

## Peer-reviewed journal articles

### 1)-Theory for vibrationally resolved two-photon circular dichroism spectra. Application to (R)-(+)-3-methylcyclopentanone

Lin, N.; Santoro, F.; Rizzo, A.; Luo, Y.; Zhao, X.; Barone V.

*The journal of physical chemistry. A* 113 (2009): 4198–4207.

<http://www.cnr.it/prodotto/i/39008>

info:cnr-pdr/source/autori:Lin, N.; Santoro, F.; Rizzo, A.; Luo, Y.; Zhao, X.; Barone V./titolo:Theory for vibrationally resolved two-photon circular dichroism spectra. Application to (R)-(+)-3-methylcyclopentanone/

### 2)-Analytic calculations of nonlinear mixed electric and magnetic frequency-dependent molecular properties using London atomic orbitals: Buckingham birefringence

Shcherbin, D.; Thorvaldsen, A. J.; Ruud, K.; Coriani, S.; Rizzo, A.

*PCCP. Physical chemistry chemical physics (Print)* 11 (2009): 816–825.

<https://dx.doi.org/10.1039/b815752a>

### 3)-Experimental investigation of fast electron transport through Kalpha imaging and spectroscopy in relativistic laser-solid interactions

Köster P.; K. Akli; D. Batani; S. Baton; R.G. Evans; Giulietti A.; Giulietti D.; Gizzi L.A.; J.S. Green; M. Koenig; Labate L.; A. Morace; P. Norreys; F. Perez; J. Waugh; N. Woolsey; K.L. Lancaster

*Plasma physics and controlled fusion (Print)* 51 (2009): 14007.

<http://www.cnr.it/prodotto/i/40029>

info:cnr-pdr/source/autori:Köster P., K. Akli, D. Batani, S. Baton, R.G. Evans, Giulietti A., Giulietti D., Gizzi L.A., J.S. Green, M. Koenig, Labate L., A. Morace, P. Norreys, F. Perez, J. Waugh, N. Woolsey, K.L. Lancaster/titolo:Experimental investigation of fast electron transport through Kalpha imaging and spectroscopy in relativistic laser-solid interactions/

### 4)-Coherent population trapping and strong electromagnetically induced transparency resonances on the D1 line of potassium

Gozzini S.(1); Cartaleva S.(2), Lucchesini A.(1), Marinelli C.(3), Marmugi L.(1), Slavov D.G.(2), Karaulanov T.(2,4)subjectcoherent population trappingsubjectelectromagnetically induced transparencysubjectmagnetic resonance spectrasubjecttunable diode laserssubjectpotassium

*The European physical journal. D, Atomic, molecular and optical physics (Print)* 53 (2009): 153–161.

<https://dx.doi.org/10.1140/epjd/e2009-00126-5>

### 5)-Computational Results Provide a Synthetically Unprecedented Explanation for the beta-Regioselectivity in the Rh-catalyzed Hydroformylation of Vinylidene Substrates

Ghio C.; Lazzaroni R.; Alagona\* G.subjectRegioselectivitysubjectHomogeneous catalyisssubjectDensity functional calculationssubjectHydroformylation  
*European journal of inorganic chemistry (Print) (2009): 98–103.*  
<http://www.cnr.it/prodotto/i/40037>

info:cnr-pdr/source/autori:Ghio C., Lazzaroni R., Alagona\* G./titolo:Computational Results Provide a Synthetically Unprecedented Explanation for the beta-Regioselectivity in the Rh-catalyzed Hydroformylation of Vinylidene Substrates/

**6)-Plicatin B Conformational Landscape and Affinity to Copper (I and II) Metal Cations. A DFT Study**

Alagona\* G.; Ghio C.subjectB3LYP/6-31G\*subjectLanL2DZsubject1:1 complexessubjectIEF-PCM continuum solvationsubjectMetal ion affinity  
*PCCP. Physical chemistry chemical physics (Print) 11 (2009): 776–790.*  
<http://www.cnr.it/prodotto/i/40038>

info:cnr-pdr/source/autori:Alagona\* G., Ghio C./titolo:Plicatin B Conformational Landscape and Affinity to Copper (I and II) Metal Cations. A DFT Study/

**7)-Stepwise vs concerted mechanisms in the Wittig reaction in vacuo and in THF: the case of 2,4-dimethyl-3-pyrrol-1-yl-pentanal and triphenylphosphonium ylide**

Alagona\* G.; Ghio C.subjectDensity functional calculationssubjectB3LYP/6-31G\*subjectIEF-PCMsubjectReaction mechanismssubjectOxaphosphetane-betaine  
*Theoretical Chemistry accounts (Print) 123 (2009): 337–346.*  
<http://www.cnr.it/prodotto/i/40039>

info:cnr-pdr/source/autori:Alagona\* G., Ghio C./titolo:Stepwise vs concerted mechanisms in the Wittig reaction in vacuo and in THF: the case of 2,4-dimethyl-3-pyrrol-1-yl-pentanal and triphenylphosphonium ylide/

**8)-Phytic acid prevents oxidative stress in seeds: evidence from a maize (Zea Mays L.) low phytic acid mutant**

Enrico Doria; Luciano Galleschi; Lucia Calucci; Calogero Pinzino; Roberto Pilu; Elena Cassani; Erik NiensensubjectPhytic acidsubjectoxydative stresssubjectEPR spectroscopysubjectfree radicals  
*Journal of experimental botany 60 (2009): 967–978.*  
<https://dx.doi.org/10.1093/jxb/ern345>

**9)-Event-Driven Power-Law Relaxation in Weak Turbulence**

Silvestri L.; Fronzoni L.; Grigolini P.; Allegrini P.  
*Physical review letters 102 (2009): 014502.*  
<http://www.cnr.it/prodotto/i/40050>

info:cnr-pdr/source/autori:Silvestri L., Fronzoni L., Grigolini P., Allegrini P./titolo:Event-Driven Power-Law Relaxation in Weak Turbulence/

**10)-Subordination to periodic processes and synchronization**

Ascolani G.; Bologna M.; Grigolini P.  
*Physica. A (Print)* 388 (2009): 272702.  
<http://www.cnr.it/prodotto/i/40051>

info:cnr-pdr/source/autori:Ascolani G., Bologna M., Grigolini P./titolo:Subordination to periodic processes and synchronization/

**11)-From Power Law Intermittence to Macroscopic Coherent Regime**

Bologna M.; Budini A.; Girardi F.; Grigolini P.  
*130* (2009): 244106.  
<http://www.cnr.it/prodotto/i/40052>

info:cnr-pdr/source/autori:Bologna M., Budini A., Girardi F., Grigolini P./titolo:From Power Law Intermittence to Macroscopic Coherent Regime/

**12)-On the controversial nature of the 11Bu and 21Bu states of trans-stilbene: the n-electron valence state perturbation theory approach**

Angeli C.; Improta R.; Santoro F.  
*Journal of chemical physics online* 130 (2009): 174307.  
<https://dx.doi.org/10.1063/1.3131263>

**13)-Three-Dimensional Diabatic Models for the  $\pi\pi^*/n\pi^*$  Excited-State Decay of Uracil Derivatives in Solution**

Santoro F.; Improta R.; Barone V.  
*Theoretical Chemistry accounts (Print)* 123 (2009): 273–286.  
<http://www.cnr.it/prodotto/i/40054>

info:cnr-pdr/source/autori:Santoro F., Improta R., Barone V./titolo:Three-Dimensional Diabatic Models for the  $\pi\pi^*/n\pi^*$  Excited-State Decay of Uracil Derivatives in Solution/

**14)-Fully integrated approach to compute vibrationally resolved optical spectra: from small molecules to macrosystems**

Barone V.; Bloino J.; Biczysko M.; Santoro F.  
*Journal of chemical theory and computation* 5 (2009): 540–554.  
<http://www.cnr.it/prodotto/i/40055>

info:cnr-pdr/source/autori:Barone V., Bloino J., Biczysko M., Santoro F./titolo:Fully integrated approach to compute vibrationally resolved optical spectra: from small molecules to macrosystems/

**15)-Nanotechnology: A new era for photodetection ?**

Ambrosio, M; Ambrosio, A; Ambrosone, G; Campajola, L; Cantele, G; Carillo, V; Coscia, U; Iadonisi, G; Ninno, D; Maddalena, P; Perillo, E; Raulo, A; Russo, P; Trani, F; Esposito, E; Grossi, V; Passacantando, M; Santucci, S; Allegrini, M; Gucciardi, PG; Patane, S; Bobba, F; Di Bartolomeo, A; Giubileo, F; Iemmo, L; Scarfato, A; Cucolo, A  
subjectcarbon nanotubessubjectphotodetectorssubjectradiation detectors

*NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 610 (2009): 1–10.*

<http://www.cnr.it/prodotto/i/40063>

info:cnr-pdr/source/autori:Ambrosio, M; Ambrosio, A; Ambrosone, G; Campajola, L; Cantele, G; Carillo, V; Coscia, U; Iadonisi, G; Ninno, D; Maddalena, P; Perillo, E; Raulo, A; Russo, P; Trani, F; Esposito, E; Grossi, V; Passacantando, M; Santucci, S; Allegrini, M; Gucciardi, PG; Patane, S; Bobba, F; Di Bartolomeo, A; Giubileo, F; Iemmo, L; Scarfato, A; Cucolo, AM/titolo:Nanotechnology: A new era for photodetection ?/

**16)-Focusing of high order cylindrical vector beams**

Rashid M.; Maragò O.M.; Jones P.H.subjectCylindrical Vector BeamssubjectDiffraction Theory

*Journal of optics. A, Pure and applied optics (Print) 11 (2009): 065204.*

<http://www.cnr.it/prodotto/i/40065>

info:cnr-pdr/source/autori:Rashid M.; Maragò O.M.; Jones P.H./titolo:Focusing of high order cylindrical vector beams/

**17)-Optical trapping calculations for metal nanoparticles. Comparison with experimental data for Au and Ag spheres.**

Saija R.; Denti P.; Borghese F.; Maragò O.M.; Iatì M.A.subjectOptical TrappingsubjectPlasmonicssubjectScattering Theory

*Optics express 17 (2009): 10231–10241.*

<http://www.cnr.it/prodotto/i/40066>

info:cnr-pdr/source/autori:Saija R.; Denti P.; Borghese F.; Maragò O.M.; and Iatì M.A./titolo:Optical trapping calculations for metal nanoparticles. Comparison with experimental data for Au and Ag spheres./

**18)-The controlled pulsed laser deposition of Ag nanoparticle arrays for surface enhanced Raman scattering**

D'Andrea C.; Neri F.; Ossi P.M.; Santo S.; Trusso S.

*Nanotechnology (Bristol. Print) 20 (2009): 245606.*

<https://dx.doi.org/10.1088/0957-4484/20/24/245606>

**19)-Ag nanocluster synthesis by laser ablation in Ar atmosphere: A plume dynamics analysis**

Fazio E.; Neri F.; Ossi P.M.; Santo S.; Trusso S.

*Laser and particle beams (Print) 27 (2009): 281–290.*

<https://dx.doi.org/10.1017/S0263034609000366>

**20)-Influence of carbon source and Fe-catalyst support on the growth of multi-walled nanotubes**

Donato M.G.; M.Lanza; G.Messina; C.Milone; E.Piperopoulos; A.Pistone; S.Santangelo

*Journal of nanoscience and nanotechnology (Print) (2009).*

<http://www.cnr.it/prodotto/i/40077>

info:cnr-pdr/source/autori:Donato M.G., M.Lanza, G.Messina, C.Milone, E.Piperopoulos, A.Pistone, S.Santangelo/titolo:Influence of carbon source and Fe-catalyst support on the growth of multi-walled nanotubes/

**21)-Influence of gas-mixture composition on yield, purity and morphology of carbon**

Donato M.G. a; G. Faggio b; S. Galvagno c; M. Lanza a; G. Messina b; C. Milone c; E. Piperopoulos c

*Diamond and related materials* 18 (2009): 360–363.

<http://www.cnr.it/prodotto/i/40078>

info:cnr-pdr/source/autori:Donato M.G. a, G. Faggio b, S. Galvagno c, M. Lanza a, G. Messina b, C. Milone c, E. Piperopoulos c,/titolo:Influence of gas-mixture composition on yield, purity and morphology of carbon/

**22)-Segmental relaxation in semicrystalline polymers: A mean-field model for the distribution of relaxation times in confined regimes**

Pieruccini M.; Ezquerra T.A.

*The European physical journal. E, Soft matter (Online)* 29 (2009): 163–171.

<https://dx.doi.org/10.1140/epje/i2009-10464-0>

**23)-Self-Organizing Functional Materials via Ionic Self Assembly: Porphyrins H and J-Aggregates on Synthetic Chrysotile Nanotubes**

Giovanna De Luca; Andrea Romeo; Valentina Villari; Norberto Micali; Ismaela Foltran; Elisabetta Foresti; Isidoro G. Lesci; Norberto Roveri; Tommaso Zuccheri; Luigi Monsù ScolarsubjectNanotubes; Self-assembly; Rayleigh Scattering

*Journal of the American Chemical Society (Print)* 131 (2009): 6920–6921.

<https://dx.doi.org/10.1021/ja901273h>

**24)-Interaction of biomolecular systems with titanium-based materials: computational investigations**

Carravetta V.; Monti S.; Zhang W.H.subjectcomputational spectroscopysubjectbiomoleculessubjectTiO2 surfacesubjectx-ray spectroscopy

*Theoretical Chemistry accounts (Print)* 123 (2009): 299–309.

<http://www.cnr.it/prodotto/i/40085>

info:cnr-pdr/source/autori:Carravetta V., Monti S., Zhang W.H./titolo:Interaction of biomolecular systems with titanium-based materials: computational investigations/

**25)-Electronic structure of [121]tetramantane-6-thiol on gold and silver surfaces**

Zhang W.H.; Gao B.; Yang J.L.; Wu Z.Y.; Carravetta V.; Luo Y.subjectcomputational spectroscopysubjectnegative electron affinitysubjectXPSsubjectDFT

*THE JOURNAL OF CHEMICAL PHYSICS* 130 (2009): 54705–54709.

<https://dx.doi.org/10.1063/1.3072334>

**26)-Complex permittivity of FeCl<sub>3</sub>/AOT/CCl<sub>4</sub> microemulsions probed by AC impedance spectroscopy**

Calandra Pietro; Angela Ruggirello; Vincenzo Turco Liveri

*Journal of colloid and interface science (Print)* 337 (2009): 285–288.

<http://www.cnr.it/prodotto/i/40089>

info:cnr-pdr/source/autori:Calandra Pietro , Angela Ruggirello, Vincenzo Turco Liveri/titolo:Complex permittivity of FeCl<sub>3</sub>/AOT/CCl<sub>4</sub> microemulsions probed by AC impedance spectroscopy/

**27)-Analysis of the 2nd Stokes wave generation through stimulated Raman scattering in hydrogen gas under four-wave mixing conditions**

Sauro Marchetti; Roberto Simili; Elena Favilla; Carlo Gabbanini

*Optics communications (Print)* 282 (2009): 2954–2959.

<https://dx.doi.org/10.1016/j.optcom.2009.03.061>

**28)-Exogenous vs. endogenous c-glutamyltransferase activity: Implications for the specific determination of S-nitrosoglutathione in biological samples**

Bramanti E.; Angeli V.; Franzini M.; Vecoli C.; Baldassini R.; Paolicchi A.; Barsacchi R.; Pompella A.

*Archives of biochemistry and biophysics (Print)* (2009).

<http://www.cnr.it/prodotto/i/40119>

info:cnr-pdr/source/autori:Bramanti E., Angeli V., Franzini M., Vecoli C., Baldassini R., Paolicchi A., Barsacchi R. and Pompella A./titolo:Exogenous vs. endogenous c-glutamyltransferase activity: Implications for the specific determination of S-nitrosoglutathione in biological samples/

**29)-A novel microwave photochemical reactor for the oxidative decomposition of Acid Orange 7 azo dye by MW/UV/H<sub>2</sub>O<sub>2</sub> process**

Ferrari C.; Longo I.; Tombari E.; Bramanti E.

subjectENVIRONMENTAL REMEDIATIONsubjectUV/H<sub>2</sub>O<sub>2</sub> PROCESSsubjectDEGRADATIONsubjectH<sub>2</sub>O<sub>2</sub>subjectDECOLORIZATION

*Photochemistry and photobiology* 204 (2009): 115–121.

<https://dx.doi.org/10.1016/j.jphotochem.2009.03.001>

**30)-Evaluation of solvent tolerance of microorganisms by microcalorimetry**

Chen H.L.; Yao J.; Wang L.; Wang F.; Bramanti E.; Maskow T.; Zaray G.

subjectBenzene; Toluene; Solvent tolerance; Microcalorimetry; Degradation

*Chemosphere* 74 (2009): 1407–1411.

<https://dx.doi.org/10.1016/j.chemosphere.2008.11.005>

**31)-Acute toxic effects of three pesticides on *Pseudomonas putida* monitored by microcalorimeter**

Chen H.L.; Yao J.; Wang F.; Bramanti E.; Maskow T.; Zaray G.subjectMicrocalorimetry; toxic effect; beta-cypermethrin; bensulfuron-methyl; prometryne  
*Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes* 44 (2009): 157–163.

<https://dx.doi.org/10.1080/03601230802599084>

### 32)-S-NITROSOGLUTATHIONE AS A SUBSTRATE OF GAMMA-GLUTAMYLTRANSFERASE (GGT) – A KINETIC STUDY

Angeli V.; Tacito A.; Paolicchi A.; Barsacchi R.; Franzini M.; Baldassini R.; Vecoli C.; Pompella A.; Bramanti E.

*Archives of biochemistry and biophysics (Print)* 481 (2009): 191–196.

<http://www.cnr.it/prodotto/i/40124>

info:cnr-pdr/source/autori:Angeli V., Tacito A., Paolicchi A., Barsacchi R., Franzini M., Baldassini R., Vecoli C., Pompella A., Bramanti E./titolo:S-NITROSOGLUTATHIONE AS A SUBSTRATE OF GAMMA-GLUTAMYLTRANSFERASE (GGT) – A KINETIC STUDY/

### 33)-Einstein's unified field theory predicts the equilibrium positions of n wires run by steady electric currents

Antoci S.subject04.20.-qsubject04.20.CVsubject04.20.Jbsubject03.50.De  
*124 (2009): 121–133.*

<http://www.cnr.it/prodotto/i/40127>

info:cnr-pdr/source/autori:Antoci S./titolo:Einstein's unified field theory predicts the equilibrium positions of n wires run by steady electric currents/

### 34)-Adsorption of Ionic Peptides on Inorganic Supports

Monti S.; Alderighi M.; Duce C.; Solaro R.; Tine M.R.subjectmolecular dynamicssubjectself-assemblysubjectoligopeptidessubjectsurface adsorptionsubjecttitanium dioxide  
*Journal of physical chemistry. C* 113 (2009): 2433–2442.

<http://www.cnr.it/prodotto/i/40131>

info:cnr-pdr/source/autori:Monti S., Alderighi M., Duce C., Solaro R., Tine M.R./titolo:Adsorption of Ionic Peptides on Inorganic Supports/

### 35)-Electronic Energy Transfer in Condensed Phase Studied by a Polarizable QM/MM Model

Carles Curutchet; \*, † Aurora Muñoz-Losa; ‡ Susanna Monti; § Jacob Kongsted; | Gregory D. Scholes; †; Benedetta Mennucci‡subjectElectronic Energy TransfersubjectQM/MMsubjectmolecular dynamicssubjectpolarizationsubjectpcm  
*Journal of chemical theory and computation* 5 (2009): 1838–1848.

<http://www.cnr.it/prodotto/i/40132>

info:cnr-pdr/source/autori:Carles Curutchet,\*,† Aurora Muñoz-Losa,‡ Susanna Monti,§ Jacob Kongsted,| Gregory D. Scholes,† and Benedetta Mennucci‡/titolo:Electronic Energy Transfer in Condensed Phase Studied by a Polarizable QM/MM Model/

### 36)-Diode laser spectroscopy of ammonia at 760 nm

Lucchesini A.; Gozzini S.subjectMolecular spectroscopysubjectAmmoniasubjectLine broadening and shiftssubjectOvertone bandssubjectTunable diode laser  
*Optics communications (Print)* 282 (2009): 3493–3498.  
<https://dx.doi.org/10.1016/j.optcom.2009.05.049>

**37)-New electrochemical oscillator based on the cation-catalyzed reduction of nitroaromatic radical anions**

Hromadova, M; Pospisil, L; Sokolova, R; Fanelli, NsubjectNitroaromatic radicalsubjectCationic catalyisssubjectNegative differential resistancesubjectElectrochemical impedancesubjectOscillations  
*Electrochimica acta* 54 (2009): 4991–4996.  
<https://dx.doi.org/10.1016/j.electacta.2009.01.068>

**38)-Formation and interactions of cold and ultracold molecules: new challenges for interdisciplinary physics**

Olivier Dulieu; Carlo Gabbaninisubjectcold moleculessubjectBECsubjectFermi gas  
*Reports on progress in physics (Print)* 72 (2009): 086401-1–086401-35.  
<https://dx.doi.org/10.1088/0034-4885/72/8/086401>

**39)-Full control of sodium vapor density in siloxane-coated cells using blue LED light-induced atomic desorption**

Bogi A.; Marinelli C.; Burchianti A.; Mariotti E.; Moi L.; Gozzini S.; Marmugi L.; Lucchesini A.subjectoptical devicessubjectatomic spectroscopysubjectatomic desorption  
*Optics letters* 34 (2009): 2643–2645.  
<https://dx.doi.org/10.1364/OL.34.002643>

**40)-Depolarization effects in tip-enhanced Raman Spectroscopy**

Merlen, A; Valmalette, JC; Gucciardi, PG; de la Chapelle, ML; Frigout, A; Ossikovski, RsubjectTip-EnhancedsubjectRaman SpectroscopysubjectNear-Field Optics  
*Journal of Raman spectroscopy* 40 (2009): 1361–1370.  
<http://www.cnr.it/prodotto/i/40186>

info:cnr-pdr/source/autori:Merlen, A; Valmalette, JC; Gucciardi, PG; de la Chapelle, ML; Frigout, A; Ossikovski, R/titolo:Depolarization effects in tip-enhanced Raman Spectroscopy/

**41)-Physico-chemical investigation of nanostructures in liquid phases: Nickel chloride ionic clusters confined in sodium bis(2-ethylhexyl) sulfosuccinate reverse micelles**

Calandra Pietro; Gaetano Di Marco; Angela Ruggirello; Vincenzo Turco Liveri  
*Journal of colloid and interface science (Print)* 336 (2009): 176–182.  
<http://www.cnr.it/prodotto/i/40187>

info:cnr-pdr/source/autori:Calandra Pietro; Gaetano Di Marco; Angela Ruggirello; Vincenzo Turco Liveri/titolo:Physico-chemical investigation of nanostructures in liquid phases: Nickel chloride ionic clusters confined in sodium bis(2-ethylhexyl) sulfosuccinate reverse micelles/



**42)-Antioxidant properties of pterocarpan through their copper(II) coordination ability. A DFT study in vacuo and in aqueous solution (PCM)**

Alagona\* G.; Ghio\* C.subjectmetal ion affinitysubjectIEF-PCMsubjectspin densitysubjectBSSEsubjectB3LYP/6-31G\*/LanL2DZ  
*113 (2009): 15206–15216.*

<http://www.cnr.it/prodotto/i/40189>

info:cnr-pdr/source/autori:Alagona\* G., Ghio\* C./titolo:Antioxidant properties of pterocarpan through their copper(II) coordination ability. A DFT study in vacuo and in aqueous solution (PCM)/

**43)-Analysis of High Efficiency Electromagnetically Induced Transparency in Potassium Vapor**

Gozzini S.; Slavov D.; Cartaleva S.; Marmugi L.; Lucchesini A.subjectMagneto-optical and electro-optical spectra and effectssubjectLevel crossing and optical pumpingsubjectZeeman and Stark effects

*Acta Physica Polonica. A 116 (2009): 489–491.*

<http://www.cnr.it/prodotto/i/40190>

info:cnr-pdr/source/autori:Gozzini S.; Slavov D.; Cartaleva S.; Marmugi L.; Lucchesini A./titolo:Analysis of High Efficiency Electromagnetically Induced Transparency in Potassium Vapor/

**44)-Coherent Population Trapping on the Second Resonance Line of Potassium**

Gozzini S.; Cartaleva S.; Karaulanov T.; Lucchesini A.; Slavov D.subjectElectromagnetically induced transparencysubjectQuantum opticsubjectDiode lasersubjectPotassium

*Acta Physica Polonica. A 116 (2009): 492–494.*

<http://przyrbwn.icm.edu.pl/APP/ABSTR/116/a116-4-13.html>

info:cnr-pdr/source/autori:Gozzini S.; Cartaleva S.; Karaulanov T.; Lucchesini A.; Slavov D./titolo:Coherent Population Trapping on the Second Resonance Line of Potassium/

**45)-The propagation of waves in Einstein's unified field theory as shown by two exact solutions**

Antoci S.

*124B (2009): 619–630.*

<http://www.cnr.it/prodotto/i/40193>

info:cnr-pdr/source/autori:Antoci S./titolo:The propagation of waves in Einstein's unified field theory as shown by two exact solutions/

**46)-An accurate expression of the CO<sub>2</sub> refractivity from the radiofrequencies to the visible region**

Marchetti S.; Simili R.

*Infrared physics & technology 52 (2009): 143–145.*

<https://dx.doi.org/10.1016/j.infrared.2009.06.001>

**47)-Orthogonal Double-pulse versus Single-pulse laser ablation at different air pressures: A comparison of the mass removal mechanisms**

Cristoforetti G.subjectLIBSsubjectlaser ablationsubjectdouble pulse  
*Spectrochimica acta. Part B, Atomic spectroscopy* 64 (2009): 26–34.  
<https://dx.doi.org/10.1016/j.sab.2008.10.028>

**48)-Application of calibration-free laser-induced breakdown spectroscopy to radially resolved spectra from a copper-based alloy laser-induced plasma**

Aguilera J.A.; Aragón C.; Cristoforetti G.; Tognoni E.subjectLaser-induced plasma spectroscopysubjectSpatial deconvolutionsubjectCalibration-free analysissubjectCF-LIBS  
*Spectrochimica acta. Part B, Atomic spectroscopy* 64 (2009): 685–689.  
<https://dx.doi.org/10.1016/j.sab.2009.06.002>

**49)-Comments on the paper: “Accurate quantitative analysis of gold alloys using multi-pulse laser-induced breakdown spectroscopy and a correlation-based calibration method”**

Cristoforetti G.; Legnaioli S.; Palleschi V.; Tognoni E.  
*Spectrochimica acta. Part B, Atomic spectroscopy* 64 (2009): 357–358.  
<https://dx.doi.org/10.1016/j.sab.2009.03.005>

**50)-Fast analysis of complex metallic alloys by double-pulse time-integrated laser-induced breakdown spectroscopy**

Sorrentino F.; Carelli G.; Francesconi F.; Francesconi M.; Marsili P.; Cristoforetti G.; Legnaioli S.; Palleschi V.; Tognoni E.subjectLocal Thermodynamic EquilibriumsujectLaser induced plasmasubjectMcWhirter criterionsubjectTransient plasmasubjectInhomogeneous plasma  
*Spectrochimica acta. Part B, Atomic spectroscopy* 64 (2009): 1068–1072.  
<https://dx.doi.org/10.1016/j.sab.2009.07.037>

**51)-Effect of the laser parameters on the plasma shielding in single and double pulse configuration during the ablation of an aluminium target**

Cristoforetti G.; Lorenzetti G.; Benedetti P. A.; Tognoni E.; Legnaioli S.; Palleschi V.  
*Journal of physics. D, Applied physics (Print)* 42 (2009): 225207.  
<https://dx.doi.org/10.1088/0022-3727/42/22/225207>

**52)-Protective activity of plicatin B against the human LDL oxidation induced in metal ion-dependent and -independent processes. Experimental and theoretical studies**

Turchi\* G.; Alagona G.; Lubrano V.subjectLDLsubjectPeroxidationsubjectCoppersubjectABAPsubjectAntioxidantmechanisms  
*Phytomedicine (Stuttg.)* 16 (2009): 1014–1026.  
<http://www.cnr.it/prodotto/i/40204>

info:cnr-pdr/source/autori:Turchi\* G., Alagona G., Lubrano V./titolo:Protective activity of plicatin B against the human LDL oxidation induced in metal ion-dependent and -independent processes. Experimental and theoretical studies/

**53)-Erratum: Confinement-induced vitrification in polyethylene terephthalate (vol 75 art no 224201 2007)**

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V. Ciancio; F. Farsaci; P. Rogolino

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**59)-Exciton condensation in homoepitaxial chemical vapor deposition diamond**

M. G. Donato; G. Messina; G. Verona Rinati; S. Almaviva; G. Faggio; Marco Marinelli; E. Milani; G. Prestopino; S. Santangelo; P. Tripodi; C. Verona

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**66)-“The fate of silver ions in the photochemical of gold nanorods: an extended X-ray absorption fine structure analysis”**

F. Giannici; T. Placido; M. L. Curri; M. Striccoli; A. Agostiano; R. Comparelli

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Popescu, FF; Bercu, V; Barascu, JN; Martinelli, M; Massa, CA; Pardi, LA; Stefan, M; Nistor, SV; Nikl, M; Bohacek, P

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**88)-Coordinated Study on Solar Wind Turbulence During the Venus-Express, ACE and Ulysses Alignment of August 2007**

Bruno, R; Carbone, V; Voros, Z; D'Amicis, R; Bavassano, B; Cattaneo, M; Mura, A; Milillo, A; Orsini, S; Veltri, P; Sorriso-Valvo, L; Zhang, T; Biernat, H; Rucker, H; Baumjohann, W; Jankovicova, D; Kovacs, P

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**89)-Ellipsometry investigation of the effects of annealing temperature on the optical properties of indium tin oxide thin films studied by Drude-Lorentz model**

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Ciuchi F; Sorriso-Valvo L; Mazzulla A; Redondo JMsubjectFractals; macroscopic aggregates (including diffusion-limited aggregates) - Liquid crystals

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Carbone G; Lombardo G; Barberi R; Musevic I; Tkalec UsubjectATOMIC-FORCE MICROSCOPE; FILM; CELL

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Lombardo M; Carbone G; Lombardo G; De Santo MP; Barberi RsubjectPOSTERIOR CAPSULE OPACIFICATION; EPITHELIAL-CELL MIGRATION; RANDOMIZED CLINICAL-TRIAL; COLLAGEN TYPE-IV; OPTIC EDGE; CATARACT-SURGERY; IN-VITRO; SILICONE; ADHESION; SHARP

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Serrao S; Lombardo G; Lombardo M; Palombi M; Roberts CJsubjectREFRACTIVE SURGERYsubjectFOLLOW-UPsubjectLASERsubjectABLATIONsubjectMODEL

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**94)-Topographic-pattern-induced homeotropic alignment of liquid crystals**

Yi Y; Lombardo G; Ashby N; Barberi R; Maclellan JE; Clark NAsubjectLITHOGRAPHY; VERTICAL ALIGNMENT; SURFACE ALIGNMENT; LAYERS; ORIENTATION; PLANAR

*Physical review. E, Statistical, nonlinear, and soft matter physics (Print)* 79 (2009): 041701.

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**95)-STATISTICAL ANALYSIS OF MAGNETIC FIELD REVERSALS IN LABORATORY DYNAMO AND IN PALEOMAGNETIC MEASUREMENTS**

Sorriso-Valvo, L; Carbone, V; Bourgoïn, M; Odier, P; Plihon, N; Volk, R

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**96)-Surface treatment and bulk density of ions in nematic liquid crystals**

Alexe-Ionescu AL; Barbero G; Ciuchi F; Mazzulla A; Scaramuzza Nsubjectliquid crystalssubjectionssubjectsurface treatment

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Lombardo M; Lombardo G; Friend DJ; Serrao S; Terry MAsubjectMECHANICAL-PROPERTIESsubjectCOLLAGEN

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**98)-Scaling Laws of Turbulence and Heating of Fast Solar Wind: The Role of Density Fluctuations**

Carbone V; Marino R; Sorriso-Valvo L; Noullez A; Bruno R

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**99)-On the turbulent energy cascade in anisotropic magnetohydrodynamic turbulence**

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*Europhysics letters (Print)* 88 (2009): 25001.

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**100)-The Energy Cascade in Solar Wind MHD Turbulence**

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**101)-Solar-Terrestrial Relations: Magnetic Turbulence in the Earth's Magnetosphere and Geomagnetic Activity**

Zimbardo G; Greco A; Veltri P; Voros Z; Amata E; Taktakishvili A; Carbone V; Sorriso-Valvo L; Guerra I

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**102)-Magnetic turbulence in space plasmas: Scale-dependent effects of anisotropy**

Perri S; Yordanova E; Carbone V; Veltri P; Sorriso-Valvo L; Bruno R; Andre M

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**103)-Molecular dynamics of amicyanin reveals a conserved dynamical core for blue copper proteins**

Rizzuti Bruno (1); Sportelli Luigi (2); Guzzi Rita (2)subjectAmicyaninsubjectBlue copper proteinssubjectMolecular dynamics

*Proteins (Print) 74 (2009): 961–971.*

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**104)-A safe procedure for measurement of S-Nitrosoglutathione, the central metabolite in S-Nitrosothiols formation and bioactivity**

Valeria Angeli; Emilia Bramanti; Cecilia Vecoli; Aldo Paolicchi; Maria Franzini; Renata Barsacchi; Riccardo Baldassini; Alfonso Pompella

*Free radical research 43 (2009): 83–83.*

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**105)-Study on the toxic effects of diphenol compounds on soil microbial activity by a combination of methods**

Huilun Chen; Jun Yao; Fei Wang; Martin M.F. Choi; Emilia Bramanti; Gyula ZaraysubjectPlate counting; Microcalorimetry; Enzymatic activity; Soil microbial activity; Diphenols

*Journal of hazardous materials (Print) 167 (2009): 846–851.*

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**107)-Thermal degradation of poly(lactic acid) (PLA) and poly(butylene adipate-co-terephthalate) (PBAT) and their blends upon melt processing**

Signori F.; Coltelli M.-B.; Bronco SsubjectBiodegradablessubjectReactive blendingsubjectSECSsubjectMolecular weight

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**108)-Orientational order of fluorinated mesogens containing the 1,3,2-dioxaborinane ring: a multidisciplinary approach**

Silvia Borsacchi; Lucia Calucci; Joanna Czub; Roman Dabrowski; Marco Geppi; Wojciech Kuczynski; Alberto Marini; Benedetta Mennucci; Stanislaw Urbansubjectliquid crystalssubjectnmrsubjectdielectric spectroscopysubjectorientational ordersubjectDFT

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**109)-Effect of pH on water proton NMR relaxation in agmatine containing poly(amidoamine) hydrogels**

Calucci L.; Forte C.; Gerges I.; Ranucci E.

*Biomacromolecules 24 (2009): 2449–2455.*

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**110)-Proton longitudinal relaxation coupling in dynamically heterogeneous soft systems**

Calucci L.; Forte C.subjectCross relaxationsubjectMagnetization transfersubjectWatersubjectNMRDsubjectMRI contrast

*Progress in nuclear magnetic resonance spectroscopy (Print) 55 (2009): 296–323.*

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**111)-Calorimetry for Fast Authentication of Edible Oils**

Angiuli M.; Bussolino G.C.; Ferrari C.; Matteoli E.; Righetti M.C.; Salvetti G., Tombari E.subjectDSCsubjectEdible oil authenticationsubjectoil phase transitionsubjectolive oilsubjectpolymorphism

*International journal of thermophysics 30 (2009): 1014–1024.*

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**112)-Force amplification response of actin filaments under confined compression**

Greene GW; Anderson TH; Zeng H; Zappone B; Israelachvili JN

*Proceedings of the National Academy of Sciences of the United States of America* 106 (2009): 445–449.

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**113)-Oxidation states of graphene: Insights from computational spectroscopy**

Zhang Wenhua; Carravetta Vincenzo; Zhenyu Li; Yi Luo; Jinlong Yangsubjectcomputational spectroscopysubjectXPSsubjectgraphene oxide

*The Journal of chemical physics* 131 (2009): 244505–244510.

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**114)-Human cord blood CD133+ stem cells transplanted to nod-scid mice provide conditions for olfactory neuroepithelium regeneration after permanent damage induced by dychlobenil.**

Franceschini; V.; Bettini; S.; Pifferi; S.; Rosellini A.; Menini; A.; Saccardi R.; Ognio E.; Jeffery R.; Poulsom R.; Revoltella; R.P.

*Stem cells (Dayt. Ohio)* 27 (2009): 825–835.

<https://dx.doi.org/10.1002/stem.11>

**115)-Structural characterization and physical properties of new tetrabenzopentaphene mesogens**

Carmen Romero; Diego Pena; Dolores Pérez; Enrique Guitià; Roberto Termine; Attilio Golemme; Ana Omenat; Joaquín Barberà; José Luis SerranosubjectDISCOTIC LIQUID-CRYSTALS; FIELD-EFFECT TRANSISTORS; CHARGE-CARRIER MOBILITY; TRANSIENT PHOTOCONDUCTIVITY; EXTENDED TRIPHENYLENES; SPACE-CHARGE; SEMICONDUCTORS; ELECTRONICS; EFFICIENCY; TRANSPORT

*Journal of materials chemistry (Print)* 19 (2009): 4725–4731.

<https://dx.doi.org/10.1039/b901260e>

**116)-High Tg, Nonpoled Photorefractive Polymers**

Li H.; Termine R.; Angiolini L.; Giorgini L.; Mauriello F.; Golemme A.subjectAZOBENZENE-CONTAINING POLYMERS; HIGH OPTICAL GAIN; SIDE-CHAIN; METHACRYLIC POLYMERS; CHROMOPHORE; CARBAZOLE; GLASSES; GRATINGS; PHOTOORIENTATION; PERFORMANCE

*Chemistry of materials* 21 (2009): 2403–2409.

<https://dx.doi.org/10.1021/cm8034664>

**117)-LASER ACTION IN DYE DOPED LIQUID CRYSTALS: FROM PERIODIC STRUCTURES TO RANDOM MEDIA**

De Luca A; Barna V; Ferjani S; Caputo R; Versace C; Scaramuzza N; Bartolino R; Umeton C; Strangi G

*18 (2009): 349–365.*

<http://www.cnr.it/prodotto/i/40508>

info:cnr-pdr/source/autori:De Luca A, Barna V, Ferjani S, Caputo R, Versace C, Scaramuzza N, Bartolino R, Umeton C, Strangi G/titolo:LASER ACTION IN DYE DOPED LIQUID CRYSTALS: FROM PERIODIC STRUCTURES TO RANDOM MEDIA/

**118)-Coherent backscattering and dynamical light localization in liquid crystals driven throughout chaotic regimes**

Carbone F; De Luca A; Barna V; Ferjani S; Vena C; Versace C; Strangi G

*Optics express 17 (2009): 13435–13440.*

<http://www.cnr.it/prodotto/i/40510>

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**119)-Direct Measurement of Surface-Induced Orientational Order Parameter Profile above the Nematic-Isotropic Phase Transition Temperature**

Lee JH; Atherton TJ; Barna V; De Luca A; Bruno E; Petschek RG; Rosenblatt C

*Physical review letters (Print) 102 (2009): 167801.*

<http://www.cnr.it/prodotto/i/40513>

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**120)-Thermo-recurrent nematic random laser**

Ferjani S; De Luca A; Barna V; Versace C; Strangi G

*Optics express 17 (2009): 2042–2047.*

<http://www.opticsinfobase.org/oe/abstract.cfm?uri=oe-17-3-2042>

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**121)-Anisotropic Reversible Aggregation of Latex Nanoparticles Suspended in a Lyotropic Nematic Liquid Crystal: Effect of Gradients of Biaxial Order**

Alves VM; Nakamatsu S; Oliveira EA; Zappone B; Richetti P

*Langmuir 25 (2009): 11849–11856.*

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**122)-Concentration Fluctuation in Fluid Mixtures II.**

Mazo R.M.; Matteoli E.; Smith P.E.

*130 (2009): 234508.*

<http://www.cnr.it/prodotto/i/40530>

info:cnr-pdr/source/autori:Mazo R.M., Matteoli E., Smith P.E./titolo:Concentration Fluctuation in Fluid Mixtures II./

**123)-Thermodynamics of complex formation in mixed solvents. K and DH for the formation reaction of [Gly18C6] at 298.15 K**

Matteoli E.; Lepori L.; Usacheva T.R.; Sharnin V.A.

*97 (2009): 811–816.*

<http://www.cnr.it/prodotto/i/40531>

info:cnr-pdr/source/autori:Matteoli E., Lepori L., Usacheva T.R., Sharnin V.A./titolo:Thermodynamics of complex formation in mixed solvents. K and DH for the formation reaction of [Gly18C6] at 298.15 K/

**124)-Electrostatic force microscopy and potentiometry of realistic nanostructured systems**

LUCCHESI, M.; PRIVITERA, G.; LABARDI, M.; PREVOSTO, D.; CAPACCIOLI, S.; PINGUE, P.

*Journal of applied physics 105 (2009): 054301.*

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**125)-UV/Vis to NIR Photoconduction in Cyclopalladated Complexes**

Godbert N.; Dattilo D.; Termine R.; Aiello I.; Bellusci A.; Crispini A.; Golemme A.; Ghedini M.subjectliquid crystalssubjectmetallomesogenssubjectmolecular materialssubjectphotoconduction

*Chemistry - an Asian journal (Print) 4 (2009): 1141–1146.*

<https://dx.doi.org/10.1002/asia.200900023>

**126)-Random poly(fluorenylene-vinylene)s containing 3,7-dibenzothiophene-5,5-dioxide units: synthesis, photophysical, and electroluminescence properties**

ROBERTO GRISORIO; 1 CLAUDIA PILIEGO; 2; 3 PINALYSA COSMA; 4 PAOLA FINI; 5 PIERO MASTRORILLI; 1GIUSEPPE GIGLI; 2; 6 GIAN PAOLO SURANNA; 1 COSIMO FRANCESCO NOBILE1

*Journal of polymer science. Part A, Polymer chemistry 47 (2009): 2093–2104.*

<https://dx.doi.org/10.1002/pola.23291>

**127)-Synthesis and characterization of a,w-disubstituted quaterthiophenes functionalised with polar groups for solution processed OTFTs**

Romanazzi, G; Marinelli, F; Mastroianni, P; Torsi, L; Sibaouih, A; Raisanen, M; Repo, T; Cosma, P; Suranna, G P; Nobile, C F.

*Tetrahedron (Oxf., Print)* 65 (2009): 9833–9842.

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info:cnr-pdr/source/autori:Romanazzi, G; Marinelli, F; Mastroianni, P; Torsi, L; Sibaouih, A; Raisanen, M; Repo, T; Cosma, P; Suranna, G P; Nobile, C F./titolo:Synthesis and characterization of a,w-disubstituted quaterthiophenes functionalised with polar groups for solution processed OTFTs/

**128)-N-arachidonylglycine causes ROS production and cytochrome c release in liver mitochondria**

Zaccagnino P; Saltarella M; D'Oria S; Corcelli A; Saponetti MS; Lorusso M.

*Free radical biology & medicine* 47 (2009): 585–592.

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info:cnr-pdr/source/autori:Zaccagnino P, Saltarella M, D'Oria S, Corcelli A, Saponetti MS, Lorusso M./titolo:N-arachidonylglycine causes ROS production and cytochrome c release in liver mitochondria/

**129)-The cardiolipin analogues of Archaea.**

Corcelli A.

*1788 (2009): 2101–2106.*

<http://www.cnr.it/prodotto/i/40556>

info:cnr-pdr/source/autori:Corcelli A./titolo:The cardiolipin analogues of Archaea./

**130)-Archaeobacterial lipid membranes as models to study the interaction of 10-N-nonyl acridine orange with phospholipids**

Lobasso S; Saponetti MS; Polidoro F; Lopalco P; Urbanija J; Kralj-Iglic V; Corcelli A.

*Chemistry and physics of lipids (Print)* 157 (2009): 12–20.

<http://www.cnr.it/prodotto/i/40560>

info:cnr-pdr/source/autori:Lobasso S, Saponetti MS, Polidoro F, Lopalco P, Urbanija J, Kralj-Iglic V, Corcelli A./titolo:Archaeobacterial lipid membranes as models to study the interaction of 10-N-nonyl acridine orange with phospholipids/

**131)-Interactions between heavy metals and photosynthetic materials studied by optical techniques**

Ventrella, A; Catucci, L; Piletska, E; Pliesky S, Agostiano, A.

*77 (2009): 19–25.*

<http://www.cnr.it/prodotto/i/40561>



info:cnr-pdr/source/autori:Ventrella, A; Catucci, L; Piletska, E, Pliesky S, Agostiano, A./titolo:Interactions between heavy metals and photosynthetic materials studied by optical techniques/

**132)-Cardiolipin increases in chromatophores isolated from Rhodobacter sphaeroides after osmotic stress: structural and functional roles**

De Leo V.; Catucci L.; Ventrella A.; Milano F.; Agostiano A.; Corcelli A .

*Journal of lipid research (Print)* 50 (2009): 256–264.

<https://dx.doi.org/10.1194/jlr.M800312-JLR200>

**133)-Characterisation of RC-proteoliposomes at different RC/lipid ratios**

Milano,F. Italiano, F.; Agostiano, A.; Trotta, M.subjectDynamic light scatteringsubjectLiposomessubjectMicelle-to-vesicle-transitions subjectReconstitutionsubjectSize exclusion chromatography

*Photosynthesis research (Print)* 100 (2009): 107–112.

<https://dx.doi.org/10.1007/s11120-009-9423-5>

**134)-Response of the carotenoidless mutant Rhodobacter sphaeroides growing cells to cobalt and nickel exposure**

Italiano, F.; Buccolieri, A.; Giotta, L.; Agostiano, A.; Valli, L.; Milano, F.; Trotta, M.

*International biodeterioration & biodegradation* 63 (2009): 948–957.

<https://dx.doi.org/10.1016/j.ibiod.2009.05.001>

**135)-Saddles of the energy landscape and folding of model proteins**

Angelani; L.; Ruocco; G.

*Europhysics letters (Print)* 87 (2009): 18002.

<http://www.cnr.it/prodotto/i/40575>

info:cnr-pdr/source/autori:Angelani, L., Ruocco, G./titolo:Saddles of the energy landscape and folding of model proteins/

**136)-Phase diagram and complexity of mode-locked lasers: From order to disorder**

L. Leuzzi (1,3); C. Conti (2,3); V. Folli (3); L. Angelani (1,3); G. Ruocco (2,3)subjectSTIMULATED-EMISSION; RANDOM-MEDIA; DYE

*Physical review letters (Print)* 102 (2009): 083901.

<https://dx.doi.org/10.1103/PhysRevLett.102.083901>

**137)-Self-starting micromotors in a bacterial bath**

Angelani, L; Di Leonardo, R.; Ruocco, G.

*Physical review letters (Print)* 102 (2009): 048104.

<http://www.cnr.it/prodotto/i/40577>

info:cnr-pdr/source/autori:Angelani, L; Di Leonardo, R.; Ruocco, G./titolo:Self-starting micromotors in a bacterial bath/

**138)-Ultrashort pulse propagation and the Anderson localization**

S. Gentilini (1,2); A. Fratolocchi (1,3); L. Angelani (4); G. Ruocco (1,2); C. Conti (2)subjectDISORDERED MEDIUMsubjectDIFFUSIONsubjectLATTICESsubjectLIGHT  
*Optics letters* 34 (2009): 130–132.

<https://dx.doi.org/10.1364/OL.34.000130>

**139)-Hollow-pyramid based scanning near-field optical microscope coupled to femtosecond pulses: a tool for nonlinear optics at the nanoscale**

Celebrano, M.; Biagioni, P.; Zavelani-Rossi, M.; Polli, D.; Labardi, M.; Allegrini, M.; Finazzi, M.; Duò, L.; Cerullo, G.

*Review of scientific instruments* 80 (2009): 033704–033704.

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**140)-Reply to Comment on 'Phase diagram of a solution undergoing inverse melting'**

Angelini, R.; Ruocco, G.; De Panfilis, S.

*79 (2009): 053502.*

<http://www.cnr.it/prodotto/i/40580>

info:cnr-pdr/source/autori:Angelini, R.; Ruocco, G.; De Panfilis, S./titolo:Reply to Comment on 'Phase diagram of a solution undergoing inverse melting'/

**141)-Connection between Boson Peak and Elastic Properties in Silicate Glasses**

Baldi, G; Fontana, A; Monaco, G; Orsingher, L; Rols, S; Rossi, F; Ruta, B

*Physical review letters (Print)* 102 (2009): 195502-1.

<https://dx.doi.org/10.1103/PhysRevLett.102.195502>

**142)-Ising Spin-Glass Transition in a Magnetic Field Outside the Limit of Validity of Mean-Field Theory**

Leuzzi, L.; Parisi, G.; Ricci-Tersenghi, F.; Ruiz-Lorenzo, J. J.

*Physical review letters (Print)* 103 (2009): 267201.

<https://dx.doi.org/10.1103/PhysRevLett.103.267201>

**143)-A stroll among effective temperatures in aging systems: Limits and perspectives**

Leuzzi; L.

*Journal of non-crystalline solids* 355 (2009): 686.

<http://www.cnr.it/prodotto/i/40584>

info:cnr-pdr/source/autori:Leuzzi, L./titolo:A stroll among effective temperatures in aging systems: Limits and perspectives/

**144)-Multipoint viscosity measurements in microfluidic channels using optical tweezers**

Keen, Stephen; Yao, Alison; Leach, Jonathan; Di Leonardo, Roberto; Saunter, Chris; Love, Gordon; Cooper, Jonathan; Padgett, Miles

*9 (2009): 2059.*

<http://www.cnr.it/prodotto/i/40585>

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**145)-Optical trapping studies of colloidal interactions in liquid films**

Di Leonardo, R.; Ianni, F.; Saglimbeni, F.; Ruocco, G.; Keen, S.; Leach, J.; Padgett, M.

*343 (2009): 133.*

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**146)-Underdamped modes in a hydrodynamically coupled microparticle system**

Yao, A. M.; Keen, S. A. J.; Burnham, D. R.; Leach, J.; Di Leonardo, R.; McGloin, D.; Padgett, M. J.

*New journal of physics 11 (2009): 053007.*

<http://www.cnr.it/prodotto/i/40587>

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**147)-Relation Between Configurational Entropy and Relaxation Dynamics of Glass-Forming Systems under Volume and Temperature Reduction**

Capaccioli, S.; Prevosto, D.; Lucchesi, M.; Amirkhani, M.; Rolla, P.A.subjectfragilitysubjectstructural relaxationsubjectglass transition

*Journal of non-crystalline solids 355 (2009): 753–758.*

<http://www.cnr.it/prodotto/i/40589>

info:cnr-pdr/source/autori:Capaccioli, S.; Prevosto, D.; Lucchesi, M.; Amirkhani, M.; Rolla, P.A./titolo:Relation Between Configurational Entropy and Relaxation Dynamics of Glass-Forming Systems under Volume and Temperature Reduction/

**148)-Kinetics of formation of supramolecular tubules of a sodium cholate derivative**

Galantini, L.; Leggio, C.; Jover, A.; Meijide, F.; Pavel, N.V.; Tellini, V.H.S.; Tato, J.V.; Di Leonardo, R.; Ruocco, G.

*Soft matter (Print) 5 (2009): 3018.*

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**149)-Comparison of Faxen's correction for a microsphere translating or rotating near a surface**

Leach, J. (1); Mushfique, H. (2); Keen, S. (1); Di Leonardo, R. (3); Ruocco, G. (3); Cooper, J. M. (2); Padgett, M. J. (1)

*Physical review. E, Statistical, nonlinear, and soft matter physics (Print)* 79 (2009): 026301.

<http://www.cnr.it/prodotto/i/40591>

info:cnr-pdr/source/autori:Leach, J. (1); Mushfique, H. (2); Keen, S. (1); Di Leonardo, R. (3); Ruocco, G. (3); Cooper, J. M. (2); Padgett, M. J. (1)/titolo:Comparison of Faxen's correction for a microsphere translating or rotating near a surface/

**150)-Does the entropy and volume dependence of the structural alpha-relaxation originate from the Johari–Goldstein beta-relaxation?**

Prevosto, D.; Capaccioli, S.; Lucchesi, M.; Rolla, P.A.; Ngai, K.L.subjectpressure effectsubjectglass transitionssubjectstructural relaxation

*Journal of non-crystalline solids* 355 (2009): 705–711.

<http://www.cnr.it/prodotto/i/40592>

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**151)-Colloidal attraction induced by a temperature gradient**

Di Leonardo, R.; Ianni, F.; Ruocco, G.

*Langmuir* 25 (2009): 4247.

<http://www.cnr.it/prodotto/i/40593>

info:cnr-pdr/source/autori:Di Leonardo, R.; Ianni, F.; Ruocco, G./titolo:Colloidal attraction induced by a temperature gradient/

**152)-Characterization of archeological human bone tissue by enhanced backscattering of light**

Leonetti, M.; Capuani, S.; Peccianti, M.; Ruocco, G.; Conti, C.subjectbone

*Applied physics letters* 94 (2009): 101101.

<https://dx.doi.org/10.1063/1.3097014>

**153)-Dynamic and apparent specific heats during transformation of water in partly filled nanopores during slow cooling to 110 K and heating**

Tombari E.; Ferrari C.; Salvetti G.; Johari G.P.

*492 (2009): 37–44.*

<http://www.cnr.it/prodotto/i/40597>

info:cnr-pdr/source/autori:Tombari E., Ferrari C., Salvetti G., Johari G.P./titolo:Dynamic and apparent specific heats during transformation of water in partly filled nanopores during slow cooling to 110 K and heating/

**154)-Boronophenylalanine uptake in C6-glioma model is dramatically increased by L-DOPA preloading**

Capuani, S.; Gili, T.; Bozzali, M.; Russo, S.; Porcari, P.; Cametti, C.; Muolo, M.; D'Amore, E.; Maraviglia, B.; Lazzarino, G.; Pastore, F.S.

*Applied radiation and isotopes 67 (2009): S34.*

<https://dx.doi.org/10.1016/j.apradiso.2009.03.017>

**155)-Specific heat relaxation of an alcohol and implications for dielectric comparison**

Tombari E.; Ferrari C.; Salvetti G.; Johari G.P.subjectNARAYANASWAMY-MOYNIHAN MODELsubjectTEMPERATURE-MODULATED DSCsubjectSUPERCOOLED LIQUIDsubjectGLASS-TRANSITIONsubjectSTRUCTURAL RELAXATION

*The Journal of chemical physics 130 (2009): 124505–125510.*

<https://dx.doi.org/10.1063/1.3100188>

**156)-In vivo 19F MR Imaging and Spectroscopy for the BNCT optimization**

Porcari, P.; Capuani, S.; D'Amore, E.; Lecce, M.; La Bella, A.; Fasano, F.; Migneco, L.M.; Campanella, R.; Maraviglia, B.; Pastore, F.S.subject19FsubjectBNCT

*Applied radiation and isotopes 67 (2009): S365–S368.*

<https://dx.doi.org/10.1016/j.apradiso.2009.03.065>

**157)-Does water need a lambda-type transition?" Journal of Chemical Physics**

Johari G.P.; Tombari E.; Salvetti G.; Mallamace F.

*130 (2009): 126102–126103.*

<http://www.cnr.it/prodotto/i/40601>

info:cnr-pdr/source/autori:Johari G.P., Tombari E., Salvetti G., Mallamace F./titolo:Does water need a lambda-type transition?" Journal of Chemical Physics/

**158)-Electrochemical Control of the Conductivity in an Organic Memristor: A Time-Resolved X-ray Fluorescence Study of Ionic Drift as a Function of the Applied Voltage**

Berzina, Tatiana; Erokhina, Svetlana; Camorani, Paolo; Konovalov, Oleg; Erokhin, Victor; Fontana, M. P.

*1 (2009): 2115.*

<http://www.cnr.it/prodotto/i/40608>

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**159)-Constrained Markovian Dynamics of Random Graphs**

Coolen, A.C.C.; De Martino, A.; Annibale, A.  
*Journal of statistical physics* 136 (2009): 1035.  
<http://www.cnr.it/prodotto/i/40614>

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**160)-On the role of conserved moieties in shaping the robustness and production capabilities of reaction networks**

De Martino, A.; Martelli, C.; Massucci, F.A.  
*Europhysics letters (Print)* 85 (2009): 38007.  
<http://www.cnr.it/prodotto/i/40615>

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**161)-Identifying essential genes in E. coli from a metabolic optimization principle**

Martelli, C.; De Martino, A.; Marinari, E.; Marsili, M.; Castillo, I.P.  
*Proceedings of the National Academy of Sciences of the United States of America* 106 (2009): 2607.  
<http://www.cnr.it/prodotto/i/40616>

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**162)-Constraints on the phase diagram of nonmolecular CO<sub>2</sub> imposed by infrared spectroscopy**

Santoro, M.(1); Gorelli, F.A.(1,2)  
*Physical review. B, Condensed matter and materials physics* 80 (2009): 184109.  
<https://dx.doi.org/10.1103/PhysRevB.80.184109>

**163)-Inelastic x-ray scattering from high pressure fluids in a diamond anvil cell**

Gorelli, F. A.; Santoro, M.; Scopigno, T.; Krisch, M.; Bryk, T.; Ruocco, G.; Ballerini, R.  
*Applied physics letters* 94 (2009): 074102.  
<http://www.cnr.it/prodotto/i/40618>

info:cnr-pdr/source/autori:Gorelli, F. A.; Santoro, M.; Scopigno, T.; Krisch, M.; Bryk, T.; Ruocco, G.; Ballerini, R./titolo:Inelastic x-ray scattering from high pressure fluids in a diamond anvil cell/

**164)-Kinetic theory of correlated fluids: From dynamic density functional to Lattice Boltzmann methods**

Marconi, U.M.B.; Melchionna, S.  
*Journal of chemical physics online* 131 (2009): 014105.  
<http://www.cnr.it/prodotto/i/40620>

info:cnr-pdr/source/autori:Marconi, U.M.B.; Melchionna, S./titolo:Kinetic theory of correlated fluids: From dynamic density functional to Lattice Boltzmann methods/

**165)-Key Role of Proximal Water in Regulating Thermostable Proteins**

Sterpone, F.; Bertonati, C.; Briganti, G.; Melchionna, S.  
*The journal of physical chemistry. B* 113 (2009): 131–137.  
<https://dx.doi.org/10.1021/jp805199c>

**166)-Slow dynamics of liquid Se studied by InfraRed Photon Correlation Spectroscopy**

Cazzato, S.; Scopigno, T.; Yannopoulos, S.N.; Ruocco, G.  
*Journal of non-crystalline solids* 355 (2009): 1797.  
<http://www.cnr.it/prodotto/i/40626>

info:cnr-pdr/source/autori:Cazzato, S.; Scopigno, T.; Yannopoulos, S.N.; Ruocco, G./titolo:Slow dynamics of liquid Se studied by InfraRed Photon Correlation Spectroscopy/

**167)-Prigogine-Defay Ratio for an Ionic Glass-Former: Molecular Dynamics Simulations**

Ribeiro, M.C.C.; Scopigno, T.; Ruocco, G.  
*113 (2009): 3099.*  
<http://www.cnr.it/prodotto/i/40627>

info:cnr-pdr/source/autori:Ribeiro, M.C.C.; Scopigno, T.; Ruocco, G./titolo:Prigogine-Defay Ratio for an Ionic Glass-Former: Molecular Dynamics Simulations/

**168)-New methods and techniques for sensing the wave aberrations of human eyes**

Lombardo M.; Lombardo G.subjectHIGHER-ORDER ABERRATIONSsubjectSHACK-HARTMANN SENSORsubjectRETINAL-IMAGE QUALITYsubjectFRONT SENSORsubjectADAPTIVE OPTICS  
*Clinical and experimental optometry* 92 (2009): 176–186.  
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**169)-Silver nanoparticles behave as hydrophobic solutes towards the liquid water structure in the interaction shell. A Raman study in the O-H stretching region**

R.S. Cataliotti; F. Aliotta; R. Ponterio  
*PCCP. Physical chemistry chemical physics (Print)* 11 (2009): 11258–11263.  
<https://dx.doi.org/10.1039/b915317a>

**170)-The effect of chemical composition on the structure and properties of the columbites A<sub>2</sub>Nb<sub>2</sub>O<sub>6</sub>**

Ovchar O.; Belous A.; Jancar B.; Spreitzer M.; Annino G.; Grebennikov D.; Mascher P.  
*Journal of the Electrochemical Society* (2009).  
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**171)-Miniaturized High Impedance Surfaces with Angular Stability by using Zirconium Tin Titanate (ZST) Substrates and Convolute FSS Elements**

Genovesi S.; Costa F.; Cioni B.; Miceli V.; Annino G.; Gallone G.; Levita G.; Lazzeri A.; Monorchio A.; Manara G.

*Microwave and optical technology letters (Print) (2009).*

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**172)-The effect of impurity phases on the structure and properties of microwave dielectrics based on complex perovskites  $Ba(Co_{1/32}+Nb_{2/3})O_3$**

Ovchar O.; Belous A.; Kramarenko O.; Mischuk D.; Jancar B.; Spreitzer M.; Suvorov D.; Annino G.; Grebennikov D.; Mascher P.subjectCERAMICSsubjectBA(CO1/3NB2/3)O-3

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<https://dx.doi.org/10.1080/00150190902967097>

**173)-Low- loss perovskite niobates  $Ba(M_{1/32}+Nb_{2/3})O_3$ : composition, structure, and microwave dielectric properties**

Belous A.; Ovchar O.; Kramarenko O.; Mischuk D.; Jancar B.; Spreitzer M.; Suvorov D.; Annino G.; Grebennikov D.; Mascher P.

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**174)-High-frequency EPR applications of open nonradiative resonators**

Annino G.; Fittipaldi M.; Martinelli M.; Moons H.; Van Doorslaer S.; Goovaerts E.

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**175)-Development of  $Al_2O_3$  -  $TiO_2$  composite ceramics for high-power millimeter-wave applications**



Kolodiaznyi T.; Annino G.; Spreitzer M.; Taniguchi T.; Panariello A.; Fitzpatrick W. subjectDielectric resonators subjectDielectric loss subjectComposite ceramics subjectMicrowaves

*Acta materialia* 57 (2009): 3402–3409.

<https://dx.doi.org/10.1016/j.actamat.2009.03.050>

**176)-A new concept of open TE<sub>011</sub> cavity**

Annino G.; Cassettari M.; Martinelli M. subjectMillimeter wavelengths; open resonator; submillimeter wavelengths; TE<sub>011</sub> mode; trapped modes

*IEEE transactions on microwave theory and techniques* 57 (2009): 775–783.

<https://dx.doi.org/10.1109/TMTT.2009.2015028>

**177)-Born-Oppenheimer quantum dynamics of the C +H<sub>2</sub> reaction on the CH<sub>2</sub> and surfaces.**

P. Defazio; C. Petrongolo; B. Bussery-Honvault; P. Honvault.

*131 (2009): 114303.*

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**178)-Relaxation of NH( ,v=1) in collisions with H : An experimental and theoretical study.**

P. Defazio; C. Petrongolo; G. C. McBane; L. Adam; W. Hack; S. Akpınar; R. Schinke.

*113 (2009): 14458.*

<http://www.cnr.it/prodotto/i/40657>

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**179)-Rotational, steric, and Coriolis effects on the F+HCl->HF+Cl reaction on the ground state surface.**

P. Defazio and C. Petrongolo.

*113 (2009): 4208.*

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**180)-Liquid-like Ordering of Negatively Charged Poly(amidoamine) (PAMAM) Dendrimers in Solution**

Lombardo Domenico

*Langmuir* 25 (2009): 3271–3275.

<http://www.cnr.it/prodotto/i/40661>

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**181)-Dendrimer Template Directed Self-Assembly during Zeolite Formation**

Bonaccorsi L. (1); Lombardo D. (2); Longo A. (3); Proverbio E. (1); Triolo A (2).

*Macromolecules (Print)* 42 (2009): 1239–1243.

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**182)-Motori a propulsione batterica**

Angelani, L; Di Leonardo, R.; Ruocco, G.

*4* (2009).

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**183)-A light touch on nanotubes: femtonewton force sensing and nanometric spatial resolution**

Maragò O.M.; Jones P.H.; A.C. Ferraris

subjectOptical Trappings subjectCarbon Nanotubes subjectNanostructures

*SPIE newsroom* (2009).

<https://dx.doi.org/10.1117/2.1200901.1475>

**184)-Neutron Tomography adt ISIS**

Salvato G.; Aliotta F.; Ponterio R. C.; Vas C.i; Bartoli L.; Grazi F.; Zoppi M.

*14* (2009): 14–18.

<http://www.cnr.it/prodotto/i/66433>

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**185)-Sbarrare il passo all'influenza**

Trotta M; Pinto LH

*Sapere (Bari)* 75 (2009): 68–69.

<http://www.cnr.it/prodotto/i/66439>

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**186)-Che ritmo quel trio!**

Trotta M; Ceci L

*75* (2009): 84–85.

<http://www.cnr.it/prodotto/i/66443>

info:cnr-pdr/source/autori:Trotta M, Ceci L/titolo:Che ritmo quel trio!/

**187)-L'uomo del ponte**

Trotta Massimo e Ceci Luigi R.

*Sapere (Bari) 75 (2009): 74–75.*

<http://www.cnr.it/prodotto/i/66444>

info:cnr-pdr/source/autori:Trotta Massimo e Ceci Luigi R./titolo:L'uomo del ponte/

**188)-Cry li ammazza stecchiti**

Trotta M; Ceci L

*75 (2009): 86–87.*

<http://www.cnr.it/prodotto/i/66445>

info:cnr-pdr/source/autori:Trotta M, Ceci L/titolo:Cry li ammazza stecchiti/

**189)-La mutazione di Dracula**

Trotta M; Italiano F; Ceci L

*Sapere (Bari) 75 (2009): 70–71.*

<http://www.cnr.it/prodotto/i/66457>

info:cnr-pdr/source/autori:Trotta M, Italiano F, Ceci L/titolo:La mutazione di Dracula/

**190)-Mathematical approach to the relaxation phenomena**

Ciancio V.; Farsaci F.; Rogolino P.

*Applied Sciences (Bucur.) 11 (2009): 48–59.*

<http://www.cnr.it/prodotto/i/66460>

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**191)-On the extension of Debye's model for media with dielectric relaxation**

Ciancio V.; Farsaci F.; Rogolino P.

*International journal of engineering and interdisciplinary mathematics 1 (2009): 57–63.*

<http://www.cnr.it/prodotto/i/66461>

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**192)-Prediction of coronary artery plaque progression and potential rupture from 320-detector row prospectively ECG-gated single heart beat CT angiography: Lattice Boltzmann evaluation of endothelial shear stress**

Rybicki, F.J.; Melchionna, S.; Mitsouras, D.; Coskun, A.U.; Whitmore, A.G.; Steigner, M.; Nallamshetty, L.; Welt, F.; Bernaschi, M.; Borkin, M.; Sircar, J.; Kaxiras, E.; Succi, S.; Stone, P.; Feldman, C.

*The international journal of cardiovascular imaging 25 (2009): 289–299.*

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- 193)-Quantized biopolymer translocation through nanopores: departure from simple scaling**  
Melchionna, S.; Bernaschi, M.; Fyta, M.; Kaxiras, E.; Succi, S.  
*Physical review. E, Statistical, nonlinear, and soft matter physics (Print)* 79 (2009): 030901.  
<http://www.cnr.it/prodotto/i/167158>  
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- 194)-Vitrification and devitrification of the rigid amorphous fraction in poly(ethylene terephthalate)**  
Righetti M.C.; Di Lorenzo M.L.  
*E-Polymers* 053 (2009).  
<http://www.cnr.it/prodotto/i/167274>  
info:cnr-pdr/source/autori:Righetti M.C.; Di Lorenzo M.L./titolo:Vitrification and devitrification of the rigid amorphous fraction in poly(ethylene terephthalate)/
- 195)-Influence of crystal polymorphism on the three-phase structure and on the thermal properties of isotactic poly(1-butene)**  
M. L. Di Lorenzo; M. C. Righetti; B. Wunderlich  
*Macromolecules (Print)* 42 (2009): 9312–9320.  
<https://dx.doi.org/10.1021/ma901882g>
- 196)-Bioactive modification of silicon surface using self-assembled hydrophobins from *Pleurotus ostreatus***  
De Stefano L; Rea I; De Tommasi E; Rendina I; Rotiroti L; Giocondo M; Longobardi S; Armenante A; Giardina P  
subjectMICROARRAY SUPPORT MATERIALSsubjectCRYSTAL-STRUCTUREsubjectPROTEINsubjectLACCASEsubjectPOLY(DIMETHYLSILOXANE)  
*The European physical journal. E, Soft matter (Print)* 30 (2009): 181–185.  
<http://www.cnr.it/prodotto/i/168009>  
info:cnr-pdr/source/autori:De Stefano L, Rea I, De Tommasi E, Rendina I, Rotiroti L, Giocondo M, Longobardi S, Armenante A, Giardina P/titolo:Bioactive modification of silicon surface using self-assembled hydrophobins from *Pleurotus ostreatus*/
- 197)-Biological passivation of porous silicon by a self-assembled nanometric biofilm of proteins**  
De Stefano L; Rea I; De Tommasi E; Giardina P; Armenante A; Longobardi S; Giocondo M; Rendina I  
subjectOPTICAL BIOSENSORsubjectHYDROPHOBINSsubjectTECHNOLOGYsubjectBIOCHIPSsubjectBINDING SURFACE  
*Journal of nanophotonics* 3 (2009): 031985–031985.  
<http://www.cnr.it/prodotto/i/168011>

info:cnr-pdr/source/autori:De Stefano L, Rea I, De Tommasi E, Giardina P, Armenante A, Longobardi S, Giocondo M, Rendina I/titolo:Biological passivation of porous silicon by a self-assembled nanometric biofilm of proteins/

**198)-Photoemission and photoabsorption spectroscopy of glycyl-glycine in the gas phase**

Feyer V. a; Plekan O. a; Richter R. a; Coreno M. b; Prince K.C. a; Carravetta V. csubjectglycine-glycinesubjectXPSsubjectNEXASsubjectcomputational spectroscopy  
*The journal of physical chemistry. A* 113 (2009): 10726–10733.  
<https://dx.doi.org/10.1021/jp906843j>

**199)-POLICRYPS: a liquid crystal composed nano/microstructure with a wide range of optical and electro-optical applications**

R. Caputo 1; A. De Luca 1; L. De Sio 1; L. Pezzi 1; G. Strangi 1; C. Umeton 1; A. Veltri 1; R. Asquini 2; A. d'Alessandro 2; D. Donisi 2; R Beccherelli 3; A. V. Sukhov 4. N. V. Tabiryas 5  
*Journal of optics. A, Pure and applied optics (Print)* 11 (2009): 024017.  
<https://dx.doi.org/10.1088/1464-4258/11/2/024017>

**200)-Reply to comments of Tsikas on “Determination of S-nitrosoglutathione and other nitrosothiols by p-hydroxymercurybenzoate derivatization and reverse phase chromatography coupled with chemical vapor generation atomic fluorescence detection**

Emilia Bramanti; Valeria Angeli; Zoltan Mester; Alessandro D’Ulivo  
*Talanta (Oxf.)* 78 (2009): 55.  
<http://www.cnr.it/prodotto/i/168735>

info:cnr-pdr/source/autori:Emilia Bramanti, Valeria Angeli, Zoltan Mester, Alessandro D’Ulivo/titolo:Reply to comments of Tsikas on “Determination of S-nitrosoglutathione and other nitrosothiols by p-hydroxymercurybenzoate derivatization and reverse phase chromatography coupled with chemical vapor generation atomic fluorescence detection/

**201)-Poly(ethyl acrylate) surface-initiated ATRP grafting from wood pulp cellulose fibers**

Zampano, Giovanni; Bertoldo, Monica; Bronco, SimonasubjectWood pulpsubjectCellulose modificationsubjectSurface initiated ATRPsubjectEthyl acrylate polymerization  
*Carbohydrate polymers* 75 (2009): 22–31.  
<https://dx.doi.org/10.1016/j.carbpol.2008.06.005>

**202)-Fluorescence spectroscopy of synthetic melanin in solution**

Perna, G.; Frassanito, M. C.; Palazzo, G.; Gallone, A.; Mallardi, A.; Biagi, P. F.; Capozzi, V.  
*Journal of luminescence* 129 (2009): 44–49.  
<http://www.cnr.it/prodotto/i/169159>

info:cnr-pdr/source/autori:Perna, G.; Frassanito, M. C.; Palazzo, G.; Gallone, A.; Mallardi, A.; Biagi, P. F.; Capozzi, V./titolo:Fluorescence spectroscopy of synthetic melanin in solution/

**203)-MUPHY: A parallel MULTI PHYsics/scale code for high performance bio-fluidic simulations**

Bernaschi M.; Melchionna S.; Succi S.; Fyta M.; Kaxiras E.; Sircar J. K.

*Computer physics communications* 180 (2009): 1495–1502.

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**204)-Nanosize effects, physicochemical properties, and catalytic oxidation pattern of the redox-precipitated MnCeOx system**

Francesco Arena; Giuseppe Trunfio; Barbara Fazio; Jacopo Negro; Lorenzo Spadaro

*Journal of physical chemistry. C* 113 (2009): 2822–2829.

<https://dx.doi.org/10.1021/jp8068249>

**205)-Electronic structure of aromatic amino acids studied by soft X-ray spectroscopy**

Zhang W. a; Carravetta V. b; Plekan O. c; Feyer V.c; Richter R.c; Coreno M.d; Prince K.C.

subjectcomputational spectroscopysubjectaromatic amino acidsubjectXPSsubjectNEXAFS

*The Journal of chemical physics* 131 (2009): 035103–35113.

<https://dx.doi.org/10.1063/1.3168393>

**206)-Secondary relaxations in heterocyclic polymer networks: A study of mechanical spectroscopy**

G. Carini Jr; G. Carini; S. La Rocca; G. Tripodo; A. Bartolotta; G. Di Marco, E. G. Privalko

*Materials science & engineering. A, Structural materials: properties, microstructure and processing* 521 (2009): 251–254.

<https://dx.doi.org/10.1016/j.msea.2008.09.122>

**207)-Surfactant-like behaviour of short-chain alcohols in porphyrin aggregation**

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

*The journal of physical chemistry. B* 113 (2009): 11173–11178.

<https://dx.doi.org/10.1021/jp903430u>

**208)-In vivo absorption spectra of the two stable states of the Euglena photoreceptor photocycle**

Barsanti L.; Coltelli P.; Evangelista V.; Passarelli V.; Frassanito A.M.; Vesentini N.; Santoro F.; Gualtieri P.subjectEuglena gracilissubjectPhotoreceptorsubjectRhodopsin-like protein

*Photochemistry and photobiology* 85 (2009): 304–312.

<https://dx.doi.org/10.1111/j.1751-1097.2007.00438.x>

**209)-Chemically directed assembly of functionalized luminescent nanocrystals onto plasma modified substrates toward sensing and optoelectronic applications**

E. Sardella; F.D. Liuzzi; R. Comparelli; N. Depalo; M. Striccoli; M.L. Curri; A. Agostiano; P. Favia; R. d'Agostino

*Plasma processes and polymers (Print) 6 (2009): S870–S875.*

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**210)-Characterization of polar membrane lipids of the extremely halophilic bacterium *Salinibacter ruber* and possible role of cardiolipin**

Lattanzio V.M.; Baronio M; Oren A; Russell NJ; Corcelli A.

*1791 (2009): 25–31.*

<http://www.cnr.it/prodotto/i/171438>

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**211)-Rhodium-catalyzed deuteroformylation of the ketal-masked beta-isophorone: Evidence for a tertiary alkyl rhodium intermediate as a precursor of the main reaction product acetaldehyde derivative**

Lazzaroni R.; Settambolo R.; Marchetti M.; Paganelli S.; Alagona G.; Ghio C.subjectDeuterioformylationssubjectRegioselectivitysubjectTertiary rhodium alkylsubjectbeta-eliminationssubjectIsomerization

*Inorganica Chimica Acta (Testo stamp.) 362 (2009): 1641–1644.*

<https://dx.doi.org/10.1016/j.ica.2008.07.006>

**212)-The intracellular effects of non-ionic amphiphilic cyclodextrin nanoparticles in the delivery of anticancer drugs**

Fabiana Quaglia; Luisanna Ostacolo; Antonino Mazzaglia; Valentina Villari; Daniela Zaccaria; Maria T. SciortinosubjectAmphiphilic cyclodextrinssubjectnanoparticles

*Biomaterials 30 (2009): 374–382.*

<https://dx.doi.org/10.1016/j.biomaterials.2008.09.035>

**213)-Raman gain in niobium-phosphate glasses**

Sirleto L.; Donato M. G.; Messina G.; Santangelo S.; Lipovskii A. A.; Tagantsev D. K.; Pelli S.; Righini G. C.

*Applied physics letters 94 (2009): 031105–031105.*

<https://dx.doi.org/10.1063/1.3072354>

**214)-Numerical simulation of conformational variability in biopolymer translocation through wide nanopores**

Fyta M., Melchionna S., Bernaschi M., Succi S. et al. Fyta, M.; Melchionna, S.; Bernaschi, M.; Kaxiras, E.; Succi, S.

*(2009): P06009.*

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**215)-Study of the compounding process parameters for morphology control of LDPE/layered silicate nanocomposites**

Coiai S.; Scatto M.; Bertoldo M.; Conzatti L.; Andreotti L.; Sterner M.; Passaglia E.; Costa G.; Ciardelli F.subjectLOW-DENSITY POLYETHYLENEsubjectCLAY NANOCOMPOSITES  
*E-Polymers* (2009).

[http://www.e-polymers.org/journal/abstract.cfm?abstract\\_Id=3385](http://www.e-polymers.org/journal/abstract.cfm?abstract_Id=3385)

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**216)-Time-of-flight neutron diffraction characterization of ceramic findings from southern and western Sicily**

Bartoli L.; Aliotta F.; Imberti S.; La Torre G.; Ponterio R.; Toscano Raffa A.; Vasi C.; Zoppi M.subjectARCHAEOLOGYsubjectCERAMICSsubjectNEUTRON  
DIFFRACTIONsubjectArchaeometry  
*Archaeometry* 51 (2009): 568–575.

<http://www.cnr.it/prodotto/i/173782>

info:cnr-pdr/source/autori:Bartoli L.; Aliotta F.; Imberti S.; La Torre G.; Ponterio R.; Toscano Raffa A.; Vasi C.; Zoppi M./titolo:Time-of-flight neutron diffraction characterization of ceramic findings from southern and western Sicily/

**217)-Vapor Generation of Inorganic Anionic Species After Aqueous phase Alkylation with Trialkyloxonium Tetrafluoroborates**

Alessandro D'Ulivo; Enea Pagliano; Massimo Onor; Emanuela Pitzalis; Roberto Zamboni  
*Analytical chemistry (Wash.)* 81 (2009): 6399–6406.

<https://dx.doi.org/10.1021/ac900865d>

**218)-Boson peak in alkaline borate glasses: Raman spectroscopy, neutron scattering, and specific-heat measurements**

D'Angelo G.; Carini G.; Crupi C.; Koza M.; Tripodo G.; Vasi C.subjectborate glasses; caesium compounds; elastic moduli; lithium compounds; neutron diffraction; potassium compounds; Raman spectra; sodium compounds; specific heat; vibrational modes  
*Physical review. B, Condensed matter and materials physics* 79 (2009): 014206.

<https://dx.doi.org/10.1103/PhysRevB.79.014206>

**219)-Dielectric spectra of manganese thiophosphate intercalated with sodium ions**



Letteria Silipigni; Lilla Schirò; Teresa Quattrone; Vincenzo Grasso; Gabriele Salvato; Luigi Monsù Scolaro; Giovanna De Lucasubjectdielectric polarisationsubjectintercalation compoundssubjection exchangesubjectmanganese compoundssubjectpermittivity  
*Journal of applied physics (online)* 105 (2009): 123703.  
<https://dx.doi.org/10.1063/1.3148271>

**220)-State-to-state rotational transitions rates of the HCO<sup>+</sup> ion by collisions with helium**

Buffa G.; Dore L.; Meuwley M.subjectmolecular datasubjectISM: molecules  
*Monthly notices of the Royal Astronomical Society (Print)* 397 (2009): 1909–1914.  
<http://www.cnr.it/prodotto/i/177478>

info:cnr-pdr/source/autori:Buffa G.; Dore L.; Meuwley M./titolo:State-to-state rotational transitions rates of the HCO<sup>+</sup> ion by collisions with helium/

**221)-Ferroelectric Response and Induced Biaxiality in the Nematic Phase of a Bent-Core Mesogen**

Oriano Francescangeli; Vesna Stanic; Sofia I. Torgova; Alfredo Strigazzi; Nicola Scaramuzza; Claudio Ferrero; Igor P. Dolbnya; Thomas M. Weiss; Roberto Berardi; Luca Muccioli; Silvia Orlandi; Claudio Zannoni  
*Advanced functional materials (Internet)* 18 (2009): 2600.  
<http://www.cnr.it/prodotto/i/178033>

info:cnr-pdr/source/autori:Oriano Francescangeli; Vesna Stanic; Sofia I. Torgova; Alfredo Strigazzi;  
Nicola Scaramuzza; Claudio Ferrero; Igor P. Dolbnya; Thomas M. Weiss;  
Roberto Berardi; Luca Muccioli; Silvia Orlandi; Claudio Zannoni/titolo:Ferroelectric Response and Induced Biaxiality in the Nematic Phase of a Bent-Core Mesogen/

**222)-Irregular polarographic currents obey Feigenbaum universality route from order to chaos**

Pospisil, L; Hromadova, M; Gal, M; Valasek, M; Fanelli, N; Kolivoska, VsubjectExtended viologensubjectPyridinium saltssubjectElectroreductionsubjectFeigenbaum constantsubjectPolarography  
*Collection of Czechoslovak Chemical Communications (Print)* 74 (2009): 1559–1570.  
<https://dx.doi.org/10.1135/cccc2009120>

**223)-Sagnac interferometer method for synthesis of fractional polarization vortices**

P. H. Jones; M. Rashid; M. Makita; O. M. MaragòsubjectSagnac interferometersubjectpolarization vorticesubjectcylindrical vector beams  
*Optics letters* 34 (2009): 2560.  
<http://www.cnr.it/prodotto/i/178896>

info:cnr-pdr/source/autori:P. H. Jones; M. Rashid; M. Makita; and O. M. Maragò/titolo:Sagnac interferometer method for synthesis of fractional polarization vortices/

**224)-Semi-quantitative analysis of metal alloys, brass and soil samples by calibration-free laser-induced breakdown spectroscopy: recent results and considerations**

K. K. Herrera; E. Tognoni; N. Omenetto; B. W. Smith; J. D. Winefordner

*Journal of analytical atomic spectrometry (Print)* 24 (2009): 413–425.

<https://dx.doi.org/10.1039/b820493d>

**225)-Effects of the alkali-metal intercalation on the dielectric properties of manganese thiophosphate**

Silipigni L.; Schirò L.; Grasso V.; Salvato G. Monsù Scolaro L.; De Luca G.subjectlayered intercalation compoundssubjectdielectric properties

*Il Nuovo cimento B (2009, Testo stamp.)* 124 (2009): 427–434.

<https://dx.doi.org/10.1393/ncb/i2009-10775-9>

**226)-Influence of gas-mixture composition on yield, purity and morphology of carbon nanotubes grown by catalytic isobutane-decomposition**

M.G. Donato; G. Faggio; S. Galvagno; M. Lanza; G. Messina; C. Milone; E. Piperopoulos; A. Pistone; S. SantangelosubjectCarbon nanotubessubjectIsobutanesubjectRaman spectroscopysubjectCatalytic processes

*Diamond and related materials* 18 (2009): 360–363.

<http://www.cnr.it/prodotto/i/180290>

info:cnr-pdr/source/autori:M.G. Donato; G. Faggio; S. Galvagno; M. Lanza; G. Messina; C. Milone; E. Piperopoulos; A. Pistone; S. Santangelo/titolo:Influence of gas-mixture composition on yield, purity and morphology of carbon nanotubes grown by catalytic isobutane-decomposition/

**227)-Mechanisms involved in stannane generation by aqueous tetrahydroborate(III) Role of acidity and L-cysteine**

Emanuela Pitzalis; Marco Carlo Mascherpa; Massimo Onor; Alessandro D'UlivosubjectTin; Sodium tetrahydroborate (III); L-cysteine; Hydride generation; Reaction mechanism; Atomic spectrometry

*Spectrochimica acta. Part B, Atomic spectroscopy* 64 (2009): 309–314.

<https://dx.doi.org/10.1016/j.sab.2009.02.011>

**228)-Influence of Carbon Source and Fe-Catalyst Support on the Growth of Multi-Walled Carbon Nanotubes**

M. G. Donato; S. Galvagno; M. Lanza; G. Messina; C. Milone; E. Piperopoulos; A. Pistone; S. Santangelo

*Journal of nanoscience and nanotechnology (Print)* 9 (2009): 3815–3823.

<http://www.cnr.it/prodotto/i/180580>

info:cnr-pdr/source/autori:M. G. Donato; S. Galvagno; M. Lanza; G. Messina; C. Milone; E. Piperopoulos; A. Pistone; S. Santangelo/titolo:Influence of Carbon Source and Fe-Catalyst Support on the Growth of Multi-Walled Carbon Nanotubes/

**229)-Comparative study of two standard-free approaches in laser-induced breakdown spectroscopy as applied to the quantitative analysis of aluminum alloy standards under vacuum conditions**

K.K. Herrera; E. Tognoni; I.B. Gornushkin; N. Omenetto; B.W. Smith; J.D. Winefordner  
*Journal of analytical atomic spectrometry (Print)* 24 (2009): 426–438.  
<https://dx.doi.org/10.1039/b820494b>

**230)-Growth process of nanostructured silver films pulsed laser ablated in high-pressure inert gas**

Fazio E.; Neri F.; Ossi P.M.; Santo N.; Trusso S.subjectSilver nanoparticlessubjectLaser ablationsubjectThin film morphology  
*Applied surface science* 255 (2009): 9676–9679.  
<https://dx.doi.org/10.1016/j.apsusc.2009.04.050>

**231)-Silver nanoparticles behave as hydrophobic solutes towards the liquid water structure in the interaction shell. A Raman study in the O-H stretching region**

Rosario Sergio Cataliotti; Francesco Aliotta; Rosa Ponterio  
*Physical chemistry chemical physics (Online)* 11 (2009): 11258–11263.  
<https://dx.doi.org/10.1039/b915317a>

**232)-Artificial Scaffolds For Peripheral Nerve Reconstruction**

CHIONO V.; TONDA-TURO C.; CIARDELLIG.  
*International review of neurobiology* 87 (2009): 173–198.  
[https://dx.doi.org/10.1016/S0074-7742\(09\)87009-8](https://dx.doi.org/10.1016/S0074-7742(09)87009-8)

**233)-Wide band gap materials as a new tuning strategy for dye doped cholesteric liquid crystals laser**

G. Petriashvili; M. A. Matranga; M. P. De Santo; G. Chilaya; R. BarberisubjectLiquid crystalssubjectcholestericsubjectlaser  
*Optics express* 17 (2009): 4553–4558.  
<http://www.cnr.it/prodotto/i/185567>

info:cnr-pdr/source/autori:G. Petriashvili; M. A. Matranga; M. P. De Santo; G. Chilaya; R. Barberi/titolo:Wide band gap materials as a new tuning strategy for dye doped cholesteric liquid crystals laser/

**234)-Natural dye sensitzers for photoelectrochemical cells**

G. Calogero; G. Di Marco; S Caramori; S. Cazzanti; R. Argazzi; C. A. Bignozzi.  
*Energy & environmental science (Print)* 2 (2009): 1162–1172.  
<http://www.cnr.it/prodotto/i/182722>

info:cnr-pdr/source/autori:G. Calogero; G. Di Marco; S Caramori; S. Cazzanti; R. Argazzi; C. A. Bignozzi./titolo:Natural dye sensitzers for photoelectrochemical cells/

**235)-Time-Dependent Nonlinear Optical Susceptibility of an Out-of-Equilibrium Soft Material**

Neda Ghofraniha (1); Claudio Conti (2); Giancarlo Ruocco (1,2); Francesco Zamponi (3)subjectZ-SCAN

MEASUREMENTSsubjectNANOPARTICLESsubjectGLASSsubjectTOLUENE

*Physical review letters (Print)* 102 (2009): 038303.

<https://dx.doi.org/10.1103/PhysRevLett.102.038303>

**236)-Collective Thermal Diffusion of Silica Colloids Studied by Nonlinear Optics**

Neda Ghofraniha (1); Giancarlo Ruocco (1,2); Claudio Conti (2)subjectPARTICLE THERMOPHORESISsubjectTEMPERATURE-DEPENDENCESubjectINTERACTING COLLOIDSsubjectPOLYMER-SOLUTIONSsubjectCHARGED COLLOIDS

*Langmuir* 25 (2009): 12495–12500.

<https://dx.doi.org/10.1021/la9017272>

**237)-On the effect of rear-surface dielectric coatings on laser-driven proton acceleration**

Betti, S; Cecchetti, CA; Forster, E; Gamucci, A; Giulietti, A; Giulietti, D; Kampfer, T; Koster, P; Labate, L; Levato, T; Lubcke, A; Uschmann,; Zamponi, F; Gizzi, LAsubjectELECTRON-TRANSPORTsubjectPLASMAsubjectBEAMSsubjectEXPANSIONsubjectPULSES

*Physics of plasmas* 16 (2009): 100701.

<https://dx.doi.org/10.1063/1.3251425>

**238)-Chemically Directed Assembling of Functionalized Luminescent Nanocrystals onto Plasma Modified Substrates Towards Sensing and Optoelectronic Applications**

Sardella, Eloisa; Liuzzi, Francesco D.; Comparelli, Roberto; Depalo, Nicoletta; Striccoli, Marinella; Curri, M. Lucia; Agostiano, Angela; Favia, Pietro; d'Agostino, Riccardosubjectmicro-patterningssubjectPE-CVDsubjectQuantum DotssubjectRF(13.56MHz) Glow discharges

*Plasma processes and polymers (Print)* 6 (2009): S870–S875.

<https://dx.doi.org/10.1002/ppap.200932204>

**239)-HOST-GUEST INTERACTION OF PESTICIDE BIFENOX WITH CYCLODEXTRIN MOLECULES. AN ELECTROCHEMICAL STUDY**

Hromadova, Magdalena; Sokolova, Romana; Pospisil, Lubomir; Lachmanova, Stepanka; Fanelli, Nicolangelo; Giannarelli,

StefaniasubjectReductionssubjectElectroreductionssubjectNitro anion radicalssubjectDiphenyl ether

herbicidesubjectBifenoxsubjectCyclodextrinssubjectPesticidessubjectElectrochemistrysubject Polarography

*Collection of Czechoslovak Chemical Communications (Print)* 74 (2009): 1647–1664.

<https://dx.doi.org/10.1135/cccc2009509>

**240)-An open field: quantum dynamics in base pair DNA systems**

Giovanni Villani

*Chemical physics research journal* 3 (2009): 1.

<http://www.cnr.it/prodotto/i/177767>

info:cnr-pdr/source/autori:Giovanni Villani/titolo:An open field: quantum dynamics in base pair DNA systems/

**241)-Complessità sistemica. Un concetto generale di notevole importanza chimica**

Giovanni Villani

*CnS. La Chimica nella Scuola* 31 (2009): 109.

<http://www.cnr.it/prodotto/i/177774>

info:cnr-pdr/source/autori:Giovanni Villani/titolo:Complessità sistemica. Un concetto generale di notevole importanza chimica/

**242)-TIME-OF-FLIGHT NEUTRON DIFFRACTION CHARACTERIZATION OF CERAMIC FINDINGS FROM SOUTHERN AND WESTERN SICILY**

Bartoli, L.; Aliotta, F.; Imberti, S.; La Torre, G.; Ponterio, R.; Raffa, A. Toscano; Vasi, C.; Zoppi, M.subjectARCHAEOLOGYsubjectCERAMICSsubjectNEUTRON DIFFRACTION  
*Archaeometry* 51 (2009): 568–575.

<https://dx.doi.org/10.1111/j.1475-4754.2008.00425.x>

**243)-The Effect of Chemical Composition on the Structure and Dielectric Properties of the Columbites A(2+)Nb(2)O(6)**

Belous, Anatolii; Ovchar, Oleg; Jancar, Bostjan; Spreitzer, Matjaz; Annino, Giuseppe; Grebennikov, Dmitriy; Mascher, PeterssubjectMICROWAVE; CERAMICS; NONSTOICHIOMETRY; MICROSTRUCTURE; SUBMILLIMETER; PERMITTIVITY; ANNIHILATION; TEMPERATURE; PEROVSKITE; NIOBATES

*Journal of the Electrochemical Society* 156 (2009): G206–G212.

<https://dx.doi.org/10.1149/1.3236661>

**244)-Natural dye sensitizers for photoelectrochemical cells**

Calogero, Giuseppe; Di Marco, Gaetano; Caramori, Stefano; Cazzanti, Silvia; Argazzi, Roberto; Bignozzi, Carlo AlbertosubjectSENSITIZED SOLAR-CELLS; NANOCRYSTALLINE TiO2 FILMS; ARTIFICIAL PHOTOSYNTHESIS; CHLOROPHYLL DERIVATIVES; POLYPYRIDINE COMPLEXES; ELECTRON INJECTION; HIGH-EFFICIENCY; PHOTSENSITIZATION; LIGHT; SEMICONDUCTORS

*Energy & environmental science (Print)* 2 (2009): 1162–1172.

<https://dx.doi.org/10.1039/b913248c>

**245)-Random Poly(fluorenylene-vinylene)s Containing 3,7-Dibenzothiophene-5,5-dioxide Units: Synthesis, Photophysical, and Electroluminescence Properties**

ROBERTO GRISORIO; CLAUDIA PILIEGO; PINALYSA COSMA; PAOLA FINI; PIERO MASTRORILLI; GIUSEPPE GIGLI; GIAN PAOLO SURANNA; COSIMO FRANCESCO NOBILEsubject.

*Journal of polymer science. Part A, Polymer chemistry* (2009).

<http://www.cnr.it/prodotto/i/178010>

info:cnr-pdr/source/autori:ROBERTO GRISORIO; CLAUDIA PILIEGO; PINALYSA COSMA; PAOLA FINI; PIERO MASTRORILLI; GIUSEPPE GIGLI; GIAN PAOLO SURANNA; COSIMO FRANCESCO NOBILE/titolo:Random Poly(fluorenylene-vinylene)s Containing 3,7-Dibenzothiophene-5,5-dioxide Units: Synthesis, Photophysical, and Electroluminescence Properties/

**246)-Influence of the substrate surface texture on the photon-sensitivity stability of CsI thin film photocathodes**

Nitti, Mariangela A.; Tinti, Anna; Valentini, Antoninho; Nappi, Eugenio; Acquafredda, Pasquale; Fanizza, Elisabetta; Ingrosso, Chiara; Pistillo, Bianca Rita; Sardella, EloisasubjectMorphology of

filmssubjectNanolithographysubjectPhotocathodessubjectSubstrate texture

*NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 610* (2009): 234–237.

<https://dx.doi.org/10.1016/j.nima.2009.05.169>

**247)-Copper-Triggered Aggregation of Ubiquitin**

Arnesano, Fabio; Scintilla, Simone; Calo, Vincenza; Bonfrate, Elena; Ingrosso, Chiara; Losacco, Maurizio; Pellegrino, Teresa; Rizzarelli, Enrico; Natile, Giovannisubject.

*PloS one* 4 (2009).

<https://dx.doi.org/10.1371/journal.pone.0007052>

**248)-New approaches for enhancing light emission from Er-based materials and devices**

Irrera, Alessia; Galli, M.; Miritello, Maria; Lo Savio, Roberto; Iacona, Fabio; Franzò, Giorgia; Canino, A.; Piro, A. M.; Belotti, M.; Gerace, D.; Politi, A.; Liscidini, M.; Patrini, M.; Sanfilippo, D.; Fallica, P. G.; Andreani, L. C.; Priolo, Francescosubject.

*Physica. E, Low-dimensional systems and nanostructures (Print)* 41 (2009): 891–898.

<http://www.cnr.it/prodotto/i/180247>

info:cnr-pdr/source/autori:Irrera, Alessia; Galli, M.; Miritello, Maria; Lo Savio, Roberto; Iacona, Fabio; Franzò, Giorgia; Canino, A.; Piro, A. M.; Belotti, M.; Gerace, D.; Politi, A.; Liscidini, M.; Patrini, M.; Sanfilippo, D.; Fallica, P. G.; Andreani, L. C.; Priolo, Francesco/titolo:New approaches for enhancing light emission from Er-based materials and devices/

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

**1)-SOME APPLICATIONS OF LINEAR RESPONSE THEORY TO MEDIA WITH MECHANICAL RELAXATION PHENOMENA**

Ciancio A; Ciancio V; Farsaci F

2009

<http://www.cnr.it/prodotto/i/88177>

info:cnr-pdr/source/autori:Ciancio A, Ciancio V, Farsaci F/congresso\_nome:/congresso\_luogo:/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**2)-VALORIZZAZIONE DELLE PROPRIETÀ NUTRACEUTICHE DI PIANTE COLTIVATE IN IDROPONICA**

Sgherri Cristina; Pinzino Calogero; Navari-Izzo Flavia; IZZO RiccardosubjectEchinacea angustifoliasubjectOcimum basilicumsubjectEPRsubjectDPPHsubjectsale di Fremy

*VII Convegno AISSA "Agricoltura, Qualità dell'Ambiente e Salute, Ancona, 2009*

<http://www.cnr.it/prodotto/i/88180>

info:cnr-pdr/source/autori:Sgherri Cristina, Pinzino Calogero, Navari-Izzo Flavia, IZZO Riccardo/congresso\_nome:VII Convegno AISSA "Agricoltura, Qualità dell'Ambiente e Salute/congresso\_luogo:Ancona/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**3)-New Blends from Biodegradable Polymers and their Luminescence Response to mechanical and thermal stresses**

Signori F; Pucci A; Coltelli MB; Bronco S; Ruggeri G

*16.XXth Italian-Spanish Congress on Thermodynamics of Metal Complexes, Pisa, 2009*

<http://www.cnr.it/prodotto/i/88183>

info:cnr-pdr/source/autori:Signori F, Pucci A, Coltelli MB, Bronco S, Ruggeri G/congresso\_nome:16.XXth Italian-Spanish Congress on Thermodynamics of Metal Complexes/congresso\_luogo:Pisa/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**4)-Materiali a base di poli(acido lattico) (PLA) per il packaging: formulazione, modulazione delle proprietà, applicazioni speciali**

Signori F; Pucci A; Coltelli MB; Bronco S; Ruggeri G; Ciardelli F

*15.Giornata Tecnologica AIM al PLAST 09: materie plastiche per il packaging, novità dal mondo della ricerca, Milano, 2009*

<http://www.cnr.it/prodotto/i/88184>

info:cnr-pdr/source/autori:Signori F, Pucci A, Coltelli MB, Bronco S, Ruggeri G, Ciardelli F/congresso\_nome:15.Giornata Tecnologica AIM al PLAST 09: materie plastiche per il packaging, novità dal mondo della ricerca/congresso\_luogo:Milano/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**5)-Le cellule staminali come potenziale strategia innovativa per stimolare la rigenerazione di tessuti lesi**

Revoltella Roberto P

*Pisa, 2009*

<http://www.cnr.it/prodotto/i/88192>

info:cnr-pdr/source/autori:Revoltella

Roberto

P/congresso\_nome:/congresso\_luogo:Pisa/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**6)-Cellule staminali e rigenerazione dei tessuti in modelli murini**

Revoltella Roberto P

*Roma, 2009*

<http://www.cnr.it/prodotto/i/88193>

info:cnr-pdr/source/autori:Revoltella

Roberto

P/congresso\_nome:/congresso\_luogo:Roma/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**7)-Human stem cell transplantation in nod-scid mice for recovery of injured olfactory and inner ear neuroepithelium**

Revoltella Roberto P

*Pisa, 2009*

<http://www.cnr.it/prodotto/i/88194>

info:cnr-pdr/source/autori:Revoltella

Roberto

P/congresso\_nome:/congresso\_luogo:Pisa/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**8)-Colture organo-tipiche per lo studio di fattori genetici e del microambiente nello sviluppo e progressione del cancro della prostata**

Revoltella Roberto P

*Assago, 2009*

<http://www.cnr.it/prodotto/i/88195>



info:cnr-pdr/source/autori:Revoltella

Roberto

P/congresso\_nome:/congresso\_luogo:Assago/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a\_a:/intervallo\_pagine:

### **9)-Degenerazione e rigenerazione del neuro-epitelio olfattivo**

Revoltella Roberto P

*Pisa, 2009*

<http://www.cnr.it/prodotto/i/88196>

info:cnr-pdr/source/autori:Revoltella

Roberto

P/congresso\_nome:/congresso\_luogo:Pisa/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a\_a:/intervallo\_pagine:

### **10)-Human cord blood CD133+ stem cells transplanted to nod-scid mice provide conditions for regeneration of olfactory neuroepithelium after permanent damage induced by dichlobenil**

Roberto P Revoltella; A. Rosellini; S. Pifferi; A. Menini; V. Franceschini; S. Bettini; R. Jeffery; R. Poulson

*Leipzig, 2009*

<http://www.cnr.it/prodotto/i/88197>

info:cnr-pdr/source/autori:Roberto P Revoltella, A. Rosellini, S. Pifferi, A. Menini, V. Franceschini, S. Bettini, R. Jeffery, and R. Poulson/congresso\_nome:/congresso\_luogo:Leipzig/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a\_a:/intervallo\_pagine:

### **11)-Human stem cells cells transplanted to nod-scid mice provide conditions for neurofactory tissue regeneration after permanent damage induced by dichlobenil**

Revoltella Roberto P

*Foshan, 2009*

<http://www.cnr.it/prodotto/i/88198>

info:cnr-pdr/source/autori:Revoltella

Roberto

P/congresso\_nome:/congresso\_luogo:Foshan/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a\_a:/intervallo\_pagine:

### **12)-Cochlear repair by transplantation of human cord blood CD133+ cells to nod-scid mice made deaf by kanamycin and noise**

Revoltella Roberto P

*Foshan, 2009*

<http://www.cnr.it/prodotto/i/88199>

info:cnr-pdr/source/autori:Revoltella

Roberto

P/congresso\_nome:/congresso\_luogo:Foshan/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a\_a/intervallo\_pagine:

**13)-Diffractive spectrograph for real time circular dichroism measurements**

PROVENZANO C; PAGLIUSI P; MAZZULLA A.; CIPPARRONEsubjectcircular dichroismsubjectholographic gratings

*CLEO Europe - EQEC 2009, pp. 5196250, Monaco (Ger), 14-19 giugno 2009*

<https://dx.doi.org/10.1109/CLEOE-EQEC.2009.5196250>

info:cnr-pdr/source/autori:PROVENZANO C, PAGLIUSI P, MAZZULLA A., CIPPARRONE/congresso\_nome:CLEO Europe - EQEC 2009/congresso\_luogo:Monaco (Ger)/congresso\_data:14-19 giugno 2009/anno:2009/pagina\_da:5196250/pagina\_a:/intervallo\_pagine:5196250

**14)-“Surface Functionalization of Micro Mechanical Cantilever Sensors by Organic Capped TiO<sub>2</sub> and Fe<sub>2</sub>O<sub>3</sub> Nanocrystals”**

Ingrosso C; Striccoli M; Agostiano A; Sardella E; Keller S; Blagoi G; Boisen A; Curri M. L. *Euroensors XXIII, Lausanne (Switzerland), 2009*

<http://www.cnr.it/prodotto/i/88215>

info:cnr-pdr/source/autori:Ingrosso C, Striccoli M, Agostiano A, Sardella E, Keller S, Blagoi G, Boisen A, Curri M. L./congresso\_nome:Euroensors XXIII/congresso\_luogo:Lausanne (Switzerland)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**15)-Magnetic Nanocrystals Modified Epoxy Photoresist for Microfabrication of AFM probes**

Ingrosso C; Martin C; Llobera A; Perez Murano F; Innocenti C; Sangregorio C; . Voigt A; Gruetzner G; Brugger J; Striccoli M; Agostiano A; Curri ML *Euroensors XXIII, Lausanne (Switzerland), 2009*

<http://www.cnr.it/prodotto/i/88216>

info:cnr-pdr/source/autori:Ingrosso C, Martin C, Llobera A, Perez Murano F, Innocenti C, Sangregorio C,. Voigt A, Gruetzner G, Brugger J, Striccoli M, Agostiano A, Curri ML/congresso\_nome:Euroensors XXIII/congresso\_luogo:Lausanne (Switzerland)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**16)-Triazine herbicides determination in water with an optical biosensor**

Autullo M. a; Mennuni M. a; Giustini M. a; Giomini M. a; Lopez F. b; Mallardi A. c; Palazzo G. d

*3rd IEEE International Workshop on Advances in Sensors and Interfaces - IWASI, pp. 213–217, 2009*

<urn:isbn:978-1-4244-4709-1>

info:cnr-pdr/source/autori:Autullo M. a; Mennuni M. a; Giustini M. a; Giomini M. a; Lopez F. b; Mallardi A. c; Palazzo G. d/congresso\_nome:3rd IEEE International Workshop on Advances in Sensors and Interfaces - IWASI/congresso\_luogo:/congresso\_data:2009/anno:2009/pagina\_da:213/pagina\_a:217/intervallo\_pagine:213-217

**17)-Zirconium tin titanate (ZST) for miniaturized high impedance surfaces: Microwave dielectric properties and applications**

Genovesi S.; Costa F.; Cioni B.; Miceli V.; Gallone G.; Levita G.; Lazzeri A.; Annino G.; Monorchio A.; Manara G.

*Antennas and Propagation Society International Symposium, 2009. APSURSI '09. IEEE, Charleston, South Carolina, 2009*

<http://www.cnr.it/prodotto/i/88227>

info:cnr-pdr/source/autori:Genovesi S., Costa F., Cioni B., Miceli V., Gallone G., Levita G., Lazzeri A., Annino G., Monorchio A., Manara G./congresso\_nome:Antennas and Propagation Society International Symposium, 2009. APSURSI '09. IEEE/congresso\_luogo:Charleston, South Carolina/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**18)-Novel Supramolecular assemblies of amphiphilic cationic  $\beta$ -cyclodextrin and anionic porphyrin as potential tools in photodynamic therapy**

Mazzaglia A.; Clementi A.; Monsù Scolaro L.; Micali N.; Villari V.; Donato M. G. Diaz-Moscoso A.; Ortiz Mellet C.; García Fernandez J.M.

*Congresso Nazionale chimica e tecnologia delle ciclodestrine, Asti, 2009*

<http://www.cnr.it/prodotto/i/116959>

info:cnr-pdr/source/autori:Mazzaglia A., Clementi A., Monsù Scolaro L., Micali N., Villari V., Donato M. G. Diaz-Moscoso A., Ortiz Mellet C., García Fernandez J.M./congresso\_nome:Congresso Nazionale chimica e tecnologia delle ciclodestrine/congresso\_luogo:Asti/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**19)-Amphiphilic cyclodextrins as multifunctional carrier systems of photosensitizers and gold nanoparticles for biomedical applications**

Mazzaglia A.; Clementi A.; Monsù Scolaro L.; Sortino S.; Sciortino M. T.; Micali N.; Villari V.; Mezzi A.; Ingo G. M.; Padeletti G.

*Nanotech2009.it, Roma, 2009*

<http://www.cnr.it/prodotto/i/116960>

info:cnr-pdr/source/autori:Mazzaglia A., Clementi A., Monsù Scolaro L., Sortino S., Sciortino M. T., Micali N., Villari V., Mezzi A., Ingo G. M., Padeletti G./congresso\_nome:Nanotech2009.it/congresso\_luogo:Roma/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**20)-Do alkyl-rhodium reactant complex stabilities on each diastereoface account for hydroformylation stereoselectivity?**

Alagona G.; Ghio C.

*13th Intl. Congress of Quantum Chemistry, June 22-27, Helsinki (Finland), 2009*

<http://www.cnr.it/prodotto/i/116989>

info:cnr-pdr/source/autori:Alagona G., Ghio C./congresso\_nome:13th Intl. Congress of Quantum Chemistry, June 22-27/congresso\_luogo:Helsinki (Finland)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**21)-Supramolecular aggregates of fluorescent amphiphilic cyclodextrins and photosensitizers. Spectroscopic characterization and cellular uptake**

Mazzaglia A.; Monsù Scolaro L.; Villari V.; Micali N.; Angelini N.; Bonaccorso F.; Gucciardi P. G.; Giuffrè M.; Sciortino M. T.subjectcyclodextrinssubjectsnom

*2° Congresso Nazionale di Chimica e Tecnologie delle Ciclodestrine, Asti, 2009*

<http://www.cnr.it/prodotto/i/117027>

info:cnr-pdr/source/autori:Mazzaglia A., Monsù Scolaro L., Villari V., Micali N., Angelini N., Bonaccorso F., Gucciardi P. G., Giuffrè M., Sciortino M. T./congresso\_nome:2° Congresso Nazionale di Chimica e Tecnologie delle Ciclodestrine/congresso\_luogo:Asti/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**22)-orting Single Wall Nanotubes by Density Gradient Ultracentrifugation: interplay of surfactants encapsulation and solvation**

Bonaccorso F.; Hasan T.; Tan P.H.; Rozhin A.G.; Sciascia C.; Torrisi F.; Gucciardi P.G.; Ferrari A. C.

*European Material Research Society 2009 Spring Meeting,, Strasbourg, 2009*

<http://www.cnr.it/prodotto/i/117028>

info:cnr-pdr/source/autori:Bonaccorso F., Hasan T. , Tan P.H. , Rozhin A.G., Sciascia C., Torrisi F., Gucciardi P.G., and Ferrari A. C./congresso\_nome:European Material Research Society 2009 Spring Meeting,/congresso\_luogo:Strasbourg/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**23)-Influence of surfactants on Nanotube Sorting by Density Gradient Ultracentrifugation**

Bonaccorso F.; Hasan T.; Tan P.H.; Privitera G.; Gucciardi P.G.; Ferrari A. C.

*NT09: 10th International conference on the science and application of nanotubes, Beijing, 2009*

<http://www.cnr.it/prodotto/i/117034>

info:cnr-pdr/source/autori:Bonaccorso F., Hasan T., Tan P.H., Privitera G., Gucciardi P.G., and Ferrari A. C./congresso\_nome:NT09: 10th International conference on the science and application of nanotubes/congresso\_luogo:Beijing/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**24)-Effects of inorganic co-anions on selective solubilisation and isolation of nanotubes in aqueous solutions**

Rozhin A. G.; Bonaccorso F.; Fedorov M. V.; Hasan T.; Tan P. H.; Gucciardi P. G.; Ferrari A. C.

*NT09: 10th International conference on the science and application of nanotubes, Beijing, 2009*

<http://www.cnr.it/prodotto/i/117035>

info:cnr-pdr/source/autori:Rozhin A. G., Bonaccorso F., Fedorov M. V., Hasan T., Tan P. H., Gucciardi P. G., Ferrari A. C./congresso\_nome:NT09: 10th International conference on the science and application of nanotubes/congresso\_luogo:Beijing/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**25)-Analysis of high efficiency electromagnetically induced transparency in potassium vapor**  
GOZZINI S.(1); SLAVOV D.(2); CARTALEVA S.(2); MARMUGI L.(1); LUCCHESINI A.(1)subjectCoherent spectroscopy of atoms and molecules  
subjectelectromagnetically induced transparency  
subjectpotassium  
subjectlaser diode

*The II International School and Conference on Photonics, 24-28 August 2009, Belgrade, Serbia, 2009*

<http://www.cnr.it/prodotto/i/117040>

info:cnr-pdr/source/autori:GOZZINI S.(1), SLAVOV D.(2), CARTALEVA S.(2), MARMUGI L.(1), LUCCHESINI A.(1)/congresso\_nome:The II International School and Conference on Photonics, 24-28 August 2009/congresso\_luogo:Belgrade, Serbia/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**26)-Coherent population trapping on the second resonance line of potassium**

GOZZINI S.(1); CARTALEVA S.(2); KARAUANOV T.(2); LUCCHESINI A.(1); SLAVOV D.(2)subjectCoherent spectroscopy of atoms and molecules  
subjectCoherent population trapping  
subjectpotassium  
subjectlaser diode

*The II International School and Conference on Photonics, 24-28 August 2009, Belgrade, Serbia, 2009*

<http://www.cnr.it/prodotto/i/117041>

info:cnr-pdr/source/autori:GOZZINI S.(1), CARTALEVA S.(2), KARAUANOV T.(2), LUCCHESINI A.(1), SLAVOV D.(2)/congresso\_nome:The II International School and

Conference on Photonics, 24-28 August 2009/congresso\_luogo:Belgrade, Serbia/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**27)-Proprietà antiossidanti di estratti acquosi di basilico**

SGHERRI CRISTINA; NAVARI FLAVIA; Pinzino Calogero; IZZO RICCARDO

*XXVII Convegno Nazionale S.I.C.A, Matera, 2009*

<http://www.cnr.it/prodotto/i/117042>

info:cnr-pdr/source/autori:SGHERRI CRISTINA, NAVARI FLAVIA, Pinzino Calogero, IZZO RICCARDO/congresso\_nome:XXVII Convegno Nazionale S.I.C.A/congresso\_luogo:Matera/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**28)-Calibration of reaction parameters in catalysed CVD growth of MWCNTs**

S. Santangelo; G. Messina; G. Faggio; M. Lanza; C. Milone; A. Pistone; S. Galvagno

*XXI Congresso GNRS "Materiali Innovativi: il contributo della spettroscopia, Milano, 2009*

<http://www.cnr.it/prodotto/i/117055>

info:cnr-pdr/source/autori:S. Santangelo, G. Messina, G. Faggio, M. Lanza, C. Milone, A. Pistone, S. Galvagno/congresso\_nome:XXI Congresso GNRS "Materiali Innovativi: il contributo della spettroscopia/congresso\_luogo:Milano/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**29)-On the synthesis of CNTs-montmorillonite composites by Chemical Vapor Deposition**

Candida Milone; Dhanagopal Manikandan; Signorino Galvagno; Maurizio Lanza; Giacomo Messina; Saveria Santangelo

*XXIII Convegno Nazionale della Società Chimica Italiana, Sorrento (Italy), 2009*

<http://www.cnr.it/prodotto/i/117056>

info:cnr-pdr/source/autori:Candida Milone, Dhanagopal Manikandan, Signorino Galvagno, Maurizio Lanza, Giacomo Messina, Saveria Santangelo/congresso\_nome:XXIII Convegno Nazionale della Società Chimica Italiana/congresso\_luogo:Sorrento (Italy)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**30)-K10-CNT nanocomposites for polymer reinforcing application**

D. Manikandan; A. Pistone; E. Piperopoulos; S. Santangelo; M. Lanza; G. Messina; S. Galvagno; C. Milone

*3rd Czech-Italian-Spanish Trilateral Meeting on Catalysis and Micro/Meso –Porous Materials CIS-3 join with IX National Conference on Science and Technology of Zeolites AIZ-2009, Catania (Italy), 2009*

<http://www.cnr.it/prodotto/i/117057>

info:cnr-pdr/source/autori:D. Manikandan, A. Pistone, E. Piperopoulos, S. Santangelo, M. Lanza, G. Messina, S.Galvagno, C. Milone/congresso\_nome:3rd Czech-Italian-Spanish Trilateral Meeting on Catalysis and Micro/Meso –Porous Materials CIS-3 join with IX National Conference on Science and Technology of Zeolites AIZ-2009/congresso\_luogo:Catania (Italy)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**31)-Growth of Carbon Nanotubes through Catalytic CVD over Fe loaded Montmorillonite catalysts**

D. Manikandan; A. Pistone; M. Lanza; S. Santangelo; G. Messina; S. Galvagno; C. Milone  
*Europacat IX, Catalysis for a Sustainable World, Salamanca (Spain), 2009*

<http://www.cnr.it/prodotto/i/117058>

info:cnr-pdr/source/autori:D. Manikandan, A. Pistone, M. Lanza, S. Santangelo, G. Messina,S. Galvagno, C. Milone/congresso\_nome:Europacat IX, Catalysis for a Sustainable World/congresso\_luogo:Salamanca (Spain)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**32)-Preparation of nanotubes-clay hybrid systems by iron-catalysed isobutane decomposition**

C.Milone; S.Santangelo; G.Faggio; M.Lanza; D.Manikandan; G.Messina; A.Pistone  
*20th European Conference on Diamond, Diamond-Like Materials, Carbon Nanotubes, and Nitrides- DIAMOND 2009, Athens (Greece), 2009*

<http://www.cnr.it/prodotto/i/117059>

info:cnr-pdr/source/autori:C.Milone, S.Santangelo, G.Faggio, M.Lanza, D.Manikandan, G.Messina, A.Pistone/congresso\_nome:20th European Conference on Diamond, Diamond-Like Materials, Carbon Nanotubes, and Nitrides- DIAMOND 2009/congresso\_luogo:Athens (Greece)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**33)-VIBRATIONALLY RESOLVED LINEAR AND NONLINEAR ELECTRONIC CIRCULAR DICHROISM SPECTRA**

Santoro, F.; Lin, N.; Barone, V.; Rizzo, A.

*CD 2009, 12th International Conference on Circular Dichroism, Brescia, 2009*

<http://www.cnr.it/prodotto/i/117086>

info:cnr-pdr/source/autori:Santoro, F.; Lin, N.; Barone, V.; Rizzo, A./congresso\_nome:CD 2009, 12th International Conference on Circular Dichroism/congresso\_luogo:Brescia/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**34)-LA CHIMICA-FISICA IN ITALIA**

Rizzo; A.

*XXIII Congresso Nazionale della Società Chimica Italiana, Sorrento, 2009*

<http://www.cnr.it/prodotto/i/117101>

info:cnr-pdr/source/autori:Rizzo, A./congresso\_nome:XXIII Congresso Nazionale della Società Chimica Italiana/congresso\_luogo:Sorrento/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**35)-Antioxidant properties of natural compounds through their copper(II) chelating ability in vacuo and in aqueous solution (PCM)**

Alagona G.; Ghio C.

*35° Congreso Químicos Teóricos d'Expression Latina, Quitel 2009, Sept. 18-22, San Andrés (Colombia), 2009*

<http://www.cnr.it/prodotto/i/117107>

info:cnr-pdr/source/autori:Alagona G., Ghio C./congresso\_nome:35° Congreso Químicos Teóricos d'Expression Latina, Quitel 2009, Sept. 18-22/congresso\_luogo:San Andrés (Colombia)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**36)-Qual è il rate limiting step nella reazione di Wittig? Studio DFT in vacuo e in soluzione di THF con il PCM**

Alagona G.; Ghio C.

*35° Congreso de Químicos Teóricos d'Expression Latina, Quitel 2009, Sept. 18-22, San Andrés (Colombia), 2009*

<http://www.cnr.it/prodotto/i/117108>

info:cnr-pdr/source/autori:Alagona G., Ghio C./congresso\_nome:35° Congreso de Químicos Teóricos d'Expression Latina, Quitel 2009, Sept. 18-22/congresso\_luogo:San Andrés (Colombia)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**37)-Nonadiabatic decay of photoexcited DNA. A quantum dynamical study of single nucleobases and oligomers**

F.Santoro

*Multiscale Modeling in Simulation and Science, Stoccolma, 2009*

<http://www.cnr.it/prodotto/i/117115>

info:cnr-pdr/source/autori:F.Santoro/congresso\_nome:Multiscale Modeling in Simulation and Science/congresso\_luogo:Stoccolma/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**38)-A hierarchy of models to describe vibrational effects in optical spectra of large molecules**

F.Santoro

*Multiscale Modeling in Simulation and Science, Stoccolma, 2009*

<http://www.cnr.it/prodotto/i/117116>



info:cnr-pdr/source/autori:F.Santoro/congresso\_nome:Multiscale Modeling in Simulation and Science/congresso\_luogo:Stoccolma/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**39)-Time-dependent and time-independent approaches to the computation of vibrationally resolved electronic spectra**

F.Santoro

*5th International Meeting "Mathematical Methods for Ab initio Quantum Chemistry", Nizza, 2009*

<http://www.cnr.it/prodotto/i/117117>

info:cnr-pdr/source/autori:F.Santoro/congresso\_nome:5th International Meeting "Mathematical Methods for Ab initio Quantum Chemistry"/congresso\_luogo:Nizza/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**40)-Quantum dynamics of the photodeactivation mechanisms in DNA single nucleobases and oligomers**

F. Santoro; V. Barone; A. Lami; R. Improta

*24th International Conference on Photochemistry, Toledo (Spagna), 2009*

<http://www.cnr.it/prodotto/i/117118>

info:cnr-pdr/source/autori:F. Santoro, V. Barone, A. Lami, R. Improta/congresso\_nome:24th International Conference on Photochemistry/congresso\_luogo:Toledo (Spagna)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**41)-Characterization of hydrogels by means of high and low resolution NMR techniques**

L. Calucci; C. Forte

*XXXIX National Congress on Magnetic Resonance, Palermo, 2009*

<http://www.cnr.it/prodotto/i/117133>

info:cnr-pdr/source/autori:L. Calucci, C. Forte/congresso\_nome:XXXIX National Congress on Magnetic Resonance/congresso\_luogo:Palermo/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**42)-Orientational order of fluorinated mesogens containing the 1,3,2-dioxaborinane ring by <sup>13</sup>C and <sup>19</sup>F NMR spectroscopy**

S. Borsacchi; L. Calucci; M. Geppi; A. Marini; S. Urban

*XXXIX National Congress on Magnetic Resonance, Palermo, 2009*

<http://www.cnr.it/prodotto/i/117135>

info:cnr-pdr/source/autori:S. Borsacchi, L. Calucci, M. Geppi, A. Marini, S. Urban/congresso\_nome:XXXIX National Congress on Magnetic Resonance/congresso\_luogo:Palermo/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **43)-Diffractive spectrograph for real time circular dichroism measurements**

Cipparrone G; Mazzulla A; Pagliusi P; Provenzano C

*12th International Conference on Circular Dichroism - CD 2009, Brescia (I), 31/08 2009*

<http://www.cnr.it/prodotto/i/117148>

info:cnr-pdr/source/autori:Cipparrone G, Mazzulla A, Pagliusi P, Provenzano C/congresso\_nome:12th International Conference on Circular Dichroism - CD 2009/congresso\_luogo:Brescia (I)/congresso\_data:31/08 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **44)-Liquid crystal diffractive element for a real time circular dichroism spectrometer**

Mazzulla A; Cipparrone G; Pagliusi P; Provenzano C

*FLC-09 12th International Conference on Ferroelectric Liquid Crystals – New Challenges in Chiral and Polar Systems, Saragozza (Spagna), Settembre 2009*

<http://www.cnr.it/prodotto/i/117149>

info:cnr-pdr/source/autori:Mazzulla A, Cipparrone G, Pagliusi P, Provenzano C/congresso\_nome:FLC-09 12th International Conference on Ferroelectric Liquid Crystals – New Challenges in Chiral and Polar Systems/congresso\_luogo:Saragozza (Spagna)/congresso\_data:Settembre 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **45)-Frequency tunable single mode lasing in three layer systems consisting of CLC and dye solution**

Matranga MA; Mazzulla A; De Santo MP; Barberi R

*OLC 2009 13th Topical Meeting on the Optics of Liquid Crystals, Erice (TP) Italia, 28/9 - 2/10 2009*

<http://www.cnr.it/prodotto/i/117150>

info:cnr-pdr/source/autori:Matranga MA, Mazzulla A, De Santo MP, Barberi R/congresso\_nome:OLC 2009 13th Topical Meeting on the Optics of Liquid Crystals/congresso\_luogo:Erice (TP) Italia/congresso\_data:28/9 - 2/10 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **46)-Optical Trapping and Manipulation Involving Liquid Crystals and Vectorial Holography**

Cipparrone G; Pagliusi P; Provenzano C

*CLEO/Europe–EQEC 2009, Munich (Ger), 2009*

<http://www.cnr.it/prodotto/i/117156>

info:cnr-pdr/source/autori:Cipparrone G, Pagliusi P, Provenzano C/congresso\_nome:CLEO/Europe-EQEC 2009/congresso\_luogo:Munich (Ger)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**47)-Textures périodiques de smectique A déposé sur des substrats cristallins**

Zappone B

*Colloque Francophone des Cristaux Liquides (CFCL2009), Orsay (FR), 2009*

<http://www.cnr.it/prodotto/i/117158>

info:cnr-pdr/source/autori:Zappone B/congresso\_nome:Colloque Francophone des Cristaux Liquides (CFCL2009)/congresso\_luogo:Orsay (FR)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**48)-Nanoscale measurements of adhesion and mechanical properties of human bone protein osteopontin**

Zappone B

*2nd National Nanomedicine Conference (NNC2009), Pavia, 2009*

<http://www.cnr.it/prodotto/i/117159>

info:cnr-pdr/source/autori:Zappone B/congresso\_nome:2nd National Nanomedicine Conference (NNC2009)/congresso\_luogo:Pavia/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**49)-Evaluation of photodynamic activity of photosynthetic pigment/cyclodextrin inclusion complexes by means of primary acceptor**

Cellamare B. M.; Cosma P.; Fini P.; Ventrella A.; Agostiano A.

*XX Congresso Nazionale della Società Italiana di Fotobiologia (SIFB 2009), Locorotondo (BA), 2009*

<http://www.cnr.it/prodotto/i/117178>

info:cnr-pdr/source/autori:Cellamare B. M., Cosma P., Fini P., Ventrella A., Agostiano A./congresso\_nome:XX Congresso Nazionale della Società Italiana di Fotobiologia (SIFB 2009)/congresso\_luogo:Locorotondo (BA)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**50)-ROS production by photosynthetic pigment/cyclodextrin inclusion complexes**

Cellamare B. M.; Cosma P.; Fini P.; Agostiano A.

*IX Congresso Nazionale di Chimica Supramolecolare', Parma, 2009*

<http://www.cnr.it/prodotto/i/117179>

info:cnr-pdr/source/autori:Cellamare B. M., Cosma P., Fini P., Agostiano A./congresso\_nome:IX Congresso Nazionale di Chimica

Supramolecolare'/congresso\_luogo:Parma/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**51)-HIGH FREQUENCY ACOUSTIC ATTENUATION OF VITREOUS SILICA: NEW INSIGHT FROM INELASTIC X-RAYS SCATTERING**

Baldi, Giacomo; Giordano, Valentina Maria; Ruta, Beatrice; Monaco, Giulio

*IDMRCS - 6th International Discussion Meeting on Relaxations in Complex Systems, Roma, 2009*

<http://www.cnr.it/prodotto/i/117186>

info:cnr-pdr/source/autori:Baldi, Giacomo; Giordano, Valentina Maria; Ruta, Beatrice; Monaco, Giulio/congresso\_nome:IDMRCS - 6th International Discussion Meeting on Relaxations in Complex Systems/congresso\_luogo:Roma/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**52)-Connection between Boson Peak and Elastic Properties in Glasses**

Baldi, Giacomo

*XIV Convegno Nazionale di Fisica Statistica e dei Sistemi Complessi, Parma, 2009*

<http://www.cnr.it/prodotto/i/117187>

info:cnr-pdr/source/autori:Baldi, Giacomo/congresso\_nome:XIV Convegno Nazionale di Fisica Statistica e dei Sistemi Complessi/congresso\_luogo:Parma/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**53)-Micromotori a propulsione batterica**

Angelani, L; Di Leonardo, R.

*Festival della Scienza, Genova, Genova, 2009*

<http://www.cnr.it/prodotto/i/117188>

info:cnr-pdr/source/autori:Angelani, L; Di Leonardo, R./congresso\_nome:Festival della Scienza, Genova/congresso\_luogo:Genova/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**54)-Saddles of the energy landscape and folding of model proteins**

Angelani, L.

*BioStruct09, International workshop, Unraveling the structure of biomolecules: from nonequilibrium statistical mechanics to mechanical manipulation, 2009*

<http://www.cnr.it/prodotto/i/117189>

info:cnr-pdr/source/autori:Angelani, L./congresso\_nome:BioStruct09, International workshop, Unraveling the structure of biomolecules: from nonequilibrium statistical mechanics to mechanical manipulation/congresso\_luogo:/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**55)-“Towards emergence of new function by engineering materials: colloidal nanocrystal based structures for opto-electronic, sensing and biomedical applications”**

Curri ML

*4th IEEE International Conference on Nano/Micro Engineered and Molecular Systems, Shenzhen, China, 2009*

<http://www.cnr.it/prodotto/i/117192>

info:cnr-pdr/source/autori:Curri ML/congresso\_nome:4th IEEE International Conference on Nano/Micro Engineered and Molecular Systems/congresso\_luogo:Shenzhen, China/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**56)-“Towards Emergence of New Function by Engineering Materials: Colloidal Nanocrystals as Building Blocks for Nanocomposites and Assemblies”**

Curri ML

*AVS 56th International Symposium, San Jose California, 2009*

<http://www.cnr.it/prodotto/i/117194>

info:cnr-pdr/source/autori:Curri ML/congresso\_nome:AVS 56th International Symposium/congresso\_luogo:San Jose California/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**57)-Studio della risposta metabolica di cellule di rhodobacter sphaeroides esposte a stress abiotico da ioni cromo**

Italiano, Francesca; Milano F., Giotta L., Ceci L., De Leo F, Gallerani R., Zolla L., Timperio A., Agostiano A., Trotta M/subjectheavy metal/subjectrhodobacter sphaeroides

*Congresso Annuale Società Italiana di FotoBiologia, Locorotondo (Ba), Italy, 04-05/06/2009*

<http://www.cnr.it/prodotto/i/117195>

info:cnr-pdr/source/autori:Italiano, Francesca; Milano F., Giotta L., Ceci L., De Leo F, Gallerani R., Zolla L., Timperio A., Agostiano A., Trotta M/congresso\_nome:Congresso Annuale Società Italiana di FotoBiologia/congresso\_luogo:Locorotondo (Ba), Italy/congresso\_data:04-05/06/2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**58)-Effect of Free Surface and Substrate Interaction on the Crystallization of PET Ultrathin Films**

Capaccioli, S.; Rotella, C.; Labardi, M.; Pingue, P.; Prevosto, D.; Rolla, P. subjectCrystallizations subject thin film s subject confinements subject PET subject poly(ethylene terephthalate) subject AFM subject viscoelastic properties subject infrared spectroscopy  
*26th European Conference on Surface Science (ECOSS26), Parma (Italy), 30/8 - 4/09 /2015*  
<http://www.cnr.it/prodotto/i/117197>

info:cnr-pdr/source/autori:Capaccioli, S.; Rotella, C.; Labardi, M.; Pingue, P.; Prevosto, D.; Rolla, P./congresso\_nome:26th European Conference on Surface Science (ECOSS26)/congresso\_luogo:Parma (Italy)/congresso\_data:30/8 - 4/09 /2015/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **59)-Local Dielectric Spectroscopy of Nanocomposite Materials Interfaces**

Labardi, M.; Prevosto, D.; Capaccioli, S.; Lucchesi, M.; Rolla, P.

*12th International Conference on Non-Contact Atomic Force Microscopy (NCAFM2009), New Haven (USA), 2009*

<http://www.cnr.it/prodotto/i/117198>

info:cnr-pdr/source/autori:Labardi, M.; Prevosto, D.; Capaccioli, S.; Lucchesi, M.; Rolla, P./congresso\_nome:12th International Conference on Non-Contact Atomic Force Microscopy (NCAFM2009)/congresso\_luogo:New Haven (USA)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **60)-Heavy metal binding properties of photosynthetic biofilms studied by ATR-FTIR difference spectroscopy**

Mastrogiacomo D; Giotta L; Valli L; Italiano F; Milano F; Trotta M subject Infrared spectroscopy subject rhodobacter sphaeroides

*Congresso Annuale Società Italiana di FotoBiologia, Locorotondo (Ba), Italy, 04-05/06/2009*

<http://www.cnr.it/prodotto/i/117199>

info:cnr-pdr/source/autori:Mastrogiacomo D, Giotta L, Valli L, Italiano F, Milano F, Trotta M./congresso\_nome:Congresso Annuale Società Italiana di FotoBiologia/congresso\_luogo:Locorotondo (Ba), Italy/congresso\_data:04-05/06/2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **61)-Studio teorico-sperimentale delle cinetiche di ricombinazione di carica in liposomi a composizione variabile**

Altamura E, Mavelli F; Milano F, Trotta M subject liposomess subject quinones subject reaction center

*Congresso Annuale Società Italiana di FotoBiologia, Locorotondo (Ba), Italy, 04-05/06/2009*

<http://www.cnr.it/prodotto/i/117200>

info:cnr-pdr/source/autori:Altamura E, Mavelli F; Milano F, Trotta M./congresso\_nome:Congresso Annuale Società Italiana di

FotoBiologia/congresso\_luogo:Locorotondo (Ba), Italy/congresso\_data:04-05/06/2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**62)-Extracting Polarizability of Plasmonic Nano-Oscillators through Combined Near- and Far-Field Imaging**

Celebrano, M.; Savoini, M.; Biagioni, P.; Zavelani-Rossi, M.; Labardi, M.; Allegrini, M.; Adam, P.; Finazzi, M.; Duò, L.; Cerullo, G.

*4th International Conference on Surface Plasmon Polaritons (SPP4), Amsterdam, 2009*

<http://www.cnr.it/prodotto/i/117201>

info:cnr-pdr/source/autori:Celebrano, M.; Savoini, M.; Biagioni, P.; Zavelani-Rossi, M.; Labardi, M.; Allegrini, M.; Adam, P.; Finazzi, M.; Duò, L.; Cerullo, G./congresso\_nome:4th International Conference on Surface Plasmon Polaritons (SPP4)/congresso\_luogo:Amsterdam/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**63)-Analisi per mutagenesi inserzionale della resistenza ai metalli pesanti del batterio fotosintetico R. sphaeroides**

Volpicella M; Leoni C; Italiano F; Di Paolo F; Trotta M; Gallerani R; Ceci LRsubjectheavy metalssubjectmutagenesissubjectrhodobacter sphaeroides

*Congresso Annuale Società Italiana di FotoBiologia, Locorotondo (Ba), Italy, 04-05/06/2009*

<http://www.cnr.it/prodotto/i/117202>

info:cnr-pdr/source/autori:Volpicella M, Leoni C, Italiano F, Di Paolo F, Trotta M, Gallerani R, Ceci LR/congresso\_nome:Congresso Annuale Società Italiana di FotoBiologia/congresso\_luogo:Locorotondo (Ba), Italy/congresso\_data:04-05/06/2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**64)-Interpretazione quantitativa delle oscillazioni in centri di reazione indotte da luce impulsata: un approccio simulativo**

Ciriaco F; Frascati D; Milano F; Trotta Msubjectquinonesubjectreaction center

*Congresso Annuale Società Italiana di FotoBiologia, Locorotondo (Ba), Italy, 04-05/06/2009*

<http://www.cnr.it/prodotto/i/117205>

info:cnr-pdr/source/autori:Ciriaco F, Frascati D, Milano F, Trotta M/congresso\_nome:Congresso Annuale Società Italiana di FotoBiologia/congresso\_luogo:Locorotondo (Ba), Italy/congresso\_data:04-05/06/2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**65)-Molecular machineries for ion translocation across biomembranes: a brand new COST: Action is beginning**

Trotta MsubjectCOST Action

*9th Workshop on Pharmaco-Bio-Metallics, Pontignano (Si), Italy, 06-08/11/2009*

<http://www.cnr.it/prodotto/i/117207>

info:cnr-pdr/source/autori:Trotta M/congresso\_nome:9th Workshop on Pharmaco-Bio-Metallics/congresso\_luogo:Pontignano (Si), Italy/congresso\_data:06-08/11/2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**66)-Influences of toxic compounds on optical properties of photosynthetic proteins**

Ventrella A.; Catucci L.; Agostiano A

*2nd International Workshop on Expression, Structure and Function of Membrane Proteins, Firenze, 2009*

<http://www.cnr.it/prodotto/i/117208>

info:cnr-pdr/source/autori:Ventrella A., Catucci L., Agostiano A/congresso\_nome:2nd International Workshop on Expression, Structure and Function of Membrane Proteins/congresso\_luogo:Firenze/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**67)-Spinach photosynthetic materials differing in the organization levels, as tools for herbicide detection**

Ventrella A.; Catucci L.; Rizzato R.; Agostiano A.

*International Symposium on Bioelectrochemistry and Bioenergetics, Sibiu (Romania), 2009*

<http://www.cnr.it/prodotto/i/117209>

info:cnr-pdr/source/autori:Ventrella A., Catucci L., Rizzato R., Agostiano A./congresso\_nome:International Symposium on Bioelectrochemistry and Bioenergetics/congresso\_luogo:Sibiu (Romania)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**68)-Hydrodynamic interactions at a fluid wall**

Di Leonardo, R.

*SPIE-Optical Trapping and Optical Micromanipulation VI, San Diego, USA, 2009*

<http://www.cnr.it/prodotto/i/117210>

info:cnr-pdr/source/autori:Di Leonardo, R./congresso\_nome:SPIE-Optical Trapping and Optical Micromanipulation VI/congresso\_luogo:San Diego, USA/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**69)-Photoinhibition of photosynthetic materials: effects of heavy metals**

Ventrella A.; Catucci L.; ; Agostiano A.

*International Symposium on Bioelectrochemistry and Bioenergetics, Sibiu (Romania), 2009*

<http://www.cnr.it/prodotto/i/117211>

info:cnr-pdr/source/autori:Ventrella A., Catucci L., , Agostiano A./congresso\_nome:International Symposium on Bioelectrochemistry and



Bioenergetics/congresso\_luogo:Sibiu  
(Romania)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**70)-Bacterial driven micro-devices**

Di Leonardo, R.; Angelani, L.

*Optical Micromanipulation by Nonlinear Nanophotonics, COST Meeting, Aberfoyle, UK, 2009*

<http://www.cnr.it/prodotto/i/117212>

info:cnr-pdr/source/autori:Di Leonardo, R.; Angelani, L./congresso\_nome:Optical Micromanipulation by Nonlinear Nanophotonics, COST Meeting/congresso\_luogo:Aberfoyle, UK/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**71)-Reactivity of cytochrome bc1 complex in cardiolipin enriched chromatophores from Rhodobacter Sphaeroides**

De Leo V.; Catucci L.; Milano F.; Corcelli A.; Agostiano A

*Congresso Annuale 2009 della Società Italiana di FotoBiologia, Locorotondo (BA), 2009*

<http://www.cnr.it/prodotto/i/117215>

info:cnr-pdr/source/autori:De Leo V., Catucci L., Milano F., Corcelli A., Agostiano A/congresso\_nome:Congresso Annuale 2009 della Società Italiana di FotoBiologia/congresso\_luogo:Locorotondo (BA)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**72)-Studies on the influences of heavy metals and herbicides on photosynthetic materials by using optical assays**

Ventrella A.; Catucci L.; Lobascio G.; Agostiano A.

*Congresso Annuale 2009 della Società Italiana di FotoBiologia, Locorotondo (BA), 2009*

<http://www.cnr.it/prodotto/i/117216>

info:cnr-pdr/source/autori:Ventrella A., Catucci L., Lobascio G., Agostiano A./congresso\_nome:Congresso Annuale 2009 della Società Italiana di FotoBiologia/congresso\_luogo:Locorotondo (BA)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**73)-Can MR T2, T2\* and ADC measurements in calcanei be useful to assess osteoporotic disease?**

S. Capuani; M. Rebuzzi; F. Fasano; G. H. Hagberg; M. Di Mario; V. Vinicola; B. Maraviglia

*European Congress of Radiology ECR, Vienna, 2009*

<http://www.cnr.it/prodotto/i/117218>

info:cnr-pdr/source/autori:S. Capuani, M. Rebuzzi, F. Fasano, G. H. Hagberg, M. Di Mario, V. Vinicola, B. Maraviglia/congresso\_nome:European Congress of Radiology

ECR/congresso\_luogo:Vienna/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**74)-MR multiparametric approach to evaluate osteoporosis at 3T: T2\*, T2, ADC, Gi and 1H-MRS measurements in healthy, osteopenic and osteoporotic subjects**

S. Capuani; M. Rebuzzi; F. Fasano; G. H. Hagberg; M. Di Mario; B. Maraviglia; V. Vinicola  
*ISMRM, 17th Scientific Meeting & Exhibition, Honolulu, Hawaii (USA), 2009*

<http://www.cnr.it/prodotto/i/117219>

info:cnr-pdr/source/autori:S. Capuani, M. Rebuzzi, F. Fasano, G. H. Hagberg, M. Di Mario, B. Maraviglia, V. Vinicola/congresso\_nome:ISMRM, 17th Scientific Meeting & Exhibition/congresso\_luogo:Honolulu, Hawaii (USA)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**75)-Internal gradient evaluation in spongy bone as a potential NMR parameter to detect osteoporosis disease**

S. De Santis; M. Rebuzzi; G. Di Pietro; B. Maraviglia; S. Capuani

*ISMRM, 17th Scientific Meeting & Exhibition, Honolulu, Hawaii (USA), 2009*

<http://www.cnr.it/prodotto/i/117220>

info:cnr-pdr/source/autori:S. De Santis, M. Rebuzzi, G. Di Pietro, B. Maraviglia, S. Capuani/congresso\_nome:ISMRM, 17th Scientific Meeting & Exhibition/congresso\_luogo:Honolulu, Hawaii (USA)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**76)-Encapsulation of CdSe@ZnS quantum dots in liposomes: a rapid and effective method.**

De Leo V.; Milano F.; Comparelli R.; Catucci L.; Agostiano A.

*Convegno Nazionale Materiali Molecolari Avanzati per Fotonica ed Elettronica, Arbatax (Tortoli), 2009*

<http://www.cnr.it/prodotto/i/117221>

info:cnr-pdr/source/autori:De Leo V., Milano F., Comparelli R., Catucci L., Agostiano A./congresso\_nome:Convegno Nazionale Materiali Molecolari Avanzati per Fotonica ed Elettronica/congresso\_luogo:Arbatax (Tortoli)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**77)-Non Gaussian diffusion of the human brain**

S. De Santis; S. Capuani

*ISMRM, 17th Scientific Meeting & Exhibition, Honolulu, Hawaii (USA), 2009*

<http://www.cnr.it/prodotto/i/117222>

info:cnr-pdr/source/autori:S. De Santis, S. Capuani/congresso\_nome:ISMIRM, 17th Scientific Meeting & Exhibition/congresso\_luogo:Honolulu, Hawaii (USA)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**78)-Influences of toxic compounds on optical properties of chloroplasts, thylakoids and photosynthetic proteins**

Ventrella A.; Catucci L.; Agostiano A.

*Congresso Nazionale della Società Chimica Italiana, Sorrento (Napoli), 2009*

<http://www.cnr.it/prodotto/i/117223>

info:cnr-pdr/source/autori:Ventrella A., Catucci L., Agostiano A./congresso\_nome:Congresso Nazionale della Società Chimica Italiana/congresso\_luogo:Sorrento (Napoli)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**79)-Non Gaussian diffusion to investigate bone marrow**

S. De Santis; S. Capuani

*ISMIRM, 17th Scientific Meeting & Exhibition, Honolulu, Hawaii (USA), 2009*

<http://www.cnr.it/prodotto/i/117224>

info:cnr-pdr/source/autori:S. De Santis, S. Capuani/congresso\_nome:ISMIRM, 17th Scientific Meeting & Exhibition/congresso\_luogo:Honolulu, Hawaii (USA)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**80)-Analisi non distruttiva mediante Micro-Imaging in Risonanza Magnetica Nucleare di denti umani da contesti archeologici**

Capuani S.; Bondioli L; Maraviglia B; Coppa A.

*XCV Convegno SIF (Società italiana di fisica), Bari, 2009*

<http://www.cnr.it/prodotto/i/117225>

info:cnr-pdr/source/autori:Capuani S., Bondioli L, Maraviglia B, Coppa A./congresso\_nome:XCV Convegno SIF (Società italiana di fisica)/congresso\_luogo:Bari/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**81)-Preliminar spectroscopic studies on inclusion complex bacteriochlorophyll/cyclodextrins photostability**

Cellamare B. M.; Gaita S.; Cosma P.; Fini P.; Agostiano A.

*IX Congresso Nazionale di Chimica Supramolecolare, Parma, 2009*

<http://www.cnr.it/prodotto/i/117232>

info:cnr-pdr/source/autori:Cellamare B. M., Gaita S., Cosma P., Fini P., Agostiano A./congresso\_nome:IX Congresso Nazionale di Chimica

Supramolecolare/congresso\_luogo:Parma/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a  
:/intervallo\_pagine:

### **82)-Photodynamic activity of photosynthetic pigment/cyclodextrin inclusion complexes**

Cellamare B. M.; Cosma P.; Fini P.; Ventrella A.; Agostiano A.

*“XX international Symposium on Bioelectrochemistry and Bioenergetics (BES)”*, Sibiu  
(Romania), 2009

<http://www.cnr.it/prodotto/i/117233>

info:cnr-pdr/source/autori:Cellamare B. M., Cosma P., Fini P., Ventrella A., Agostiano  
A./congresso\_nome:“XX international Symposium on Bioelectrochemistry and Bioenergetics  
(BES)”/congresso\_luogo:Sibiu  
(Romania)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **83)-Development of supramolecular systems based on modified bacteriochlorophylls and chlorophylls for PDT applications**

Cellamare B. M.; Cosma P.; Fini P.; Ventrella A.; Agostiano A.

*XX international Symposium on Bioelectrochemistry and Bioenergetics (BES)*, Sibiu  
(Romania), 2009

<http://www.cnr.it/prodotto/i/117234>

info:cnr-pdr/source/autori:Cellamare B. M., Cosma P., Fini P., Ventrella A., Agostiano  
A./congresso\_nome:XX international Symposium on Bioelectrochemistry and Bioenergetics  
(BES)/congresso\_luogo:Sibiu  
(Romania)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **84)-Triindole Columnar Phases with High Hole Mobility**

Golemme A.; Talarico M.; Termine R.; Gòmez-Lor B.; García-Frutos E.M.; Omenat A.;  
Serrano J.L.

*II International Symposium on Flexible Organic Electronics (IS-FOE09)*, Halkidiki, 2009

<http://www.cnr.it/prodotto/i/117249>

info:cnr-pdr/source/autori:Golemme A., Talarico M., Termine R., Gòmez-Lor B., García-  
Frutos E.M., Omenat A., Serrano J.L./congresso\_nome:II International Symposium on Flexible  
Organic Electronics (IS-  
FOE09)/congresso\_luogo:Halkidiki/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/inte  
rvallo\_pagine:

### **85)-Study of the cold crystallisation of poly(ethylene terephthalate) in ultrathin films by infrared spectroscopy and atomic force microscopy**

Bertoldo, Monica; Manariti, Antonella; Rotella, Cinzia; Prevosto, Daniele; Capaccioli, Simone;  
Ciardelli, Francesco

*XIX Convegno Italiano di Scienza e Tecnologia delle Macromolecole*, Milano, 2009

<http://www.cnr.it/prodotto/i/117259>

info:cnr-pdr/source/autori:Bertoldo, Monica; Manariti, Antonella; Rotella, Cinzia; Prevosto, Daniele; Capaccioli, Simone; Ciardelli, Francesco/congresso\_nome:XIX Convegno Italiano di Scienza e Tecnologia delle Macromolecole/congresso\_luogo:Milano/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a\_a:/intervallo\_pagine:

**86)-Evidences of macromolecules chains confinement of ethylene-propylene copolymer in organophilic montmorillonite nanocomposites**

Passaglia, Elisa; Bertoldo, Monica; Ciardelli, Francesco; Prevosto, Daniele; Lucchesi, Mauro  
*6th International Discussion Meeting on Relaxations in Complex Systems(6IDMRCS), Roma, 2009*

<http://www.cnr.it/prodotto/i/117263>

info:cnr-pdr/source/autori:Passaglia, Elisa; Bertoldo, Monica; Ciardelli, Francesco; Prevosto, Daniele; Lucchesi, Mauro/congresso\_nome:6th International Discussion Meeting on Relaxations in Complex Systems(6IDMRCS)/congresso\_luogo:Roma/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a\_a:/intervallo\_pagine:

**87)-Polysaccharide-based “Click” reagents and their use for the preparation of amphiphilic comb copolymers with (meth)acrylic chains**

Bertoldo, Monica; Zampano, Giovanni; La Terra, Federico; Ciardelli, Francesco  
*EPF Europolymer Conference (EUPOC 2009), Gargnano (BS), 2009*

<http://www.cnr.it/prodotto/i/117264>

info:cnr-pdr/source/autori:Bertoldo, Monica; Zampano, Giovanni; La Terra, Federico; Ciardelli, Francesco/congresso\_nome:EPF Europolymer Conference (EUPOC 2009)/congresso\_luogo:Gargnano (BS)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a\_a:/intervallo\_pagine:

**88)-Evidence of polyolefins/clay molecular interaction at the interface of nanocomposites**

Coiai, Serena; Bertoldo, Monica; Taburoni, Elisa; Passaglia, Elisa; Ciardelli, Francesco  
*5th International Conference on Nanostructured Polymers and Nanocomposites, Paris, 2009*

<http://www.cnr.it/prodotto/i/117265>

info:cnr-pdr/source/autori:Coiai, Serena; Bertoldo, Monica; Taburoni, Elisa; Passaglia, Elisa; Ciardelli, Francesco/congresso\_nome:5th International Conference on Nanostructured Polymers and Nanocomposites/congresso\_luogo:Paris/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a\_a:/intervallo\_pagine:

**89)-Click” Functionalization and Crosslinking of Azide-Modified Chitosan and N-Phthaloyl-Chitosan**

Zampano, Giovanni; Bertoldo, Monica; Ciardelli, Ciardelli

*Hybrid Materials, Tours, 2009*

<http://www.cnr.it/prodotto/i/117269>

info:cnr-pdr/source/autori:Zampano, Giovanni; Bertoldo, Monica; Ciardelli, Ciardelli/congresso\_nome:Hybrid Materials/congresso\_luogo:Tours/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**90)-Preparation of gelatine based hybrid materials by isocyanate coupling reaction**

Bertoldo, Monica; Cognigni, Federica; Bronco, Simona; Ciardelli, Francesco

*Hybrid Materials, Tours, 2009*

<http://www.cnr.it/prodotto/i/117270>

info:cnr-pdr/source/autori:Bertoldo, Monica; Cognigni, Federica; Bronco, Simona; Ciardelli, Francesco/congresso\_nome:Hybrid Materials/congresso\_luogo:Tours/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**91)-“Covalent Surface Functionalization of Micro Mechanical Cantilever Sensors by Organic Capped TiO<sub>2</sub> and Fe<sub>2</sub>O<sub>3</sub> Nanocrystals”**

Ingrosso C; Striccoli M; Agostiano A; Sardella E; Keller S; Blagoi G; Boisen A; Curri ML

*Eurosensors XXIII, Lausanne, Switzerland, 2009*

<http://www.cnr.it/prodotto/i/117275>

info:cnr-pdr/source/autori:Ingrosso C, Striccoli M, Agostiano A, Sardella E, Keller S, Blagoi G, Boisen A, Curri ML/congresso\_nome:Eurosensors XXIII/congresso\_luogo:Lausanne, Switzerland/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**92)-“Magnetic Nanocrystals Modified Epoxy Photoresist for Microfabrication of AFM probes”**

Martin C; Ingrosso C; Llobera A; Perez Murano F; Innocenti C; Sangregorio C; Brugger J; Striccoli M; Agostiano A; Curri ML

*Eurosensors XXIII, Lausanne, Switzerland, 2009*

<http://www.cnr.it/prodotto/i/117277>

info:cnr-pdr/source/autori:Martin C, Ingrosso C, Llobera A, Perez Murano F, Innocenti C, Sangregorio C, Brugger J, Striccoli M, Agostiano A, Curri ML/congresso\_nome:Eurosensors XXIII/congresso\_luogo:Lausanne, Switzerland/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**93)-Interfacial relaxation Dynamics in nanocomposite materials**

Prevosto, D.; Labardi, M.; Capaccioli, S.; Lucchesi, M.; Passaglia, E.; Nguyen, K.; Bertoldo, M.; Coiai, S.; Scatto, M.; Saiter, A.; Delbreilh, L.; Ciardelli, F.; Rolla, P.A.

*6th International Discussion Meeting on Relaxations in Complex Systems, Roma, 2009*

<http://www.cnr.it/prodotto/i/117278>

info:cnr-pdr/source/autori:Prevosto, D.; Labardi, M.; Capaccioli, S.; Lucchesi, M.; Passaglia, E.; Nguyen, K.; Bertoldo, M.; Coiai, S.; Scatto, M.; Saiter, A.; Delbreilh, L.; Ciardelli, F.; Rolla, P.A./congresso\_nome:6th International Discussion Meeting on Relaxations in Complex Systems/congresso\_luogo:Roma/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**94)-“Plasma deposited nanocomposite coatings for biomedical applications: silver and hydroxyapatite containing thin films”**

Sardella E; Gristina R; Altomare M; Caruso E. Sardella; R. Gristina; M. Altomare; Caruso D; Da Ponte G; Ingrosso C; Favia P; d’Agostino R

*4th International Workshop on Polymer/Metal Nanocomposites” Nanoworkshop, Prague, Czech Republic, 2009*

<http://www.cnr.it/prodotto/i/117279>

info:cnr-pdr/source/autori:Sardella E, Gristina R, Altomare M, Caruso E. Sardella, R. Gristina, M. Altomare, Caruso D, Da Ponte G, Ingrosso C, Favia P, d’Agostino R/congresso\_nome:4th International Workshop on Polymer/Metal Nanocomposites” Nanoworkshop/congresso\_luogo:Prague, Czech Republic/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**95)-INFLUENCE OF CLAY ON RELAXATION DYNAMICS IN MATERIALS FOR GAS BARRIER APPLICATION**

Prevosto, D.; Lucchesi, M.; Passaglia, E.; Bertoldo, M.; Coiai, S.; Scatto, M.; Ciardelli, F.; Rolla, P.A.

*POLYCHAR17 – World Forum on Advanced Materials, Rouen, 2009*

<http://www.cnr.it/prodotto/i/117280>

info:cnr-pdr/source/autori:Prevosto, D.; Lucchesi, M.; Passaglia, E.; Bertoldo, M.; Coiai, S.; Scatto, M.; Ciardelli, F.; Rolla, P.A./congresso\_nome:POLYCHAR17 – World Forum on Advanced

Materials/congresso\_luogo:Rouen/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**96)-“Colloidal nanocrystals at work: tailoring the properties of original functional materials”**

Comparelli R; Fanizza E; Depalo N; Tamborra M; . Ingrosso C; Placido T; Corricelli M; Panniello A; Binetti E; Curri ML; Striccoli M; Agostiano A

*First International Meeting on Organic Materials for a Better Future (FUTURMAT1), Ostuni (BR), 2009*

<http://www.cnr.it/prodotto/i/117281>

info:cnr-pdr/source/autori:Comparelli R, Fanizza E, Depalo N, Tamborra M,. Ingresso C, Placido T, Corricelli M, Panniello A, Binetti E, Curri ML, Striccoli M, Agostiano A/congresso\_nome:First International Meeting on Organic Materials for a Better Future (FUTURMAT1)/congresso\_luogo:Ostuni (BR)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**97)-“The role of Silver in the growth of Au Nanorods”**

Giannici F; Comparelli R; Placido T; Lucia Curri ML; Agostiano A  
*10th FIGIPAS Meeting in Inorganic Chemistry, Palermo, 2009*

<http://www.cnr.it/prodotto/i/117283>

info:cnr-pdr/source/autori:Giannici F, Comparelli R,Placido T,Lucia Curri ML,Agostiano A/congresso\_nome:10th FIGIPAS Meeting in Inorganic Chemistry/congresso\_luogo:Palermo/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**98)-Assembly of functionalized nanocrystals for the fabrication of complex 2/3 dimensional architectures**

Fanizza E; . Comparelli R; Corricelli M; Depalo N; Striccoli M; Agostiano A; Curri ML  
*First International Meeting on Organic Materials for a Better Future (FUTURMAT1), Ostuni, 2009*

<http://www.cnr.it/prodotto/i/117286>

info:cnr-pdr/source/autori:Fanizza E,. Comparelli R, Corricelli M, Depalo N, Striccoli M, Agostiano A, Curri ML/congresso\_nome:First International Meeting on Organic Materials for a Better Future (FUTURMAT1)/congresso\_luogo:Ostuni/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**99)-Surface plasmons coupled to excitons for photoluminescence enhancement in printed 2D polymer photonic structures**

Reboud V; Kehagias N; Striccoli M; Placido T; Panniello A; Curri ML; Zelsmann M; Alducin JA; Mecerreyes D; Newcomb S; Iacopino D; Doyle H; Redmond G; Sotomayor Torres CM  
*53th INTERNATIONAL CONFERENCE on ELECTRON, ION, and PHOTON BEAM TECHNOLOGY & NANOFABRICATION (EIPBN), Florida (USA), 2009*

<http://www.cnr.it/prodotto/i/117287>

info:cnr-pdr/source/autori:Reboud V, Kehagias N, Striccoli M,Placido T, Panniello A, Curri ML, Zelsmann M, Alducin JA, Mecerreyes D, Newcomb S, Iacopino D, Doyle H, Redmond G, Sotomayor Torres CM/congresso\_nome:53th INTERNATIONAL CONFERENCE on ELECTRON, ION, and PHOTON BEAM TECHNOLOGY & NANOFABRICATION



(EIPBN)/congresso\_luogo:Florida

(USA)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**100)-“Colloidal semiconductor nanocrystals for assembly: synthesis and functionalization routes”**

Corricelli M; Comparelli R; Striccoli M; Fanizza E; Agostiano A; Curri ML

*Synthesis and Surface Modification of Nanocolloids, BAIONA (SPAIN), 2009*

<http://www.cnr.it/prodotto/i/117288>

info:cnr-pdr/source/autori:Corricelli M, Comparelli R, Striccoli M, Fanizza E, Agostiano A, Curri ML/congresso\_nome:Synthesis and Surface Modification of Nanocolloids/congresso\_luogo:BAIONA

(SPAIN)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**101)-LINEAR AND NON LINEAR PROPERTIES OF MOLECULES INTERACTING WITH RADIATION (AND EXTERNAL FIELDS) BIREFRINGENCES AND DICHOISMS, CHIRALITY AND ALL THAT**

Antonio Rizzo

*NORDITA Multiscale Modeling and Simulation in Science, Stockholm, Sweden, 2009*

<http://www.cnr.it/prodotto/i/117290>

info:cnr-pdr/source/autori:Antonio Rizzo/congresso\_nome:NORDITA Multiscale Modeling and Simulation in Science/congresso\_luogo:Stockholm, Sweden/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**102)-Synthesis and self-assembly of PbS nanocrystals**

Corricelli M; Comparelli R; Striccoli M; Giannini C; Fanizza E; Agostiano A; Curri ML

*XXIII CONGRESSO NAZIONALE Società Chimica Italiana, Sorrento (NA), 2009*

<http://www.cnr.it/prodotto/i/117291>

info:cnr-pdr/source/autori:Corricelli M, Comparelli R, Striccoli M, Giannini C, Fanizza E, Agostiano A, Curri ML/congresso\_nome:XXIII CONGRESSO NAZIONALE Società Chimica Italiana/congresso\_luogo:Sorrento

(NA)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**103)-SYNTHESIS AND SURFACE FUNCTIONALIZATION OF COLLOIDAL SEMICONDUCTOR NANOCRYSTALS FOR ASSEMBLY**

Corricelli M; Comparelli R; Striccoli M; Fanizza E; Agostiano A; Curri ML

*VII Convegno Nazionale INSTM sulla Scienza e Tecnologia dei Materiali, Tirrenia (PI), 2009*

<http://www.cnr.it/prodotto/i/117292>

info:cnr-pdr/source/autori:Corricelli M, Comparelli R, Striccoli M, Fanizza E, Agostiano A, Curri ML/congresso\_nome:VII Convegno Nazionale INSTM sulla Scienza e Tecnologia dei

Materiali/congresso\_luogo:Tirrenia

(PI)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**104)-“Au nanoparticles-PMMA based nanocomposites for functional materials”**

Panniello A; Placido T; Comparelli R; Curri ML; Agostiano A; Mecerreyes D; Kehagias N; Reboud V; Sotomayor Torres CM; Striccoli M

*XXIII CONGRESSO NAZIONALE Società Chimica Italiana, Sorrento (NA), 2009*

<http://www.cnr.it/prodotto/i/117293>

info:cnr-pdr/source/autori:Panniello A, Placido T, Comparelli R, Curri ML, Agostiano A, Mecerreyes D, Kehagias N, Reboud V, Sotomayor Torres CM, Striccoli M/congresso\_nome:XXIII CONGRESSO NAZIONALE Società Chimica Italiana/congresso\_luogo:Sorrento

(NA)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**105)-“Ab initio study of relative stability of TiO<sub>2</sub> surfaces and crystal morphology”**

Carnimeo I; Agostiano A; Causà M

*XIII CONGRESSO NAZIONALE Società Chimica Italiana, Sorrento (NA), 2009*

<http://www.cnr.it/prodotto/i/117295>

info:cnr-pdr/source/autori:Carnimeo I, Agostiano A, Causà M/congresso\_nome:XIII CONGRESSO NAZIONALE Società Chimica Italiana/congresso\_luogo:Sorrento

(NA)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**106)-Interdendrimers Interaction In Water Solution : A SAXS Study**

Lombardo D.; Kiselev M.A.; Calandra P.

*6th International Discussion Meeting on Relaxations in Complex Systems, Roma, 2009*

<http://www.cnr.it/prodotto/i/117296>

info:cnr-pdr/source/autori:Lombardo D.; Kiselev M.A.; Calandra P./congresso\_nome:6th International Discussion Meeting on Relaxations in Complex Systems/congresso\_luogo:Roma/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**107)-"Photocatalytic activity of novel nanocrystal-based immobilized catalysts: effect of catalyst composition and substrate type"**

Comparelli R; Petronella F; Corricelli M; Panniello A; Fanizza E; Striccoli M; Mascolo G; Licciulli A; Curri ML; Agostiano A

*VII Convegno Nazionale INSTM sulla Scienza e Tecnologia dei Materiali, Tirrenia (PI), 2009*

<http://www.cnr.it/prodotto/i/117297>

info:cnr-pdr/source/autori:Comparelli R,Petronella F, Corricelli M, Panniello A, Fanizza E,Striccoli M,Mascolo G, Licciulli A, Curri ML, Agostiano A/congresso\_nome:VII Convegno

Nazionale INSTM sulla Scienza e Tecnologia dei Materiali/congresso\_luogo:Tirrenia (PI)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**108)-“Ink-jet printing of highly luminescent nanocrystal/conductive polymer nanocomposites”**

Binetti E; Ingrosso C; Kim YJ; Fakhfour V; Striccoli M; Agostiano A; Brugger J; Curri ML  
*XXIII CONGRESSO NAZIONALE Società Chimica Italiana, Sorrento (NA), 2009*

<http://www.cnr.it/prodotto/i/117298>

info:cnr-pdr/source/autori:Binetti E, Ingrosso C, Kim YJ,Fakhfour V,Striccoli M, Agostiano A, Brugger J, Curri ML/congresso\_nome:XXIII CONGRESSO NAZIONALE Società Chimica Italiana/congresso\_luogo:Sorrento (NA)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**109)-Structural investigation in water solution of PDMS-b-PEO copolymers**

Lombardo D.; Kiselev M. A.; Fazio B.

*XXI° Congresso GNSR - Gruppo Nazionale Spettroscopia Raman 2009, Milano, 10-13 febbraio 2009*

<http://www.cnr.it/prodotto/i/117299>

info:cnr-pdr/source/autori:Lombardo D.; Kiselev M. A.; Fazio B./congresso\_nome:XXI° Congresso GNSR - Gruppo Nazionale Spettroscopia Raman 2009/congresso\_luogo:Milano/congresso\_data:10-13 febbraio 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**110)-INK-JET PRINTING OF HIGHLY LUMINESCENT NANOCRYSTAL/POLYMER NANOCOMPOSITES FOR MICROSTRUCTURE FABRICATION: EFFECT OF THE INK PARAMETERS**

Binetti E; Ingrosso C; Kim J Y; Fakhfour V; Striccoli M; Agostiano A; Curri ML; Brugger J  
*VII CONVEGNO NAZIONALE INSTM SULLA SCIENZA E TECNOLOGIA DEI MATERIALI, Tirrenia (PI), 2009*

<http://www.cnr.it/prodotto/i/117300>

info:cnr-pdr/source/autori:Binetti E, Ingrosso C, Kim J Y, Fakhfour V, Striccoli M,Agostiano A, Curri ML, Brugger J/congresso\_nome:VII CONVEGNO NAZIONALE INSTM SULLA SCIENZA E TECNOLOGIA DEI MATERIALI/congresso\_luogo:Tirrenia (PI)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**111)-Study of the Effect of Charged Dendrimers on Vesicles Systems by Raman Scattering**

Lombardo D.; Longo A.; Calandra P.

*Congresso Gruppo Nazionale Spettroscopia Raman (GNSR) 2009, Milano, 10-13 febbraio 2009*

<http://www.cnr.it/prodotto/i/117301>

info:cnr-pdr/source/autori:Lombardo D.; Longo A.; Calandra P./congresso\_nome:Congresso Gruppo Nazionale Spettroscopia Raman (GNSR) 2009/congresso\_luogo:Milano/congresso\_data:10-13 febbraio 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**112)-“Photochemical Synthesis of Water Soluble Gold Nanorods: the Role of Silver in the Anisotropic Growth”**

T. Placido T; Comparelli R; Giannici F; Capitani G; Striccoli M; Agostiano A; Curri ML  
*VII CONVEGNO NAZIONALE INSTM SULLA SCIENZA E TECNOLOGIA DEI MATERIALI, Tirrenia (PI), 2009*

<http://www.cnr.it/prodotto/i/117302>

info:cnr-pdr/source/autori:T. Placido T, Comparelli R, Giannici F, Capitani G, Striccoli M, Agostiano A, Curri ML/congresso\_nome:VII CONVEGNO NAZIONALE INSTM SULLA SCIENZA E TECNOLOGIA DEI MATERIALI/congresso\_luogo:Tirrenia (PI)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**113)-Polymer melt intercalation and in situ polymerization of lactide in innovative organophilic montmorillonites**

Castiello, S.; Coltelli M.-B.; Bronco, S.; Ciardelli, F.subjectsitu polymerizationsubjectlactidesubjectmontmorillonitessubjectmelt intercalation  
*NANOTECH2009.it: Nanotechnologies: Competitiveness & innovation for industrial growth, Roma, 31 marzo - 3 aprile 2009*

<http://www.cnr.it/prodotto/i/117313>

info:cnr-pdr/source/autori:Castiello, S.; Coltelli M.-B.; Bronco, S.; Ciardelli, F./congresso\_nome:NANOTECH2009.it: Nanotechnologies: Competitiveness & innovation for industrial growth/congresso\_luogo:Roma/congresso\_data:31 marzo - 3 aprile 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**114)-“Materiali a base di poli(acido lattico) per il packaging: formulazione, modulazione delle proprietà, applicazioni speciali”**

Signori, F.; Bronco, S.; Pucci, A.; Coltelli, M. B.; Ruggeri, G.; Ciardelli, F.; Castiello, S.; Badalassi, M.

*Giornata Tecnologica AIM Materie plastiche per il packaging: Novità dal mondo della ricerca, Milano, 2009*

<http://www.cnr.it/prodotto/i/117319>

info:cnr-pdr/source/autori:Signori, F.; Bronco, S.; Pucci, A.; Coltelli, M. B.; Ruggeri, G.; Ciardelli, F.; Castiello, S.; Badalassi, M./congresso\_nome:Giornata Tecnologica AIM Materie plastiche per il packaging: Novità dal mondo della ricerca/congresso\_luogo:Milano/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**115)-Applications of Scanning Near-Field Optical Microscopy in Life Science**

Gucciardi P.G.subjectnear-field microscopysubjectlife sciencesubjecttip enhanced Raman Spectroscopysubjectproteins localizationssubjectsubdiffraction resolution

*Applied Scanning Probe Methods, edited by B. Bhushan, pp. 49–66. New York: Springer, 2009*

[urn:isbn:978-3-540-85038-0](http://www.isbn.org/978-3-540-85038-0)

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/anno:2009

**116)-GALILEO !, Un dialogo impossibile**

N. Ioli; F. Riccioni; V. Balandi

2009

<http://www.cnr.it/prodotto/i/137273>

info:cnr-pdr/source/autori:N. Ioli, F. Riccioni, V. Balandi/titolo:GALILEO !, Un dialogo impossibile/editore:/anno:2009

**117)-Nanocrystal based polymer composites as novel functional materials**

M.Striccoli; M. L. Curri; R. Comparelli

, 2009

<http://www.cnr.it/prodotto/i/137283>

info:cnr-pdr/source/autori:M.Striccoli, M. L. Curri, R. Comparelli/titolo:Nanocrystal based polymer composites as novel functional materials/titolo\_volume:/curatori\_volume:/editore:/anno:2009

**118)-The New Era of Refractive Correction**

Lombardo M; Lombardo G

, pp. 133–145. *Hauppauge: Nova Science Publishers, 2009*

[urn:isbn:978-1-60456-863-9](http://www.isbn.org/978-1-60456-863-9)

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/anno:2009

**119)-Excimer Laser Surgery: A Watchful Eye for the Future**

M. Lombardo; G. Lombardo; M.P. De Santo; R. Barberi; L. Ziccardi; S. Serrao  
, pp. 151–163. Hauppauge: Nova Science Publishers, 2009

[urn:isbn:978-1-60456-863-9](http://www.cnr.it/prodotto/i/137293)

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/anno:2009

**120)-Practical Guide to Apertureless Optical Scanning Microscopy**

Protasenko, V.; Labardi, M.

2009

<http://www.cnr.it/prodotto/i/137293>

info:cnr-pdr/source/autori:Protasenko, V.; Labardi, M./titolo:Practical Guide to Apertureless Optical Scanning Microscopy/editore:/anno:2009

**121)-La struttura ossea valutata con RM**

V. Panebianco; S. Capuani; C.V. Albanese

, 2009

<http://www.cnr.it/prodotto/i/137294>

info:cnr-pdr/source/autori:V. Panebianco, S. Capuani, C.V. Albanese/titolo:La struttura ossea valutata con RM/titolo\_volume:/curatori\_volume:/editore:/anno:2009

**122)-Microwave Chemical Reactor**

US 11/722,723

<http://www.cnr.it/prodotto/i/144987>

**123)-PHOTOELECTROCHEMICAL SOLAR CELL COMPRISING SENSITIZING ANTHOCYANIN AND BETALAIN DYES OF VEGETAL OR SYNTHETIC ORIGIN, OR MIXTURES THEREOF**

Calogero G.;

*PCT/IT2009/000468, Internazionale*

<http://www.wipo.int/patentscope/search/en/WO2010044122>

**124)-Materiale sensibile a sollecitazioni termiche**

Bronco S.;

*I0134755*

<http://www.cnr.it/prodotto/i/144998>

**125)-FILTRO POLARIZZATORE LINEARE CON PARTICOLARE EFFICIENZA DI POLARIZZAZIONE.**

GIOCONDO MICHELE;

*BO2009A000502*

<http://www.cnr.it/prodotto/i/144999>

**126)-Laser senza specchi accordabile a tre strati**

PetriashviliG.;

*CS2009A000003, Nazionale*

<http://www.cnr.it/prodotto/i/145001>

**127)-Liquid Crystal mixture and its use for bistable or multistable electro-optical devices**

Barberi R.;

*WO 2009/004465, Internazionale*

<http://www.cnr.it/prodotto/i/145002>

**128)-In una goccia di sangue il destino del cuore**

Ferdeghini E.; Tognoni E.; Trombella L.; Kraft G.; Groppioni S.; Marinai M.; Magrini M.;

Serasini L.subjectrischio cardiovascolaresubjectanalisi sangue

*2009*

<http://www.cnrweb.tv/in-una-goccia-di-sangue-il-destino-del-cuore/>

**129)-Ironscience: atleti in gara per vincere la malattia**

Ferdeghini E.; Tognoni E.; Trombella L.; Kraft G.; Passera M.; Magrini M.; Serasini

L.subjecteffetti stresssubjecttriathlonsubjectAsinara

*2009*

<http://www.cnrweb.tv/39/>

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Magrini M., Serasini L./titolo:Ironscience: atleti in gara per vincere la  
malattia/editore:/anno:2009

**130)-Ludoteca Scientifica Dialogar di Scienza Sperimentando sotto la Torre**

Ioli N.; Gozzini S.; Legnaioli S.; Tagliaferri M.

2009

<http://www.cnr.it/prodotto/i/149188>

**131)-Ludoteca Scientifica**

Ioli N.; Gozzini S.; Legnaioli S.; Tagliaferri M.

2009

<http://www.cnr.it/prodotto/i/149189>

**132)-European Solar Days**

G. Calogero; A. Sinopoli; G. Di Marco

2009

<http://www.cnr.it/prodotto/i/149191>

**133)-Report periodico PROGETTO STRATEGICO PE\_083: "Protezione, consolidamento e pulitura di materiali lapidei caratteristici della regione Puglia: sperimentazione di prodotti a basso impatto ambientale e monitoraggio dei trattamenti"**

COmparelli R; Curri ML; Lasorella G

2009

<http://www.cnr.it/prodotto/i/158344>

**134)-An analytic Technique to Construct Exact Models of the Distribution of the Potential in Electrostatic Tripolar Spikes**

Nocera L.subjectoscillationssubjectdouble layerssubjectisolated electrostatic structuresubjectelectrostatic solitary wavessubjecttripolar spikes

2009

<http://www.cnr.it/prodotto/i/158351>

**135)-An Inversion Theorem for the Singular Integral Poisson Equation**

Nocera L.subjectplasmasubjectoscillationssubjectBGK-wavessubjectelectrostatic solitary waves

2009

<http://www.cnr.it/prodotto/i/158352>

**136)-Sectionally Analytic Distribution Functions of Electron and Ions associated with a BGK wave in a Collisionless Plasma**

Nocera L.subjectplasmasubjectoscillationssubjectdouble layerssubjectisolated electrostatic structures

2009



<http://www.cnr.it/prodotto/i/158353>

**137)-Ortaggi ed energia**

Di Marco G.; Calogero G.

2009

<http://www.cnr.it/prodotto/i/252117>

**138)-Inclusion complex of T-2 toxin fluorescent derivatives with beta-cyclodextrins in aqueous solution**

Verrone R.; Catucci L.; Agostiano A.; Lippolis V.; Pascale M.

*XXIII Congresso Nazionale della Società Chimica Italiana, Sorrento (NA), 2009*

<http://www.cnr.it/prodotto/i/169665>

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(NA)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**139)-Effect of cyclodextrins on mycotoxin photodegradation**

Verrone R.; Catucci L.; Agostiano A.; Lippolis V.; Pascale M.

*Congresso Annuale 2009 della Società Italiana di Fotobiologia, Locorotondo (BA), 2009*

<http://www.cnr.it/prodotto/i/172253>

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(BA)/congresso\_data:2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**140)-Effect of beta-cyclodextrins on spectroscopic properties of fluorescent trichothecene derivatives.**

Verrone R.; Catucci L.; Agostiano A.; Lippolis V.; Pascale M.

*IX Congresso Nazionale di Chimica Supramolecolare, Parma, 2009*

<http://www.cnr.it/prodotto/i/172257>

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**141)-Cyclodextrin effect on spectroscopic and electrochemical properties of ochratoxin a in different solvents**

Verrone R.; Catucci L.; Cosma P.; Fini P.; Ventrella A.; Agostiano A.; Lippolis V.; Pascale M.

*XX International Symposium on Bioelectrochemistry and Bioenergetics, Sibiu (Romania), 2009*

<http://www.cnr.it/prodotto/i/173189>

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**142)-REPORT Voucher VISIBILASER: Progettazione e Realizzazione di un correlatore multi-tau**

Giuseppe Lombardo

2009

<http://www.cnr.it/prodotto/i/213505>

**143)-Rapporto Tecnico Voucher: Progettazione del sistema ottico ed optoelettronico di un sistema di scansione laser per la sicurezza**

Giuseppe Lombardo

2009

<http://www.cnr.it/prodotto/i/213511>

**144)-Fast-electron transport in cylindrically laser-compressed matter**

Perez, F (Perez, F.)[ 1 ]; Koenig, M (Koenig, M.)[ 1 ]; Batani, D (Batani, D.)[ 2 ]; Baton, SD (Baton, S. D.)[ 1 ]; Beg, FN (Beg, F. N.)[ 3 ]; Benedetti, C (Benedetti, C.)[ 4 ]; Brambrink, E (Brambrink, E.)[ 1 ]; Chawla, S (Chawla, S.)[ 3 ]; Dorchie, F (Dorchie, F.)[ 5 ]; Fourment, C (Fourment, C.)[ 5 ]; Galimberti, M (Galimberti, M.)[ 6 ]; Gizzi, LA (Gizzi, L. A.)[ 7 ]; Heathcote, R (Heathcote, R.)[ 6 ]; Higginson, DP (Higginson, D. P.)[ 3 ]; Hulin, S (Hulin, S.)[ 5 ]; Jafer, R (Jafer, R.)[ 2 ]; Koester, P (Koester, P.)[ 7 ]; Labate, L (Labate, L.)[ 7 ]; Lancaster, K (Lancaster, K.)[ 6 ]; MacKinnon, AJ (MacKinnon, A. J.)[ 8 ]; McPhee, AG (McPhee, A. G.)[ 8 ]; Nazarov, W (Nazarov, W.)[ 9 ]; Nicolai, P (Nicolai, P.)[ 5 ]; Pasley, J (Pasley, J.)[ 6,10 ]; Ravasio, A (Ravasio, A.)[ 1 ]; Richetta, M (Richetta, M.)[ 11 ]; Santos, JJ (Santos, J. J.)[ 5 ]; Sgattoni, A (Sgattoni, A.)[ 4 ]; Spindloe, C (Spindloe, C.)[ 6 ]; Vauzour, B (Vauzour, B.)[ 5 ]; Volpe, L (Volpe, L.)[ 2 ]subjectCENTERED LAGRANGIAN SCHEMESsubjectFLOW PROBLEMS

*36th European-Physical-Society Conference on Plasma Physics, pp. 124035, Natl Palace Culture, Sofia, BULGARIA, JUN 29-JUL 03, 2009*

<https://dx.doi.org/10.1088/0741-3335/51/12/124035>

info:cnr-pdr/source/autori:Perez, F (Perez, F.)[ 1 ]; Koenig, M (Koenig, M.)[ 1 ]; Batani, D (Batani, D.)[ 2 ]; Baton, SD (Baton, S. D.)[ 1 ]; Beg, FN (Beg, F. N.)[ 3 ]; Benedetti, C (Benedetti, C.)[ 4 ]; Brambrink, E (Brambrink, E.)[ 1 ]; Chawla, S (Chawla, S.)[ 3 ]; Dorchie, F (Dorchie, F.)[ 5 ]; Fourment, C (Fourment, C.)[ 5 ]; Galimberti, M (Galimberti, M.)[ 6 ]; Gizzi, LA (Gizzi, L. A.)[ 7 ]; Heathcote, R (Heathcote, R.)[ 6 ]; Higginson, DP (Higginson, D. P.)[ 3 ]; Hulin, S (Hulin, S.)[ 5 ]; Jafer, R (Jafer, R.)[ 2 ]; Koester, P (Koester,

P.)[ 7 ] ; Labate, L (Labate, L.)[ 7 ] ; Lancaster, K (Lancaster, K.)[ 6 ] ; MacKinnon, AJ (MacKinnon, A. J.)[ 8 ] ; McPhee, AG (McPhee, A. G.)[ 8 ] ; Nazarov, W (Nazarov, W.)[ 9 ] ; Nicolai, P (Nicolai, P.)[ 5 ] ; Pasley, J (Pasley, J.)[ 6,10 ] ; Ravasio, A (Ravasio, A.)[ 1 ] ; Richetta, M (Richetta, M.)[ 11 ] ; Santos, JJ (Santos, J. J.)[ 5 ] ; Sgattoni, A (Sgattoni, A.)[ 4 ] ; Spindloe, C (Spindloe, C.)[ 6 ] ; Vauzour, B (Vauzour, B.)[ 5 ] ; Volpe, L (Volpe, L.)[ 2 ]/congresso\_nome:36th European-Physical-Society Conference on Plasma Physics/congresso\_luogo:Natl Palace Culture, Sofia, BULGARIA/congresso\_data:JUN 29-JUL 03, 2009/anno:2009/pagina\_da:124035/pagina\_a:/intervallo\_pagine:124035

#### **145)-Status of Thomson source at SPARC/PLASMONX**

Bacci, A (Bacci, A.)[ 1 ] ; Broggi, F (Broggi, F.)[ 1 ] ; DeMartinis, C (DeMartinis, C.)[ 1 ] ; Giove, D (Giove, D.)[ 1 ] ; Maroli, C (Maroli, C.)[ 1 ] ; Petrillo, V (Petrillo, V.)[ 1 ] ; Rossi, AR (Rossi, A. R.)[ 1 ] ; Serafini, L (Serafini, L.)[ 1 ] ; Tomassini, P (Tomassini, P.)[ 1 ] ; Cultrera, L (Cultrera, L.)[ 2 ] ; Di Pirro, G (Di Pirro, G.)[ 2 ] ; Ferrario, M (Ferrario, M.)[ 2 ] ; Filippetto, D (Filippetto, D.)[ 2 ] ; Gatti, G (Gatti, G.)[ 2 ] ; Pace, E (Pace, E.)[ 2 ] ; Vaccarezza, C (Vaccarezza, C.)[ 2 ] ; Vicario, C (Vicario, C.)[ 2 ] ; Bosi, F (Bosi, F.)[ 3,4 ] ; Giulietti, D (Giulietti, D.)[ 3,4 ] ; Gizzi, LA (Gizzi, L. A.)[ 3,4 ] ; Oliva, P (Oliva, P.)[ 5 ]subjectThomson scatteringsubjectPlasma accelerationsubjectHigh brightness electron beams

*Workshop on Compton Sources for X-gamma Rays, pp. S90–S93, Porto Conte, ITALY, SEP 07-12, 2008*

<https://dx.doi.org/10.1016/j.nima.2009.05.041>

info:cnr-pdr/source/autori:Bacci, A (Bacci, A.)[ 1 ] ; Broggi, F (Broggi, F.)[ 1 ] ; DeMartinis, C (DeMartinis, C.)[ 1 ] ; Giove, D (Giove, D.)[ 1 ] ; Maroli, C (Maroli, C.)[ 1 ] ; Petrillo, V (Petrillo, V.)[ 1 ] ; Rossi, AR (Rossi, A. R.)[ 1 ] ; Serafini, L (Serafini, L.)[ 1 ] ; Tomassini, P (Tomassini, P.)[ 1 ] ; Cultrera, L (Cultrera, L.)[ 2 ] ; Di Pirro, G (Di Pirro, G.)[ 2 ] ; Ferrario, M (Ferrario, M.)[ 2 ] ; Filippetto, D (Filippetto, D.)[ 2 ] ; Gatti, G (Gatti, G.)[ 2 ] ; Pace, E (Pace, E.)[ 2 ] ; Vaccarezza, C (Vaccarezza, C.)[ 2 ] ; Vicario, C (Vicario, C.)[ 2 ] ; Bosi, F (Bosi, F.)[ 3,4 ] ; Giulietti, D (Giulietti, D.)[ 3,4 ] ; Gizzi, LA (Gizzi, L. A.)[ 3,4 ] ; Oliva, P (Oliva, P.)[ 5 ]/congresso\_nome:Workshop on Compton Sources for X-gamma Rays/congresso\_luogo:Porto Conte, ITALY/congresso\_data:SEP 07-12, 2008/anno:2009/pagina\_da:S90/pagina\_a:S93/intervallo\_pagine:S90–S93

#### **146)-Graphene as counter electrode for natural dye sensitized solar cells.**

Giuseppe Calogero; Francesco Bonaccorso; Pietro Giuseppe Gucciardi; Giulia Privitera; Gaetano Di Marco; Andrea Carlo Ferrari

*Tenth International Conference on the Science and Application of Nanotubes (NT09), Beijing, P. R. China, June 21-26, 2009*

<http://www.cnr.it/prodotto/i/249901>

info:cnr-pdr/source/autori:Giuseppe Calogero,Francesco Bonaccorso, Pietro Giuseppe Gucciardi, Giulia Privitera,Gaetano Di Marco, Andrea Carlo Ferrari/congresso\_nome:Tenth International Conference on the Science and Application of Nanotubes

(NT09)/congresso\_luogo:Beijing, P. R. China/congresso\_data:June 21-26, 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**147)-SINGLE WALL CARBON NANOTUBES DEPOSITED ON STAINLESS STEEL SHEET SUBSTRATES AS NOVEL COUNTER ELECTRODES FOR RUTHENIUM POLYPYRIDINE BASED DYE SENSITIZED SOLAR CELLS**

Giuseppe Calogero; Francesco Bonaccorso; Onofrio M. Maragò; Pietro G. Gucciardi; Gaetano Di Marco  
subject:carbon nanotubes; subject:stainless steels; subject:solar cells; subject:photovoltaic; subject:energy renewables; subject:ruthenium polypyridine complex

*Work first presented at the 10th FIGIPAS Meeting in Inorganic Chemistry, Palermo, Italy, July 1-4 2009*

<http://www.cnr.it/prodotto/i/249906>

info:cnr-pdr/source/autori:Giuseppe Calogero, Francesco Bonaccorso, Onofrio M. Maragò, Pietro G. Gucciardi and Gaetano Di Marco/congresso\_nome:Work first presented at the 10th FIGIPAS Meeting in Inorganic Chemistry/congresso\_luogo:Palermo, Italy/congresso\_data:July 1-4 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**148)-Natural Dye Sensitized Solar Cells based on fruits and nanotechnology**

Giuseppe Calogero; Alessandro Sinopoli; Gaetano Di Marco; Stefano Caramori; Carlo Alberto Bignozzi

*XCV CONGRESSO NAZIONALE SOCIETA' ITALIANA DI FISICA, Bari, Italy, 28 Settembre-3 Ottobre 2009*

<http://www.cnr.it/prodotto/i/249911>

info:cnr-pdr/source/autori:Giuseppe Calogero, Alessandro Sinopoli, Gaetano Di Marco, Stefano Caramori, Carlo Alberto Bignozzi/congresso\_nome:XCV CONGRESSO NAZIONALE SOCIETA' ITALIANA DI FISICA/congresso\_luogo:Bari, Italy/congresso\_data:28 Settembre-3 Ottobre 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**149)-Recent developments in Dye Sensitized Solar Cells using betalain and anthocyanins as sensitizers extracted from fruits and flowers.**

Giuseppe Calogero; Gaetano Di Marco; Alessandro Sinopoli; Stefano Caramori; Carlo Alberto Bignozzi

*XXIII Congresso Nazionale della SCI, Sorrento, Italy, 5-10 luglio 2009*

<http://www.cnr.it/prodotto/i/249916>

info:cnr-pdr/source/autori:Giuseppe Calogero, Gaetano Di Marco, Alessandro Sinopoli, Stefano Caramori, Carlo Alberto Bignozzi/congresso\_nome:XXIII Congresso Nazionale della SCI/congresso\_luogo:Sorrento, Italy/congresso\_data:5-10 luglio 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**150)-Coloranti estratti dalle arance per i pannelli biologici**

Di Marco. G; Calogero.G

*cnr.it Highlights CNR 2008-2009, pp. 95-95, 2009*

<http://www.cnr.it/prodotto/i/251424>

info:cnr-pdr/source/autori:Di Marco. G, Calogero.G/titolo:Coloranti estratti dalle arance per i pannelli biologici/titolo\_volume:cnr.it Highlights CNR 2008-2009/curatori\_volume:/editore:/anno:2009

**151)-EFFETTI DELL'ATTIVITA' DEGRADATIVA DELLA COMUNITA' MICROBICA AUTOCTONA IN UN CAMPIONE D'ACQUA DI SENTINA**

Benedetta Calderone; Gaetano Di Marco; Massimo De Luca; Simona Scarfì; Maria De Domenico; Emilio De Domenico

*XIX Congresso della Associazione Italiana di Oceanologia e Limnologia, Isola di S. Servolo (Venezia), 22-25 Settembre 2009*

<http://www.cnr.it/prodotto/i/251824>

info:cnr-pdr/source/autori:Benedetta Calderone, Gaetano Di Marco, Massimo De Luca, Simona Scarfì, Maria De Domenico, Emilio De Domenico/congresso\_nome:XIX Congresso della Associazione Italiana di Oceanologia e Limnologia/congresso\_luogo:Isola di S. Servolo (Venezia)/congresso\_data:22-25 Settembre 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**152)-SINGLE WALL CARBON NANOTUBES AS COUNTER ELECTRODES FOR DYE SENSITIZED SOLAR CELLS USING STAINLESS STEEL SUBSTRATE**

G. Calogero; F. Bonaccorso; P. G. Gucciardi; Gaetano Di Marco

*FIGIPAS 2009, Palermo, Italy, 1-4 July 2009*

<http://www.cnr.it/prodotto/i/251827>

info:cnr-pdr/source/autori:G. Calogero, F. Bonaccorso, P. G. Gucciardi and Gaetano Di Marco/congresso\_nome:FIGIPAS 2009/congresso\_luogo:Palermo, Italy/congresso\_data:1-4 July 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**153)-Recent Developments in Dye Sensitized Solar Cells Using Betalain and Anthocyanins as Sensitizers Extracted from Rruits and Flowers**

G. Calogero; G. Di Marco; A. Sinopoli; S. Caramori; C. A.Bignozzi

*XXIII Congresso Nazionale della Società Chimica Italiana., Sorrento, 5-10 Luglio 2009*

<http://www.cnr.it/prodotto/i/251830>

info:cnr-pdr/source/autori:G. Calogero, G. Di Marco, A. Sinopoli, S. Caramori, C. A.Bignozzi/congresso\_nome:XXIII Congresso Nazionale della Società Chimica Italiana./congresso\_luogo:Sorrento/congresso\_data:5-10 Luglio 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**154)-Graphene as counter electrode for natural dye sensitized solar cell**

Giuseppe Calogero; Francesco Bonaccorso; Pietro Giuseppe Gucciardi; Giulia Privitera; Gaetano Di Marco; Andrea Carlo Ferrari.

*Tenth International Conference on the Science and Application of Nanotubes, Tsinghua University, Beijing, P. R. China, June 21-26, 2009*

<http://www.cnr.it/prodotto/i/251833>

info:cnr-pdr/source/autori:Giuseppe Calogero, Francesco Bonaccorso, Pietro Giuseppe Gucciardi, Giulia Privitera, Gaetano Di Marco, Andrea Carlo Ferrari./congresso\_nome:Tenth International Conference on the Science and Application of Nanotubes/congresso\_luogo:Tsinghua University, Beijing, P. R. China/congresso\_data:June 21-26, 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**155)-Integration and characterization of a guided wave optical filter on silicon based on composite materials**

Donisi D. 1 and Beccherelli R. 1 and Bellini B. 1 and Asquini R 2 and d'Alessandro A 2 and De Sio L 3 and Umeton C 3

*9th Mediterranean Workshop and Topical Meeting "Novel Optical Materials and Applications" Noma2009, Cetraro (Italy), 7-13, June 2009*

<http://www.cnr.it/prodotto/i/267410>

info:cnr-pdr/source/autori:Donisi D. 1 and Beccherelli R. 1 and Bellini B. 1 and Asquini R 2 and d'Alessandro A 2 and De Sio L 3 and Umeton C 3/congresso\_nome:9th Mediterranean Workshop and Topical Meeting "Novel Optical Materials and Applications" Noma2009/congresso\_luogo:Cetraro (Italy)/congresso\_data:7-13, June 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**156)-Synthesis by Pulsed Laser Ablation in Ar and SERS Activity of Silver Thin Films with Controlled Nanostructure**

S. Trusso; C. D'Andrea; F. Neri; P.M. Ossi; N. Santo

*Advanced Laser Technologies ALT 09, Antalya (Turchia), 26/09-01/10 2009*

<http://www.cnr.it/prodotto/i/267474>

info:cnr-pdr/source/autori:S. Trusso, C. D'Andrea, F. Neri, P.M. Ossi, N. Santo./congresso\_nome:Advanced Laser Technologies ALT 09/congresso\_luogo:Antalya (Turchia)/congresso\_data:26/09-01/10 2009/anno:2009/pagina\_da:/pagina\_a:/intervallo\_pagine:

**157)-Optical Properties of (CdSe)ZnS/Thermoplastic Polymer Nanocomposites**

Petrella, Andrea; Tamborra, Michela; Striccoli, Marinella; Curri, Maria Lucia; Petrella, Mario; Boghetich, Giancarlo; Petruzzelli, Domenico; Agostiano, AngelasubjectNanocrystalssubjectcore-shellsubjectthermoplastic polymersubjectnanocompositessubjectnanolithography

*9th National Conference of the Italian-Association-of-Materials-Engineering (AIMAT), pp. 313–320, Piano di Sorrento, ITALY, 2009*

[urn:isbn:978-90-474-2571-7](https://nbn-resolving.org/urn:isbn:978-90-474-2571-7)

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**158)-Enhanced Photoluminescence from Metals and Nanoimprinted Photonic Crystals**

Reboud, V.; Kehagias, N.; Striccoli, M.; Placido, T.; Panniello, A.; Curri, M. L.; Zelsmann, M.; Alducin, J. A.; Mecerreyes, D.; Newcomb, S.; Iacopino, D.; Doyle, H.; Redmond, G.; Sotomayor Torres, C. M.subjectpolymer photonic crystalssubjectnanoimprint lithographysubjectlight extractionsubjectsurface plasmon coupling

*11th International Conference on Transparent Optical Networks, pp. 1159–1162, S Miguel, PORTUGAL, JUN 28-JUL 02, 2009*

[urn:isbn:978-1-4244-4825-8](https://nbn-resolving.org/urn:isbn:978-1-4244-4825-8)

info:cnr-pdr/source/autori:Reboud, V.; Kehagias, N.; Striccoli, M.; Placido, T.; Panniello, A.; Curri, M. L.; Zelsmann, M.; Alducin, J. A.; Mecerreyes, D.; Newcomb, S.; Iacopino, D.; Doyle, H.; Redmond, G.; Sotomayor Torres, C. M./congresso\_nome:11th International Conference on Transparent Optical Networks/congresso\_luogo:S Miguel, PORTUGAL/congresso\_data:JUN 28-JUL 02, 2009/anno:2009/pagina\_da:1159/pagina\_a:1162/intervallo\_pagine:1159–1162

**159)-Give me a photon to stand on, and I will synthesise life!**

Milano, Francesco; Trotta, MassimosubjectREACTION CENTERSsubjectELECTRON-TRANSFERsubjectMEMBRANESubjectENERGYsubjectLIPOSOMESsubjectQUINONE, pp. 49–52, 2009

[urn:isbn:978-1-60692-906-3](https://nbn-resolving.org/urn:isbn:978-1-60692-906-3)

info:cnr-pdr/source/autori:Milano, Francesco; Trotta, Massimo/titolo:Give me a photon to stand on, and I will synthesise life!/titolo\_volume:/curatori\_volume:/editore:/anno:2009