

## Peer-reviewed journal articles

### 1)-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, AMsubjectcarbon 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 ?/

### 2)-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/

### 3)-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./

### 4)-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>

### 5)-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>

**6)-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/

**7)-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/

**8)-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>

**9)-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>

**10)-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/

**11)-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/

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

Balta Calleja F. J.; Di Marco G.; Flores A.; Pieruccini M.

*Physical review. B, Condensed matter and materials physics* 79 (2009): 019903-1–019903-2.

<https://dx.doi.org/10.1103/PhysRevB.79.019903>

**13)-Natural dye sensitizers for photoelectrochemical cells.**

Calogero G.; Di Marco G.; Caramori S.; Cazzanti S.; Argazzi R.; Bignozzi C.A.subjectdye-sensitized solar cellsubjectnatural dyessubjectNanosecond transient absorption spectrasubjectphotoaction spectra

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

<https://dx.doi.org/10.1039/B913248C>

**14)-Low temperature specific heat of heterocyclic polymer networks: Effect of network density**

Carini G.; Carini G.; D'Angelo G.; Tripodo G.; Bartolotta A.; Salvato G.; Hong Lsubjectamorphous polymerssubjectthermal properties

*Philosophical magazine (2003, Print)* 88 (2009): 3999–4005.

<https://dx.doi.org/10.1080/14786430802459545>

**15)-Phenomenological approach on wave propagation in dielectric media with two relaxation times**

V. Ciancio; F. Farsaci; P. Rogolino

*Physica. B, Condensed matter (Print)* 404 (2009): 320–324.

<http://www.cnr.it/prodotto/i/40234>

info:cnr-pdr/source/autori:V. Ciancio; F. Farsaci; P. Rogolino/titolo:Phenomenological approach on wave propagation in dielectric media with two relaxation times/

**16)-Rotation Detection in Light-Driven Nanorotors**

Jones P.H.; Palmisano F.; Bonaccorso F.; Gucciardi P.G.; Calogero G.; Ferrari A.C.; Marago O.M.

*ACS nano* 3 (2009): 3077–3084.

<http://www.cnr.it/prodotto/i/40235>

info:cnr-pdr/source/autori:Jones P.H.; Palmisano F.; Bonaccorso F.; Gucciardi P.G.; Calogero G.; Ferrari A.C.; Marago O.M./titolo:Rotation Detection in Light-Driven Nanorotors/

**17)-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

*Journal of applied physics* 106 (2009): 053528.

<http://www.cnr.it/prodotto/i/40243>

info:cnr-pdr/source/autori:M. G. Donato; G. Messina; G. Verona Rinati; S. Almaviva; G. Faggio; Marco Marinelli; E. Milani; G. Prestopino; S. Santangelo; P. Tripodi; C. Verona/titolo:Exciton condensation in homoepitaxial chemical vapor deposition diamond/

**18)-Ultraviolet radiation inside interstellar grain aggregates. III. Fluffy grains**

Adriano Cacciola; Cesare Cecchi-Pestellini; Rosalba Saija; Maria Antonia Iatì; Ferdinando Borghese; Paolo Dentisubjectdustsubjectextinctionsubjectpolarizationsubjectradiative transfer

*The Astrophysical journal* 701 (2009): 1426–1435.

<https://dx.doi.org/10.1088/0004-637X/701/2/1426>

**19)-The zero-temperature phase diagram of soft-repulsive particle fluid**

Prestipino S.; Saija F.; Malescio G.

*Soft matter (Print)* 5 (2009): 2795–2803.

<https://dx.doi.org/10.1039/b903931g>

**20)-Anomalous phase behavior of a soft-repulsive potential with a strictly monotonic force**

Saija F.; Prestipino S.; Malescio G.subjectSoft-core potentialsubjectLiquid-solid transitionsubjectSolid-solid transitionsubjectReentrant meltingsubjectWater-like anomalies

*Physical review. E, Statistical, nonlinear, and soft matter physics (Print)* 80 (2009): 031502.

<https://dx.doi.org/10.1103/PhysRevE.80.031502>

**21)-Unusual phase behavior of one-component systems with two-scale isotropic interactions**

Buldyrev S. V.; Malescio G.; Angell C. A.; Giovambattista N.; Prestipino S.; Saija F.; Stanley H. E.; Xu L.

*Journal of physics. Condensed matter (Print)* 21 (2009): 504106.

<https://dx.doi.org/10.1088/0953-8984/21/50/504106>

**22)-Nanoscale organization in piperidinium-based room temperature ionic liquids**

Triolo A.; Russina O.; Fazio B.; Appetecchi G.B.; Carewska M.; Passerini S.

*The Journal of chemical physics* 130 (2009): 164521.

<https://dx.doi.org/10.1063/1.3119977>

**23)-Mechanically Induced Biaxial Transition in a Nanoconfined Nematic Liquid Crystal with a Topological Defect**

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

*Physical review letters (Print) 103 (2009): 167801.*

<https://dx.doi.org/10.1103/PhysRevLett.103.167801>

**24)-Analysis of intraocular lens surface adhesiveness by atomic force microscopy**

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

*Journal of cataract and refractive surgery 35 (2009): 1266–1272.*

<https://dx.doi.org/10.1016/j.jcrs.2009.02.029>

**25)-Corneal Topography Six Years After Photorefractive Keratectomy for Myopia and Myopic Astigmatism**

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

*Journal of refractive surgery (1995) 25 (2009): 451–458.*

<https://dx.doi.org/10.9999/1081597X-20090422-08>

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

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

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

<https://dx.doi.org/10.1103/PhysRevE.79.041701>

**27)-Long-term Anterior and Posterior Topographic Analysis of the Cornea After Deep Lamellar Endothelial Keratoplasty**

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

FIBRILSsubjectCURVATUREsubjectSTROMAsubjectDLEK

*Cornea 28 (2009): 408–415.*

<http://www.cnr.it/prodotto/i/40390>

info:cnr-pdr/source/autori:Lombardo M, Lombardo G, Friend DJ , Serrao S, Terry MA/titolo:Long-term Anterior and Posterior Topographic Analysis of the Cornea After Deep Lamellar Endothelial Keratoplasty/

**28)-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/

**29)-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.

<https://dx.doi.org/10.1111/j.1444-0938.2009.00356.x>

**30)-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>

**31)-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>

info:cnr-pdr/source/autori:Lombardo Domenico/titolo:Liquid-like Ordering of Negatively Charged Poly(amidoamine) (PAMAM) Dendrimers in Solution/

**32)-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.

<http://www.cnr.it/prodotto/i/40662>

info:cnr-pdr/source/autori:Bonaccorsi L. (1); Lombardo D. (2); Longo A. (3); Proverbio E. (1); Triolo A (2)./titolo:Dendrimer Template Directed Self-Assembly during Zeolite Formation/

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

Maragò O.M.; Jones P.H.; A.C. FerrarissubjectOptical TrappingsubjectCarbon NanotubessubjectNanostructures

*SPIE newsroom* (2009).

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

**34)-Neutron Tomography adt ISIS**

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

*14* (2009): 14–18.

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

info:cnr-pdr/source/autori:Salvato G., Aliotta F., Ponterio R. C., Vas C.i, Bartoli L., Grazzi F., Zoppi M./titolo:Neutron Tomography adt ISIS/

**35)-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>

info:cnr-pdr/source/autori:Ciancio V., Farsaci F., Rogolino P./titolo:Mathematical approach to the relaxation phenomena/

**36)-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>

info:cnr-pdr/source/autori:Ciancio V., Farsaci F., Rogolino P./titolo:On the extension of Debye's model for media with dielectric relaxation/

**37)-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>

**38)-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>

**39)-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>

**40)-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. Sciortino subject Amphiphilic cyclodextrin subject nanoparticles

*Biomaterials 30 (2009): 374–382.*

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



**41)-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>

**42)-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/

**43)-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>

**44)-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>

**45)-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/

**46)-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 cemento B (2009, Testo stamp.) 124 (2009): 427–434.*  
<https://dx.doi.org/10.1393/ncb/i2009-10775-9>

**47)-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. Santangelo subjectCarbon 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/

**48)-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/

**49)-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>

**50)-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>

**51)-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 sensitizer for photoelectrochemical cells/

**52)-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>

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

Calogero, Giuseppe; Di Marco, Gaetano; Caramori, Stefano; Cazzanti, Silvia; Argazzi, Roberto; Bignozzi, Carlo AlbertosubjectSENSITIZED SOLAR-CELLS; NANOCRYSTALLINE TiO<sub>2</sub> FILMS; ARTIFICIAL PHOTOSYNTHESIS; CHLOROPHYLL DERIVATIVES; POLYPYRIDINE COMPLEXES; ELECTRON INJECTION; HIGH-EFFICIENCY; PHOTOSENSITIZATION; LIGHT; SEMICONDUCTORS  
*Energy & environmental science (Print)* 2 (2009): 1162–1172.

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

**54)-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)-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:

**3)-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:

**4)-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 Tecnologia 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:

**5)-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:

**6)-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:

**7)-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:

### **8)-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:

### **9)-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:

### **10)-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:

### **11)-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:

**12)-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:

**13)-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.subjectCrystallizationsubjectthin filmssubjectconfinementsubjectPETsubjectpoly(ethylene terephthalate)subjectAFMsubjectviscoelastic propertiessubjectinfrared 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:

**14)-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:

**15)-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:

#### **16)-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:

#### **17)-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>

info:cnr-pdr/source/autori:Gucciardi P.G./titolo:Applications of Scanning Near-Field Optical  
Microscopy in Life Science/titolo\_volume:Applied Scanning Probe  
Methods/curatori\_volume:B. Bhushan/editore:

/anno:2009

#### **18)-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>

info:cnr-pdr/source/autori:Lombardo M, Lombardo G/titolo:The New Era of Refractive  
Correction/titolo\_volume:/curatori\_volume:/editore:



/anno:2009

**19)-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](https://doi.org/10.1080/00140139.2009.10555555)

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/anno:2009

**20)-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>

**21)-Laser senza specchi accordabile a tre strati**

PetriashviliG.;

CS2009A000003, *Nazionale*

<http://www.cnr.it/prodotto/i/145001>

**22)-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>

**23)-European Solar Days**

G. Calogero; A. Sinopoli; G. Di Marco  
2009

<http://www.cnr.it/prodotto/i/149191>

**24)-Ortaggi ed energia**

Di Marco G.; Calogero G.  
2009

<http://www.cnr.it/prodotto/i/252117>

**25)-REPORT Voucher VISIBILASER: Progettazione e Realizzazione di un correlatore multi-tau**

Giuseppe Lombardo

2009

<http://www.cnr.it/prodotto/i/213505>

**26)-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>

**27)-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:

**28)-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 Marcosubjectcarbon nanotubessubjectstainless steelsubjectsolar cellssubjectphotovoltaicssubjectenergy renewablessubjectruthenium polypiridine 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:

**29)-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:

**30)-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:

**31)-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

**32)-EFFETTI DELL'ATTIVITA' DEGRADATIVA DELLA COMUNITA' MICROBICA AUTOCTONA IN UN CAMPIONE D'ACQUA DI SENTINA**

Benedetta Calderone; Gaetano Di Marco; Massimo De Luca; Simona Scarfi; 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 Scarfi, Maria De Domenico, Emilio De Domenico/congresso\_nome:XIX Congresso della Associazione Italiana di Oceanologia e Limnologia/congresso\_luogo:Isola di S. Servolo

**33)-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:

**34)-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:

**35)-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:

**36)-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: