

## Peer-reviewed journal articles

### 1)-The XPS and XAES spectra of Na<sub>0.88</sub>Mn<sub>0.56</sub>PS<sub>3</sub>

Letteria Silipigni; Lilla Schirò; Luigi Monsù Scolaro; Giovanna De Luca; Gabriele Salvato  
subjectLayered intercalation materials; Sodium intercalated compounds; XPS spectra; XAES spectra

*Applied surface science* 257 (2011): 10888–10892.

<https://dx.doi.org/10.1016/j.apsusc.2011.07.131>

### 2)-Evaluation of crystalline perfection degree of multi-walled carbon nanotubes: correlations between thermal kinetic analysis and micro-Raman spectroscopy

S. Santangelo; G. Messina; G. Faggio; M. Lanza; C. Milone  
subjectCarbon Nanotubes

*Journal of Raman spectroscopy* 41 (2011): 593–602.

<http://www.cnr.it/prodotto/i/40215>

info:cnr-pdr/source/autori:S. Santangelo, G. Messina, G. Faggio, M. Lanza, C. Milone/titolo:Evaluation of crystalline perfection degree of multi-walled carbon nanotubes: correlations between thermal kinetic analysis and micro-Raman spectroscopy/

### 3)-Structural properties of pulsed laser deposited SnO<sub>x</sub> thin films

Fazio E.; Neri F.; Ruggeri R.; Sabatino G.; Trusso S.; Mannino G.  
subjectTin oxides  
subjectThin film  
subjectPulsed laser ablation  
subjectTEM

*Applied surface science* 257 (2011): 2520–2525.

<http://www.cnr.it/prodotto/i/40389>

info:cnr-pdr/source/autori:Fazio E.; Neri F.; Ruggeri R.; Sabatino G.; Trusso S.; Mannino G./titolo:Structural properties of pulsed laser deposited SnO<sub>x</sub> thin films/

### 4)-Amphiphilic Amylose-g-poly(meth)acrylate Copolymers through “Click” onto Grafting Method

Bertoldo, Monica; Zampano, Giovanni; La Terra, Federico; Villari, Valentina; Castelvetro Valter  
subjectamphiphilic graft copolymers  
subjectamylose  
subject“click” reactions  
subjectpoly(meth)acrylates  
subjectself-assembling

*Biomacromolecules* 12 (2011): 388–398.

<http://www.cnr.it/prodotto/i/40418>

info:cnr-pdr/source/autori:Bertoldo, Monica; Zampano, Giovanni; La Terra, Federico; Villari, Valentina; Castelvetro Valter/titolo:Amphiphilic Amylose-g-poly(meth)acrylate Copolymers through “Click” onto Grafting Method/

### 5)-Charge interaction of low generation dendrimers during zeolite formation

Lombardo D. (A); Bonaccorsi L. (B); Longo A. (C); Proverbio E. (B); Calandra P. (A)

*Journal of non-crystalline solids* 357 (2011): 771–774.

<http://www.cnr.it/prodotto/i/40430>

info:cnr-pdr/source/autori:Lombardo D. (A); Bonaccorsi L. (B); Longo A. (C); Proverbio E. (B); Calandra P. (A)/titolo:Charge interaction of low generation dendrimers during zeolite formation/

#### 6)-Electric field-induced fast nematic order variation

Amoddeo A.; Barberi R.; Lombardo G.subjectPARTIAL DIFFERENTIAL EQUATIONSsubjectBOUNDARY VALUE PROBLEMSsubjectLIQUID-CRYSTALSsubjectEQUIDISTRIBUTIONsubjectORIENTATION

*Liquid crystals (Print)* 38 (2011): 93–103.

<https://dx.doi.org/10.1080/02678292.2010.530298>

#### 7)-Optical Performance of the Cornea Six Years following Photorefractive Keratectomy for Myopia

Serrao S; Lombardo G; Ducoli P; Lombardo MsubjectWAVE-FRONT ABERRATIONSsubjectIN-SITU KERATOMILEUSISsubjectEXCIMER-LASERsubjectSPHERICAL-ABERRATION

*Investigative ophthalmology & visual science* 52 (2011): 846–857.

<https://dx.doi.org/10.1167/iovs.10-5905>

#### 8)-An alternative dielectric model

Francesco Farsaci and Patrizia Rogolino

*Journal of non-equilibrium thermodynamics (Print)* (2011).

<http://www.cnr.it/prodotto/i/40752>

info:cnr-pdr/source/autori:Francesco Farsaci and Patrizia Rogolino/titolo:An alternative dielectric model/

#### 9)-Optical Properties of Au Nanoclusters from TD-DFT Calculations

Durante N.; Fortunelli A.; Broyer M.; Stener M.

*Journal of physical chemistry. C* 115 (2011): 6277–6282.

<https://dx.doi.org/10.1021/jp112217g>

#### 10)-Re-radiation Enhancement in Polarized Surface-Enhanced Resonant Raman Scattering of Randomly Oriented Molecules on Self-Organized Gold Nanowires

Fazio, B; D'Andrea, C; Bonaccorso, F; Irrera, A; Calogero, G; Vasi, C; Gucciardi, PG; Allegrini, M; Toma, A; Chiappe, D; Martella, C; de Mongeot, FBsubjectOPTICAL ANTENNAS; SPECTROSCOPY; SERS; EMISSION; NANOPARTICLES

*ACS nano* 5 (2011): 5945–5956.

<http://www.cnr.it/prodotto/i/40771>

info:cnr-pdr/source/autori:Fazio, B; D'Andrea, C; Bonaccorso, F; Irrera, A; Calogero, G; Vasi, C; Gucciardi, PG; Allegrini, M; Toma, A; Chiappe, D; Martella, C; de Mongeot, FB/titolo:Re-radiation Enhancement in Polarized Surface-Enhanced Resonant Raman Scattering of Randomly Oriented Molecules on Self-Organized Gold Nanowires/

**11)-Manipulation and Raman Spectroscopy with Optically Trapped Metal Nanoparticles Obtained by Pulsed Laser Ablation in Liquids**

Messina, E; Cavallaro, E; Cacciola, A; Saija, R; Borghese, F; Denti, P; Fazio, B; D'Andrea, C; Gucciardi, PG; Iati, MA; Meneghetti, M; Compagnini, G; Amendola, V; Marago, OM

*Journal of physical chemistry. C* 115 (2011): 5115–5122.

<http://www.cnr.it/prodotto/i/40772>

info:cnr-pdr/source/autori:Messina, E; Cavallaro, E; Cacciola, A; Saija, R; Borghese, F; Denti, P; Fazio, B; D'Andrea, C; Gucciardi, PG; Iati, MA; Meneghetti, M; Compagnini, G; Amendola, V; Marago, OM/titolo:Manipulation and Raman Spectroscopy with Optically Trapped Metal Nanoparticles Obtained by Pulsed Laser Ablation in Liquids/

**12)-Plasmon-Enhanced Optical Trapping of Gold Nanoaggregates with Selected Optical Properties**

Messina, E; Cavallaro, E; Cacciola, A; Iati, MA; Gucciardi, PG; Borghese, F; Denti, P; Saija, R; Compagnini, G; Meneghetti, M; Amendola, V; Marago, OM

*ACS nano* 5 (2011): 905–913.

<http://www.cnr.it/prodotto/i/40773>

info:cnr-pdr/source/autori:Messina, E; Cavallaro, E; Cacciola, A; Iati, MA; Gucciardi, PG; Borghese, F; Denti, P; Saija, R; Compagnini, G; Meneghetti, M; Amendola, V; Marago, OM/titolo:Plasmon-Enhanced Optical Trapping of Gold Nanoaggregates with Selected Optical Properties/

**13)-Size-Scaling in Optical Trapping of Silicon Nanowires**

Irrera, A.; Artoni, P.; Saija, R.; Gucciardi, P.G.; Iati, M. A.; Borghese, F.; Denti, P.; Iacona, F.; Priolo, F.; Marago, O.M.

*Nano letters (Print)* 11 (2011): 4879–4884.

<http://www.cnr.it/prodotto/i/40774>

info:cnr-pdr/source/autori:Irrera, A.; Artoni, P.; Saija, R.; Gucciardi, P.G.; Iati, M. A.; Borghese, F.; Denti, P.; Iacona, F.; Priolo, F.; Marago, O.M./titolo:Size-Scaling in Optical Trapping of Silicon Nanowires/

**14)-Raman scattering of MnO(x)-CeO(x) composite catalysts: structural aspects and laser-heating effects**

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

*Journal of Raman spectroscopy* 42 (2011): 1583–1588.

<http://www.cnr.it/prodotto/i/40778>

info:cnr-pdr/source/autori:Barbara Fazio, Lorenzo Spadaro., Giuseppe Trunfio, Jacopo Negro, Francesco Arena/titolo:Raman scattering of MnO(x)-CeO(x) composite catalysts: structural aspects and laser-heating effects/

**15)-Cell volume regulation following hypotonic shock in hepatocytes isolated from Sparus aurata**

C. Faggio; A. Torre; E. Pelle; F. Raffa; V. Villari; F. Trischitta  
*Comparative biochemistry and physiology. Part A, Molecular & integrative physiology* 158 (2011): 143–149.

<https://dx.doi.org/10.1016/j.cbpa.2010.10.002>

**16)-Si(111) Surface Engineered with Ordered Nanostructures by an Atom Transfer Radical Polymerization**

P. Mineo; A. Motta; F. Lupo; L. Renna; A. Gulino

*Journal of physical chemistry. C* 115 (2011): 12293–12298.

<https://dx.doi.org/10.1021/jp202056y>

**17)-Covalent nano-clip and nano-box compounds based on free base porphyrins**

E. Scamporrino; P. Mineo; D. Vitalini

*Tetrahedron (Oxf., Print)* 67 (2011): 3705–3713.

<https://dx.doi.org/10.1016/j.tet.2011.03.072>

**18)-Stratified dust grains in the interstellar medium. III Infrared cross-sections**

Iatì M. A.; Cecchi-Pestellini C.; Cacciola A.; Saija R.; Denti P.; Borghese F.

*Journal of Quantitative Spectroscopy & Radiative Transfer* 112 (2011): 1898–1906.

<http://www.cnr.it/prodotto/i/40791>

info:cnr-pdr/source/autori:Iatì M. A., Cecchi-Pestellini C., Cacciola A., Saija R., Denti P., Borghese F./titolo:Stratified dust grains in the interstellar medium. III Infrared cross-sections/

**19)-Fano-Doppler laser cooling of hybrid nanostructures**

Ridolfo A.; Saija R.; Savasta S.; Jones P. H.; Iatì M. A.; Maragò O. M.

*ACS nano* 5 (2011): 7354–7361.

<http://www.cnr.it/prodotto/i/40792>

info:cnr-pdr/source/autori:Ridolfo A., Saija R., Savasta S., Jones P. H., Iatì M. A., Maragò O. M./titolo:Fano-Doppler laser cooling of hybrid nanostructures/

**20)-Variations in the work function of doped single- and few-layer graphene assessed by Kelvin probe force microscopy and density functional theory**

Ziegler D.; Gava P.; Guttinger J.; Molitor F.; Wirtz L.; Lazzeri M.; Saitta A.M.; Stemmer A.; Mauri F.; Stampfer C.subjectBILAYER GRAPHENESUBJECTELECTRON TRANSISTOR

*83* (2011): 235434.

<http://www.cnr.it/prodotto/i/40796>

info:cnr-pdr/source/autori:Ziegler D., Gava P., Guttinger J., Molitor F., Wirtz L., Lazzeri M., Saitta A.M., Stemmer A., Mauri F., Stampfer C./titolo:Variations in the work function of doped single- and few-layer graphene assessed by Kelvin probe force microscopy and density functional theory/

**21)-Fission diamond detectors for fast-neutron ToF spectroscopy**

Pietropaolo, A [ 1,2 ]; Andreani, C [ 1,2 ]; Rebai, M [ 3,4 ]; Giacomelli, L [ 3,4 ]; Gorini, G [ 3,4 ]; Cippo, EP [ 3,4 ]; Tardocchi, M [ 5 ]; Fazzi, A [ 6 ]; Rinati, GV [ 7 ]; Verona, C [ 7 ]; Marinelli, M [ 7 ]; Milani, E [ 7 ]; Frost, CD [ 8 ]; Schooneveld, EM [ 8 ]subjectCHEMICAL-VAPOR-DEPOSITIONsubjectEFFICIENCY TIME

*Europhysics letters (Print)* 94 (2011): 62001.

<https://dx.doi.org/10.1209/0295-5075/94/62001>

## **22)-Tungsten trioxide (WO(3-x)) nanoparticles prepared by pulsed laser ablation in water**

Barreca F.; Acacia N.; Spadaro S.; Currò G.; Neri F.subjectGAS-SENSINGsubjectTHIN-FILMSsubjectSOL-GEL

*Materials chemistry and physics (Print)* 127 (2011): 197–202.

<http://www.cnr.it/prodotto/i/40799>

info:cnr-pdr/source/autori:Barreca F., Acacia N., Spadaro S., Currò G., Neri F./titolo:Tungsten trioxide (WO(3-x)) nanoparticles prepared by pulsed laser ablation in water/

## **23)-Pressure-Induced Polyamorphism in Salty Water**

Bove L. E.; Klotz S.; Philippe J.; Saitta A. M.)subjectAMORPHOUS ICESsubjectLIQUID TRANSITION

*Physical review letters (Print)* 106 (2011): 125701.

<http://www.cnr.it/prodotto/i/40801>

info:cnr-pdr/source/autori:Bove L. E., Klotz S., Philippe J., Saitta A. M.)/titolo:Pressure-Induced Polyamorphism in Salty Water/

## **24)-Non destructive neutron diffraction measurements of cavities, inhomogeneities, and residual strain in bronzes of Ghiberti's relief from the Gates of Paradise**

Festa G.; Senesi R.; Alessandroni M.; Andreani C.; Vitali G.; Porcinai S.; Giusti A. M.; Materna T.; Paradowska A. M.

*Journal of applied physics* 109 (2011): 064908.

<http://www.cnr.it/prodotto/i/40802>

info:cnr-pdr/source/autori:Festa G., Senesi R., Alessandroni M., Andreani C., Vitali G., Porcinai S., Giusti A. M., Materna T., Paradowska A. M./titolo:Non destructive neutron diffraction measurements of cavities, inhomogeneities, and residual strain in bronzes of Ghiberti's relief from the Gates of Paradise/

## **25)-Atomically resolved surface structures of vapor deposited amorphous silicon-carbon alloys: An atomic force microscopy and spectroscopic study**

Barletta E.; Fazio E.; Neri F.; Wandelt K.subjectPULSED-LASER ABLATIONsubjectHETEROEPITAXIAL GROWTH

*Thin solid films (Print)* 519 (2011): 3141–3145.

<http://www.cnr.it/prodotto/i/40803>

info:cnr-pdr/source/autori:Barletta E., Fazio E., Neri F., Wandelt K./titolo:Atomically resolved surface structures of vapor deposited amorphous silicon-carbon alloys: An atomic force microscopy and spectroscopic study/

**26)-Imaging of cultural heritage objects using neutron resonances**

Cippo, EP [ 1,2 ]; Borella, A [ 3 ]; Gorini, G [ 1,2 ]; Kockelmann, W [ 4 ]; Moxon, M; Postma, H [ 5 ]; Rhodes, NJ [ 4 ]; Schillebeeckx, P [ 3 ]; Schoonenveld, EM [ 4 ]; Tardocchi, M [ 6 ]; Dusz, K [ 7 ]; Hajnal, Z [ 7 ]; Biro, K [ 7 ]; Porcinai, S [ 8 ]; Andreani, C [ 9,10 ]; Festa, G [ 9,10 ]subjectNONDESTRUCTIVE ANALYSIS

*Journal of analytical atomic spectrometry (Print)* 26 (2011): 992–999.

