

## Peer-reviewed journal articles

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

### 4)-Interferometric measurement of the tip oscillation amplitude in apertureless near-field optical microscopy

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

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

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

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

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

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

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

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

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

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

Fazio Barbara; Maragó Onofrio M.; Musso Maurizio

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

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

info:cnr-pdr/source/autori:Fazio Barbara ; Maragó Onofrio M. ; Musso Maurizio/titolo:Magnetic induced dichroism and frequency stabilization of violet–blue diode lasers on gallium atomic transitions/

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

Fazio B.; Pieruccini M.; Vasi C.

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

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

info:cnr-pdr/source/autori:Fazio B.; Pieruccini M.; Vasi C./titolo:A Mean Field Analysis of the O-H Stretching Raman Spectra in Methanol/Carbon Tetrachloride Mixtures/

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

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

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

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

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

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

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

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

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

S. Prestipino; F. Saija; P. V. Giaquinta  
subjectGaussian-core modelsubjectSolid-liquid phase transitions  
subjectSolid-solid phase transitions  
subjectFrenkel-Ladd methodsubjectSelf-avoiding polymers

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

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

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

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

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

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

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

P. V. Giaquinta; F. Saija

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

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

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

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

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

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

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

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

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

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

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

S. Prestipino; F. Saija; P. V. Giaquinta  
subjectGaussian-core modelsubjectinverse-power-law potential  
subjectliquid-solid phase transition  
subjectsolid-solid phase transition  
subjectFrenkel-Ladd method

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

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

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

Nicola Angelini; Norberto Micali; Placido Mineo; Emilio Scamporrino; Valentina Villari; Daniele Vitalini

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

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

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

M.L. Calabrò; S. Tommasini; P. Donato; R. Stancanelli; D. Raneri; S. Catania; C. Costa; V. Villari; P. Ficarra; R. Ficarra

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

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

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

S. Tommasini; M.L. Calabrò; R. Stancanelli; P. Donato; C. Costa; S. Catania; V. Villari; P. Ficarra; R. Ficarra

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

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

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

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

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

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

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

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

*Chemical communications (Lond., 1996, Print)* (2005): 3018–3020.

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

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

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

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

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

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

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

Carini G.; Carini G.; D'Angelo G.; Tripodo G.; Bartolotta A.; Salvato G.subjectanharmonicitysubjectfragilitysubjectglasses

*Physical review. B, Condensed matter and materials physics* 72 (2005): 1–10.

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

**23)-Electronic core levels of layered  $\text{Li}_{2x}\text{Mn}_{1-x}\text{PS}_3$  film**

Letteria Silipigni; Vincenzo Grasso; Giovanna De Luca; Luigi Monsù Scolaro; Gabriele Salvatosubjectlithium compoundsubjectmanganese compoundsubjectthin filmsubjectX-ray photoelectron spectrasubjectintercalation compounds

*Journal of applied physics* 98 (2005): 043307.

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

**24)-X-ray photoelectron spectroscopy characterization of the layered intercalated compound  $\text{K}_{2x}\text{Mn}_{1-x}\text{PS}_3$**

Silipigni L.; Di Marco G.; Salvato G.; V. Grasso VsubjectLayered intercalation materialsubjectPotassium intercalated compoundsubjectXPS spectra

*Applied surface science* 252 (2005): 1998–2005.

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

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

Annino G.; Cassettari M.; Martinelli M.subjectOpen resonatorsubjectNonradiative structuressubjectSingle-mode resonatorsubjectMillimeter wavelengthsubjectTE011 mode

*Review of scientific instruments* 76 (2005): 084702.

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

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

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

Annino G.; Cassettari M.; Martinelli M.subjectNonradiative cavitiessubjectsingle-mode resonatorsubjectMillimeter wavelengthsubjectTE011 mode

*Review of scientific instruments* 76 (2005).

