

## Peer-reviewed journal articles

### 1)-Coherent effects on the Zeeman sublevels of hyperfine states at the D1 and D2 lines of Rb

Alzetta G. 1; Cartaleva S. 2; Dancheva Y. 2; Andreeva Ch. 2; Gozzini S. 3; Botti L. 1 Rossi A. 1  
SUBJECTAtomic coherenceSUBJECTcoherent populationSUBJECTOptical pumping

*Journal of optics. B, Quantum and semiclassical optics (Print)* 3 (2001): 181–188.

<https://dx.doi.org/10.1088/1464-4266/3/3/317>

### 2)-Fluidity changes in thylakoid membranes of durum wheat induced by oxidative stress: a spin probe EPR study

Calucci L. 1; Navari-Izzo F. 2; Pinzino C. 1; Sgherri C.L.M. 2  
SUBJECTThylakoidsSUBJECTmembrane fluiditySUBJECTspin probe  
EPRSUBJECToxidative stressSUBJECTfree radicals

*105 (2001): 3127–3134.*

<http://www.cnr.it/prodotto/i/39151>

info:cnr-pdr/source/autori:Calucci L. 1, Navari-Izzo F. 2, Pinzino C. 1, Sgherri C.L.M. 2/titolo:Fluidity changes in thylakoid membranes of durum wheat induced by oxidative stress: a spin probe EPR study/

### 3)-Revisiting Weyl's calculation of the gravitational pull in Bach's two-body solution

Antoci; S.; Liebscher; D.-E.; Mihich; L.SUBJECTrelatività generaleSUBJECTsoluzioni esatteSUBJECTsingolaritàSUBJECTSchwarzschild

*Classical and quantum gravity (Print)* 18 (2001): 3463–3471.

<http://www.cnr.it/prodotto/i/39156>

info:cnr-pdr/source/autori:Antoci, S., Liebscher, D.-E., Mihich, L./titolo:Revisiting Weyl's calculation of the gravitational pull in Bach's two-body solution/

### 4)-Selective determination of thiolic proteins by Hydrophobic Interaction Chromatography coupled with on-line Cold Vapour Atomic Fluorescence Spectrometry

Bramanti E.; Lucchesini S.; D'Ulivo A.; Lampugnani L.; Zamboni R.; Spinetti M.C.; Raspi G.SUBJECTproteine tiolicheSUBJECTcromatografiaSUBJECTspettrometria atomicaSUBJECTtecniche ifenate

*Journal of analytical atomic spectrometry (Print)* 16 (2001): 166–171.

<http://www.cnr.it/prodotto/i/39157>

info:cnr-pdr/source/autori:Bramanti E., Lucchesini S., D'Ulivo A., Lampugnani L., Zamboni R., Spinetti M.C., Raspi G./titolo:Selective determination of thiolic proteins by Hydrophobic Interaction Chromatography coupled with on-line Cold Vapour Atomic Fluorescence Spectrometry/

### 5)-The localization/delocalization dilemma in mixed-valence systems: a theoretical investigation on the application of the photon echo technique

Lami A. 1SUBJECTmixed-valenceSUBJECTphoton-echoSUBJECTlocaliz./delocaliz.

*Chemical physics (Print) 273 (2001): 159–167.*

<http://www.cnr.it/prodotto/i/39161>

info:cnr-pdr/source/autori:Lami A. 1/titolo:The localization/delocalization dilemma in mixed-valence systems: a theoretical investigation on the application of the photon echo technique/

**6)-Ag submonolayer structure on Pt(111) in conditions of thermodynamic equilibrium from simulation of helium scattering experiments**

Petrella G.; Cassidei L.; Ciriaco F.

<http://www.cnr.it/prodotto/i/39199>

**7)-Evaluating the magnetic anisotropy in molecular rare earth compounds. Gadolinium derivatives with semiquinone radical and diamagnetic analogues**

Caneschi A.; Dei A.; Gatteschi D.; Massa C.A.; 1; Pardi L.A.; 1; Poussereau S.; Sorace L.SUBJECTEPRSUBJECTMagneticSUBJECTSpinSUBJECTLanthanidesSUBJECTSemiquinones

*Chemical physics letters (Print) 371 (2001): 694–699.*

<http://www.cnr.it/prodotto/i/39206>

info:cnr-pdr/source/autori:Caneschi A., Dei A., Gatteschi D., Massa C.A., 1, Pardi L.A., 1, Poussereau S., Sorace L./titolo:Evaluating the magnetic anisotropy in molecular rare earth compounds. Gadolinium derivatives with semiquinone radical and diamagnetic analogues/

**8)-The combined effects of temperature and polymerization rate changes on the real-time conduction and relaxation of a liquid, and the evolution of localized motions**

Cardelli C. (1); Tombari E. (1); Johari G.P. (2)SUBJECTDIELECTRIC-RELAXATIONSUBJECTMOLECULAR-DYNAMICSSUBJECTCALORIMETRYSUBJECTMACROMOLECULES GROWTHSUBJECTTHERMOSET

*105 (2001): 11035–11043.*

<http://www.cnr.it/prodotto/i/39210>

info:cnr-pdr/source/autori:Cardelli C. (1), Tombari E. (1), Johari G.P. (2)/titolo:The combined effects of temperature and polymerization rate changes on the real-time conduction and relaxation of a liquid, and the evolution of localized motions/

**9)-Quantitative estimation of the threefold and fourfold carbon coordination in amorphous CN<sub>x</sub> films**

Trusso S. 1; Mezzasalma A.M. 2; Mondio G. 3; Neri F. 4SUBJECTCarbon NitrideSUBJECTLaser AblationSUBJECTElectronic properties

*Applied physics letters 78 (2001): 326–328.*

<http://www.cnr.it/prodotto/i/39224>

info:cnr-pdr/source/autori:Trusso S. 1, Mezzasalma A.M. 2, Mondio G. 3, Neri F. 4/titolo:Quantitative estimation of the threefold and fourfold carbon coordination in amorphous CN<sub>x</sub> films/

**10)-Different contrast mechanisms induced by topography artifacts in Near-Field Optical Microscopy**

Gucciardi P.G.; Colocci M. SUBJECT Nanomaterials SUBJECT Optics SUBJECT Spectroscopy  
*Applied physics letters* 79 (2001): 1543–1545.

<http://www.cnr.it/prodotto/i/39226>

info:cnr-pdr/source/autori:Gucciardi P.G., and Colocci M./titolo:Different contrast mechanisms induced by topography artifacts in Near-Field Optical Microscopy/

**11)-Controlled dumping of pulses of laser radiation ranging from MIR to the FIR by means of optical semiconductor switching**

Marchetti S.; Martinelli M.; Simili R.; Giorgi M.; Fantoni R. SUBJECT infrarosso SUBJECT impulsi corti SUBJECT alta potenza  
*72 (2001): 927–930.*

<http://www.cnr.it/prodotto/i/39262>

info:cnr-pdr/source/autori:Marchetti S., Martinelli M., Simili R., Giorgi M., Fantoni R./titolo:Controlled dumping of pulses of laser radiation ranging from MIR to the FIR by means of optical semiconductor switching/

**12)-Temperature Dependence of Foreign gas Broadening and Shift of the  $\alpha(9,9)$  transition line of ammonia**

Baldacchini G. 1; D'Amato F. 2; Buffa G. 3; Tarrini O. 4; M. De Rosa 5; F. Pelagalli 6 SUBJECT collisioni SUBJECT spettri SUBJECT gas  
*Journal of Quantitative Spectroscopy & Radiative Transfer* 68 (2001): 625–633.

[https://dx.doi.org/10.1016/S0022-4073\(00\)00043-1](https://dx.doi.org/10.1016/S0022-4073(00)00043-1)

**13)-Reconsidering Schwarzschild's original solution**

S. Antoci; D.-E. Liebscher SUBJECT relatività generale SUBJECT soluzioni esatte SUBJECT soluzione di Schwarzschild SUBJECT singolarità  
*Astronomische Nachrichten (Print)* 322 (2001): 137–142.

<http://www.cnr.it/prodotto/i/39435>

info:cnr-pdr/source/autori:S. Antoci, D.-E. Liebscher/titolo:Reconsidering Schwarzschild's original solution/

**14)-One thing that general relativity says about photons in matter**

S. Antoci; L. Mihich SUBJECT relatività generale SUBJECT fotoni nei dielettrici SUBJECT metodo di Gordon  
*116 (2001): 801–812.*

<http://www.cnr.it/prodotto/i/39437>

info:cnr-pdr/source/autori:S. Antoci, L. Mihich/titolo:One thing that general relativity says about photons in matter/

**15)-The effect of time-dependent random mass density field on frequencies of solar sound waves**

MURAWSKI K; NOCERA L; MEDREK MSUBJECTSun: convectionSUBJECTturbulenceSUBJECTglobal oscillationsSUBJECTRandom media  
*Astronomy & astrophysics (Print) 376 (2001): 708–712.*  
<https://dx.doi.org/10.1051/0004-6361:20011030>

**16)-Solar acoustic oscillations in a random density field**

NOCERA L; MEDREK M; MURAWSKI KSUBJECTsolar global oscillationsSUBJECTturbulent mediaSUBJECTturbulent mediaSUBJECTLandau damping  
*Astronomy & astrophysics (Print) 373 (2001): 301–306.*  
<https://dx.doi.org/10.1051/0004-6361:20010513>

**17)-Mathematical models for pulse-heating experiments**

J. Spišiak; F. Righini; G.C. Bussolino  
*International journal of thermophysics 22 (2001): 1241–1251.*  
<http://www.cnr.it/prodotto/i/39637>

info:cnr-pdr/source/autori:J. Spišiak, F. Righini, G.C. Bussolino;/titolo:Mathematical models for pulse-heating experiments/

**18)-Ten years of parameter estimation applied to dynamic thermophysical property measurements**

G. Milano; F. Scarpa; F. Righini; G.C. Bussolino  
*International journal of thermophysics 22 (2001): 1227–1240.*  
<http://www.cnr.it/prodotto/i/39638>

info:cnr-pdr/source/autori:G. Milano, F. Scarpa, F. Righini, G.C. Bussolino;/titolo:Ten years of parameter estimation applied to dynamic thermophysical property measurements/

**19)-Ab Initio Modelling of Competitive Drug-Drug Interactions: 5-Fluorouracil Dimers in the Gas Phase and in Solution.**

Alagona\* G.; Ghio C.; Monti S.SUBJECTH-bond interactionsSUBJECTstacking interactionsSUBJECTcorrelation correctionsSUBJECTBSSE, thermal correctionsSUBJECTcontinuum solvent effect  
*International journal of quantum chemistry 83 (2001): 128–142.*  
<http://www.cnr.it/prodotto/i/39680>

info:cnr-pdr/source/autori:Alagona\* G., Ghio C., Monti S./titolo:Ab Initio Modelling of Competitive Drug-Drug Interactions: 5-Fluorouracil Dimers in the Gas Phase and in Solution./

**20)-Reaction mechanisms between methylamine and a few Schiff bases: Ab initio potential energy surfaces of a catalytic step in semicarbazide sensitive amino oxidases (SSAO)**

Alagona\* G.; Ghio C.SUBJECTpyridoxalphosphateSUBJECTtopaquinoneSUBJECTbenzylamine Schiff basesSUBJECTtransamination reactionSUBJECTaminotransferase mechanism

*International journal of quantum chemistry* 84 (2001): 740–749.

<http://www.cnr.it/prodotto/i/39681>

info:cnr-pdr/source/autori:Alagona\* G., Ghio C./titolo:Reaction mechanisms between methylamine and a few Schiff bases: Ab initio potential energy surfaces of a catalytic step in semicarbazide sensitive amino oxidases (SSAO)/

**21)-Olefin Insertion into the Rhodium-Hydrogen Bond as the Step Determining the Regioselectivity of Rhodium-Catalyzed Hydroformylation of Vinyl Substrates: Comparison between Theoretical and Experimental Results**

Alagona\* G.; Ghio C.; Lazzaroni R.; Settambolo R.SUBJECTRegioselectivitySUBJECTComputational predictionSUBJECTHydroformylationSUBJECTUnmodified rhodium catalystsSUBJECTReaction mechanism

*Organometallics* 20 (2001): 5394–5404.

<http://www.cnr.it/prodotto/i/39682>

info:cnr-pdr/source/autori:Alagona\* G., Ghio C., Lazzaroni R., Settambolo R./titolo:Olefin Insertion into the Rhodium-Hydrogen Bond as the Step Determining the Regioselectivity of Rhodium-Catalyzed Hydroformylation of Vinyl Substrates: Comparison between Theoretical and Experimental Results/

**22)-Transfer of coenzyme Q0 from water to aqueous surfactant solutions: The case of Triton X-100**

Fini, Paola; Castagnolo, Maurizio; Cuocci, Corrado; Trotta, MassimoSUBJECTUbiquinoneSUBJECTTriton X-100SUBJECTmicellization equilibriumSUBJECTSetchenov constantSUBJECTpartition constantSUBJECTthermodynamic of transferSUBJECTMicellization equilibriumSUBJECTPartition constantSUBJECTSetchenov constantSUBJECTThermodynamic of transferSUBJECTTriton X-100SUBJECTUbiquinone

*Colloids and surfaces. B, Biointerfaces (Print)* 20 (2001): 27–35.

[https://dx.doi.org/10.1016/S0927-7765\(00\)00152-1](https://dx.doi.org/10.1016/S0927-7765(00)00152-1)

**23)-Electronic communication in homobimetallic anthracene-bridged  $\eta^5$ -cyclopentadienyl derivatives of rhodium(I): generation and characterization of the cation-radicals species  $[L_2Rh\{C_5H_4CH_2(9,10\text{-anthrylene})CH_2C_5H_4\}RhL_2]^+$ .**

M. Carano; M. Careri; F. Cicogna; I. D'Ambra; J. L. Houben; G. Ingrosso; M. Marcaccio; F. Paolucci; C. Pinzino; S. Roffia

*Organometallics* 20 (2001): 3478–3490.

<http://www.cnr.it/prodotto/i/39916>

info:cnr-pdr/source/autori:M. Carano, M. Careri, F. Cicogna, I. D'Ambra, J. L. Houben, G. Ingrosso, M. Marcaccio, F. Paolucci, C. Pinzino, S. Roffia/titolo:Electronic communication in homobimetallic anthracene-bridged  $\eta^5$ -cyclopentadienyl derivatives of rhodium(I): generation and characterization of the cation-radicals species  $[L_2Rh\{C_5H_4CH_2(9,10\text{-anthrylene})CH_2C_5H_4\}RhL_2]^+./$

**24)-Oxidative Reactions of “Half-sandwich” ruthenium compounds: Formation of Cationic nithosyl Ruthenium(II) derivatives**

P. Diversi; M. Fontani; M. Fuligni; F. Laschi; S. Matteoni; C. Pinzino; P. Zanello

*Journal of organic chemistry* 626 (2001): 145–156.

<http://www.cnr.it/prodotto/i/39917>

info:cnr-pdr/source/autori:P. Diversi, M. Fontani, M. Fuligni, F. Laschi, S. Matteoni, C. Pinzino, P. Zanello/titolo:Oxidative Reactions of “Half-sandwich” ruthenium compounds: Formation of Cationic nithosyl Ruthenium(II) derivatives/

**25)-Structure and Dynamics of High Molecular Weight Glutenin Subunits of Durum Wheat (Triticum durum) in Water and Alcohol Solutions Studied by Electron Paramagnetic Resonance and Circular Dichroism Spectroscopies**

L. Calucci; C. Pinzino; A. Capocchi; L. Gallechi; S. Ghiringhelli; F. Saviozzi; M. Zandomeneghi

*Journal of agricultural and food chemistry* 49 (2001): 359–365.

<http://www.cnr.it/prodotto/i/39918>

info:cnr-pdr/source/autori:L. Calucci, C. Pinzino, A. Capocchi, L. Gallechi, S. Ghiringhelli, F. Saviozzi, M. Zandomeneghi/titolo:Structure and Dynamics of High Molecular Weight Glutenin Subunits of Durum Wheat (Triticum durum) in Water and Alcohol Solutions Studied by Electron Paramagnetic Resonance and Circular Dichroism Spectroscopies/

**26)-Influence of magma dynamics on melt structure: spectroscopic studies on volcanic glasses from the Cretaceous tephra of Ischia (Italy)**

R. Petrini; C. Forte; G. Orsi; M. Piochi; C. Pinzino; G. Pedrazzi

*Contributions to mineralogy and petrology* 140 (2001): 532–542.

<http://www.cnr.it/prodotto/i/39919>

info:cnr-pdr/source/autori:R. Petrini, C. Forte, G. Orsi, M. Piochi, C. Pinzino, G. Pedrazzi/titolo:Influence of magma dynamics on melt structure: spectroscopic studies on volcanic glasses from the Cretaceous tephra of Ischia (Italy)/

**27)-Absorption and electroabsorption spectra of [(NH<sub>3</sub>)<sub>5</sub>Ru-pyrazine]<sup>+2</sup> and [(NH<sub>3</sub>)<sub>5</sub>Ru-pyrazine-H]<sup>+3</sup> by vibronic model Hamiltonian**

Ferretti A.; Improta R.; Lami A.; Villani

G.SUBJECTabsorptionSUBJECTelectroabsorptionSUBJECTvibronic

hamiltonianSUBJECTRu complexes

*PCCP. Physical chemistry chemical physics (Print)* 3 (2001): 2576–2580.

<http://www.cnr.it/prodotto/i/39939>

info:cnr-pdr/source/autori:Ferretti A., Improta R., Lami A., Villani G./titolo:Absorption and electroabsorption spectra of [(NH<sub>3</sub>)<sub>5</sub>Ru-pyrazine]<sup>+2</sup> and [(NH<sub>3</sub>)<sub>5</sub>Ru-pyrazine-H]<sup>+3</sup> by vibronic model Hamiltonian/

**28)-A screened static-exchange potential for core electron excitations**

V. Carravetta; O. Plashkevych; Hans AgrenSUBJECTtheorySUBJECTcomputational chemistrySUBJECTcore excitationSUBJECTNEXAFSSUBJECTXAS  
*Chemical physics (Print)* 263 (2001): 231–242.

<http://www.cnr.it/prodotto/i/39940>

info:cnr-pdr/source/autori:V. Carravetta, O. Plashkevych and Hans Agren/titolo:A screened static-exchange potential for core electron excitations/

**29)-Gas-phase experimental and theoretical near edge X-ray absorption fine structure study of 2-mercaptobenzothiazole**

G. Contini; V. Carravetta; V. Di-Castro; S. Stranges; R. Richter; M. AlagiaSUBJECTtheorySUBJECTexperimentSUBJECTNEXAFSSUBJECTXASSUBJECT2-mercaptobenzothiazole

*The journal of physical chemistry. A* 105 (2001): 7308–7314.

<https://dx.doi.org/10.1021/jp010865e>

**30)-Dynamical suppression of atomic peaks in resonant dissociative photoemission**

P. Salek; V. Carravetta; FK Gel'mukhanov; H. Agren; B. Schimmelpfennig; MN Piancastelli L. Sorensen; R. Feifel; I. Hjelte; M. Bassler; S. Svensson; O. Bjorneholm; A. de-BritoSUBJECTtheorySUBJECTresonant Auger decaySUBJECTHFSUBJECTdissociationSUBJECTatomic peaks

*Chemical physics letters (Print)* 343 (2001): 332–338.

<http://www.cnr.it/prodotto/i/39942>

info:cnr-pdr/source/autori:P. Salek, V. Carravetta, FK Gel'mukhanov, H. Agren, B. Schimmelpfennig, MN Piancastelli L. Sorensen, R. Feifel, I. Hjelte, M. Bassler, S. Svensson, O. Bjorneholm, A. de-Brito/titolo:Dynamical suppression of atomic peaks in resonant dissociative photoemission/

**31)-Photoelectron spectroscopy (PES) study of gas-phase 2,5-(2,2'-dithienyl)diethynylthiophene (TRIM): an experimental and theoretical study**

G. Polzonetti; V. Carravetta; A. Ferri; P. Altamura; M. Alagia; R. Richter; M.V. RussoSUBJECTexperimentSUBJECTtheorySUBJECTXPSSUBJECT2,5-(2,2'-dithienyl)diethynylthiophene

*Chemical physics letters (Print)* 340 (2001): 449–457.

<http://www.cnr.it/prodotto/i/39943>

info:cnr-pdr/source/autori:G. Polzonetti, V. Carravetta, A. Ferri, P. Altamura, M. Alagia, R. Richter, and M.V. Russo/titolo:Photoelectron spectroscopy (PES) study of gas-phase 2,5-(2,2'-dithienyl)diethynylthiophene (TRIM): an experimental and theoretical study/

**32)-An investigation of the electronic and structural properties of pulsed laser-deposited a-C films**

Neri F; Mondio G; Mezzasalma AM; Fazio E; Trusso S; Fazio B

*Thin solid films (Print)* 398 (2001): 233–237.

<http://www.cnr.it/prodotto/i/40305>

info:cnr-pdr/source/autori:Neri F, Mondio G, Mezzasalma AM, Fazio E, Trusso S, Fazio B/titolo:An investigation of the electronic and structural properties of pulsed laser-deposited a-C films/

**33)-The Cotton-Mouton effect of gaseous CO<sub>2</sub>, N<sub>2</sub>O, OCS and CS<sub>2</sub>. A Cubic Response MCSCF study**

Jonsson, D.; Norman, P.; Ågren, H.; Rizzo, A.; Coriani, S.; Ruud, K.

*114 (2001): 8372–8381.*

<http://www.cnr.it/prodotto/i/40328>

info:cnr-pdr/source/autori:Jonsson, D.; Norman, P.; Ågren, H.; Rizzo, A.; Coriani, S.; Ruud, K./titolo:The Cotton-Mouton effect of gaseous CO<sub>2</sub>, N<sub>2</sub>O, OCS and CS<sub>2</sub>. A Cubic Response MCSCF study/

**34)-Coupled Cluster calculation of dispersion contributions to interaction energies and polarizabilities.**

Jaszunski, M.; Rizzo, A.; Jørgensen, P.

*116 (2001): 251–258.*

<http://www.cnr.it/prodotto/i/40329>

info:cnr-pdr/source/autori:Jaszunski, M.; Rizzo, A.; Jørgensen, P./titolo:Coupled Cluster calculation of dispersion contributions to interaction energies and polarizabilities./

**35)-The Cotton-Mouton effect of gaseous N<sub>2</sub>, CO, CO<sub>2</sub>, N<sub>2</sub>O, OCS and CS<sub>2</sub>: a density functional approach to high-order mixed electric and magnetic properties**

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

*Chemical physics letters (Print) 346 (2001): 251–258.*

<http://www.cnr.it/prodotto/i/40330>

info:cnr-pdr/source/autori:Cappelli, C.; Mennucci, B.; Tomasi, J.; Cammi, R.; Rizzo, A./titolo:The Cotton-Mouton effect of gaseous N<sub>2</sub>, CO, CO<sub>2</sub>, N<sub>2</sub>O, OCS and CS<sub>2</sub>: a density functional approach to high-order mixed electric and magnetic properties/

**36)-Scaling of local density correlations in a fluid close to freezing**

Saija, F.; Prestipino, S.; Giaquinta, PV

*The Journal of chemical physics 115 (2001): 7586–7591.*

<https://dx.doi.org/10.1063/1.1406528>

**37)-Short length-scale dynamics of polyisobutylene by molecular**

Karatasos K.; Saija F.; Ryckaert JP

*Physica. B + C (Online) 301 (2001): 119–125.*

[https://dx.doi.org/10.1016/S0921-4526\(01\)00522-1](https://dx.doi.org/10.1016/S0921-4526(01)00522-1)

**38)-Volumetric properties of (an organic compound + di-n-butyl ether) at 298.15K**

Bernazzani L.; Ceccanti N.; Conti, G.; Gianni P.; Mollica V.; Tinè M.R.; Lepori L.; Matteoli E.; Spanedda A.

*Journal of Chemical Thermodynamics* 33 (2001): 629–641.

<http://www.cnr.it/prodotto/i/40528>

info:cnr-pdr/source/autori:Bernazzani L., Ceccanti N., Conti. G, Gianni P., Mollica V., Tinè M.R., Lepori L., Matteoli E., Spanedda A./titolo:Volumetric properties of (an organic compound + di-n-butyl ether) at 298.15K/

**39)-Dielectric relaxation and the conformer equilibrium in the liquid and glassy states of b-D-fructose**

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

*Journal of molecular structure (Print)* 559 (2001): 245–254.

<http://www.cnr.it/prodotto/i/40603>

info:cnr-pdr/source/autori:Tombari E., Cardelli C., Salvetti G., Johari G.P./titolo:Dielectric relaxation and the conformer equilibrium in the liquid and glassy states of b-D-fructose/

**40)-Free space excitation of novel “fractional” whispering gallery mode dielectric resonators**

Annino G.; Cassettari M.; Martinelli M.

*Applied magnetic resonance* (2001).

<http://www.cnr.it/prodotto/i/40651>

info:cnr-pdr/source/autori:Annino G., Cassettari M., Martinelli M./titolo:Free space excitation of novel “fractional” whispering gallery mode dielectric resonators/

**41)-Complex response function of whispering gallery dielectric resonators**

Annino G.; Cassettari M.; Fittipaldi M.; Martinelli M.

*International journal of infrared and millimeter waves* (2001).

<http://www.cnr.it/prodotto/i/40652>

info:cnr-pdr/source/autori:Annino G., Cassettari M., Fittipaldi M., Martinelli M./titolo:Complex response function of whispering gallery dielectric resonators/

**42)-Sucrose solutions as prospective medium to study the vesicle structure: SAXS and SANS study**

Kiselev M.A.; Lesieur O.; Kiselev A.M.; Lombardo D.; Killany M.; Lesieur S.

*Journal of alloys and compounds* 328 (2001): 71–76.

<http://www.cnr.it/prodotto/i/40665>

info:cnr-pdr/source/autori:Kiselev M.A.; Lesieur O.; Kiselev A.M.; Lombardo D.; Killany M.; Lesieur S./titolo:Sucrose solutions as prospective medium to study the vesicle structure: SAXS and SANS study/

**43)-Glass and percolation transitions in dense attractive micellar system**

Mallamace F.; Beneduci R.; Gambadauro P.; Lombardo D.; Chen S.H.

*Physica. A (Print)* 302 (2001): 202–219.

<http://www.cnr.it/prodotto/i/40666>

info:cnr-pdr/source/autori:Mallamace F.; Beneduci R.; Gambadauro P.; Lombardo D.; Chen S.H./titolo:Glass and percolation transitions in dense attractive micellar system/

**44)-A sucrose solutions application to the study of model biological membranes**

Kiselev M.A.; Lesieur P.; Kisselev A.M.; Lombardo D.; Killany M.; Lesieur S.; Ollivon M.  
*NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT* 470 (2001): 409–416.

<http://www.cnr.it/prodotto/i/40667>

info:cnr-pdr/source/autori:Kiselev M.A.; Lesieur P.; Kisselev A.M.; Lombardo D.; Killany M.; Lesieur S.; Ollivon M./titolo:A sucrose solutions application to the study of model biological membranes/

**45)-Diffusive dynamics of water in the presence of homologous disaccharides: a comparative study by Quasi Elastic Neutron Scattering.IV.**

S. Magazù; V. Villari; P. Migliardo; G. Maisano; M.T.F. Telling  
*The journal of physical chemistry. B* 105 (2001): 1851–1855.

<https://dx.doi.org/10.1021/jp002155z>

**46)-Separation of scattering and absorption contributions in UV/visible spectra of resonant systems**

N. Micali; F. Mallamace; M. Castriciano; A. Romeo; L.M. Scolaro  
*Analytical chemistry (Wash.)* 73 (2001): 4958–4963.

<http://www.cnr.it/prodotto/i/40824>

info:cnr-pdr/source/autori:N. Micali, F. Mallamace, M. Castriciano, A. Romeo, L.M. Scolaro/titolo:Separation of scattering and absorption contributions in UV/visible spectra of resonant systems/

**47)-Chemical and Isotopic compositions of water and dissolved sulfate from shallow wells on Vulcano Island, Aeolian Archipelago, Italy**

Cortecchi G.; Dinelli E.; Bolognesi L.; Boschetti T.; Ferrara G.  
SUBJECTGeochemistrySUBJECTSulfur isotopesSUBJECTWell watersSUBJECTVulcano IslandSUBJECTItaly  
*Geothermics* 30 (2001): 69–91.

[https://dx.doi.org/10.1016/S0375-6505\(00\)00037-7](https://dx.doi.org/10.1016/S0375-6505(00)00037-7)

**48)-Le mille vite degli organismi fotosintetici**

A. Agostiano; L. Giotta; M. Trotta  
*Sapere (Bari)* 67 (2001): 96–101.

<http://www.cnr.it/prodotto/i/66405>

info:cnr-pdr/source/autori:A. Agostiano, L. Giotta, M. Trotta/titolo:Le mille vite degli organismi fotosintetici/

**49)-La molecola che conquistò il mondo**

M. Trotta e L. Debellis

*Villaggio globale (Testo stamp.)* 15 (2001): 11–19.

<http://www.cnr.it/prodotto/i/66406>

info:cnr-pdr/source/autori:M. Trotta e L. Debellis/titolo:La molecola che conquistò il mondo/

**50)-The electric-field-gradient-induced birefringence and the determination of molecular quadrupole moments**

Coriani, S.; Halkier, A.; Rizzo, A.

*2* (2001): 1–21.

<http://www.cnr.it/prodotto/i/66441>

info:cnr-pdr/source/autori:Coriani, S.; Halkier, A.; Rizzo, A./titolo:The electric-field-gradient-induced birefringence and the determination of molecular quadrupole moments/

**51)-Memory effects in MOS capacitors with silicon quantum dots**

Crupi I; Lombardo S; Spinella C; Gerardi C; Fazio B; Vulpio M; Melanotte M; Liao Y; Bongiorno C

*Materials science & engineering. C, Biomimetic materials, sensors and systems (Print)* 15 (2001): 283–285.

[https://dx.doi.org/10.1016/S0928-4931\(01\)00220-X](https://dx.doi.org/10.1016/S0928-4931(01)00220-X)

**52)-Electrical and structural characterization of metal-oxide-semiconductor capacitors with silicon rich oxide**

Crupi I; Lombardo S; Spinella C; Bongiorno C; Liao Y; Gerardi C; Fazio B; Vulpio M; Privitera S

*Journal of applied physics* 89 (2001): 5552–5558.

<http://www.cnr.it/prodotto/i/170764>

info:cnr-pdr/source/autori:Crupi I, Lombardo S, Spinella C, Bongiorno C, Liao Y, Gerardi C, Fazio B, Vulpio M, Privitera S/titolo:Electrical and structural characterization of metal-oxide-semiconductor capacitors with silicon rich oxide/

**53)-CdS nanocrystals from a quaternary water-in-oil microemulsion: preparation and characterization of self-assembled layers**

Curri M. L.(1); Leo G. (2); Alvisi M. (3); Agostiano A. (1); Della Monica M. (1); Vasanelli L. (2)SUBJECTCdS quantum dotSUBJECTmicelle inverseSUBJECTSTMSUBJECTSelf-assembling monolayer

*Journal of colloid and interface science (Print)* 243 (2001): 165–170.

<http://www.cnr.it/prodotto/i/171409>

info:cnr-pdr/source/autori:Curri M. L.(1), Leo G. (2), Alvisi M. (3), Agostiano A. (1), Della Monica M. (1), Vasanelli L. (2)/titolo:CdS nanocrystals from a quaternary water-in-oil microemulsion: preparation and characterization of self-assembled layers/

**54)-Synchrotron radiation photoemission study of some p-conjugated alkynes in the gas phase: Experiment and theory**

V. Carravetta; G. Iucci; A. Ferri; M.V. Russo; S. Stranges; M. de Simone; G. Polzonetti  
*Chemical physics (Print)* 264 (2001): 175–186.

[https://dx.doi.org/10.1016/S0301-0104\(00\)00396-7](https://dx.doi.org/10.1016/S0301-0104(00)00396-7)

**55)-Quasielastic neutron scattering study on disaccharide aqueous solutions**

Magazù; S.; Villari; V.; Migliardo; P.; Maisano; G.; Telling; M.T.F.; Middendorf; H.D.  
*Physica. B, Condensed matter (Print)* 301 (2001): 130–133.

[https://dx.doi.org/10.1016/S0921-4526\(01\)00524-5](https://dx.doi.org/10.1016/S0921-4526(01)00524-5)

**56)-Hydroxyl end groups influence in vibrational and transport properties in polymer/monomer solutions: the PEO/EG case**

Crupi; V.; Faraone; A.; Majolino; D.; Migliardo; P.; Venuti; V.; Villari; V.  
*Molecular physics (Print)* 99 (2001): 1525–1533.

<http://www.cnr.it/prodotto/i/209329>

info:cnr-pdr/source/autori:Crupi, V., Faraone, A., Majolino, D., Migliardo, P., Venuti, V., Villari, V./titolo:Hydroxyl end groups influence in vibrational and transport properties in polymer/monomer solutions: the PEO/EG case/

**57)-Vertical coupling effects in arrays of InAs quantum dots**

Taddei, S.; Colocci, M.; Vinattieri, A.; Gucciardi, P.G.; Bogani, F.; Franchi, S.; Frigeri, P.; Lazzarini, L.; Salviati, G.SUBJECTDETERMINISTIC NUMERICAL-METHODSSUBJECTELECTRONIC-STRUCTURESUBJECTSTRAIN DISTRIBUTIONSUBJECTGROWTHSUBJECTPATTERNS  
*Physica status solidi. B, Basic research* 224 (2001): 413–417.

[https://dx.doi.org/10.1002/1521-3951\(200103\)224:2<413::AID-PSSB413>3.3.CO;2-Y](https://dx.doi.org/10.1002/1521-3951(200103)224:2<413::AID-PSSB413>3.3.CO;2-Y)

**58)-Near-field optical spectroscopy of multiple stacked planes of GaN/AlN quantum dots**

Gucciardi, P.G.; Vinattieri, A.; Colocci, M.; Damilano, B.; Grandjean, N.; Semond, F.; Massies, J.

*Physica status solidi. B, Basic research* 224 (2001): 53–56.

<http://www.cnr.it/prodotto/i/216119>

info:cnr-pdr/source/autori:Gucciardi, P.G.; Vinattieri, A.; Colocci, M.; Damilano, B.; Grandjean, N.; Semond, F.; Massies, J./titolo:Near-field optical spectroscopy of multiple stacked planes of GaN/AlN quantum dots/

**59)-Photoluminescence properties of multiple stacked planes of GaN/AlN quantum dots studied by near-field optical microscopy**

Gucciardi, P.G.; Vinattieri, A.; Colocci, M.; Damilano, B.; Grandjean, N.; Semond, F.; Massies, J.

*Journal of microscopy (Print)* 202 (2001): 212–217.

<http://www.cnr.it/prodotto/i/216128>

info:cnr-pdr/source/autori:Gucciardi, P.G.; Vinattieri, A.; Colocci, M.; Damilano, B.; Grandjean, N.; Semond, F.; Massies, J./titolo:Photoluminescence properties of multiple stacked planes of GaN/AlN quantum dots studied by near-field optical microscopy/

**60)-Temperature dependence of damping and frequency shifts of the scissors mode of a trapped Bose-Einstein condensate**

Onofrio Marago'; Gerald Hechenblaikner; Eleanor Hodby; Christopher Foot

*Physical review letters* 86 (2001): 3938–3941.

<https://dx.doi.org/10.1103/PhysRevLett.86.3938>

**61)-Experimental observation of Beliaev coupling in a Bose-Einstein condensate**

E. Hodby; O.M. Marago'; G. Hechenblaikner; C. J. Foot

*Physical review letters* 86 (2001): 2196–2199.

<https://dx.doi.org/10.1103/PhysRevLett.86.2196>

**62)-Surface nematic order induced by silane derivatives studied by second harmonic generation**

Silvia Soria; Dagmar Schumacher; Gerd Marowsky; Riccardo Barberi; Federica Ciuchi; Theo RasingSUBJECTsecond harmonic generationSUBJECTnematic liquid crystalsSUBJECTsilanes

*Molecular crystals and liquid crystal (Online : Phila. Pa. : 2003) 372 (2001): 291–303.*

<http://www.cnr.it/prodotto/i/220261>

info:cnr-pdr/source/autori:Silvia Soria, Dagmar Schumacher, Gerd Marowsky, Riccardo Barberi, Federica Ciuchi, Theo Rasing/titolo:Surface nematic order induced by silane derivatives studied by second harmonic generation/

**63)-Transient photoinduced current in dye-doped polymer and polymer-dispersed liquid crystals**

CIPPARRONE G; MAZZULLA A; PAGLIUSI P; SUKHOV AV; USHAKOV RFSUBJECTphotorefractive effectSUBJECTdyesSUBJECTliquid crystals

*Journal of the Optical Society of America. B, Optical physics* 18 (2001): 182–186.

<https://dx.doi.org/10.1364/JOSAB.18.000182>

**64)-Optical determination of flexoelectric coefficients and surface polarization in a hybrid aligned nematic cell**

MAZZULLA A; CIUCHI F; SAMBLES JRSUBJECTflexoelectric coefficientsSUBJECTnematic liquid crystals

*Physical review. E, Statistical, nonlinear, and soft matter physics (Print)* 64 (2001): 021708.

<http://www.cnr.it/prodotto/i/219009>

info:cnr-pdr/source/autori:MAZZULLA A; CIUCHI F; SAMBLES JR/titolo:Optical determination of flexoelectric coefficients and surface polarization in a hybrid aligned nematic cell/

**65)-Investigation of photorefractive effect in dye doped PDLC: TBC experiments and photoinduced currents measurements**

CIPPARRONE G; MAZZULLA A; PAGLIUSI P; SIMONI F; SUKHOV AV  
SUBJECTDISPERSED LIQUID-CRYSTALS; GRATINGS

*Molecular crystals and liquid crystals science and technology. Section A, Molecular crystals and liquid crystals* 359 (2001): 439–449.

<http://www.cnr.it/prodotto/i/219014>

info:cnr-pdr/source/autori:CIPPARRONE G; MAZZULLA A; PAGLIUSI P; SIMONI F; SUKHOV AV/titolo:Investigation of photorefractive effect in dye doped PDLC: TBC experiments and photoinduced currents measurements/

**66)-Diffraction gratings in polymer-dispersed liquid crystals recorded by means of polarization holographic technique**

CIPPARRONE G; MAZZULLA A; RUSSO G  
SUBJECTFILMS; ANISOTROPY; DYE

*Applied physics letters* 78 (2001): 1186–1189.

<https://dx.doi.org/10.1063/1.1349867>

**67)-Diffraction from holographic gratings in polymer-dispersed liquid crystals recorded by means of polarization light patterns**

CIPPARRONE G; MAZZULLA A; RUSSO G  
SUBJECTFILMS; ANISOTROPY; DYE

*Journal of the Optical Society of America. B, Optical physics* 18 (2001): 1821–1826.

<https://dx.doi.org/10.1364/JOSAB.18.001821>

**68)-Probing alignment of liquid crystals on silane derivatives by second harmonic generation**

Silvia Soria; Dagmar Schumacher; Gerd Marowsky; Riccardo Barberi; Federica Ciuchi; Steffen Paus; Theo Rasing  
SUBJECTOptical second harmonic generation  
SUBJECTpolymersSUBJECTthin filmsSUBJECTsurfaces

*International journal of nonlinear optical physics* 10 (2001): 133–142.

<http://www.cnr.it/prodotto/i/220531>

info:cnr-pdr/source/autori:Silvia Soria, Dagmar Schumacher, Gerd Marowsky, Riccardo Barberi, Federica Ciuchi, Steffen Paus, Theo Rasing/titolo:Probing alignment of liquid crystals on silane derivatives by second harmonic generation/

**69)-Charge Dynamics of 2H-TaSe<sub>2</sub> along the Less-Conducting c-Axis**

B. Ruzicka; L. Degiorgi  
H. Berger; R. Gaál; L. Forró  
SUBJECTNORMAL-STATES  
SUBJECTSUPERCONDUCTIVITY

*Physical review letters (Print)* 86 (2001): 4136–4139.

<https://dx.doi.org/10.1103/PhysRevLett86.4136>

**70)-The K-SAT problem in a simple limit**

Leuzzi L  
Parisi G  
SUBJECTNP complete  
SUBJECTK-SAT problem  
SUBJECTReplica Symmetry Breaking

*Journal of statistical physics* 103 (2001): 679–695.

<https://dx.doi.org/10.1023/A:1010388300998>

**71)-In-layer conductivity and photoconductivity in MnPSe<sub>3</sub>, CdPSe<sub>3</sub>, and CdPS<sub>3</sub>**

A Carnabuci; V Grasso; L Silipigni; G Salvato  
SUBJECTPHYSICAL-PROPERTIES;  
OPTICAL-SPECTRA; NIPS<sub>3</sub>; TRANSITION; CRYSTALS; CD<sub>2</sub>P<sub>2</sub>S<sub>6</sub>; PHASE

*Journal of applied physics* 90 (2001): 4526–4531.

<https://dx.doi.org/10.1063/1.1406545>

**72)-Pulsed Laser Deposition of Hydroxyapatite Films by KrF Excimer**

G. Di Marco; L. Torrisi; S. Trusso; P. Parisi

*Physica medica (Online)* XVII (2001): 227–231.

<http://www.cnr.it/prodotto/i/248946>

info:cnr-pdr/source/autori:G. Di Marco, L. Torrisi, S. Trusso, P. Parisi/titolo:Pulsed Laser Deposition of Hydroxyapatite Films by KrF Excimer/

**73)-Dynamics of segmental relaxations for cyanurate containing semi-interpenetrating polymer networks**

A. Bartolotta; G. Di Marco; F. Farsaci

*Atti della Accademia Peloritana dei Pericolanti, Classe di Scienze Medico-Biologiche* LXXIX (2001).

<http://www.cnr.it/prodotto/i/248949>

info:cnr-pdr/source/autori:A. Bartolotta, G. Di Marco, F. Farsaci/titolo:Dynamics of segmental relaxations for cyanurate containing semi-interpenetrating polymer networks/

**74)-Effective temperatures in an exactly solvable model for a fragile glass**

Leuzzi, L; Nieuwenhuizen, TMSUBJECTEffective temperatureSUBJECTfragile glassSUBJECTagingSUBJECTglassy dynamicsSUBJECTKauzmann transition

*Physical review. E, Statistical physics, plasmas, fluids, and related interdisciplinary topics* 64 (2001): 011508.

<https://dx.doi.org/10.1103/PhysRevE.64.011508>

**75)-Inherent structures in models for fragile and strong glass**

Leuzzi, L; Nieuwenhuizen, TMSUBJECTSPIN-GLASS; SUPERCOOLED LIQUIDS; ENERGY LANDSCAPE; PHASE TRANSITION; GLASSY STATE

*Physical review. E, Statistical, nonlinear, and soft matter physics (Print)* 64 (2001): 066125.

<https://dx.doi.org/10.1103/PhysRevE.64.066125>

**76)-Characterization of pulsed laser deposited a-C films by means of reflection electron energy loss spectroscopy**

Barreca; F.; Mezzasalma; A.M.; Mondio; G.; Neri; F.; Trusso; S.

*Thin solid films (Print)* 398-399 (2001): 228–232.

[https://dx.doi.org/10.1016/S0040-6090\(01\)01449-3](https://dx.doi.org/10.1016/S0040-6090(01)01449-3)

**77)-Mechanism of Protonation of [Pt<sub>3</sub>(μ-PBu<sup>t</sup><sub>2</sub>)<sub>3</sub>(H)(CO)<sub>2</sub>] Yielding the Hydride-Bridged [Pt<sub>3</sub>(μ-PBu<sup>t</sup><sub>2</sub>)<sub>2</sub>(μ-H)(PBu<sup>t</sup><sub>2</sub>H)(CO)<sub>2</sub>]CF<sub>3</sub>SO<sub>3</sub> and the Spectroscopic and Theoretical Characterization of a Kinetic Intermediate**

FORTUNELLI A. and LEONI P and PASQUALI M and SBRANA M and SELMI M

*Inorganic chemistry* 40 (2001): 3055–3060.

<https://dx.doi.org/10.1021/ic001309m>

**78)-Symmetrized mean-field description of magnetic instabilities in kappa-(BEDT-TTF)<sub>2</sub>Cu[N(CN)<sub>2</sub>]Y salts**

PAINELLI A and GIRLANDO A and FORTUNELLI A.

*Physical review. B, Condensed matter and materials physics* 64 (2001): 054509.

<https://dx.doi.org/10.1103/PhysRevB.64.054509>

**79)-Enantioselective alternating terpolymerization of propene and ethene with carbon monoxide**

Sesto, B; Bronco, S; Gindro, EL; Consiglio, G

*Macromolecular chemistry and physics (Print)* 20 (2001): 2059–2064.

[https://dx.doi.org/10.1002/1521-3935\(20010601\)202:10<2059::AID-MACP2059>3.0.CO;2-K](https://dx.doi.org/10.1002/1521-3935(20010601)202:10<2059::AID-MACP2059>3.0.CO;2-K)

**80)-Porous interstellar grains**

M.A. Iatì; C. Cecchi-Pestellini; D.A. Williams; F. Borghese; P. Denti; R. Saija; S. AielloSUBJECTISM: abundances - dustSUBJECTextinction

*Monthly notices of the Royal Astronomical Society (Print)* 322 (2001): 749–756.

<https://dx.doi.org/10.1046/j.1365-8711.2001.04166.x>

**81)-Optical properties of a dispersion of anisotropic particles with non-randomly distributed orientations. The case of atmospheric ice crystals.**

F. Borghese; P. Denti; R. Saija; M.A. Iatì; O. I. SindoniSUBJECToptical propertiesSUBJECTatmospheric ice crystals

*Journal of Quantitative Spectroscopy & Radiative Transfer* 70 (2001): 237–251.

<http://www.cnr.it/prodotto/i/256744>

info:cnr-pdr/source/autori:F. Borghese, P. Denti, R. Saija, M.A. Iatì, O. I. Sindoni/titolo:Optical properties of a dispersion of anisotropic particles with non-randomly distributed orientations. The case of atmospheric ice crystals./

**82)-Beyond Mie Theory: the Transition Matrix Approach in Interstellar Dust Modeling**

R. Saija; M.A. Iatì; F. Borghese; P. Denti; S. Aiello; C. Cecchi-PestelliniSUBJECTdustSUBJECTextinctionSUBJECTradiative transferSUBJECTscattering

*The Astrophysical journal* 559 (2001): 993–1004.

<https://dx.doi.org/10.1086/322350>

**83)-Backscattered intensity from model atmospheric ice crystals in the millimeter wave range**

R. Saija; M.A. Iatì; P. Denti; F. Borghese; O. I. SindoniSUBJECTlight scattering

*Applied optics-OT 40 (2001): 5337–5342.*

<http://www.cnr.it/prodotto/i/260258>

info:cnr-pdr/source/autori:R. Saija, M.A. Iatì, P. Denti, F. Borghese, O. I. Sindoni/titolo:Backscattered intensity from model atmospheric ice crystals in the millimeter wave range/

=====

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

### 1)-La chiave del mondo. Dalla filosofia alla scienza: l'onnipotenza delle molecole

Villani G.

2001

<http://www.cnr.it/prodotto/i/137201>

info:cnr-pdr/source/autori:Villani G./titolo:La chiave del mondo. Dalla filosofia alla scienza: l'onnipotenza delle molecole/editore:/anno:2001

### 2)-Optical Constants from reflection electron energy loss spectroscopy: theory and applications

Trusso S.; Mondio G.; Mezzasalma A.M.; Neri F.; Barreca F.

. *Trivandrum: Transworld Research Network, 2001*

<http://www.cnr.it/prodotto/i/137206>

info:cnr-pdr/source/autori:Trusso S., Mondio G., Mezzasalma A.M., Neri F., Barreca F./titolo:Optical Constants from reflection electron energy loss spectroscopy: theory and applications/titolo\_volume:/curatori\_volume:/editore:

/anno:2001

### 3)-Pulsed laser deposition of silicon and carbon based thin films

Trusso S.; Neri F.; Barreca F.; Vasi C.; Fazio E.

. *Trivandrum: Transworld Research Network, 2001*

<http://www.cnr.it/prodotto/i/137207>

info:cnr-pdr/source/autori:Trusso S., Neri F., Barreca F., Vasi C., Fazio E./titolo:Pulsed laser deposition of silicon and carbon based thin films/titolo\_volume:/curatori\_volume:/editore:

/anno:2001

### 4)-Diode laser overtone spectroscopy of atmospheric trace gases

Lucchesini A.; Gozzini S.SUBJECTSpettroscopia mol.SUBJECTDiodi laserSUBJECTModulazione di freq.SUBJECTMonitoraggio amb.SUBJECTOvertone

. *Trivandrum: Transworld Research Network, 2001*

<http://www.cnr.it/prodotto/i/137212>

info:cnr-pdr/source/autori:Lucchesini A., Gozzini S./titolo:Diode laser overtone spectroscopy of atmospheric trace gases/titolo\_volume:/curatori\_volume:/editore:

/anno:2001

**5)-Drug Delivery by Biodegradable Poly(Ester-Ether-Ester)s: a Tentative Theoretical Evaluation of the Interactions between Drug and Macromolecular Matrix**

Alagona G.(1); Ghio C.(1); Monti S.(1); Guerra G.D.(2); Maltinti S.(3)

, 2001

<http://www.cnr.it/prodotto/i/137248>

info:cnr-pdr/source/autori:Alagona G.(1), Ghio C.(1), Monti S.(1), Guerra G.D.(2), Maltinti S.(3)/titolo:Drug Delivery by Biodegradable Poly(Ester-Ether-Ester)s: a Tentative Theoretical Evaluation of the Interactions between Drug and Macromolecular Matrix/titolo\_volume:/curatori\_volume:/editore:/anno:2001

**6)-PERSPECTIVES OF INTERPENETRATING POLYMER NETWORKS IN BIOMECHANICAL APPLICATIONS**

G. Di Marco; A. Bartolotta; M. Lanza

2001

<http://www.cnr.it/prodotto/i/137275>

info:cnr-pdr/source/autori:G. Di Marco, A. Bartolotta, M. Lanza/titolo:PERSPECTIVES OF INTERPENETRATING POLYMER NETWORKS IN BIOMECHANICAL APPLICATIONS/editore:/anno:2001

**7)-AN OPTICAL OXYGEN SENSOR BASED ON QUENCHING OF Ru(II) COMPLEX IMMOBILIZED IN A POLYMERIC MATRIX FOR BIOSENSING**

G. Di Marco; A. Bartolotta; G. Calogero; M. Lanza

2001

<http://www.cnr.it/prodotto/i/137276>

info:cnr-pdr/source/autori:G. Di Marco, A. Bartolotta, G. Calogero, M. Lanza/titolo:AN OPTICAL OXYGEN SENSOR BASED ON QUENCHING OF Ru(II) COMPLEX IMMOBILIZED IN A POLYMERIC MATRIX FOR BIOSENSING/editore:/anno:2001

### **8)-Atoms, Molecules and Quantum Dots in Laser Fields: Fundamental Processes**

Bloembergen, N.; Rahman, N.; Rizzo, A.

2001

<http://www.cnr.it/prodotto/i/137284>

info:cnr-pdr/source/autori:Bloembergen, N.; Rahman, N.; Rizzo, A./titolo:Atoms, Molecules and Quantum Dots in Laser Fields: Fundamental Processes/editore:/anno:2001

### **9)-Cleaning Composition**

Chiaradonna G.;

*Eur. Pat. EP1094106, PCT, WO 01/29165; . AU1212901*

<http://www.cnr.it/prodotto/i/144969>

### **10)-Radical Scavenger**

Chiaradonna G.;

*EP1094057; WO01/28973; AU8028700*

<http://www.cnr.it/prodotto/i/144995>

### **11)-Dispositivo diffrattivo per applicazioni polarimetriche ed interferometriche e suo impiego**

G. Cipparrone;

*1330530, Nazionale*

<http://www.cnr.it/prodotto/i/220878>

### **12)-Optical investigation of flexoelectric coefficients and surface polarization in a hybrid aligned nematic cell**

MAZZULLA A; CIUCHI F; SAMBLES JR

*Optics on Liquid Crystals 2001, Sorrento (NA), ottobre 2001*

<http://www.cnr.it/prodotto/i/221636>

info:cnr-pdr/source/autori:MAZZULLA A, CIUCHI F, SAMBLES JR/congresso\_nome:Optics on Liquid Crystals 2001/congresso\_luogo:Sorrento (NA)/congresso\_data:ottobre 2001/anno:2001/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **13)-Permanent polarization gratings in Langmuir-Blodgett films**

CIPPARRONE G; MAZZULLA A; BLINOV LM

*Optics on Liquid Crystals 2001, Sorrento (NA), ottobre 2001*

<http://www.cnr.it/prodotto/i/221645>

info:cnr-pdr/source/autori:CIPPARRONE G, MAZZULLA A, BLINOV LM/congresso\_nome:Optics on Liquid Crystals 2001/congresso\_luogo:Sorrento (NA)/congresso\_data:ottobre 2001/anno:2001/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **14)-Low temperature specific heat of AgI-Ag<sub>2</sub>O-B<sub>2</sub>O<sub>3</sub>**

G. Carini; G. D'Angelo; G. Tripodo; A. Bartolotta; G. Di Marco; G. Salvato  
*8th Int. Workshop on Disordered Systems. Marzo 12-15 2001, Andalo (Trento)., Andalo, Trento, Italy, 12-15 Marzo, 2001*

<http://www.cnr.it/prodotto/i/250706>

info:cnr-pdr/source/autori:G. Carini, G. D'Angelo, G. Tripodo, A. Bartolotta, G. Di Marco, G. Salvato/congresso\_nome:8th Int. Workshop on Disordered Systems. Marzo 12-15 2001, Andalo (Trento)./congresso\_luogo:Andalo, Trento, Italy/congresso\_data:12-15 Marzo, 2001/anno:2001/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **15)-Mechanical behaviour of cyanurate containing full-IPNs**

A. Bartolotta; G. Di Marco; M. Lanza; G. Carini; G. D'Angelo; G. Tripodo; A. Fainleib.  
*4th Int. Discussion Meeting on relaxations in complex systems., Creta, Luglio 18-26 2001*

<http://www.cnr.it/prodotto/i/250711>

info:cnr-pdr/source/autori:A. Bartolotta, G. Di Marco, M. Lanza, G. Carini, G. D'Angelo, G. Tripodo, A. Fainleib./congresso\_nome:4th Int. Discussion Meeting on relaxations in complex systems./congresso\_luogo:Creta/congresso\_data:Luglio 18-26 2001/anno:2001/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **16)-An Optical Oxygen Sensor Based On Quenching Of Ru(II) Complex Immobilized In A Polymeric Matrix For Biosensing**

G. Di Marco; A. Bartolotta; G. Calogero; M. Lanza  
*V Giornata di Studio Su Biomateriali e loro Applicazioni in Biomeccanica. Catania, 6 Luglio 2001., Catania, 6 Luglio 2001*

<http://www.cnr.it/prodotto/i/250714>

info:cnr-pdr/source/autori:G. Di Marco, A. Bartolotta, G. Calogero, M. Lanza/congresso\_nome:V Giornata di Studio Su Biomateriali e loro Applicazioni in Biomeccanica. Catania, 6 Luglio 2001./congresso\_luogo:Catania/congresso\_data:6 Luglio 2001/anno:2001/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **17)-Perspectives Of Interpenetrating Polymer Networks In Biomechanical Applications**

G. Di Marco; A. Bartolotta; M. Lanza  
*V Giornata di Studio Su Biomateriali e loro Applicazioni in Biomeccanica., Catania, 6 Luglio 2001*

<http://www.cnr.it/prodotto/i/250718>

info:cnr-pdr/source/autori:G. Di Marco, A. Bartolotta, M. Lanza/congresso\_nome:V Giornata di Studio Su Biomateriali e loro Applicazioni in Biomeccanica./congresso\_luogo:Catania/congresso\_data:6 Luglio 2001/anno:2001/pagina\_da:/pagina\_a:/intervallo\_pagine:

**18)-Sucrose influence on the properties of unilamellar phospholipid vesicles: SANS, SAXS and DLS study**

Kiselev M.A.; Janich M.; Lesieur P.; Lombardo D.; Kisselev A.M.; Wartewig S.; Neubert R.  
*II Russian-German User Meeting, Dubna, Russia., 23-35 aprile 2001*

<http://www.cnr.it/prodotto/i/270828>

info:cnr-pdr/source/autori:Kiselev M.A., Janich M., Lesieur P., Lombardo D., Kisselev A.M., Wartewig S., Neubert R./congresso\_nome:II Russian-German User Meeting/congresso\_luogo:Dubna, Russia./congresso\_data:23-35 aprile 2001/anno:2001/pagina\_da:/pagina\_a:/intervallo\_pagine:

**19)-The study of sucrose influence on the structure and properties of dimyristoylphosphatidylcholine membranes.**

Kiselev M.A.; Lesieur P.; Lombardo D.; Ollivon M.; Kiselev M.; Janich M.; Wartewig S.  
*RSNE 2001, Moscow - Russian Federation, 21-25 maggio 2001*

<http://www.cnr.it/prodotto/i/270829>

info:cnr-pdr/source/autori:Kiselev M.A., Lesieur P., Lombardo D., Ollivon M., Kiselev M., Janich M., Wartewig S./congresso\_nome:RSNE 2001/congresso\_luogo:Moscow - Russian Federation/congresso\_data:21-25 maggio 2001/anno:2001/pagina\_da:/pagina\_a:/intervallo\_pagine:

**20)-Model of separated form factors for unilamellar vesicles**

Kiselev M.A.; Lesieur P.; Kisselev A.M.; Lombardo D.; Aksenov V.L.

*International Conference on Neutron Scattering. ICNS'2001, Monaco - Germania, 9-13 settembre 2001*

<http://www.cnr.it/prodotto/i/270830>

info:cnr-pdr/source/autori:Kiselev M.A., Lesieur P., Kisselev A.M., Lombardo D., Aksenov V.L./congresso\_nome:International Conference on Neutron Scattering. ICNS'2001/congresso\_luogo:Monaco - Germania/congresso\_data:9-13 settembre 2001/anno:2001/pagina\_da:/pagina\_a:/intervallo\_pagine:

**21)-Study of glass transition in DPPC/DMSO/water system at low temperatures**

Kiselev M.A.; Gutberlet T.; Kisselev A.M.; Gapienko I.V.; Lombardo D.; Janich M.; Hauss T.; Ollivon M.; Lesieur P.

*International Conference on Neutron Scattering. ICNS'2001, Monaco - Germania, 3-9 Settembre 2001*

<http://www.cnr.it/prodotto/i/270831>

info:cnr-pdr/source/autori:Kiselev M.A., Gutberlet T., Kisselev A.M., Gapienko I.V., Lombardo D., Janich M., Hauss T., Ollivon M., Lesieur P./congresso\_nome:International Conference on Neutron Scattering. ICNS'2001/congresso\_luogo:Monaco -

Germania/congresso\_data:3-9

Settembre

2001/anno:2001/pagina\_da:/pagina\_a:/intervallo\_pagine: