  
*80 (2005): 897.*  
<http://www.cnr.it/prodotto/i/39895>  
info:cnr-pdr/source/autori:P. Köster, M. Galimberti, A. Giuliatti, D. Giuliatti, L.A. Gizzi, L. Labate, S. Laville, E. Suárez Garcia/titolo:Quantitative analysis of thin samples by differential absorption imaging using a laser-plasma soft X-ray source/
- 119)-SHEEBA: a spatial high energy electron beam analyzer**  
M. Galimberti; A. Giuliatti; D. Giuliatti; L.A. Gizzi  
*Review of scientific instruments 76 (2005): 053303.*  
<http://www.cnr.it/prodotto/i/39896>  
info:cnr-pdr/source/autori:M. Galimberti, A. Giuliatti, D. Giuliatti, L.A. Gizzi/titolo:SHEEBA: a spatial high energy electron beam analyzer/
- 120)-Thomson Backscattering X-rays from ultrarelativistic electron bunches and temporally shaped laser pulses**  
P. Tomassini; A. Giuliatti; D. Giuliatti; L.A. Gizzi  
*Applied physics. B, Lasers and optics (Print) 80 (2005): 419–436.*  
<https://dx.doi.org/10.1007/s00340-005-1757-x>
- 121)-The laser-matter interaction meets the high-energy physics: laser-plasma accelerators and X/gamma-ray sources**  
D. Giuliatti; M. Galimberti; A. Giuliatti; L.A. Gizzi; L. Labate; P. Tomassini

*Laser and particle beams (Print) 23 (2005): 309.*

<http://www.cnr.it/prodotto/i/39898>

info:cnr-pdr/source/autori:D. Giulietti, M. Galimberti, A. Giulietti, L.A. Gizzi, L. Labate, P. Tomassini/titolo: The laser-matter interaction meets the high-energy physics: laser-plasma accelerators and X/gamma-ray sources/

**122)-Differential absorption imaging for elemental analysis of thin samples using a soft laser-plasma X-ray source**

S. Laville; L.A. Gizzi; P. Köster; L. Labate

*538 (2005): 738.*

<http://www.cnr.it/prodotto/i/39899>

info:cnr-pdr/source/autori:S. Laville, L.A. Gizzi, P. Köster, L. Labate/titolo:Differential absorption imaging for elemental analysis of thin samples using a soft laser-plasma X-ray source/

**123)-Models of pesticides inside the cavities of molecular dimensions. A role of the guest inclusion in the dechlorination process**

Hromadova, M; Pospisil, L; Fanelli, N; Giannarelli, SsubjectBETA-CYCLODEXTRINsubjectELECTROCHEMICAL REDUCTIONsubjectGAMMA-CYCLODEXTRINsubjectALPHA-CYCLODEXTRINsubjectPROCYMIDONE

*Langmuir 21 (2005): 1923–1930.*

<https://dx.doi.org/10.1021/la048021k>

**124)-PHOTOCATALYTIC DEGRADATION OF AZO DYES BY ORGANIC-CAPPED ANATASE TiO<sub>2</sub> NANOCRYSTALS IMMOBILIZED ONTO SUBSTRATES**

COMPARELLI R.; FANIZZA E.; CURRI M.L.; COZZOLI P.D.; MASCOLO G.; PASSINO R.; AGOSTIANO A.subjectOrganic-capped nanocrystals; TiO<sub>2</sub>; UV-induced photocatalysis; Azo dyes

*Applied catalysis. B, Environmental (Print) 55 (2005): 81–91.*

<https://dx.doi.org/10.1016/j.apcatb.2004.07.011>

**125)-Quantum effects on the structure of pure and binary metal nanoclusters**

Ferrando R.; Fortunelli A.; Rossi G.

*Virtual journal of nanoscale science & technology 12 (2005).*

<http://www.cnr.it/prodotto/i/66387>

info:cnr-pdr/source/autori:Ferrando R., Fortunelli A., Rossi G./titolo:Quantum effects on the structure of pure and binary metal nanoclusters/

**126)-La fabbrica inquinata**

R. Pagliarulo; R. Trizzino; M. Trotta; S. Valletta

*36 (2005): 15–18.*

<http://www.cnr.it/prodotto/i/66393>



info:cnr-pdr/source/autori:R. Pagliarulo, R. Trizzino, M. Trotta, S. Valletta/titolo:La fabbrica inquinata/

**127)-Small angle scattering study of poly(methylmethacrylate)-block-poly(ethylene oxide) block co-polymer in aqueous solution**

R. Triolo; F. Lo Celso; V. Benfante; A. Triolo; A. Wiedenmann; S. Bernstorff  
*130 (2005): 79.*

<http://www.cnr.it/prodotto/i/66395>

info:cnr-pdr/source/autori:R. Triolo, F. Lo Celso, V. Benfante, A. Triolo, A. Wiedenmann and S. Bernstorff/titolo:Small angle scattering study of poly(methylmethacrylate)-block-poly(ethylene oxide) block co-polymer in aqueous solution/

**128)-Archaeometric analysis of ancient copper manufacts by Laser Induced Breakdown Spectroscopy technique**

Corsi; M. (a); Cristoforetti; G. (a); Giuffrida; M. (a); Hidalgo; M. (a); Legnaioli; S. (a); Masotti; L. (b)(c); Palleschi; V. (a); Salvetti; A. (a); Tognoni; E. (a); Vallebona; C. (a); Zanini; A. (c)subjectArcheometrysubjectCopper AgessubjectLaserssubjectLIBSsubjectSpectroscopy  
*Mikrochimica acta (1966, Print) 152 (2005): 105–111.*

<http://www.cnr.it/prodotto/i/66399>

info:cnr-pdr/source/autori:Corsi, M. (a), Cristoforetti, G. (a), Giuffrida, M. (a), Hidalgo, M. (a), Legnaioli, S. (a), Masotti, L. (b)(c), Palleschi, V. (a), Salvetti, A. (a), Tognoni, E. (a), Vallebona, C. (a), Zanini, A. (c)/titolo:Archaeometric analysis of ancient copper manufacts by Laser Induced Breakdown Spectroscopy technique/

**129)-Star-like polymer solutions studied by light and neutron scattering**

G. Di Marco; N. Micali; R. Ponterio; V. Villari; A. Heinemann  
*Notiziario Neutroni e Luce di Sincrotrone 10 (2005): 8–12.*

<http://www.cnr.it/prodotto/i/66404>

info:cnr-pdr/source/autori:G. Di Marco, N. Micali, R. Ponterio, V. Villari, A. Heinemann/titolo:Star-like polymer solutions studied by light and neutron scattering/

**130)-La Chimica a Microonde**

I. Longo  
*4 (2005): 52–54.*

<http://www.cnr.it/prodotto/i/66416>

info:cnr-pdr/source/autori:I. Longo/titolo:La Chimica a Microonde/

**131)-UV-induced photocatalytic degradation of azo dyes by organic-capped ZnO nanocrystals immobilized onto substrates**

COMPARELLI R.; FANIZZA E.; CURRI M.L.; COZZOLI P.D.; MASCOLO G.; AGOSTIANO A.

*Applied catalysis. B, Environmental (Print) 60 (2005): 1–11.*

<http://www.cnr.it/prodotto/i/167544>

info:cnr-pdr/source/autori:COMPARELLI R., FANIZZA E., CURRI M.L., COZZOLI P.D., MASCOLO G., AGOSTIANO A./titolo:UV-induced photocatalytic degradation of azo dyes by organic-capped ZnO nanocrystals immobilized onto substrates/

**132)-Assessing T-RFLP suitability for the description of bacterial community structure and dynamics in oil-polluted marine environments**

Denaro R.; D'Auria G.; Di Marco G.; Genovese M.; Troussellier M.; Yakimov M. M.; Giuliano L.subjectMarine environmentssubjectPetroleum degradationssubjectBacteria  
*Environmental microbiology (Online)* 7 (2005): 78–87.  
<https://dx.doi.org/10.1111/j.1462-2920.2004.00685.x>

**133)-Effects of sucrose on the internal dynamics of azurin.**

Cioni P.; Bramanti E.; Strambini G.B.  
*Biophysical journal (Print)* 88 (2005): 4213–4222.  
<http://www.cnr.it/prodotto/i/168110>

info:cnr-pdr/source/autori:Cioni P., Bramanti E., Strambini G.B./titolo:Effects of sucrose on the internal dynamics of azurin./

**134)-Spectroscopic study of the chromophore–protein association and primary photoinduced events in the photoreceptor of *Blepharisma japonicum***

Plaza P.; Mahet M.; Martin Monique M.; Angelini N.; Malatesta M.; Checcucci G.; Lenci F.  
*Photochemical & photobiological sciences (Print)* 4 (2005): 754–761.  
<https://dx.doi.org/10.1039/b417086e>

**135)-Circular Dichroism of the Photoreceptor Pigment Oxyblepharismine**

Pieroni O.; Plaza P.; Mahet M.; Angelini N.; Checcucci G.; Malatesta M.; Martin M.M.; Lenci F.  
*Photochemistry and photobiology* 81 (2005): 1343–1346.  
<https://dx.doi.org/10.1562/2005-04-28-RN-504>

**136)-Shape and Phase Control of Colloidal ZnSe Nanocrystals**

Cozzoli P.D. 1; Manna L. 2; Curri M.L. 3; Kudera S. 4; Giannini C. 5; Striccoli M. 3; Agostiano A. 1; 3 P. Davide Cozzoli; Liberato Manna; M. Lucia Curri; Stefan Kudera; | Cinzia Giannini; Marinella Striccoli; Angela Agostiano  
*Chemistry of materials* 17 (2005): 1296–1306.  
<https://dx.doi.org/10.1021/cm047874v>

**137)-Colloidal TiO<sub>2</sub> rod and dot based thin films for chemical sensor based on Surface Plasmon Resonance**

M. G. Manera; M. L. Curri; D. Cozzoli; G. Leo; L. Vasanelli; A. Agostiano; R. Rella; P. Siciliano  
*5836 (2005): 27–34.*  
<http://www.cnr.it/prodotto/i/170110>

info:cnr-pdr/source/autori:M. G. Manera, M. L. Curri, D. Cozzoli, G. Leo, L. Vasanelli, A. Agostiano, R. Rella, P. Siciliano/titolo:Colloidal TiO<sub>2</sub> rod and dot based thin films for chemical sensor based on Surface Plasmon Resonance/

**138)-A Multifrequency Epr Approach to Travertine Characterisation**

Di Benedetto F.; Montegrossi G.; Pardi L.A.; Minissale A.; Paladini M.; Romanelli M.subjectTravertinessubjectHigh FieldssubjectEPRsubjectManganesesubjectCalcite  
*Journal of magnetic resonance (San Diego, Calif., 1997 : Print) 177 (2005): 86–92.*  
<https://dx.doi.org/10.1016/j.jmr.2005.07.009>

**139)-Interactions between water soluble porphyrin-based star polymer and amino acids: Spectroscopic evidence of molecular binding**

Nicola Angelini; Norberto Micali; Valentina Villari; Placido Mineo; Daniele Vitalini; Emilio Scamporrino  
*Physical review. E, Statistical, nonlinear, and soft matter physics (Print) 71 (2005): 021915.*  
<https://dx.doi.org/10.1103/PhysRevE.71.021915>

**140)-Effect of laser pulse energies in laser induced breakdown spectroscopy in double-pulse configuration**

Benedetti P.A.; Cristoforetti G.; Legnaioli S.; Palleschi V.; Pardini L.; Salvetti A.; Tognoni E.  
*Spectrochimica acta. Part B, Atomic spectroscopy 60 (2005): 1392–1401.*  
<http://www.cnr.it/prodotto/i/170785>

info:cnr-pdr/source/autori:Benedetti P.A., Cristoforetti G., Legnaioli S., Palleschi V., Pardini L., Salvetti A., Tognoni E./titolo:Effect of laser pulse energies in laser induced breakdown spectroscopy in double-pulse configuration/

**141)-Syntheses and crystal structures of dinuclear complexes containing d-block and f-block luminophores. Sensitization of NIR luminescence from Yb(III), Nd(III), and Er(III) centers by energy transfer from Re(I)and Pt(II)-bipyrimidine metal centers**

N.M. Shavaleev; G. Accorsi; D. Virgili; D. R. Bell; T. Lazarides; G. Calogero; N. Armaroli; M. D. Wardsubjectenergy transfersubjectluminescencesubjectlanthanidesubjectnear-infrared  
*Inorganic chemistry 44 (2005): 61–72.*  
<https://dx.doi.org/10.1021/ic048875s>

**142)-SMC1 involvement in fragile site expression**

Musio A; Montagna C; Mariani T; Tilenni M; Focarelli ML; Brait L; Indino E; Benedetti PA; Chessa L; Albertini A; Ried T; Vezzoni P.  
*Human molecular genetics (Print) 14 (2005): 525–533.*  
<https://dx.doi.org/10.1093/hmg/ddi049>

**143)-Core-shell photoabsorption and photoelectron spectra of gas-phase pentacene: experiment and theory**

Michele Alagia<sup>1</sup>; Chiara Baldacchini<sup>2</sup>; Maria Grazia Betti<sup>3</sup>; Fabio Bussolotti<sup>4</sup>; Vincenzo Carravetta<sup>5</sup>; Ulf Ekström<sup>6</sup>; Carlo Mariani<sup>7</sup>; Stefano Stranges<sup>8</sup>subjectpentacenesubjectXPSsubjectNEXAFSSubjectexperimentsubjecttheory  
*The Journal of chemical physics* 122 (2005): 124305–124310.  
<https://dx.doi.org/10.1063/1.1864852>

**144)-Electrical characterization of organic based transistors: stability issue**

H. L. Gomes; P. Stallinga; F. Dinelli; M. Murgia; F. Biscarini; D. M. de Leeuw; M. Muccini; K. Mullen

*Polymers for advanced technologies (Print)* 16 (2005): 227.

<http://www.cnr.it/prodotto/i/172164>

info:cnr-pdr/source/autori:H. L. Gomes, P. Stallinga, F. Dinelli, M. Murgia, F. Biscarini, D. M. de Leeuw, M. Muccini, K. Mullen/titolo:Electrical characterization of organic based transistors: stability issue/

**145)-The effect of Cyclodextrins on the physicochemical properties of Chlorophyll a in aqueous solution**

Dentuto P.L.; L. Catucci; P. Cosma; P. Fini; L. D'Accolti; A. Agostiano; C. Trevithick-Sutton; C.S. FootesubjectPHOTOPHYSICAL

PROPERTIESsubjectAGGREGATIONsubjectCOMPLEXESsubjectDERIVATIVES

*The journal of physical chemistry. B* 109 (2005): 1313–1317.

<https://dx.doi.org/10.1021/jp047132p>

**146)-TiO<sub>2</sub> nanocrystal films for sensing applications based on surface plasmon resonance**

Manera M.G.; Cozzoli P.D.; Curri M.L.; Leo G.; Rella R.; Agostiano A.; Vasanelli L.

*Synthetic metals* 148 (2005): 25–29.

<http://www.cnr.it/prodotto/i/173899>

info:cnr-pdr/source/autori:Manera M.G., Cozzoli P.D., Curri M.L., Leo G., Rella R., Agostiano A., Vasanelli L./titolo:TiO<sub>2</sub> nanocrystal films for sensing applications based on surface plasmon resonance/

**147)-Stable solution of the simplest spin model for inverse freezing**

Crisanti A.; Leuzzi L.

*Physical review letters* 95 (2005): 087201.

<https://dx.doi.org/10.1103/PhysRevLett.95.087201>

**148)-Complexity in mean-field spin-glass models: Ising p-spin**

Crisanti A.; Leuzzi L.; Rizzo T.subjectMETASTABLE STATES; SOLVABLE MODEL; EQUATIONS; TAP

*Physical review letters* 71 (2005): 094202.

<https://dx.doi.org/10.1103/PhysRevB.71.094202>

**149)-Complexity in mean-field spin-glasses**

Leuzzi L.subjectSK MODEL; TEMPERATURE; TAP

*Progress of theoretical physics. Supplement 157 (2005): 94–98.*

<http://www.cnr.it/prodotto/i/174192>

info:cnr-pdr/source/autori:Leuzzi L./titolo:Complexity in mean-field spin-glasses/

**150)-Carbon Nanocrystals Produced By Pulsed Laser Ablation Of Carbon**

A. Mangione; L. Torrisi; A. Picciotto; F. Caridi; D. Margarone; E. Fazio; A. La Mantia; G. Di MarcosubjectNanostructuressubjectDiamond-likesubjectLaser ablationsubjectIR spectroscopy

*Taylor & Francis forensic science series (Online) 160 (2005): 655–662.*

<https://dx.doi.org/10.1080/10420150500493188>

**151)-Relation between the alpha-Relaxation and Johari-Goldstein beta-Relaxation of a Component in Binary Miscible Mixtures of Glass-Formers**

Capaccioli S.; Ngai K.L.subjectrelaxationsubjectbinary mixturesubjectJohari-Goldstein relaxationsubjectglass transition

*The journal of physical chemistry. B 109 (2005): 9727–9735.*

<https://dx.doi.org/10.1021/jp044893j>

**152)-Spectroscopic techniques applied to the characterization of decorated potteries from Caltagirone (Sicily, Italy)**

Barilaro, D; Barone G.; Crupi V.; Donato M.G.; Majolino D.; Messina G.; Ponterio R.subjectPigmentsubjectPotterysubjectRamansubjectIRsubjectSpectroscopy

*Journal of molecular structure (Print) 744-747 (2005): 827–831.*

<http://www.cnr.it/prodotto/i/181651>

info:cnr-pdr/source/autori:Barilaro, D; Barone G.; Crupi V.; Donato M.G.; Majolino D.; Messina G.; Ponterio R./titolo:Spectroscopic techniques applied to the characterization of decorated potteries from Caltagirone (Sicily, Italy)/

**153)-Color-tunable organic microcavity laser array using distributed feedback**

Strangi, G; Barna, V; Caputo, R; De Luca, A; Versace, C; Scaramuzza, N; Umeton, C; Bartolino, R; Price, GNsubjectCHOLESTERIC LIQUID-CRYSTALSsubjectSTOP BANDSsubjectEMISSIONsubjectPHYSICSsubjectEDGE

*Physical review letters (Print) 94 (2005): 3903.*

<https://dx.doi.org/10.1103/PhysRevLett.94.063903>

**154)-Forces in nematic liquid crystals constrained to the nanometer scale under hybrid anchoring conditions**

Zappone, B; Richetti, P; Barberi, R; Bartolino, R; Nguyen, HTsubjectTHIN-FILMSsubjectORDERsubjectINTERFEROMETERsubjectCONFINEMENTsubjectTRANSITIONS

*Physical review. E, Statistical, nonlinear and soft matter physics (Online) 71 (2005): 1703.*

<https://dx.doi.org/10.1103/PhysRevE.71.041703>

**155)-Blends of poly-(epsilon-caprolactone) and polysaccharides in tissue engineering applications**

G. CIARDELLI; CHIONO V.; G. VOZZI; M. PRACELLA; A. AHLUWALIA; C. CRISTALLINI; N. BARBANI; P. GIUSTI

*Biomacromolecules* 6 (2005): 1961–1976.

<https://dx.doi.org/10.1021/bm0500805>

**156)-Luminescent Bis(benzoxazolyl)stilbene as a Molecular Probe for Poly(propylene) Film Deformation**

A. Pucci; M. Bertoldo; S. Bronco; subject: excimers; film orientations; subject: luminescent chromophore; subject: orientations; subject: poly(propylene) (PP); subject: stress strain sensor

*Macromolecular rapid communications* 26 (2005): 1043–1048.

<https://dx.doi.org/10.1002/marc.200500227>

**157)-Trifluoroethanol: key solvent for palladium-catalyzed polymerization reactions**

A. Scarel; J. Durand; D. Franchi; E. Zangrando; G. Mestroni; B. Milani; S. Gladiali; C. Carfagna; B. Binotti; S. Bronco; T. Gragnoli; subject: Palladium; subject: Nitrogen-donor ligands; subject: Carbon monoxide; subject: Olefin; subject: Polyketone

*Journal of organometallic chemistry (Print)* 690 (2005): 2106–2120.

<https://dx.doi.org/10.1016/j.jorganchem.2005.01.004>

**158)-Towards the Supramolecular Structure of Collagen: a Molecular Dynamics Approach**

Susanna Monti\*; Simona Bronco; Chiara Cappelli

*The journal of physical chemistry. B* 109 (2005): 11389–11398.

<https://dx.doi.org/10.1021/jp0440941>

**159)-Oxidative unhairing with hydrogen peroxide: development of an industrial scale process for high-quality upper leather**

S. Bronco; D. Castiello; G. D'Elia; M. Salvadori; M. Seggiani; S. Vitolo

*The Journal of the American Leather Chemists Association* 100 (2005): 45–53.

<http://www.cnr.it/prodotto/i/185375>

info:cnr-pdr/source/autori:S. Bronco; D. Castiello; G. D'Elia; M. Salvadori; M. Seggiani; S. Vitolo/titolo:Oxidative unhairing with hydrogen peroxide: development of an industrial scale process for high-quality upper leather/

**160)-Understanding the Accelerating Effect of epsilon-Caprolactam on the Formation of Urethane Linkages**

Monica Bertoldo; Chiara Cappelli; Stefano Catanorchi; Vincenzo Liuzzo; Simona Bronco

*Macromolecules (Print)* 38 (2005): 1385–1394.

<https://dx.doi.org/10.1021/ma0480998>

**161)-Dual cured polyurethane-acrylate nanocomposites for laminate coating applications**

Monica Bertoldo; Simona Bronco; Piero Narducci; Stefano Rossetti; Marco Scoptonisubjectdual curingsubjectinterpenetrating networks

(IPN)subjectmontmorillonitesubjectnanocompositessubjectphotopolymerization

*Macromolecular materials and engineering (Print)* 290 (2005): 475–484.

<https://dx.doi.org/10.1002/mame.200400341>

**162)-Surface energy induce asymmetric phase distribution in films of a binary polymeric blend**

Monica Bertoldo; Maria Beatrice Coltelli; Lidia Miraglia; Piero Narducci; Simona BroncosubjectPolyethylene blendssubjectSurface energysubjectPolyethylene/copolyamide films

*Polymer (Niagara F.)* 46 (2005): 11311–11321.

<https://dx.doi.org/10.1016/j.polymer.2005.10.040>

**163)-Mechanisms supporting long propagation regimes of photorefractive solitons**

DelRe E.; D'Ercole, A.; Palange E.subjectsolitons

*Physical review. E, Statistical, nonlinear, and soft matter physics (Print)* 71 (2005): 036610.

<https://dx.doi.org/10.1103/PhysRevE.71.036610>

**164)-High-pressure and high-temperature equation of state and phase diagram of solid benzene**

Lucia Ciabini,1,2; Federico A. Gorelli,1,3; Mario Santoro,1; Roberto Bini,1,2; Vincenzo Schettino,1,2; Mohamed Mezouar<sup>4</sup>

*Physical review. B, Condensed matter and materials physics* 72 (2005): 094108.

<https://dx.doi.org/10.1103/PhysRevB.72.094108>

**165)-Preparation of Shell Cross-Linked Nano-Objects from Hybrid-Peptide Block Copolymers**

R. Rodriguez-Hernandez; J. Babin; B. Zappone; S. LecommandouxsubjectDIBLOCK COPOLYMERS; NANOSPHERES; VESICLES; NANOFIBERS; MICELLES; COMPLEX; METHACRYLATE); MICELLIZATION; NANOPARTICLES; POLYSTYRENE

*Biomacromolecules* 6 (2005): 2213–2220.

<http://www.cnr.it/prodotto/i/186073>

info:cnr-pdr/source/autori:R. Rodriguez-Hernandez, J. Babin, B. Zappone, S. Lecommandoux/titolo:Preparation of Shell Cross-Linked Nano-Objects from Hybrid-Peptide Block Copolymers/

**166)-Microscopic dynamics in liquid metals: The experimental point of view**

Scopigno, T (Scopigno, T); Ruocco, G (Ruocco, G); Sette, F (Sette, F)

*Reviews of modern physics* 77 (2005): 881–933.

<http://www.cnr.it/prodotto/i/187171>

info:cnr-pdr/source/autori:Scopigno, T (Scopigno, T); Ruocco, G (Ruocco, G); Sette, F (Sette, F)/titolo:Microscopic dynamics in liquid metals: The experimental point of view/

**167)-Assessing terminal restriction fragment length polymorphism suitability for the description of bacterial community structure and dynamics in hydrocarbon-polluted marine environments**

R. Denaro; G. D'Auria; G. Di Marco; M. Genovese; M. Troussellier; M. M. Yakimov; L. Giuliano

*Environmental microbiology (Online)* 7 (2005).

<https://dx.doi.org/10.1111/j.1462-2920.2004.00685.x>

**168)-Correlation function and generalized master equation of arbitrary age**

Paolo Allegrini (1); Gerardo Aquino (2); Paolo Grigolini (2,3,4); Luigi Palatella (5); Angelo Rosa (6); Bruce J. West (7)

*Physical review. E, Statistical, nonlinear, and soft matter physics (Print)* 71 (2005): 066109.

<https://dx.doi.org/10.1103/PhysRevE.71.066109>

**169)-Absorption and emission in the non-poisson case: The theoretical challenge posed by renewal aging**

Gerardo Aquino (1); Luigi Palatella (2); Paolo Grigolini (3)

*Brazilian journal of physics (Impr.)* 35 (2005): 418–424.

<https://dx.doi.org/10.1590/S0103-97332005000300009>

**170)-Water phase transfer of oleic capped semiconductor nanocrystals mediated by alpha-cyclodextrins**

Depalo, N; Comparelli, R; Striccoli, M; Curri, ML; Catucci, L; Agostiano, A  
subjectcolloidal CdS nanocrystalssubjectcyclodextrinssubjecthost-guest chemistrysubjectpolyelectrolytes

*Proceedings of SPIE, the International Society for Optical Engineering* 5838 (2005): 245–251.

<https://dx.doi.org/10.1117/12.608598>

**171)-Hybrid nanocomposites based on CdS and CdSe colloidal nanocrystals in organic polymers**

Tamborra, M; Comparelli, R; Curri, ML; Striccoli, M; Petrella, A; Agostiano, A  
subjectnanocompositesubjectcolloidal nanocrystalssubjectCdSsubjectCdSesubjectpolymerssubjectphotoluminescence

*Proceedings of SPIE, the International Society for Optical Engineering* 5838 (2005): 236–244.

<https://dx.doi.org/10.1117/12.608592>

**172)-The role of entities and processes in chemistry and physics | Ruolo degli enti e dei processi in chimica e in fisica**

Villani; Giovanni  
subjectentisubjectprocessisubjectfisicasubjectchimicasubjectbiologia



*Epistemologia (Testo stamp.)* 28 (2005): 199–218.

<http://www.scopus.com/record/display.url?eid=2-s2.0-65849148702&origin=inward>

info:cnr-pdr/source/autori:Villani, Giovanni/titolo:The role of entities and processes in chemistry and physics | Ruolo degli enti e dei processi in chimica e in fisica/

**173)-A mean field analysis of the O-H stretching Raman spectra in methanol/carbon tetrachloride mixtures**

Fazio, B; Pieruccini, M; Vasi, CsubjectAggregationssubjectWater

*The journal of physical chemistry. B* 109 (2005): 16075–16080.

<https://dx.doi.org/10.1021/jp052587f>

**174)-Ultraviolet radiation inside interstellar grain aggregates. I. The density of radiation**

C. Cecchi-Pestellini; R. Saija; M. A. Iatì; A. Giusto; F. Borghese; P. Denti; S. Aiellosubjectastrobiologysubjectdustsubjectextinctionsubjectradiative transfer

*The Astrophysical journal* 624 (2005): 223–231.

<http://www.cnr.it/prodotto/i/266217>

info:cnr-pdr/source/autori:C. Cecchi-Pestellini, R. Saija, M. A. Iatì, A. Giusto, F. Borghese, P. Denti, S. Aiello/titolo:Ultraviolet radiation inside interstellar grain aggregates. I. The density of radiation/

**175)-Ultraviolet radiation inside interstellar grain aggregates. II. Field depolarization**

R. Saija; C. Cecchi-Pestellini; M. A. Iatì; A. Giusto; F. Borghese; P. Denti; S. Aiellosubjectdustsubjectextinctionsubjectradiative transfer

*The Astrophysical journal* 633 (2005): 953–966.

<http://www.cnr.it/prodotto/i/266221>

info:cnr-pdr/source/autori:R. Saija, C. Cecchi-Pestellini, M. A. Iatì, A. Giusto, F. Borghese, P. Denti, S. Aiello/titolo:Ultraviolet radiation inside interstellar grain aggregates. II. Field depolarization/

**176)-Transverse components of the radiation force on nonspherical particles in the T-matrix formalism**

R. Saija; M.A. Iatì; A. Giusto; P. Denti; F. Borghesesubjectradiation forcesubjectradiation pressuresubjecttransition matrixsubjectoptical properties

*Journal of Quantitative Spectroscopy & Radiative Transfer* 94 (2005): 163–179.

<http://www.cnr.it/prodotto/i/266215>

info:cnr-pdr/source/autori:R. Saija, M.A. Iatì, A. Giusto, P. Denti, F. Borghese/titolo:Transverse components of the radiation force on nonspherical particles in the T-matrix formalism/

**177)-Exploring the dusty Universe**

M.A. Iatì; R. Saija; A. Giusto; P. Denti; F. Borghese; C. Cecchi-Pestellinisubject.

*Atti dell'Accademia Peloritana dei Pericolanti* 83 (2005).

<https://dx.doi.org/10.1478/C1A0501001>

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

### **1)-Nanocomposites based on luminescent colloidal nanocrystals in polymers: new opportunities for micro and nano fabrication**

M. Tamborra; C. Ingrosso; M. Striccoli; A. Petrella; M. L. Curri; R. Comparelli; A. Agostiano; V. Fakhfour; J. Brugger

*Nanotech Montreux 2005, Montreux (Switzerland), 2005*

<http://www.cnr.it/prodotto/i/88041>

info:cnr-pdr/source/autori:M. Tamborra, C. Ingrosso, M. Striccoli, A. Petrella, M. L. Curri, R. Comparelli, A. Agostiano, V. Fakhfour, J. Brugger/congresso\_nome:Nanotech Montreux 2005/congresso\_luogo:Montreux

(Switzerland)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **2)-Biomolecules-colloidal nanocrystals hybrid materials: synthesis, properties and potential applications**

N. Depalo; E. Fanizza R. Comparelli; A. Mallardi; M. L. Curri; M. Striccoli; ; P. D. Cozzoli; A. Agostiano

*Nanotech Montreux 2005, Montreux (Switzerland), 2005*

<http://www.cnr.it/prodotto/i/88042>

info:cnr-pdr/source/autori:N. Depalo, E. Fanizza R. Comparelli, A. Mallardi, M. L. Curri, M. Striccoli, , P. D. Cozzoli, A. Agostiano/congresso\_nome:Nanotech Montreux 2005/congresso\_luogo:Montreux

(Switzerland)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **3)-Tailored synthetic strategies of colloidal nanocrystals: properties and functionalization towards electrochemical application**

M. L. Curri; M. Striccoli; R. Comparelli; P. D. Cozzoli; N. Depalo; E. Fanizza; C. Ingrosso; A. Petrella; M. Tamborra; P. Cosma; A. Agostiano

*1st ECHEMS Meeting Electrochemistry in Nanoscience, Venice (Italy), 2005*

<http://www.cnr.it/prodotto/i/88043>

info:cnr-pdr/source/autori:M. L. Curri, M. Striccoli, R. Comparelli, P. D. Cozzoli, N. Depalo, E. Fanizza, C. Ingrosso, A. Petrella, M. Tamborra, P. Cosma, A. Agostiano/congresso\_nome:1st ECHEMS Meeting Electrochemistry in Nanoscience/congresso\_luogo:Venice

(Italy)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **4)-Semiconductor nanocrystals/ metal phthalocyanines hybrid junctions: a photoelectrochemical and spectroscopic investigation**

C. Ingrosso; A. Petrella; M. L. Curri; M. Striccoli; P. Cosma; P.D. Cozzoli; A. Agostiano

*Joint Meeting Bioelectrochemistry-2005, Coimbra (Portugal), 2005*

<http://www.cnr.it/prodotto/i/88044>

info:cnr-pdr/source/autori:C. Ingrosso, A. Petrella, M. L. Curri, M. Striccoli, P. Cosma, P.D. Cozzoli, A. Agostiano/congresso\_nome:Joint Meeting Bioelectrochemistry-2005/congresso\_luogo:Coimbra (Portugal)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**5)-Hybrid nanocomposites based on II-VI semiconducting nanocrystals in organic polymers**

M. Tamborra; A. Petrella; R. Comparelli; M. L. Curri; M. Striccoli; P. D. Cozzoli; A. Agostiano  
*SPIE Microtechnologies for the New Millennium 2005 – Nanotechnology, Seville (Spain), 2005*  
<http://www.cnr.it/prodotto/i/88045>

info:cnr-pdr/source/autori:M. Tamborra, A. Petrella, R. Comparelli, M. L. Curri, M. Striccoli, P. D. Cozzoli, A. Agostiano/congresso\_nome:SPIE Microtechnologies for the New Millennium 2005 – Nanotechnology/congresso\_luogo:Seville (Spain)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**6)-Cyclodextrins mediated water phase transfer of organic capped colloidal nanocrystals**

R. Comparelli; N. Depalo; M. Striccoli; M. L. Curri; L. Catucci; A. Agostiano  
*SPIE Microtechnologies for the New Millennium 2005 – Nanotechnology, Seville (Spain), 2005*  
<http://www.cnr.it/prodotto/i/88046>

info:cnr-pdr/source/autori:R. Comparelli, N. Depalo, M. Striccoli, M. L. Curri, L. Catucci, A. Agostiano/congresso\_nome:SPIE Microtechnologies for the New Millennium 2005 – Nanotechnology/congresso\_luogo:Seville (Spain)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**7)-R&D on high energy photonics at the intense last irradiation laborator**

Antonio Giulietti; Marco Galimberti; Danilo Giulietti; Leonida A. Gizzi; Petra Koester; Luca Labate; Paolo Tomassini; Moreno Vaselli  
*International Conference on Charged and Neutral Particles Channeling Phenomena, 2005*  
<http://www.cnr.it/prodotto/i/88071>

info:cnr-pdr/source/autori:Antonio Giulietti, Marco Galimberti, Danilo Giulietti, Leonida A. Gizzi, Petra Koester, Luca Labate, Paolo Tomassini, and Moreno Vaselli,/congresso\_nome:International Conference on Charged and Neutral Particles Channeling Phenomena/congresso\_luogo:/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**8)-The Infrared and Vibrational Circular Dichroism Spectra of (S)-proline in water: an ab initio study**

Cappelli, C.; Monti, S.; Rizzo, A.  
*International Conference of Computational Methods in Sciences and Engeneering 2005 (ICCMSE 2005), Loutraki, Grecia, 2005*  
<http://www.cnr.it/prodotto/i/88080>

info:cnr-pdr/source/autori:Cappelli, C.; Monti, S.; Rizzo, A./congresso\_nome:International Conference of Computational Methods in Sciences and Engineering 2005 (ICCMSE 2005)/congresso\_luogo:Loutraki, Grecia/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**9)-Hybrid Nanocomposites Based On CdS and CdSe Colloidal Nanocrystals In Organic Polymers**

M. Tamborra; R. Comparelli; M. L. Curri; M. Striccoli; A. Petrella; A. Agostiano  
2005

<http://www.cnr.it/prodotto/i/88081>

info:cnr-pdr/source/autori:M. Tamborra , R. Comparelli, M. L. Curri , M. Striccoli , A. Petrella, A.

Agostiano/congresso\_nome:/congresso\_luogo:/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**10)-Water Phase Transfer of Oleic Capped Semiconductor Nanocrystals Mediated by  $\alpha$ -Cyclodextrins**

N. Depalo; R. Comparelli; M. Striccoli; M. L. Curri; L. Catucci; A. Agostiano  
2005

<http://www.cnr.it/prodotto/i/88082>

info:cnr-pdr/source/autori:N. Depalo, R. Comparelli, M. Striccoli, M. L. Curri, L. Catucci, A. Agostiano/congresso\_nome:/congresso\_luogo:/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**11)-Pressure-broadening of the 22.2 GHz line of water: basic**

G. Cazzoli; C. Puzzarini; G. Buffa; O. Tarrini

*Remote Sensing of the Atmosphere for Environmental, Rabat, 2005*

<http://www.cnr.it/prodotto/i/88112>

info:cnr-pdr/source/autori:G. Cazzoli, C. Puzzarini, G. Buffa and O. Tarrini/congresso\_nome: Remote Sensing of the Atmosphere for Environmental/congresso\_luogo:Rabat/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**12)-Modi: a new mobile instrument for in situ standardless LIBS analysis of cultural heritage**

Gabriele Cristoforetti; Stefano Legnaioli; Vincenzo Palleschi; Lorenzo Pardini; Azenio Salvetti; Elisabetta Tognoni

*Optical Methods for Arts and Archaeology, 2005*

<http://www.cnr.it/prodotto/i/88117>

info:cnr-pdr/source/autori:Gabriele Cristoforetti, Stefano Legnaioli, Vincenzo Palleschi, Lorenzo Pardini, Azenio Salvetti, Elisabetta Tognoni/congresso\_nome:Optical Methods for Arts and Archaeology/congresso\_luogo:/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **13)-Recent results on high-frequency open single-mode resonators**

Annino G.; Cassettari M.; Martinelli M.; Fittipaldi M.; Goovaerts E.; Van Doorslaer S.subjectOpen cavitiessubjectSingle-mode resonancesubjectHigh-frequency EPRsubjectTE011 mode

*COST P15 meeting in Advanced paramagnetic resonance methods in molecular biophysics, Budapest, Hungary, 2005*

<http://www.cnr.it/prodotto/i/88123>

info:cnr-pdr/source/autori:Annino G., Cassettari M., Martinelli M., Fittipaldi M., Goovaerts E., Van Doorslaer S./congresso\_nome:COST P15 meeting in Advanced paramagnetic resonance methods in molecular biophysics/congresso\_luogo:Budapest, Hungary/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **14)-High-K ZST material for microwave and millimeter wave applications**

Ioachim A.; Ramer R.; Toacsan M.I.; Banciu M.G.; Nedelcu L.; Ghetu D.; Stoica G.; Annino G.; Cassettari M.; Martinelli M.

*Conference on Smart Materials III, Sydney, Australia, 2005*

<http://www.cnr.it/prodotto/i/88229>

info:cnr-pdr/source/autori:Ioachim A., Ramer R., Toacsan M.I., Banciu M.G., Nedelcu L., Ghetu D., Stoica G., Annino G., Cassettari M., Martinelli M./congresso\_nome:Conference on Smart Materials III/congresso\_luogo:Sydney, Australia/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **15)-Nickel-doped (Zr-0.8, Sn-0.2)TiO4 for microwave and millimeter-wave applications**

Ioachim A.; Banciu M.G.; Toacsan M.I.; Nedelcu L.; Ghetu D.; Alexandru H.V.; Stoica G.; Annino G.; Cassettari M.; Martinelli M.

*MATERIALS SCIENCE AND ENGINEERING B-SOLID STATE MATERIALS FOR ADVANCED TECHNOLOGY, Strasburgo, Francia, 2005*

<http://www.cnr.it/prodotto/i/88230>

info:cnr-pdr/source/autori:Ioachim A., Banciu M.G., Toacsan M.I., Nedelcu L., Ghetu D., Alexandru H.V., Stoica G., Annino G., Cassettari M., Martinelli M./congresso\_nome:MATERIALS SCIENCE AND ENGINEERING B-SOLID STATE MATERIALS FOR ADVANCED TECHNOLOGY/congresso\_luogo:Strasburgo, Francia/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**16)-Metal-metal and metal-oxide potentials: the Au-Au and Pd-MgO case studies of Empirical Potentials for Atomistics Systems**

Barcaro G.; Fortunelli A. subject heterogeneous catalysis

*CECAM Workshop on ``Ab Initio Meets Classical Simulations: The Development of Empirical Potentials for Atomistics Systems, Lione, Francia, 14/04/2005*

<http://www.cnr.it/prodotto/i/116515>

info:cnr-pdr/source/autori:Barcaro G., Fortunelli A./congresso\_nome:CECAM Workshop on ``Ab Initio Meets Classical Simulations: The Development of Empirical Potentials for Atomistics Systems/congresso\_luogo:Lione, Francia/congresso\_data:14/04/2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**17)-The interaction of coinage metal clusters with the MgO(100) surface**

Barcaro G.; Fortunelli A.

*MMD Meeting, Genova, Italia, 2005*

<http://www.cnr.it/prodotto/i/116516>

info:cnr-pdr/source/autori:Barcaro G., Fortunelli A./congresso\_nome:MMD Meeting/congresso\_luogo:Genova, Italia/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**18)-Diffusion of palladium clusters on magnesium oxide**

Barcaro G.; Fortunelli A.

*Workshop on Surface Nanopatterning, Tirrenia (Pisa), Italia, 2005*

<http://www.cnr.it/prodotto/i/116517>

info:cnr-pdr/source/autori:Barcaro G., Fortunelli A./congresso\_nome:Workshop on Surface Nanopatterning/congresso\_luogo:Tirrenia (Pisa), Italia/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**19)-A novel Au-Au interaction potential including directionality effects**

Olivier S.; Fortunelli A. subject heterogeneous catalysis

*Workshop on Surface Nanopatterning, Tirrenia (Pisa), Italia, 30/06/2005*

<http://www.cnr.it/prodotto/i/116518>

info:cnr-pdr/source/autori:Olivier S., Fortunelli A./congresso\_nome:Workshop on Surface Nanopatterning/congresso\_luogo:Tirrenia (Pisa), Italia/congresso\_data:30/06/2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**20)-DFT study of the interaction of small coinage metal clusters and extended deposits with the regular and defected MgO(100) surface**

Barcaro G.; Fortunelli A.

*Summer School on Self-Organized Nanostructures, Cargese (Corsica), Francia, 2005*

<http://www.cnr.it/prodotto/i/116519>

info:cnr-pdr/source/autori:Barcaro G., Fortunelli A./congresso\_nome:Summer School on Self-Organized Nanostructures/congresso\_luogo:Cargese (Corsica), Francia/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **21)-Analysis of the multiphoton ionization of cold rubidium dimers**

J. Lozeille; A.Fioretti; C.Gabbanini

*Cold Molecules: Formation, Trapping and Dynamics, Hannover, 2005*

<http://www.cnr.it/prodotto/i/116527>

info:cnr-pdr/source/autori:J. Lozeille, A.Fioretti and C.Gabbanini,/congresso\_nome:Cold Molecules: Formation, Trapping and Dynamics/congresso\_luogo:Hannover/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **22)-Diode laser spectroscopy of carbon dioxide at 780 nm and methane at 840 nm**

A. Lucchesini; S. Gozzini subjects pettroscopia molecolare subject metano subject anidride carbonica subject diodi laser subject monitoraggio ambientale

*MMD Meeting - Matter, Materials and Devices, pp. 33–34, Genova, June 22 - 25, 2005*

<http://www.cnr.it/prodotto/i/116529>

info:cnr-pdr/source/autori:A. Lucchesini, S. Gozzini/congresso\_nome:MMD Meeting - Matter, Materials and Devices/congresso\_luogo:Genova/congresso\_data:June 22 - 25, 2005/anno:2005/pagina\_da:33/pagina\_a:34/intervallo\_pagine:33–34

### **23)-Coherent Resonances in Potassium**

G. Alzetta; S. Cartaleva; S. Gozzini; T. Karaulanov; A. Lucchesini; C. Marinelli; L. Moi subject coerenza subject magnetometria

*IV International Symposium on Laser Technologies and Laser (LTL 2005), Plovdiv, 2005*

<http://www.cnr.it/prodotto/i/116533>

info:cnr-pdr/source/autori:G. Alzetta, S. Cartaleva, S. Gozzini, T. Karaulanov, A. Lucchesini, C. Marinelli, L. Moi/congresso\_nome:IV International Symposium on Laser Technologies and Laser (LTL 2005)/congresso\_luogo:Plovdiv/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **24)-Coherent population trapping for precise measurements**

S. Cartaleva; D. Slavov; T. Kraulanov; C. Andreeva; L. Petrov; N. Petrov; Y. Dancheva; V. Biancalana; G. Bevilacqua; C. Marinelli; L. Moi; G. Alzetta; S. Gozzini; A. Lucchesini; K. Nasyrov; M. Auzinsh; K. Blush; D. Sarkisyan; T. Varzhapetyan; A. Atanasovasubject effetti di coerenza subject magnetometria subject pettroscopia laser



*IV International Symposium: Laser Technologies and Lasers (LTL Plovdiv'2005), Plovdiv, Bulgaria, 2005*

<http://www.cnr.it/prodotto/i/116534>

info:cnr-pdr/source/autori:S. Cartaleva, D. Slavov, T. Kraulanov, C. Andreeva, L. Petrov, N. Petrov, Y. Dancheva, V. Biancalana, G. Bevilacqua, C. Marinelli, L. Moi, G. Alzetta, S. Gozzini, A. Lucchesini, K. Nasyrov, M. Auzinsh, K. Blush, D. Sarkisyan, T. Varzhapetyan, A. Atanasova/congresso\_nome:IV International Symposium: Laser Technologies and Lasers (LTL Plovdiv'2005)/congresso\_luogo:Plovdiv, Bulgaria/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**25)-Characterization of some pleiotropic effects caused by low phytic acid mutation in maize**

E. Doria; L. Galleschi; C. Pinzino; L. Calucci; R. Pilu; E. Nielsen

*VII Convegno FISV, Riva del Garda (TN), 2005*

<http://www.cnr.it/prodotto/i/116545>

info:cnr-pdr/source/autori:E. Doria, L. Galleschi, C. Pinzino, L. Calucci, R. Pilu, E. Nielsen/congresso\_nome:VII Convegno FISV/congresso\_luogo:Riva del Garda (TN)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**26)-An optical trap for ultracold rubidium molecules**

J. Lozeille; A. Fioretti; C. Gabbanini

*MMD Meeting, Genova, 2005*

<http://www.cnr.it/prodotto/i/116547>

info:cnr-pdr/source/autori: J. Lozeille, A. Fioretti and C. Gabbanini/congresso\_nome:MMD Meeting/congresso\_luogo:Genova/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**27)-An Anionic Porphyrin in Cationic Cyclodextrin Vesicles: Novel Nanoaggregates Delivered in Cells for PDT**

A. Mazzaglia; N. Angelini; D. Lombardo; N. Micali; S. Patanè; M.T. Sciortino; V. Villari; L. Monsù Scolaro

*ACC2005 Third Asian Cyclodextrin Conference, Tianjin (Cina), 2005*

<http://www.cnr.it/prodotto/i/116555>

info:cnr-pdr/source/autori:A. Mazzaglia, N. Angelini, D. Lombardo, N. Micali, S. Patanè, M.T. Sciortino, V. Villari, and L. Monsù Scolaro/congresso\_nome:ACC2005 Third Asian Cyclodextrin Conference/congresso\_luogo:Tianjin (Cina)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**28)-Vesicles of Glycosylated Cyclodextrin for Specific Recognition of Cellular Receptors as Investigated by Combination of Light Scattering and Cryo-TEM.**

A. Mazzaglia; A. Valerio; V. Villari; A. Rencurosi; L. Lay; L. Monsù Scolaro; N. Micali; N.; N. Santo

*Microscopy Conference 6. Dreiländertagung 2005, Davos, Switzerland, 2005*

<http://www.cnr.it/prodotto/i/116575>

info:cnr-pdr/source/autori:A. Mazzaglia, A. Valerio, V. Villari, A. Rencurosi, L. Lay, L. Monsù Scolaro, N. Micali, N. and N. Santo/congresso\_nome:Microscopy Conference 6. Dreiländertagung 2005/congresso\_luogo:Davos, Switzerland/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**29)-Self Assembled Cyclodextrin/Protein Systems: from the Glycosylated Cyclodextrin to the Specific Recognition of Lectins with Glycoligand Nanoaggregates**

A. Mazzaglia; A. Valerio; V. Villari; A. Rencurosi; L. Lay; S. Spadaro; L. Monsù Scolaro; N. Micali

*VII Congresso nazionale di Chimica Supramolecolare, Firenze, 2005*

<http://www.cnr.it/prodotto/i/116576>

info:cnr-pdr/source/autori:A. Mazzaglia, A. Valerio, V. Villari, A. Rencurosi, L. Lay, S. Spadaro, L. Monsù Scolaro, and N. Micali/congresso\_nome:VII Congresso nazionale di Chimica

Supramolecolare/congresso\_luogo:Firenze/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**30)-Cell Targeting Systems: from the Glycosylated Cyclodextrin to the Specific Recognition of Lectins with Glycoligand Nanoaggregates**

A. Mazzaglia; A. Valerio; V. Villari; A. Rencurosi; L. Lay; S. Spadaro; L. Monsù Scolaro; N. Micali

*XVIII International Symposium on Glycoconjugates, Firenze, 2005*

<http://www.cnr.it/prodotto/i/116577>

info:cnr-pdr/source/autori:A. Mazzaglia, A. Valerio, V. Villari, A. Rencurosi, L. Lay, S. Spadaro, L. Monsù Scolaro and N. Micali/congresso\_nome:XVIII International Symposium on Glycoconjugates/congresso\_luogo:Firenze/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**31)-Effects of wheat aging on flour properties as investigated by high and low resolution 1H NMR techniques**

L. Calucci; C. Forte; M. Geppi; G. Mollica; S. Pizzanelli  
subjectNMRsubjectwheat agingsubjectproton relaxation

*MMD Meeting, Genova, 2005*

<http://www.cnr.it/prodotto/i/116603>

info:cnr-pdr/source/autori:L. Calucci, C. Forte, M. Geppi, G. Mollica, S. Pizzanelli/congresso\_nome:MMD

Meeting/congresso\_luogo:Genova/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### 32)-EPR studies of biological membranes and proteins

L. Calucci; L. Galeschi; F. Navari-Izzo; C. Pinzino  
subjectproteinssubjectmembranes  
subjectspin labelingsubjectspin probingsubjectEPR spectroscopy

*MMD Meeting, Genova, 2005*

<http://www.cnr.it/prodotto/i/116604>

info:cnr-pdr/source/autori:L. Calucci, L. Galeschi, F. Navari-Izzo, C. Pinzino/congresso\_nome:MMD

Meeting/congresso\_luogo:Genova/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### 33)-Electronic Communication in metallo-organic complexes as studied by EPR spectroscopy

L. Calucci; F. Cicogna; G. Ingrosso; C. Pinzino  
subjectEPR spectroscopy  
subjectDFTsubjectelectronic communications  
subjectmetallorganic complexes

*MMD Meeting, Genova, 2005*

<http://www.cnr.it/prodotto/i/116605>

info:cnr-pdr/source/autori:L. Calucci, F. Cicogna, G. Ingrosso, C. Pinzino/congresso\_nome:MMD

Meeting/congresso\_luogo:Genova/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### 34)-Tetrazine-bridged binuclear Ru-pentaammine isomeric complexes

I. Cacelli; L. Calucci; G. Denti; A. Ferretti; C. Forte; S. Tampucci  
subjecttetrazinesubjectruthenium  
subjectNMR spectroscopy  
subjectUV-Vis spectroscopy  
subjectmixed valence complexes

*MMD Meeting, Genova, 2005*

<http://www.cnr.it/prodotto/i/116606>

info:cnr-pdr/source/autori:I. Cacelli, L. Calucci, G. Denti, A. Ferretti, C. Forte, S. Tampucci/congresso\_nome:MMD

Meeting/congresso\_luogo:Genova/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### 35)-Investigation of molecular structure and phase organization of banana-shaped liquid crystals by NMR spectroscopy

L. Calucci; V. Domenici; K. Fodor-Csorba; C. Forte; M. Geppi; S. Pizzanelli; C. A. Veracini  
subjectliquid crystalssubjectbanana mesogens  
subjectdeuterium NMR

*MMD Meeting, Genova, 2005*

<http://www.cnr.it/prodotto/i/116607>

info:cnr-pdr/source/autori:L. Calucci, V. Domenici, K. Fodor-Csorba, C. Forte, M. Geppi, S. Pizzanelli, C. A. Veracini/congresso\_nome:MMD Meeting/congresso\_luogo:Genova/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**36)-Can Computational Methods Explain and Even Predict Diastereoselectivity in the Rh-catalyzed Annulation of a Chiral Aldehyde?**

Alagona Giuliano; Ghio Caterina; Lazzaroni Raffaello

*XXXI CONGRESO DE QUÍMICOS TEÓRICOS DE EXPRESIÓN LATINA, Isla de Margarita (Venezuela), 2005*

<http://www.cnr.it/prodotto/i/116615>

info:cnr-pdr/source/autori:Alagona Giuliano, Ghio Caterina, Lazzaroni Raffaello/congresso\_nome:XXXI CONGRESO DE QUÍMICOS TEÓRICOS DE EXPRESIÓN LATINA/congresso\_luogo:Isla de Margarita (Venezuela)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**37)-Conformational Analysis for Protonated Serotonin in Vacuo and in Aqueous Solution. Docking into a 5-HT<sub>2A</sub> Receptor Model**

Alagona Giuliano; Ghio Caterina; Nagy Peter I.

*XXXI CONGRESO DE QUÍMICOS TEÓRICOS DE EXPRESIÓN LATINA, Isla de Margarita (Venezuela), 2005*

<http://www.cnr.it/prodotto/i/116616>

info:cnr-pdr/source/autori:Alagona Giuliano, Ghio Caterina, Nagy Peter I./congresso\_nome:XXXI CONGRESO DE QUÍMICOS TEÓRICOS DE EXPRESIÓN LATINA/congresso\_luogo:Isla de Margarita (Venezuela)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**38)-Effects of the Computational Description on Alkyl-Rhodium Transition States in Chiral Olefin Hydroformylation**

Alagona Giuliano; Ghio Caterina/subjectUnmodified Rh catalysts/subjectRegioselectivity/subjectDiastereoselectivity/subjectChiral discrimination  
*WATOC 2005 - Modelling Structure and Reactivity, Cape Town (South Africa), 2005*

<http://www.cnr.it/prodotto/i/116617>

info:cnr-pdr/source/autori:Alagona Giuliano, Ghio Caterina/congresso\_nome:WATOC 2005 - Modelling Structure and Reactivity/congresso\_luogo:Cape Town (South Africa)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**39)-Solvent Effects on two Pterocarpans with Biological Activity: Continuum vs Discrete Approaches**

Alagona Giuliano; Ghio Caterina/subjectIsoflavonoidssubjectNatural compoundssubjectStructure

*WATOC 2005 - Modelling Structure and Reactivity, Cape Town (South Africa), 2005*

<http://www.cnr.it/prodotto/i/116618>

info:cnr-pdr/source/autori:Alagona Giuliano, Ghio Caterina/congresso\_nome:WATOC 2005 - Modelling Structure and Reactivity/congresso\_luogo:Cape Town (South Africa)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**40)-Red phosphorescence Enhancement of novel Osmium(II) Complexes by metal transition ions.**

G. Calogero; N. Angelini; G. Di Marco; A. Garcia; E. Lalinde; M.T. Moreno; F. Puntoriero; S. Campagna.subjectphotophysicssubjectluminescencesubjectcomplexessubjectosmiumsubjectsynthesis

*VII Congresso di Chimica Supramolecolare, Firenze, 4-7 Settembre, 2005*

<http://www.cnr.it/prodotto/i/116637>

info:cnr-pdr/source/autori:G. Calogero, N. Angelini, G. Di Marco, A. Garcia, E. Lalinde, M.T. Moreno, F. Puntoriero, S. Campagna./congresso\_nome:VII Congresso di Chimica Supramolecolare/congresso\_luogo:Firenze/congresso\_data:4-7 Settembre, 2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**41)-CARBON NANOCRYSTALS PRODUCED BY PULSED LASER ABLATION OF CARBON**

A. Mangione; L. Torrisi; A. Picciotto; F. Caridi; D. Margarone; E. Fazio; A. La Mantia; G. Di Marco; M. Bitner/subjectLaser AblationsubjectnanostructuresubjectFTIR

*2nd Workshop 'Production of Intense Beams of Highly charged Ions (PIBHI 2005) & 2nd Workshop 'Plasma Production by Laser Ablation' (PPLA 2005)., Giardini Naxos, Messina, Italy, 8-11 Giugno, 2005*

<http://www.cnr.it/prodotto/i/116652>

info:cnr-pdr/source/autori:A. Mangione, L. Torrisi, A. Picciotto, F. Caridi, D. Margarone, E. Fazio, A. La Mantia, G. Di Marco, M. Bitner/congresso\_nome:2nd Workshop 'Production of Intense Beams of Highly charged Ions (PIBHI 2005) & 2nd Workshop 'Plasma Production by Laser Ablation' (PPLA 2005)./congresso\_luogo:Giardini Naxos, Messina, Italy/congresso\_data:8-11 Giugno, 2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**42)-Ambipolar Organic Light Emitting Transistors with high and balanced mobilities using layered structures**

R. Capelli; F. Dinelli; M. A. Loi; M. Murgia; A. Facchetti; M. Muccini

*ECME 8, Bologna, 2005*

<http://www.cnr.it/prodotto/i/116657>

info:cnr-pdr/source/autori:R. Capelli, F. Dinelli, M. A. Loi, M. Murgia, A. Facchetti, M. Muccini/congresso\_nome:ECME  
8/congresso\_luogo:Bologna/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **43)-Non equilibrium thermodynamics with internal variables in Klutenberg's theory**

V. Ciancio; F. Farsaci; A. Bartolotta

*INTERNATIONAL CONFERENCE AND SUMMERSCHOOL - Thermal theories of continua: Survey and developments, Messina, Italy, 2005*

<http://www.cnr.it/prodotto/i/116659>

info:cnr-pdr/source/autori:V. Ciancio, F. Farsaci, A. Bartolotta/congresso\_nome:INTERNATIONAL CONFERENCE AND SUMMERSCHOOL - Thermal theories of continua: Survey and developments/congresso\_luogo:Messina, Italy/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **44)-Proprietà ottiche ed elettroniche di film di tiosolfato di manganese e complessi metallici della porfirina H<sub>2</sub>T<sub>4</sub>**

Silipigni L.; De Luca G.; Quattrone T.; Monsù Scolaro L.; Salvato G.; Grasso V.

*XCI Congresso SIF, Catania, 2005*

<http://www.cnr.it/prodotto/i/116677>

info:cnr-pdr/source/autori:Silipigni L., De Luca G., Quattrone T., Monsù Scolaro L., Salvato G., Grasso V./congresso\_nome:XCI Congresso SIF/congresso\_luogo:Catania/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **45)-XPS spectra of layered Li<sub>2</sub>xMn<sub>1-x</sub>PS<sub>3</sub>**

Silipigni L.; De Luca G.; Quattrone T.; Monsù Scolaro L.; Salvato G.; Grasso V.

*MMD Meeting, Genova, 2005*

<http://www.cnr.it/prodotto/i/116678>

info:cnr-pdr/source/autori:Silipigni L., De Luca G., Quattrone T., Monsù Scolaro L., Salvato G., Grasso V./congresso\_nome:MMD Meeting/congresso\_luogo:Genova/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **46)-Microwave assisted reactions without oven**

I. Longo (1); A.S. Ricci (1); N. Tosoratti (1); A. D'Ulivo (1); G.F. Denti (2)

*10th International Conference on Microwave and High Frequency Heating, Modena, 2005*

<http://www.cnr.it/prodotto/i/116695>

info:cnr-pdr/source/autori:I. Longo (1), A.S. Ricci (1), N. Tosoratti (1), A. D'Ulivo (1), G.F. Denti (2)/congresso\_nome:10th International Conference on Microwave and High Frequency Heating/congresso\_luogo:Modena/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**47)-A fully integrated microwave-UV source for photocatalytic reactions**

I. Longo; A.S. Ricci; N. Tosoratti

*XVI Congresso Nazionale della Società Chimica Italiana, Divisione di Chimica Industriale, Verbania-Pallanza, 2005*

<http://www.cnr.it/prodotto/i/116696>

info:cnr-pdr/source/autori:I. Longo, A.S. Ricci, N. Tosoratti/congresso\_nome:XVI Congresso Nazionale della Società Chimica Italiana, Divisione di Chimica Industriale/congresso\_luogo:Verbania-Pallanza/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**48)-New technologies for microwave chemistry**

I. Longo; A.S. Ricci; N. Tosoratti

*34 mo Congresso Nazionale della Società Chimica Italiana, Divisione di Chimica Fisica, Siena, 2005*

<http://www.cnr.it/prodotto/i/116697>

info:cnr-pdr/source/autori:I. Longo, A.S. Ricci, N. Tosoratti/congresso\_nome:34 mo Congresso Nazionale della Società Chimica Italiana, Divisione di Chimica Fisica/congresso\_luogo:Siena/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**49)-Sviluppo di dispositivi per la chimica a microonde**

I. Longo (1); A.S. Ricci (1); N. Tosoratti (1); G. Denti (2); G. Marconi (2)

*XCI Congresso Nazionale della Società Italiana di Fisica – SIF, Catania, 2005*

<http://www.cnr.it/prodotto/i/116698>

info:cnr-pdr/source/autori:I. Longo (1), A.S. Ricci (1), N. Tosoratti (1), G. Denti (2), G. Marconi (2)/congresso\_nome:XCI Congresso Nazionale della Società Italiana di Fisica – SIF/congresso\_luogo:Catania/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

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

C. Ferrari; E. Tombari; E. Matteoli; L. Lepori; G. Salvetti

*MEDICTA 2005, Salonicco, Grecia, 2005*

<http://www.cnr.it/prodotto/i/116706>

info:cnr-pdr/source/autori:C. Ferrari, E. Tombari , E. Matteoli , L. Lepori, G. Salvetti/congresso\_nome:MEDICTA 2005/congresso\_luogo:Salonicco, Grecia/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**51)-Counterintuitive freezing of a liquid on heating and crystal's melting on cooling**

E. Tombari (1); C. Ferrari (1); G. Salvetti (1); G. P. Johari (2)

*MEDICTA 2005 "7th Mediterranean Conference on Calorimetry and Thermal Analysis", Salonicco, Grecia, 2005*

<http://www.cnr.it/prodotto/i/116707>

info:cnr-pdr/source/autori:E. Tombari (1), C. Ferrari (1), G. Salvetti (1), G. P. Johari (2)/congresso\_nome:MEDICTA 2005 "7th Mediterranean Conference on Calorimetry and Thermal Analysis"/congresso\_luogo:Salonicco, Grecia/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**52)-CARD: An Instrument for combining Calorimetry Rehometry and Dielectric Spectroscopy**

C. Ferrari; E. Tombari; G. Salvetti

*MEDICTA 2005 "7th Mediterranean Conference on Calorimetry and Thermal Analysis", Salonicco, Grecia, 2005*

<http://www.cnr.it/prodotto/i/116708>

info:cnr-pdr/source/autori:C. Ferrari, E. Tombari, G. Salvetti/congresso\_nome:MEDICTA 2005 "7th Mediterranean Conference on Calorimetry and Thermal Analysis"/congresso\_luogo:Salonicco, Grecia/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**53)-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)

*7° Congresso Italiano di Scienza e Tecnologia degli Alimenti (CISETA), Cernobbio (CO), 2005*

<http://www.cnr.it/prodotto/i/116709>

info:cnr-pdr/source/autori:M. Angiuli (1), C. Ferrari (1), L. Lepori (1), E. Matteoli (1), G. Salvetti (1), E. Tombari (1), A. Banti (2), N. Minnaja (2)/congresso\_nome:7° Congresso Italiano di Scienza e Tecnologia degli Alimenti (CISETA)/congresso\_luogo:Cernobbio (CO)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**54)-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)



7° Congresso Italiano di Scienza e Tecnologia degli Alimenti (CISETA), Cernobbio (CO), 2005  
<http://www.cnr.it/prodotto/i/116710>

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:7° Congresso Italiano di Scienza e Tecnologia degli Alimenti (CISETA)/congresso\_luogo:Cernobbio (CO)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **55)-Video-Confocal Microscopy: Principles and Applications**

Pier Alberto Benedetti and Dante Guidarini  
subjectmicroscopia ottica  
subjectmicroscopia confocale  
subjectfluorescenza  
subjectrisoluzione spaziale  
*Superresolution and Photonics, Calcutta (India), 2005*  
<http://www.cnr.it/prodotto/i/116726>

info:cnr-pdr/source/autori:Pier Alberto Benedetti and Dante Guidarini/congresso\_nome:Superresolution and Photonics/congresso\_luogo:Calcutta (India)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **56)-"Scanning Electro-Optic Microscopy of Ferroelectrics"**

O. Tikhomirov; M. Labardi; C. Ascoli; M. Allegrini  
*International Symposium Micro- and Nano-Scale Domain Structuring in Ferroelectrics, Ekaterinburg (Russia), 2005*  
<http://www.cnr.it/prodotto/i/116733>

info:cnr-pdr/source/autori:O. Tikhomirov, M. Labardi, C. Ascoli, M. Allegrini,/congresso\_nome:International Symposium Micro- and Nano-Scale Domain Structuring in Ferroelectrics/congresso\_luogo:Ekaterinburg (Russia)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **57)-Conformation and orientation of cationic tetraalanine in a lyotropic liquid crystal studied by Nuclear Magnetic Resonance.**

C. Forte; S. Monti; S. Pizzanelli  
*Matter, Materials and Devices Meeting, Genova, 2005*  
<http://www.cnr.it/prodotto/i/116742>

info:cnr-pdr/source/autori:C. Forte, S. Monti, S. Pizzanelli/congresso\_nome:Matter, Materials and Devices Meeting/congresso\_luogo:Genova/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **58)-Morphology and dynamics of SBS from <sup>1</sup>H solid state NMR.**

C. Forte; M. Geppi; S. Pizzanelli  
*Matter, Materials and Devices Meeting, Genova, 2005*

<http://www.cnr.it/prodotto/i/116743>

info:cnr-pdr/source/autori:C. Forte, M. Geppi, S. Pizzanelli/congresso\_nome:Matter, Materials and Devices Meeting/congresso\_luogo:Genova/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**59)-Bioremediation di metalli pesanti mediante Rhodobacter sphaeroides R-26.1: studio analitico e proteomico del caso del cobalto**

F. Italiano; F. Pisani; A. Agostiano; M. Trotta; F. Milano; ; L. R. Ceci; F. De Leo; R. Gallerani; A. Buccolieri; L. Giotta

subjectheavy metalssubjectrhodobacter sphaeroides

5° Sigma Aldrich Young Chemists Symposium (S.A.Y.C.S.), Riccione (RN), Italy, 10-12/10/2005

<http://www.cnr.it/prodotto/i/116748>

info:cnr-pdr/source/autori:F. Italiano, F. Pisani, A. Agostiano, M. Trotta, F. Milano, , L. R. Ceci, F. De Leo, R. Gallerani, A. Buccolieri, L. Giotta/congresso\_nome:5° Sigma Aldrich Young Chemists Symposium (S.A.Y.C.S.)/congresso\_luogo:Riccione (RN), Italy/congresso\_data:10-12/10/2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**60)-Heavy metals influence on the photosynthetic apparatus of the purple non-sulfur bacterium Rhodobacter sphaeroides**

F. Italiano; A. Agostiano; M. Trotta; L. Giotta; L.R. Ceci; F. Pisani; F. De Leo; R. Gallerani

subjectRhodobacter sphaeroidessubjectHeavy Metals

1st European Conference on Chemistry for Life Sciences, Rimini, Italy, 4-8/10/2005

<http://www.cnr.it/prodotto/i/116750>

info:cnr-pdr/source/autori:F. Italiano, A. Agostiano, M. Trotta, L. Giotta, L.R. Ceci, F. Pisani, F. De Leo, R. Gallerani/congresso\_nome:1st European Conference on Chemistry for Life Sciences/congresso\_luogo:Rimini, Italy/congresso\_data:4-8/10/2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**61)-Properties of dodecyl-maltoside solubilized photosynthetic complexes from chromatophores of Rb. sphaeroides**

L. Giotta; F. Milano; F. Italiano; M.V. Savoia; A. Agostiano; M. Trotta

subjectrhodobacter sphaeroidessubjectcytochrome bc1

1st European Conference on Chemistry for Life Sciences, Rimini, Italy, 04-08/10/2005

<http://www.cnr.it/prodotto/i/116752>

info:cnr-pdr/source/autori:L. Giotta, F. Milano, F. Italiano, M.V. Savoia, A. Agostiano and M. Trotta/congresso\_nome:1st European Conference on Chemistry for Life Sciences/congresso\_luogo:Rimini, Italy/congresso\_data:04-08/10/2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**62)-Activation parameters of the first interquinone electron transfer in bacterial photosynthetic reaction centers reconstituted in liposomes of physiologically important phospholipids**

F. Milano; M. Dorogi; K. Szebényi; L. Nagy; P. Maróti; Gy. Váró; L. Giotta; A. Agostiano; M. Trotta  
subject:quinones;subject:electron transfers;subject:reaction center

*1st European Conference on Chemistry for Life Sciences, Rimini, Italy, 4-8/10/2005*

<http://www.cnr.it/prodotto/i/116754>

info:cnr-pdr/source/autori:F. Milano, M. Dorogi, K. Szebényi, L. Nagy, P. Maróti, Gy. Váró, L. Giotta, A. Agostiano and M. Trotta/congresso\_nome:1st European Conference on Chemistry for Life Sciences/congresso\_luogo:Rimini, Italy/congresso\_data:4-8/10/2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**63)-Protein-lipid interaction: a temperature and pH dependence study of charge recombination reaction of photosynthetic reaction centres embedded in proteoliposomes**

M. Trotta; L. Giotta; G. Lasorella; F. Mavelli; F. Milano; L. Simonetti; P. Maróti; L. Nagy; A. Agostiano  
subject:proton transfers;subject:reaction center

*XVIIIth International Symposium on Bioelectrochemistry and Bioenergetics, Coimbra (Pt), 19-24/06/2005*

<http://www.cnr.it/prodotto/i/116756>

info:cnr-pdr/source/autori:M. Trotta, L. Giotta, G. Lasorella, F. Mavelli, F. Milano, L. Simonetti, P. Maróti, L. Nagy and A. Agostiano/congresso\_nome:XVIIIth International Symposium on Bioelectrochemistry and Bioenergetics/congresso\_luogo:Coimbra (Pt)/congresso\_data:19-24/06/2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**64)-Indagine proteomica sull'adattamento della crescita di Rhodobacter sphaeroides R-26.1 a metalli pesanti**

F. Pisani; F. Italiano; A. Agostiano; M. Trotta; L. Giotta; L. R. Ceci; F. De Leo; R. Gallerani  
subject:bioremediations;subject:heavy metals;subject:rhodobacter sphaeroides

*Prima Scuola Nazionale di Metodologie Chimico-Fisiche per lo studio di sistemi biologici, Martina Franca (ITA), 05/09/2005-09/09/2005*

<http://www.cnr.it/prodotto/i/116759>

info:cnr-pdr/source/autori:F. Pisani, F. Italiano, A. Agostiano, M. Trotta, L. Giotta, L. R. Ceci, F. De Leo, R. Gallerani/congresso\_nome:Prima Scuola Nazionale di Metodologie Chimico-Fisiche per lo studio di sistemi biologici/congresso\_luogo:Martina Franca (ITA)/congresso\_data:05/09/2005-09/09/2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**65)-Photosynthetic bacteria as a tool for heavy metal removal**

F. Italiano; A. Agostiano; F. Milano; M. Trotta; A. Dell'Atti; A. Buccolieri; G. Buccolieri; L. Giotta; L.R. Ceci; F. Pisani; F. De Leo; R. Gallerani  
subject:heavy metals;subject:rhodobacter sphaeroides

*XLIX Congresso Società Italiana Genetica Agraria, Potenza (ITA), 12-15/09/2005*

<http://www.cnr.it/prodotto/i/116765>

info:cnr-pdr/source/autori:F. Italiano, A. Agostiano, F. Milano, M. Trotta, A. Dell'Atti, A. Buccolieri, G. Buccolieri, L. Giotta, L.R. Ceci, F. Pisani, F. De Leo, R. Gallerani/congresso\_nome:XLIX Congresso Società Italiana Genetica Agraria/congresso\_luogo:Potenza (ITA)/congresso\_data:12-15/09/2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**66)-Bioremediation di siti inquinati: le potenzialità della fotosintesi anossigenica nella rimozione dei metalli pesanti**

F. Italiano; A. Agostiano; F. Milano; M. Trotta; A. Dell'Atti; A. Buccolieri; G. Buccolieri; L. Giotta; L.R. Ceci; F. Pisani; F. De Leo; R. Gallerani  
subjectmetalli pesantisubjectrhodobacter sphaeroides

*III Conferenza Organizzativa "Inquinamento da metalli pesanti: la biodisponibilità", Sassari (Ita), 5-6/05/2005*

<http://www.cnr.it/prodotto/i/116782>

info:cnr-pdr/source/autori:F. Italiano, A. Agostiano, F. Milano, M. Trotta, A. Dell'Atti, A. Buccolieri, G. Buccolieri, L. Giotta, L.R. Ceci, F. Pisani, F. De Leo, R. Gallerani/congresso\_nome:III Conferenza Organizzativa "Inquinamento da metalli pesanti: la biodisponibilità"/congresso\_luogo:Sassari (Ita)/congresso\_data:5-6/05/2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**67)-Multidimensional light microscopy**

Pier Alberto Benedetti  
subjectmicroscopia otticasubjectmicroscopia confocalesubjectfluorescenza  
subjectrisoluzione spazialesubjectstrumentazione

*31o Congresso Nazionale della Società Italiana di Istochimica, Pisa, 2005*

<http://www.cnr.it/prodotto/i/116783>

info:cnr-pdr/source/autori:Pier Alberto Benedetti/congresso\_nome:31o Congresso Nazionale della Società Italiana di Istochimica/congresso\_luogo:Pisa/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**68)-Heavy metals and photosynthetic anoxygenic bacteria: the case of Rhodobacter sphaeroides**

F. Italiano; A. Agostiano; L. Giotta; F. Milano; M. Trotta; A. Dell'Atti; A. Buccolieri; G. Buccolieri; L. Ceci; F. Pisani; F. DeLeo; R. Gallerani  
subjectheavy metalssubjectrhodobacter sphaeroides

*2nd congress Italian Proteome Society, Viterbo (Italy), 29/05/2005-01/6/2005*

<http://www.cnr.it/prodotto/i/116785>

info:cnr-pdr/source/autori:F. Italiano, A. Agostiano, L. Giotta, F. Milano, M. Trotta, A. Dell'Atti, A. Buccolieri, G. Buccolieri, L. Ceci, F. Pisani, F. DeLeo, R. Gallerani/congresso\_nome:2nd congress Italian Proteome Society/congresso\_luogo:Viterbo (Italy)/congresso\_data:29/05/2005-01/6/2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**69)-Pros and cons in structured illumination microscopies**

Pier Alberto Benedetti and Dante Guidarini/subjectmicroscopia ottica/subjectmicroscopia confocale/subjectfluorescenza/subjectrisoluzione spaziale/subjectstrumentazione

*Focus on Microscopy 2005, Jena (D), 2005*

<http://www.cnr.it/prodotto/i/116786>

info:cnr-pdr/source/autori:Pier Alberto Benedetti and Dante Guidarini/congresso\_nome:Focus on Microscopy 2005/congresso\_luogo:Jena (D)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**70)-Protein/lipid interaction: the role of phosphatidylglycerol in stabilizing the charge separated state of stabilization photosynthetic reaction center**

M. Trotta; L. Giotta; G. Lasorella; F. Mavelli; F. Milano; L. Simonetti; M. Dorogi; P. Maróti; L. Nagy; A. Agostiano/subjectphospholipid/subjectreaction center

*XXXIV Congresso Nazionale di Chimica Fisica, Siena (Italy), 20-24/06/2005*

<http://www.cnr.it/prodotto/i/116787>

info:cnr-pdr/source/autori:M. Trotta, L. Giotta, G. Lasorella, F. Mavelli, F. Milano, L. Simonetti, M. Dorogi, P. Maróti, L. Nagy, and A. Agostiano/congresso\_nome:XXXIV Congresso Nazionale di Chimica Fisica/congresso\_luogo:Siena (Italy)/congresso\_data:20-24/06/2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**71)-Pressure effects on the structure of CNx thin films deposited by laser ablation**

F. Barreca; E. Barletta; E. Fazio; F. Neri; S. Trusso; B. Fazio/subjectLaser Ablation/subjectCarbon Nitride

*Plasma production by laser ablation" (PIBHI&PPLA-2005), Giardini Naxos (ME) Italia, 2005*

<http://www.cnr.it/prodotto/i/116798>

info:cnr-pdr/source/autori:F. Barreca, E. Barletta, E. Fazio, F. Neri, S. Trusso, B. Fazio/congresso\_nome:Plasma production by laser ablation" (PIBHI&PPLA-2005)/congresso\_luogo:Giardini Naxos (ME) Italia/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**72)-Dynamics of a pulsed laser generated tin plasma expanding in an oxygen atmosphere**

2)F. Barreca; E. Barletta; E. Fazio; F. Neri; S. Trusso; B. Fazio/subjectLaser Ablation

*Plasma production by laser ablation" (PIBHI&PPLA-2005), Giardini Naxos (ME) Italia, 2005*

<http://www.cnr.it/prodotto/i/116799>

info:cnr-pdr/source/autori:2)F. Barreca, E. Barletta, E. Fazio, F. Neri, S. Trusso, B. Fazio/congresso\_nome:Plasma production by laser ablation” (PIBHI&PPLA-2005)/congresso\_luogo:Giardini Naxos (ME) Italia/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**73)-Spectroscopic investigation of the structural properties of Si1-xCx thin films**

E. Fazio; F. Barreca; M. Latino; F. Neri; S. Trusso  
subjectSilicon Carbides  
subjectLaser Ablation  
*XIX Convegno Nazionale Spettroscopia Raman ed Effetti Non Lineari, GNSR 2005, Cosenza, 2005*

<http://www.cnr.it/prodotto/i/116801>

info:cnr-pdr/source/autori:E. Fazio, F. Barreca, M. Latino, F. Neri, S. Trusso/congresso\_nome:XIX Convegno Nazionale Spettroscopia Raman ed Effetti Non Lineari, GNSR 2005/congresso\_luogo:Cosenza/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**74)-Sulla Rappresentazione Spettrale delle Onde BGK**

Nocera L.  
subjectplasmas  
subjectoscillationss  
subjectwavess  
subjectVlasov equations  
subjectvelocity  
Fourier transform  
*91mo Congresso Nazionale della Società Italiana di Fisica, Catania, 2005*

<http://www.cnr.it/prodotto/i/116816>

info:cnr-pdr/source/autori:Nocera L./congresso\_nome:91mo Congresso Nazionale della Società Italiana di Fisica/congresso\_luogo:Catania/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**75)-Brillouin spectroscopy in polymer solutions. Structural relaxation and molecular interactions in Poly(ethylene glycol)/Benzene mixture**

M. Pochylski; F. Aliotta; Z. Blaszcak; J. Gapinski  
*Phonon Spectroscopy Workshop, Puszczkowo, Poland, 2005*

<http://www.cnr.it/prodotto/i/116824>

info:cnr-pdr/source/autori:M. Pochylski, F. Aliotta, Z. Blaszcak, J. Gapinski/congresso\_nome:Phonon Spectroscopy Workshop/congresso\_luogo:Puszczkowo, Poland/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**76)-Brillouin spectroscopy in polymer solutions. Structural relaxation and molecular interactions in Poly(ethylene glycol)/Toluene mixture**

M. Pochylski; F. Aliotta; Z. Blaszcak; J. Gapinski  
*6th Liquid Matter Conference, Utrecht, Netherlands, 2005*

<http://www.cnr.it/prodotto/i/116826>

info:cnr-pdr/source/autori:M. Pochylski, F. Aliotta, Z. Blaszcak, J. Gapinski/congresso\_nome:6th Liquid Matter Conference/congresso\_luogo: Utrecht, Netherlands/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**77)-High-pressure phase diagram of the exp-6 model: the case of Xenon**

F. Saija; S. Prestipino; P. V. Giaquinta

*XCI Congresso Nazionale Società Italiana di Fisica, Catania, 2005*

<http://www.cnr.it/prodotto/i/116827>

info:cnr-pdr/source/autori:F. Saija, S. Prestipino, P. V. Giaquinta/congresso\_nome:XCI Congresso Nazionale Società Italiana di Fisica/congresso\_luogo:Catania/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**78)-Phase diagram of the Gaussian-core model**

S. Prestipino; F. Saija; P. V. Giaquinta

*XCI Congresso Nazionale Società Italiana di Fisica, Catania, 2005*

<http://www.cnr.it/prodotto/i/116828>

info:cnr-pdr/source/autori:S. Prestipino, F. Saija, P. V. Giaquinta/congresso\_nome:XCI Congresso Nazionale Società Italiana di Fisica/congresso\_luogo:Catania/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**79)-High-frequency dynamical behavior of Poly(ethylene glycol)+H<sub>2</sub>O Mixtures by Brillouin Spectroscopy**

M. Pochylski; F. Aliotta; Z. Blaszcak; J. Gapinski

*6th International Conference on Polymer Solvent Complexes and Intercalated PSCI-6, Manchester, UK, 2005*

<http://www.cnr.it/prodotto/i/116829>

info:cnr-pdr/source/autori:M. Pochylski, F. Aliotta, Z. Blaszcak, J. Gapinski/congresso\_nome:6th International Conference on Polymer Solvent Complexes and Intercalated PSCI-6/congresso\_luogo:Manchester, UK/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**80)-High-pressure phase diagram of the exp-6 model: The case of Xe**

S. Prestipino; F. Saija

*6th Liquid Matter Conference, Utrecht, 2005*

<http://www.cnr.it/prodotto/i/116830>

info:cnr-pdr/source/autori:S. Prestipino, F. Saija/congresso\_nome:6th Liquid Matter Conference/congresso\_luogo:Utrecht/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **81)-Phase diagram of the Gaussian-core model**

S. Prestipino; F. Saija; P. V. Giaquinta  
*6th Liquid Matter Conference, Utrecht, 2005*  
<http://www.cnr.it/prodotto/i/116831>

info:cnr-pdr/source/autori:S. Prestipino, F. Saija, P. V. Giaquinta/congresso\_nome:6th Liquid Matter Conference/congresso\_luogo:Utrecht/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **82)-Thermodynamic stability of the fluid-fluid phase separation in binary athermal mixtures**

G. Pellicane; F. Saija; C. Caccamo; P. V. Giaquinta  
*MMD Meeting – Matter, Materials and Devices, Genova, 2005*  
<http://www.cnr.it/prodotto/i/116832>

info:cnr-pdr/source/autori:G. Pellicane, F. Saija, C. Caccamo, P. V. Giaquinta/congresso\_nome:MMD Meeting – Matter, Materials and Devices/congresso\_luogo:Genova/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **83)-Albert Einstein e il moto Browniano**

F. Saija  
*Einstein e la Relatività cento anni dopo, Messina, 2005*  
<http://www.cnr.it/prodotto/i/116833>

info:cnr-pdr/source/autori:F. Saija/congresso\_nome:Einstein e la Relatività cento anni dopo/congresso\_luogo:Messina/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **84)-Spectroscopic Properties of Bulk and Dichromate-Oxidation Resistant Soil Organic Matter from an Anthroposequence in a Mediterranean Environment.**

Giacomo Certini; Claudia Forte; Luigi P. D'Acqui; Carolina A. Santi; Spectroscopic Properties of Bulk; Dichromate-Oxidation Resistant Soil Organic  
*Second Conference on Mechanisms of Soil Organic Matter Stabilization,, Monterey, 2005*  
<http://www.cnr.it/prodotto/i/116836>

info:cnr-pdr/source/autori:Giacomo Certini, Claudia Forte, Luigi P. D'Acqui, Carolina A. Santi, Spectroscopic Properties of Bulk and Dichromate-Oxidation Resistant Soil Organic/congresso\_nome:Second Conference on Mechanisms of Soil Organic Matter



Stabilization,/congresso\_luogo:Monterey/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a  
:/intervallo\_pagine:

**85)-Hybrid Nanocomposites Based On II-VI Semiconducting Nanocrystals In Organic Polymers**

M. Tamborra; A. Petrella; R. Comparelli; M. L. Curri; M. Striccoli; P. D. Cozzoli; A. Agostiano

*MMD Meeting 2005 Genova 22-25 June 2005., Genova, 2005*

<http://www.cnr.it/prodotto/i/116852>

info:cnr-pdr/source/autori:M. Tamborra, A. Petrella, R. Comparelli, M. L. Curri, M. Striccoli, P. D. Cozzoli, A. Agostiano/congresso\_nome:MMD Meeting 2005 Genova 22-25 June 2005./congresso\_luogo:Genova/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**86)-Nanocomposites Based On Luminescent Colloidal Nanocrystals In Organic Polymers: Novel Opportunities For Imprinting Lithography**

M. Tamborra; R. Comparelli; M. L. Curri; M. Striccoli; A. Petrella; A. Agostiano

*34° Congresso Nazionale SCI Divisione di Chimica Fisica Siena 20-24 Giugno 2005, Siena, 2005*

<http://www.cnr.it/prodotto/i/116853>

info:cnr-pdr/source/autori:M. Tamborra, R. Comparelli, M. L. Curri, M. Striccoli, A. Petrella, A. Agostiano/congresso\_nome:34° Congresso Nazionale SCI Divisione di Chimica Fisica Siena 20-24 Giugno 2005/congresso\_luogo:Siena/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**87)-Preparation Of Au -TiO<sub>2</sub> and Ag - TiO<sub>2</sub> Nanocomposite Thin Films For Opto-Chemical Sensors**

M.G. Manera; M. L. Curri; D. Cozzoli; R. Comparelli; G. Leo; L. Vasanelli; A. Agostiano; R. Rella

*AISEM - Associazione Italiana Sensori e Microsistemi X edizione Firenze, 15 - 17 Febbraio 2005., Firenze, 2005*

<http://www.cnr.it/prodotto/i/116854>

info:cnr-pdr/source/autori:M.G. Manera, M. L. Curri, D. Cozzoli, R. Comparelli, G. Leo, L. Vasanelli, A. Agostiano, R. Rella/congresso\_nome:AISEM - Associazione Italiana Sensori e Microsistemi X edizione Firenze, 15 - 17 Febbraio 2005./congresso\_luogo:Firenze/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**88)-An effective water phase transfer of organic capped CdS nanocrystals mediated by cyclodextrin**

N. Depalo; R. Comparelli; M. Striccoli; M. L. Curri; A. Agostiano

*MMD Meeting 2005 Genova 22-25 June 2005., Genova, 2005*

<http://www.cnr.it/prodotto/i/116855>

info:cnr-pdr/source/autori:N. Depalo, R. Comparelli, M. Striccoli, M. L. Curri, A. Agostiano/congresso\_nome:MMD Meeting 2005 Genova 22-25 June 2005./congresso\_luogo:Genova/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**89)-Host-Guest Chemistry: A Powerful Tool For Nanocrystal Self-Assembly**

N. Depalo; R. Comparelli; M. Striccoli; M.L. Curri; P. Fini; L. Catucci; A. Agostano

*34° Congresso Nazionale SCI Divisione di Chimica Fisica Siena 20-24 Giugno 2005, Siena, 2005*

<http://www.cnr.it/prodotto/i/116856>

info:cnr-pdr/source/autori:N. Depalo, R. Comparelli, M. Striccoli, M.L. Curri, P. Fini, L. Catucci, A. Agostano/congresso\_nome:34° Congresso Nazionale SCI Divisione di Chimica Fisica Siena 20-24 Giugno 2005/congresso\_luogo:Siena/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**90)-Novel Semiconductor/Metal Nanocomposite Photocatalysts: TiO<sub>2</sub> Nanorod-Stabilized Noble Metal Nanoparticles**

P. D. Cozzoli; E. Fanizza; R. Comparelli; M. L. Curri; A. Agostiano

*34° Congresso Nazionale SCI Divisione di Chimica Fisica Siena 20-24 Giugno 2005, Siena, 2005*

<http://www.cnr.it/prodotto/i/116857>

info:cnr-pdr/source/autori:P. D. Cozzoli, E. Fanizza, R. Comparelli, M. L. Curri, A. Agostiano/congresso\_nome:34° Congresso Nazionale SCI Divisione di Chimica Fisica Siena 20-24 Giugno 2005/congresso\_luogo:Siena/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**91)-Novel semiconductor/metal nanocomposite photocatalysts: TiO<sub>2</sub> nanorod-stabilized noble metal nanoparticles**

P. D. Cozzoli; E. Fanizza; R. Comparelli; M. L. Curri; D. Laub; A. Agostiano

*MDM INFM 2005 Genova June 2005., Genova, 2005*

<http://www.cnr.it/prodotto/i/116858>

info:cnr-pdr/source/autori:P. D. Cozzoli, E. Fanizza, R. Comparelli, M. L. Curri, D. Laub, A. Agostiano/congresso\_nome:MDM INFM 2005 Genova June

2005./congresso\_luogo:Genova/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**92)-Study Of The Photocatalytic Activity Of Nanocrystalline Coupled Catalysts In Immobilized Form**

R. Comparelli; M. Corricelli; F. Liuzzi; P.D. Cozzoli; M.L. Curri; G. Mascolo; A. Agostiano  
*34° Congresso Nazionale SCI Divisione di Chimica Fisica Siena 20-24 June 2005 (Comunicazione Orale), Siena, 2005*  
<http://www.cnr.it/prodotto/i/116859>

info:cnr-pdr/source/autori:R. Comparelli, M. Corricelli, F. Liuzzi, P.D. Cozzoli, M.L. Curri, G. Mascolo, A. Agostiano/congresso\_nome:34° Congresso Nazionale SCI Divisione di Chimica Fisica Siena 20-24 June 2005 (Comunicazione Orale)/congresso\_luogo:Siena/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**93)-“Fattori coinvolti nell’organizzazione supramolecolare del Fotosistema II di piante superiori”**

A. Ventrella; L. Catucci; A. Agostiano; N. Micali; L. Monsù Scolaro; E. Leonetti; A. Diviccaro  
*Prima Scuola Nazionale di Metodologie Chimico-Fisiche per lo Studio di Sistemi Biologici,, 5-9 Settembre 2005, Martina Fr, 2005*  
<http://www.cnr.it/prodotto/i/116863>

info:cnr-pdr/source/autori:A. Ventrella, L. Catucci, A. Agostiano, N. Micali, L. Monsù Scolaro, E. Leonetti, A. Diviccaro/congresso\_nome:Prima Scuola Nazionale di Metodologie Chimico-Fisiche per lo Studio di Sistemi Biologici,/congresso\_luogo:5-9 Settembre 2005, Martina Fr/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**94)-“Factors influencing supramolecular organization of Photosystem II”,**

L. Catucci; A. Ventrella; A. Agostiano; N. Micali; L. Monsù Scolaro; E. Leonetti; A. Diviccaro  
*34° Congresso Nazionale della Società Chimica Italiana, Divisione di Chimica-Fisica, , 20-24 Giugno 2005, Siena., 2005*  
<http://www.cnr.it/prodotto/i/116864>

info:cnr-pdr/source/autori:L. Catucci, A. Ventrella, A. Agostiano, N. Micali, L. Monsù Scolaro, E. Leonetti, A. Diviccaro/congresso\_nome:34° Congresso Nazionale della Società Chimica Italiana, Divisione di Chimica-Fisica/congresso\_luogo:., 20-24 Giugno 2005, Siena./congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**95)-Rose Bengal Photoactivity in Aqueous Solutions of Cyclodextrins**

P.Fini; L.Catucci; P.Cosma; P.L.Dentuto; A.Agostiano  
*XXXIV Congresso Nazionale di Chimica Fisica. Siena, Siena, 2005*  
<http://www.cnr.it/prodotto/i/116889>

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A.Agostiano/congresso\_nome:XXXIV Congresso Nazionale di Chimica Fisica.  
Siena/congresso\_luogo:Siena/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_  
pagine:

**96)-“Characterization study of CVD homoepitaxial diamond**

Donato M.G.; Faggio G.; Marinelli M.; Messina G.; Milani E.; Potenza R.; Pucella G.;  
Santangelo S.; Tuvé C.; Verona Rinati G

*16th European Conference “Diamond, diamond-like materials, nitrides and silicon carbide,  
Toulouse (F), 2005*

<http://www.cnr.it/prodotto/i/116932>

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Potenza R., Pucella G., Santangelo S., Tuvé C., Verona Rinati G/congresso\_nome:16th  
European Conference “Diamond, diamond-like materials, nitrides and silicon  
carbide/congresso\_luogo:Toulouse

(F)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**97)-Characterization of homoepitaxial diamond for ionizing radiation detectors**

Donato M.G.; Faggio G.; Messina G.; Pace E.; Santangelo S.; Verona Rinati G  
*AIOM 2005, 1st Conference on Advances in Optical Materials, Tucson, Arizona, 2005*

<http://www.cnr.it/prodotto/i/116933>

info:cnr-pdr/source/autori:Donato M.G., Faggio G., Messina G., Pace E., Santangelo S., Verona  
Rinati G/congresso\_nome:AIOM 2005, 1st Conference on Advances in Optical  
Materials/congresso\_luogo:Tucson,

Arizona/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**98)-Study of in-gap defects in intrinsic and B-doped a-SiC:H by means of optical absorption,  
Raman spectroscopy and photoluminescence**

Della Corte F.G.; Donato M. G.; Messina G.; Nigro M. A.; Santangelo S.; Summonte C  
*1st Conference on Advances in Optical Materials, Tucson, Arizona, 2005*

<http://www.cnr.it/prodotto/i/116934>

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Santangelo S., Summonte C/congresso\_nome:1st Conference on Advances in Optical  
Materials/congresso\_luogo:Tucson,

Arizona/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**99)-Multiple Electron Hole Chains in the Vlasov-Poisson Equations**

Nocera; L.subjectPlasmassubjectEquazione di VlasovsubjectOnde BGKsubjectAnalisi  
numericasubjectchemi ENO

*91mo Congresso Nazionale della Società Italiana di Fisica, pp. 116–116, Catania, 26/09/2005*

<http://www.cnr.it/prodotto/i/116938>

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**100)-THE INFRARED AND VIBRATIONAL CIRCULAR DICHROISM SPECTRA OF (S)-PROLINE IN WATER: AN AB INITIO STUDY**

Rizzo; A.

*International Conference of Computational Methods in Sciences and Engineering 2005 (ICCMSE 2005), Loutraki, Korinthos, Greece, 2005*

<http://www.cnr.it/prodotto/i/117093>

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**101)-TWO-PHOTON CIRCULAR DICHROISM: A RESPONSE THEORY APPROACH TO NON-LINEAR PROPERTIES OF CHIRAL SYSTEMS**

Rizzo; A.

*13th European Seminar on Computational Methods in Quantum Chemistry, Bratislava, Svovak Republic, 2005*

<http://www.cnr.it/prodotto/i/117094>

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**102)-NON LINEAR MIXED ELECTRIC AND MAGNETIC FREQUENCY DEPENDENT PROPERTIES: A CHALLENGE FOR THEORY, COMPUTATION AND EXPERIMENT**

Rizzo; A.

*45th Sanibel Symposium, St. Simons Island, Georgia, US, 2005*

<http://www.cnr.it/prodotto/i/117095>

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**103)-QUANTO SONO ACCURATI I MOMENTI DI QUADRUPOLO MOLECOLARE E LE MAGNETIZZABILITÀ MISURATI IN ESPERIMENTI DI BIRIFRANGENZA?**

Rizzo; A.

*34o Congresso Nazionale, Società di Chimica Italiana, Divisione di Chimica Fisica, Siena, 2005*

<http://www.cnr.it/prodotto/i/117105>

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**104)-Push-rod dilatometry measurements at IMGC**

G.C. Bussolino; A. Actis; F. Girard

2005

<urn:isbn:953-6313-72-3>

info:cnr-pdr/source/autori:G.C. Bussolino, A. Actis, F. Girard/titolo:Push-rod dilatometry measurements at IMGC/editore:/anno:2005

**105)-LuS, LidotecaScientifica sperimentando in Fisica e dintorni**

Nadia Ioli Pierazzini e Francesca Riccioni/subject:Giocando con la Fisica/subject:Catalogo Mostra

2005

<http://www.cnr.it/prodotto/i/137234>

info:cnr-pdr/source/autori:Nadia Ioli Pierazzini e Francesca Riccioni/titolo:LuS, LidotecaScientifica sperimentando in Fisica e dintorni/editore:/anno:2005

**106)-Kinetics of proton uptake during photocycle of reaction center of photosynthetic bacteria**

Francesco Milano; László Gerencsér; Angela Agostiano; Livia Giotta; László Nagy; Massimo Trotta; Péter Maróti

*Photosynthesis: Fundamental Aspects to Global Perspectives, edited by A. van der Est and D. Bruce Eds, pp. 213–215. Lawrence: Allen Press, 2005*

<http://www.cnr.it/prodotto/i/137235>

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/anno:2005

**107)-A long living charge separated state in photosynthetic Reaction Center in negatively charged proteoliposomes**

Livia Giotta; Francesco Milano; Angela Agostiano; Massimo Trotta

*Photosynthesis: Fundamental Aspects to Global Perspectives*, edited by A. van der Est and D. Bruce Eds, pp. 217–219. Lawrence: Allen Press, 2005

<http://www.cnr.it/prodotto/i/137236>

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**108)-Surface scanning probe microscopy of biomolecules**

Ascoli C

, 2005

<http://www.cnr.it/prodotto/i/137258>

info:cnr-pdr/source/autori:Ascoli C/titolo:Surface scanning probe microscopy of biomolecules/titolo\_volume:/curatori\_volume:/editore:/anno:2005

**109)-Fabrication process of a trench gate power MOS transistor with scaled channel**

Currò G.;

*US 6,887,760 B2, Internazionale*

<http://www.cnr.it/prodotto/i/144965>

**110)-Calorimetri Multimodo a basso costo (CMBC)**

G. Salvetti(1);

*PI2005A000020*

<http://www.cnr.it/prodotto/i/144977>

**111)-CARD – Un metodo e strumento per la misura combinata delle proprietà CALorimetriche, Reologiche e Dielettriche combinate**

G. Salvetti;

*PI2005A000011*

<http://www.cnr.it/prodotto/i/144979>

**112)-Ludoteca Scientifica**

Ioli Nadia; Gozzini Silvia; Mauro Tagliaferri subject Divulgazione scientificasubject Mostra interattivasubject Fisica

2005

<http://www.cnr.it/prodotto/i/149180>

**113)-Ludoteca Scientifica, Sperimentando in Fisica e dintorni.**

Nadia Ioli Pierazzini; Silvia Gozzini; Mauro Tagliaferri subject Mostra interattivasubject Divulgazione scientificasubject Fisica

2005

<http://www.cnr.it/prodotto/i/149181>

**114)-"CAPPS Thesaurus" - Sviluppo di un Thesaurus per l'indicizzazione di soggetti chimico-fisici.**

Lanza C. subject Dictionary subject Controlled vocabulary subject Word Nets subject Text mining

2005

<http://www.cnr.it/prodotto/i/151783>

**115)-Sviluppo di un Thesaurus per l'indicizzazione di soggetti chimico-fisici: studio di fattibilità**

Lanza C. subject Thesaurus; Classification; Indexing systems; Project management

2005

<http://www.cnr.it/prodotto/i/158304>

**116)-Star-Like Polymer Solutions Studied by Light and Neutron Scattering**

G. Di Marco; N. Micali; R. Ponterio; V. Villari; A. Heinemann subject Neutron scattering subject Polyme solution

2005

<http://www.cnr.it/prodotto/i/158314>

**117)-Interferometrical study of plasmas produced by nanosecond laser pulses in various gas-jets geometries**

M. Galimberti; A. Gamucci; A. Giulietti; C. Petcu; P. Tomassini

2005

<http://www.cnr.it/prodotto/i/158315>

**118)-R&D on bright, ultrafast x-ray sources driven by intense femtosecond laser pulses**

Leonida A. GIZZI; Marco GALIMBERTI; Antonio GIULIETTI; Danilo GIULIETTI; Petra KOESTER; Luca LABATE; Paolo TOMASSINI

2005



<http://www.cnr.it/prodotto/i/158316>

**119)-Nanoparticles for 2/3 D directed assembly**

M. L. Curri; R. Comparelli; E. Fanizza; M. Striccoli; P. Fini  
2005

<http://www.cnr.it/prodotto/i/158319>

**120)-Report on patterned 2D/3D assembly**

M. L. M: L. Curri; M. Striccoli; R. Comparelli; E. Fanizza; N. Depalo  
2005

<http://www.cnr.it/prodotto/i/158320>

**121)-Progress report on patterned 2D/3D assembly**

M. L. M: L. Curri; M. Striccoli; R. Comparelli; E. Fanizza  
2005

<http://www.cnr.it/prodotto/i/158321>

**122)-Nanoparticle functionalization with optimised properties for novel hybrid polymer materials**

M. Striccoli; M. L. Curri; M. Tamborra  
2005

<http://www.cnr.it/prodotto/i/158329>

**123)-Le potenzialità della fotosintesi anossigenica nella rimozione di metalli pesanti**

F. Milano; F. Italiano; A. Agostiano; M. Trotta; A. Buccolieri; L. Giotta F. Italiano; A. Agostiano; M. Trotta; A. Buccolieri; L. Giotta; L. R. Ceci; F. Pisani; F. De Leo; R. Gallerani  
subjectheavy metals  
subjectrhodobacter sphaeroides  
*Prima Scuola Nazionale di Metodologie Chimico-Fisiche per lo studio di sistemi biologici, Martina Franca (ITA), 05/09/2005-09/09/2005*

<http://www.cnr.it/prodotto/i/170691>

info:cnr-pdr/source/autori:F. Milano, F. Italiano, A. Agostiano, M. Trotta, A. Buccolieri, L. Giotta F. Italiano, A. Agostiano, M. Trotta, A. Buccolieri, L. Giotta, L. R. Ceci, F. Pisani, F. De Leo, R. Gallerani/congresso\_nome:Prima Scuola Nazionale di Metodologie Chimico-Fisiche per lo studio di sistemi biologici/congresso\_luogo:Martina Franca (ITA)/congresso\_data:05/09/2005-09/09/2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**124)-On the determination of phenomenological coefficients for dielectric materials**

Vincenzo Ciancio; Gaetano Di Marco; Francesco Farsaci  
subjectDielectric relaxations  
subjectelectromagnetic effect  
subjectlinear constitutive equations

*Proceedings of The 3-rd International Colloquium "Mathematics in Engineering and Numerical, pp. 93–104, 2005*

[urn:isbn:973-8381-11-8](http://www.cnr.it/prodotto/i/221708)

info:cnr-pdr/source/autori:Vincenzo Ciancio; Gaetano Di Marco; Francesco Farsaci/titolo:On the determination of phenomenological coefficients for dielectric materials/titolo\_volume:Proceedings of The 3-rd International Colloquium "Mathematics in Engineering and Numerical/curatori\_volume:/editore:/anno:2005

**125)-A Nematic Liquid Crystal as an Amplifying Replica of a Holographic Polarization Grating**

BLINOV LM; CIPPARRONE G; MAZZULLA A

*8th European Conference on Liquid Crystals 2005, Sesto (BZ), 24/2 - 4/3 2005*

<http://www.cnr.it/prodotto/i/221708>

info:cnr-pdr/source/autori:BLINOV LM, CIPPARRONE G, MAZZULLA A/congresso\_nome:8th European Conference on Liquid Crystals 2005/congresso\_luogo:Sesto (BZ)/congresso\_data:24/2 - 4/3 2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**126)-Refractive index measurements of liquid crystals in the visible-near infrared range**

G. Abbate; V. Tkachenko; A. Marino; M. Giocondo; A. Mazzulla; F. Ciuchi; A. Pane; L. De Stefano

*7th Mediterranean Workshop and Topical Meeting "Novel Optical Materials and Applications", NOMA'05, Cetraro (CS), 29/5 - 4/6 2005*

<http://www.cnr.it/prodotto/i/221760>

info:cnr-pdr/source/autori:G. Abbate, V. Tkachenko, A. Marino, M. Giocondo, A. Mazzulla, F. Ciuchi, A. Pane, L. De Stefano/congresso\_nome:7th Mediterranean Workshop and Topical Meeting "Novel Optical Materials and Applications", NOMA'05/congresso\_luogo:Cetraro (CS)/congresso\_data:29/5 - 4/6 2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**127)-Nematic Liquid Crystal as Amplifying Replica of a Holographic Polarization Grating, experiment and modelling**

BLINOV LM; CIPPARRONE G; MAZZULLA A

*7th Mediterranean Workshop and Topical Meeting "Novel Optical Materials and Applications", NOMA'05, Cetraro (I), 29/5 - 4/6, 2005*

<http://www.cnr.it/prodotto/i/221768>

info:cnr-pdr/source/autori:BLINOV LM, CIPPARRONE G, MAZZULLA A/congresso\_nome:7th Mediterranean Workshop and Topical Meeting "Novel Optical Materials and Applications", NOMA'05/congresso\_luogo:Cetraro (I)/congresso\_data:29/5 - 4/6, 2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**128)-Wide tuning of ultraviolet-visible liquid crystal laser: several strategies and development**

CIPPARRONE G; MAZZULLA A; BARBERI R; BARTOLINO R

*11th International Topical Meeting on Optics of Liquid Crystals, Sand Key FL (USA), ottobre 2005*

<http://www.cnr.it/prodotto/i/221772>

info:cnr-pdr/source/autori:CIPPARRONE G, MAZZULLA A, BARBERI R, BARTOLINO R/congresso\_nome:11th International Topical Meeting on Optics of Liquid Crystals/congresso\_luogo:Sand Key FL (USA)/congresso\_data:ottobre 2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**129)-Nematic liquid crystal dispersion in the visible-near infrared range**

V. Tkachenko; G. Abbate; A. Marino; F. Vita; M. Giocondo; A. Mazzulla; L. De Stefano

*11th International Topical Meeting on Optics of Liquid Crystals (OLC'05), Sand Key FL (USA), 2-7 ottobre 2005*

<http://www.cnr.it/prodotto/i/221781>

info:cnr-pdr/source/autori:V. Tkachenko, G. Abbate, A. Marino, F. Vita, M. Giocondo, A. Mazzulla, L. De Stefano/congresso\_nome:11th International Topical Meeting on Optics of Liquid Crystals (OLC'05)/congresso\_luogo:Sand Key FL (USA)/congresso\_data:2-7 ottobre 2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**130)-On the determination of phenomenological**

V. Ciancio; G. Di Marco; F. Farsaci

*The 3rd International Colloquium "Mathematics in Engineering and Numerical Physics", Bucharest, Romania., 7-9 October, 2004*

<urn:isbn:973-8381-11-8>

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**131)-Protein/lipid interaction in bacterial photosynthetic reaction center: The role of phosphatidylcholine and phosphatidylglycerol in charge stabilization**

Massimo Trotta; Francesco Milano; Márta Dorogi; Angela Agostiano; Gábor Laczkó; Kornélia Szabéni; György Váró; Péter Maróti; László Nagy

*Photosynthesis: Fundamental Aspects to Global Perspectives, edited by A. van der Est and D. Bruce Eds, pp. 194–195, 2005*

<http://www.cnr.it/prodotto/i/268319>

info:cnr-pdr/source/autori:Massimo Trotta, Francesco Milano, Márta Dorogi, Angela Agostiano, Gábor Laczkó, Kornélia Szabéni, György Váró, Péter Maróti and László Nagy/titolo:Protein/lipid interaction in bacterial photosynthetic reaction center: The role of

phosphatidylcholine and phosphatidylglycerol in charge  
stabilization/titolo\_volume:Photosynthesis: Fundamental Aspects to  
Perspectives/curatori\_volume:A. van der Est and D. Bruce Eds/editore:/anno:2005  
Global

**132)-Logo Biblioteca IPCF**

Lanza; C.subjectLogo biblioteca IPCF  
2005

<http://146.48.100.88/libraryhome.html>