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

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

Annino G.; Cassettari M.; Fittipaldi M.; Martinelli M.subjectNonradiative resonatorsubjectsingle-mode resonancesubjectMillimeter wavelengthsubjectTwo-axis rotationsubjectSingle-crystal study

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

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

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

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

Trusso S.; Barletta E.; Barreca F.; Fazio E.; Neri F.subjectLaser AblationsubjectPlasma SpectroscopysubjectThin solid filmssubjectSiOxsubjectShock wave

*Laser and particle beams (Print)* 23 (2005): 149–153.

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

**29)-Investigation of a nanocrystalline silicon phase embedded in SiO<sub>x</sub> thin films grown by pulsed laser deposition**

Fazio E.; Barletta E.; Barreca F.; Neri F.; Trusso S.subjectSTRUCTURAL-PROPERTIESsubjectTHIN FILMSsubjectLASER ABLATION

*Journal of vacuum science & technology. B, Microelectronics and nanometer structures* 23 (2005): 519–524.

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

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

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

*Journal of applied physics* 97 (2005).

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

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

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

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

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

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

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

*Polymer (Guildford)* 46 (2005).

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

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

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

744 (2005).

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

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

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

G. Di Marco; N. Micali; R. Ponterio; V. Villari; A. Heinemann

*Notiziario Neutroni e Luce di Sincrotrone 10 (2005): 8–12.*

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

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

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

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

*Environmental microbiology (Online) 7 (2005): 78–87.*

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

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

Nicola Angelini; Norberto Micali; Valentina Villari; Placido Mineo; Daniele Vitalini; Emilio Scamporrino

*Physical review. E, Statistical, nonlinear, and soft matter physics (Print) 71 (2005): 021915.*

<https://dx.doi.org/10.1103/PhysRevE.71.021915>

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

N.M. Shavaleev; G. Accorsi; D. Virgili; D. R. Bell; T. Lazarides; G. Calogero; N. Armaroli; M. D. Wardsubjectenergy transfersubjectluminescencesubjectlanthanidesubjectnear-infrared

*Inorganic chemistry 44 (2005): 61–72.*

<https://dx.doi.org/10.1021/ic048875s>

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Fazio, B; Pieruccini, M; Vasi, CsubjectAggregationssubjectWater

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

**45)-Exploring the dusty Universe**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

info:cnr-pdr/source/autori:A. Mazzaglia, A. Valerio, V. Villari, A. Rencurosi, L. Lay, S. Spadaro, L. Monsù Scolaro, and N. Micali/congresso\_nome:VII Congresso nazionale di Chimica Supramolecolare/congresso\_luogo:Firenze/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

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

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

*XVIII International Symposium on Glycoconjugates, Firenze, 2005*

<http://www.cnr.it/prodotto/i/116577>

info:cnr-pdr/source/autori:A. Mazzaglia, A. Valerio, V. Villari, A. Rencurosi, L. Lay, S. Spadaro, L. Monsù Scolaro and N. Micali/congresso\_nome:XVIII International Symposium on Glycoconjugates/congresso\_luogo:Firenze/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**5)-Red phosphorescence Enhancement of novel Osmium(II) Complexes by metal transition ions.**

G. Calogero; N. Angelini; G. Di Marco; A. Garcia; E. Lalinde; M.T. Moreno; F. Puntoriero; S. Campagna.subjectphotophysicssubjectluminescencesubjectcomplexessubjectosmiumsubjectsynt hesis

*VII Congresso di Chimica Supramolecolare, Firenze, 4-7 Settembre, 2005*

<http://www.cnr.it/prodotto/i/116637>

info:cnr-pdr/source/autori:G. Calogero, N. Angelini, G. Di Marco, A. Garcia, E. Lalinde, M.T. Moreno, F. Puntoriero, S. Campagna./congresso\_nome:VII Congresso di Chimica Supramolecolare/congresso\_luogo:Firenze/congresso\_data:4-7 Settembre, 2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**6)-CARBON NANOCRYSTALS PRODUCED BY PULSED LASER ABLATION OF CARBON**

A. Mangione; L. Torrisi; A. Picciotto; F. Caridi; D. Margarone; E. Fazio; A. La Mantia; G. Di Marco; M. BitnersubjectLaser AblationsubjectnanostructuresubjectFTIR

*2nd Workshop 'Production of Intense Beams of Highly charged Ions (PIBHI 2005) & 2nd Workshop 'Plasma Production by Laser Ablation' (PPLA 2005)., Giardini Naxos, Messina, Italy, 8-11 Giugno, 2005*

<http://www.cnr.it/prodotto/i/116652>

info:cnr-pdr/source/autori:A. Mangione, L. Torrisi, A. Picciotto, F. Caridi, D. Margarone, E. Fazio, A. La Mantia, G. Di Marco, M. Bitner/congresso\_nome:2nd Workshop 'Production of Intense Beams of Highly charged Ions (PIBHI 2005) & 2nd Workshop 'Plasma Production by Laser Ablation' (PPLA 2005)/congresso\_luogo:Giardini Naxos, Messina, Italy/congresso\_data:8-11 Giugno, 2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**7)-Non equilibrium thermodynamics with internal variables in Klutenberg's theory**

V. Ciancio; F. Farsaci; A. Bartolotta

*INTERNATIONAL CONFERENCE AND SUMMERSCHOOL - Thermal theories of continua: Survey and developments, Messina, Italy, 2005*

<http://www.cnr.it/prodotto/i/116659>

info:cnr-pdr/source/autori:V. Ciancio, F. Farsaci, A. Bartolotta/congresso\_nome:INTERNATIONAL CONFERENCE AND SUMMERSCHOOL -

Thermal theories of continua: Survey and developments/congresso\_luogo:Messina, Italy/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**8)-Proprietà ottiche ed elettroniche di film di tiosolfato di manganese e complessi metallici della porfirina H2T4**

Silipigni L.; De Luca G.; Quattrone T.; Monsù Scolaro L.; Salvato G.; Grasso V.

*XCI Congresso SIF, Catania, 2005*

<http://www.cnr.it/prodotto/i/116677>

info:cnr-pdr/source/autori:Silipigni L., De Luca G., Quattrone T., Monsù Scolaro L., Salvato G., Grasso V./congresso\_nome:XCI Congresso SIF/congresso\_luogo:Catania/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**9)-XPS spectra of layered Li<sub>2x</sub>Mn<sub>1-x</sub>PS<sub>3</sub>**

Silipigni L.; De Luca G.; Quattrone T.; Monsù Scolaro L.; Salvato G.; Grasso V.

*MMD Meeting, Genova, 2005*

<http://www.cnr.it/prodotto/i/116678>

info:cnr-pdr/source/autori:Silipigni L., De Luca G., Quattrone T., Monsù Scolaro L., Salvato G., Grasso V./congresso\_nome:MMD Meeting/congresso\_luogo:Genova/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**10)-Indagine proteomica sull'adattamento della crescita di Rhodobacter sphaeroides R-26.1 a metalli pesanti**

F. Pisani; F. Italiano; A. Agostiano; M. Trotta; L. Giotta; L. R. Ceci; F. De Leo; R. Gallerani/subjectbioremediationsubjectheavy metalssubjectrhodobacter sphaeroides

*Prima Scuola Nazionale di Metodologie Chimico-Fisiche per lo studio di sistemi biologici, Martina Franca (ITA), 05/09/2005-09/09/2005*

<http://www.cnr.it/prodotto/i/116759>

info:cnr-pdr/source/autori:F. Pisani, F. Italiano, A. Agostiano, M. Trotta, L. Giotta, L. R. Ceci, F. De Leo, R. Gallerani/congresso\_nome:Prima Scuola Nazionale di Metodologie Chimico-Fisiche per lo studio di sistemi biologici/congresso\_luogo:Martina Franca (ITA)/congresso\_data:05/09/2005-09/09/2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**11)-Pressure effects on the structure of CN<sub>x</sub> thin films deposited by laser ablation**

F. Barreca; E. Barletta; E. Fazio; F. Neri; S. Trusso; B. Fazio/subjectLaser AblationsubjectCarbon Nitride

*Plasma production by laser ablation" (PIBHI&PPLA-2005), Giardini Naxos (ME) Italia, 2005*

<http://www.cnr.it/prodotto/i/116798>

info:cnr-pdr/source/autori:F. Barreca, E. Barletta, E. Fazio, F. Neri, S. Trusso, B. Fazio/congresso\_nome:Plasma production by laser ablation” (PIBHI&PPLA-2005)/congresso\_luogo:Giardini Naxos (ME) Italia/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

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

2)F. Barreca; E. Barletta; E. Fazio; F. Neri; S. Trusso; B. Fazio/subjectLaser Ablation  
*Plasma production by laser ablation” (PIBHI&PPLA-2005), Giardini Naxos (ME) Italia, 2005*  
<http://www.cnr.it/prodotto/i/116799>

info:cnr-pdr/source/autori:2)F. Barreca, E. Barletta, E. Fazio, F. Neri, S. Trusso, B. Fazio/congresso\_nome:Plasma production by laser ablation” (PIBHI&PPLA-2005)/congresso\_luogo:Giardini Naxos (ME) Italia/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**13)-Spectroscopic investigation of the structural properties of Si<sub>1-x</sub>C<sub>x</sub> thin films**

E. Fazio; F. Barreca; M. Latino; F. Neri; S. Trusso/subjectSilicon Carbides/subjectLaser Ablation  
*XIX Convegno Nazionale Spettroscopia Raman ed Effetti Non Lineari, GNSR 2005, Cosenza, 2005*  
<http://www.cnr.it/prodotto/i/116801>

info:cnr-pdr/source/autori:E. Fazio, F. Barreca, M. Latino, F. Neri, S. Trusso/congresso\_nome:XIX Convegno Nazionale Spettroscopia Raman ed Effetti Non Lineari, GNSR 2005/congresso\_luogo:Cosenza/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**14)-Brillouin spectroscopy in polymer solutions. Structural relaxation and molecular interactions in Poly(ethylene glycol)/Benzene mixture**

M. Pochylski; F. Aliotta; Z. Blaszcak; J. Gapinski  
*Phonon Spectroscopy Workshop, Puszczykowo, Poland, 2005*  
<http://www.cnr.it/prodotto/i/116824>

info:cnr-pdr/source/autori:M. Pochylski, F. Aliotta, Z. Blaszcak, J. Gapinski/congresso\_nome:Phonon Spectroscopy Workshop/congresso\_luogo:Puszczykowo, Poland/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**15)-Brillouin spectroscopy in polymer solutions. Structural relaxation and molecular interactions in Poly(ethylene glycol)/Toluene mixture**

M. Pochylski; F. Aliotta; Z. Blaszcak; J. Gapinski  
*6th Liquid Matter Conference, Utrecht, Netherlands, 2005*  
<http://www.cnr.it/prodotto/i/116826>

info:cnr-pdr/source/autori:M. Pochylski, F. Aliotta, Z. Blaszcak, J. Gapinski/congresso\_nome:6th Liquid Matter Conference/congresso\_luogo: Utrecht, Netherlands/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**16)-High-pressure phase diagram of the exp-6 model: the case of Xenon**

F. Saija; S. Prestipino; P. V. Giaquinta

*XCI Congresso Nazionale Società Italiana di Fisica, Catania, 2005*

<http://www.cnr.it/prodotto/i/116827>

info:cnr-pdr/source/autori:F. Saija, S. Prestipino, P. V. Giaquinta/congresso\_nome:XCI Congresso Nazionale Società Italiana di Fisica/congresso\_luogo:Catania/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

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

S. Prestipino; F. Saija; P. V. Giaquinta

*XCI Congresso Nazionale Società Italiana di Fisica, Catania, 2005*

<http://www.cnr.it/prodotto/i/116828>

info:cnr-pdr/source/autori:S. Prestipino, F. Saija, P. V. Giaquinta/congresso\_nome:XCI Congresso Nazionale Società Italiana di Fisica/congresso\_luogo:Catania/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**18)-High-frequency dynamical behavior of Poly(ethylene glycol)+H<sub>2</sub>O Mixtures by Brillouin Spectroscopy**

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

*6th International Conference on Polymer Solvent Complexes and Intercalated PSCI-6, Manchester, UK, 2005*

<http://www.cnr.it/prodotto/i/116829>

info:cnr-pdr/source/autori:M. Pochylski, F. Aliotta, Z. Blaszcak, J. Gapinski/congresso\_nome:6th International Conference on Polymer Solvent Complexes and Intercalated PSCI-6/congresso\_luogo:Manchester, UK/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**19)-High-pressure phase diagram of the exp-6 model: The case of Xe**

S. Prestipino; F. Saija

*6th Liquid Matter Conference, Utrecht, 2005*

<http://www.cnr.it/prodotto/i/116830>

info:cnr-pdr/source/autori:S. Prestipino, F. Saija/congresso\_nome:6th Liquid Matter Conference/congresso\_luogo:Utrecht/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **20)-Phase diagram of the Gaussian-core model**

S. Prestipino; F. Saija; P. V. Giaquinta  
*6th Liquid Matter Conference, Utrecht, 2005*  
<http://www.cnr.it/prodotto/i/116831>

info:cnr-pdr/source/autori:S. Prestipino, F. Saija, P. V. Giaquinta/congresso\_nome:6th Liquid Matter Conference/congresso\_luogo:Utrecht/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **21)-Thermodynamic stability of the fluid-fluid phase separation in binary athermal mixtures**

G. Pellicane; F. Saija; C. Caccamo; P. V. Giaquinta  
*MMD Meeting – Matter, Materials and Devices, Genova, 2005*  
<http://www.cnr.it/prodotto/i/116832>

info:cnr-pdr/source/autori:G. Pellicane, F. Saija, C. Caccamo, P. V. Giaquinta/congresso\_nome:MMD Meeting – Matter, Materials and Devices/congresso\_luogo:Genova/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **22)-Albert Einstein e il moto Browniano**

F. Saija  
*Einstein e la Relatività cento anni dopo, Messina, 2005*  
<http://www.cnr.it/prodotto/i/116833>

info:cnr-pdr/source/autori:F. Saija/congresso\_nome:Einstein e la Relatività cento anni dopo/congresso\_luogo:Messina/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

#### **23)-“Fattori coinvolti nell’organizzazione supramolecolare del Fotosistema II di piante superiori”**

A. Ventrella; L. Catucci; A. Agostiano; N. Micali; L. Monsù Scolaro; E. Leonetti; A. Diviccaro  
*Prima Scuola Nazionale di Metodologie Chimico-Fisiche per lo Studio di Sistemi Biologici., 5-9 Settembre 2005, Martina Fr, 2005*  
<http://www.cnr.it/prodotto/i/116863>

info:cnr-pdr/source/autori:A. Ventrella, L. Catucci, A. Agostiano, N. Micali, L. Monsù Scolaro, E. Leonetti, A. Diviccaro/congresso\_nome:Prima Scuola Nazionale di Metodologie Chimico-

Fisiche per lo Studio di Sistemi Biologici,/congresso\_luogo:5-9 Settembre 2005, Martina Fr/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**24)-“Factors influencing supramolecular organization of Photosystem II”,**

L. Catucci; A. Ventrella; A. Agostiano; N. Micali; L. Monsù Scolaro; E. Leonetti; A. Diviccaro  
*34° Congresso Nazionale della Società Chimica Italiana, Divisione di Chimica-Fisica, , 20-24  
Giugno 2005, Siena., 2005*

<http://www.cnr.it/prodotto/i/116864>

info:cnr-pdr/source/autori:L. Catucci, A. Ventrella, A. Agostiano, N. Micali, L. Monsù Scolaro,  
E. Leonetti, A. Diviccaro/congresso\_nome:34° Congresso Nazionale della Società Chimica  
Italiana, Divisione di Chimica-Fisica/congresso\_luogo:., 20-24 Giugno 2005,  
Siena./congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**25)-“Characterization study of CVD homoepitaxial diamond**

Donato M.G.; Faggio G.; Marinelli M.; Messina G.; Milani E.; Potenza R.; Pucella G.;  
Santangelo S.; Tuvé C.; Verona Rinati G  
*16th European Conference “Diamond, diamond-like materials, nitrides and silicon carbide,  
Toulouse (F), 2005*

<http://www.cnr.it/prodotto/i/116932>

info:cnr-pdr/source/autori:Donato M.G., Faggio G., Marinelli M., Messina G., Milani E.,  
Potenza R., Pucella G., Santangelo S., Tuvé C., Verona Rinati G/congresso\_nome:16th  
European Conference “Diamond, diamond-like materials, nitrides and silicon  
carbide/congresso\_luogo:Toulouse  
(F)/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**26)-Characterization of homoepitaxial diamond for ionizing radiation detectors**

Donato M.G.; Faggio G.; Messina G.; Pace E.; Santangelo S.; Verona Rinati G  
*AIOM 2005, 1st Conference on Advances in Optical Materials, Tucson, Arizona, 2005*

<http://www.cnr.it/prodotto/i/116933>

info:cnr-pdr/source/autori:Donato M.G., Faggio G., Messina G., Pace E., Santangelo S., Verona  
Rinati G/congresso\_nome:AIOM 2005, 1st Conference on Advances in Optical  
Materials/congresso\_luogo:Tucson,  
Arizona/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**27)-Study of in-gap defects in intrinsic and B-doped a-SiC:H by means of optical absorption,  
Raman spectroscopy and photoluminescence**

Della Corte F.G.; Donato M. G.; Messina G.; Nigro M. A.; Santangelo S.; Summonte C  
*1st Conference on Advances in Optical Materials, Tucson, Arizona, 2005*

<http://www.cnr.it/prodotto/i/116934>



info:cnr-pdr/source/autori:Della Corte F.G., Donato M. G., Messina G., Nigro M. A., Santangelo S., Summonte C/congresso\_nome:1st Conference on Advances in Optical Materials/congresso\_luogo:Tucson, Arizona/congresso\_data:2005/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

**28)-Fabrication process of a trench gate power MOS transistor with scaled channel**

Currò G.;

*US 6,887,760 B2, Internazionale*

<http://www.cnr.it/prodotto/i/144965>

**29)-"CAPPS Thesaurus" - Sviluppo di un Thesaurus per l'indicizzazione di soggetti chimico-fisici.**

Lanza C.subjectDictionarysubjectControlled vocabularysubjectWordNetsubjectText mining  
2005

<http://www.cnr.it/prodotto/i/151783>

**30)-Star-Like Polymer Solutions Studied by Light and Neutron Scattering**

G. Di Marco; N. Micali; R. Ponterio; V. Villari; A. HeinemannsubjectNeutron scatteringsubjectPolyme solution  
2005

<http://www.cnr.it/prodotto/i/158314>

**31)-On the determination of phenomenological coefficients for dielectric materials**

Vincenzo Ciancio; Gaetano Di Marco; Francesco FarsacisubjectDielectric relaxationssubjectelectromagnetic effectssubjectlinear constitutive equations  
*Proceedings of The 3-rd International Colloquium "Mathematics in Engineering and Numerical, pp. 93–104, 2005*

<urn:isbn:973-8381-11-8>

info:cnr-pdr/source/autori:Vincenzo Ciancio; Gaetano Di Marco; Francesco Farsaci/titolo:On the determination of phenomenological coefficients for dielectric materials/titolo\_volume:Proceedings of The 3-rd International Colloquium "Mathematics in Engineering and Numerical/curatori\_volume:/editore:/anno:2005

**32)-On the determination of phenomenological**

V. Ciancio; G. Di Marco; F. Farsaci

*The 3rd International Colloquium "Mathematics in Engineering and Numerical Physics", Bucharest, Romania., 7-9 October, 2004*

<urn:isbn:973-8381-11-8>

info:cnr-pdr/source/autori:V. Ciancio,G. Di Marco and F. Farsaci/congresso\_nome:The 3rd International Colloquium "Mathematics in Engineering and Numerical

Physics"/congresso\_luogo:Bucharest, Romania./congresso\_data:7-9  
2004/anno:2005/pagina\_da:/pagina\_a:/intervallo\_pagine:

October,