<https://dx.doi.org/10.1039/c0ja00256a>

**27)-Low temperature specific heats of permanently densified glassy GeO(2)**

Carini G. Jr.; Carini G.; D'Angelo G.; Tripodo G.; Orsingher L.; Fontana A.subjectTHERMAL-CONDUCTIVITYsubjectBOSON PEAK

*91 (2011): 1877–1886.*

<http://www.cnr.it/prodotto/i/40807>

info:cnr-pdr/source/autori:Carini G. Jr., Carini G., D'Angelo G., Tripodo G., Orsingher L., Fontana A./titolo:Low temperature specific heats of permanently densified glassy GeO(2)/

**28)-Interaction of single water molecules with silanols in mesoporous silica**

Pantalei C.; Senesi R.; Andreani C.; Sozzani P.; Comotti A.; Bracco S.; Beretta M.; Sokol P.E.; Reiter G.subjectINELASTIC NEUTRON-SCATTERINGsubjectSUPERCOOLED WATER

*PCCP. Physical chemistry chemical physics (Print)* 13 (2011): 6022–6028.

<http://www.cnr.it/prodotto/i/40808>

info:cnr-pdr/source/autori:Pantalei C., Senesi R., Andreani C., Sozzani P., Comotti A., Bracco S., Beretta M., Sokol P.E., Reiter G./titolo:Interaction of single water molecules with silanols in mesoporous silica/

**29)-Recrystallization processes in cold-crystallized poly(ethylene terephthalate): Interplay between structure evolution and conformational relaxation**

A. Flores; F.J. Baltá-Calleja; G. Di Marco; S. Sturniolo; M. PieruccinisubjectCrystallization; Mechanical response; Statistical mechanics

*Polymer (Guildford)* 52 (2011): 3155–3162.

<https://dx.doi.org/10.1016/j.polymer.2011.05.013>

**30)-Effects of a short length alcohol on the dimyristoylphosphatidylcholine system**

S. Rifichi; C. Crupi; G. D'Angelo; G. Di Marco; G. Sabatino; V. Conti Nibali; A. Trimarchi; U. Wanderlingh

(2011).

<http://www.cnr.it/prodotto/i/40810>

info:cnr-pdr/source/autori:S. Rifichi; C. Crupi; G. D'Angelo; G. Di Marco; G. Sabatino; V. Conti Nibali; A. Trimarchi; U. Wanderlingh/titolo:Effects of a short length alcohol on the dimyristoylphosphatidylcholine system/

**31)-Ossi P. M., Neri F., Santo N., Trusso S.**

Noble metal nanoparticles produced by nanosecond laser ablation.  
*104 (2011): 829–837.*

<http://www.cnr.it/prodotto/i/40811>

info:cnr-pdr/source/autori:Noble metal nanoparticles produced by nanosecond laser ablation./titolo:Ossi P. M., Neri F., Santo N., Trusso S./

**32)-Ag and Au nanoparticles for SERS substrates produced by pulsed laser ablation**

Agarwal N. R.; Fazio E.; Neri F.; Trusso S.; Castiglioni C.; Lucotti A.; Santo N.; Ossi P. M.subjectLaser AblationsubjectNanoparticlessubjectPlasmonssubjectThin FilmssubjectSERS  
*Crystal research and technology (1981) 46 (2011): 836–840.*

<https://dx.doi.org/10.1002/crat.201000588>

**33)-Hexatic Phase in the Two-Dimensional Gaussian-Core Model**

Prestipino S.; Saija F.; Giaquinta P. V.  
*Physical review letters (Print) 106 (2011): 235701.*

<https://dx.doi.org/10.1103/PhysRevLett.106.235701>

**34)-SERS activity of pulsed laser ablated silver thin films with controlled nanostructure**

Fazio E.; Neri F.; D'Andrea C.; Ossi P.M.; Santo N.; Trusso S.  
*Journal of Raman spectroscopy 42 (2011): 1298–1304.*

<http://www.cnr.it/prodotto/i/40815>

info:cnr-pdr/source/autori:Fazio E., Neri F., D'Andrea C., Ossi P.M., Santo N., Trusso S./titolo:SERS activity of pulsed laser ablated silver thin films with controlled nanostructure/

**35)-A new type of transparent and low cost counter-electrode based on platinum nanoparticles for dye-sensitized solar cells**

Calogero G.; Calandra P.; Irrera A.; Sinopoli A.; Citro I.; Di Marco G.subjectlow-cost transparent cathodesubjectplatinum nanoparticles  
*Energy & environmental science (Online) 4 (2011): 1838–1844.*

<https://dx.doi.org/10.1039/C0EE00463D>

**36)-Synthesis by pulsed laser ablation in Ar and SERS activity of silver thin films with controlled nanostructure**

D'Andrea C.; Neri F.; Ossi P. M.; Santo N.; Trusso S.  
*Laser physics 21 (2011): 818–822.*

<http://www.cnr.it/prodotto/i/40817>

info:cnr-pdr/source/autori:D'Andrea C., Neri F., Ossi P. M., Santo N., Trusso S./titolo:Synthesis by pulsed laser ablation in Ar and SERS activity of silver thin films with controlled nanostructure/

**37)-Relaxation dynamics and evidence of scaling behaviours in aqueous polymer solutions**

Aliotta F.; Ponterio R. C.; Saija F.; Gapinski J.; Pochylski M.

*Journal of molecular liquids (Print) 159 (2011): 105–111.*

<https://dx.doi.org/10.1007/s00396-002-0825-6>

**38)-Charge interaction of low generation dendrimers during zeolite formation**

Lombardo D.; Bonaccorsi L.; Longo A.; Proverbio E.; Calandra P.

*Journal of non-crystalline solids 357 (2011): 771774.*

<http://www.cnr.it/prodotto/i/40819>

info:cnr-pdr/source/autori:Lombardo D., Bonaccorsi L., Longo A., Proverbio E., Calandra P./titolo:Charge interaction of low generation dendrimers during zeolite formation/

**39)-The fourth virial coefficient of a nonadditive hard-disc mixture**

Saija F.

*PCCP. Physical chemistry chemical physics (Print) 13 (2011): 11885–11891.*

<https://dx.doi.org/10.1039/c0cp02625e>

**40)-Cluster synthesis and assembling in laser-generated plasmas**

Neri F.; Ossi P. M.; Trusso S.

*34 (2011): 103–149.*

<http://www.cnr.it/prodotto/i/40822>

info:cnr-pdr/source/autori:Neri F., Ossi P. M., Trusso S./titolo:Cluster synthesis and assembling in laser-generated plasmas/

**41)-Statistical mechanical approach to secondary processes and structural relaxation in glasses and glass formers**

Crisanti, A. (1,2); Leuzzi, L. (2,3); Paoluzzi, M. (3,4)subjectMEAN-FIELD-THEORYsubjectBETA-RELAXATIONsubjectVISCOUS-LIQUIDSsubjectSPIN-GLASSESsubjectSUPERCOOLED LIQUIDS

*The European physical journal. E, Soft matter (Print) 34 (2011): 98.*

<https://dx.doi.org/10.1140/epje/i2011-11098-3>

**42)-SPECTRAL DEPENDENCE OF THE AMPLIFICATION FACTOR IN SURFACE ENHANCED RAMAN SCATTERING**

D'Andrea, C.; Fazio, B.; Irrera, A.; Artoni, P.; Marago, O.M.; Calogero, G.; Gucciardi, P.G.

*89 SI (2011).*

<http://www.cnr.it/prodotto/i/66471>

info:cnr-pdr/source/autori:D'Andrea, C.; Fazio, B.; Irrera, A.; Artoni, P.; Marago, O.M.; Calogero, G.; Gucciardi, P.G./titolo:SPECTRAL DEPENDENCE OF THE AMPLIFICATION FACTOR IN SURFACE ENHANCED RAMAN SCATTERING/

**43)-SURFACE ENHANCED RAMAN SPECTROSCOPY OF BIOMOLECULES IN BUFFER SOLUTION**

Fazio, B.; D'Andrea, C.; Villari, V.; Micali, N.; Marago, O.M.; Calogero, G.; Gucciardi P.G.



*Atti della Accademia Peloritana dei Pericolanti. Classe di Scienze Fisiche, Matematiche e Naturali (Online) 89S1 (2011).*

<http://www.cnr.it/prodotto/i/66472>

info:cnr-pdr/source/autori:Fazio, B.; D'Andrea, C.; Villari, V.; Micali, N.; Marago, O.M.; Calogero, G.; Gucciardi P.G./titolo:SURFACE ENHANCED RAMAN SPECTROSCOPY OF BIOMOLECULES IN BUFFER SOLUTION/

#### **44)-STRONGLY POLARIZED SCATTERING IN SURFACE ENHANCED RAMAN SPECTROSCOPY OF RANDOMLY DISTRIBUTED MOLECULES ON GOLD NANOWIRES**

Fazio, B.; Gucciardi, P.G.; D'Andrea, C.; Irrera, A.; Boanccorso, F.; Calogero, G.; Vasi, C.; Allegrini, M.; Toma, A.; Chiappe, D.; Martella, Ch.; Buatier de Mongeot, F.subjectRamansubjectSpectroscopy

*Atti dell'Accademia Peloritana dei Pericolanti 89 (2011).*

<http://www.cnr.it/prodotto/i/66473>

info:cnr-pdr/source/autori:Fazio, B.; Gucciardi, P.G.; D'Andrea, C.; Irrera, A.; Boanccorso, F.; Calogero, G.; Vasi, C.; Allegrini, M.; Toma, A.; Chiappe, D.; Martella, Ch.; Buatier de Mongeot, F./titolo:STRONGLY POLARIZED SCATTERING IN SURFACE ENHANCED RAMAN SPECTROSCOPY OF RANDOMLY DISTRIBUTED MOLECULES ON GOLD NANOWIRES/

#### **45)-Modeling Galactic extinction**

Cecchi-Pestellini C.; Mulas G.; Casu S.; Iati M. A.; Saija R.; Cacciola A.; Borghese F.; Denti P. *Atti della Accademia Peloritana dei Pericolanti. Classe di Scienze Fisiche, Matematiche e Naturali (Online) 89-S1 (2011).*

<http://www.cnr.it/prodotto/i/66475>

info:cnr-pdr/source/autori:Cecchi-Pestellini C., Mulas G., Casu S., Iati M. A., Saija R., Cacciola A., Borghese F., Denti P./titolo:Modeling Galactic extinction/

#### **46)-Optical trapping of carbon nanotubes and graphene**

Vasi S.; Monaca M. A.; Donato M. G.; Bonaccorso F.; Privitera G.; Trushkevych O.; Calogero G.; Fazio B.; Irrera A.; Iati M. A.; Saija R.; Denti P.; Borghese F.; Jones P. H.; Ferrari A. C.; Gucciardi P. G.; Marago O. M.

*Atti della Accademia Peloritana dei Pericolanti. Classe di Scienze Fisiche, Matematiche e Naturali (Online) 89-S1 (2011).*

<http://www.cnr.it/prodotto/i/66476>

info:cnr-pdr/source/autori:Vasi S., Monaca M. A., Donato M. G., Bonaccorso F., Privitera G., Trushkevych O., Calogero G., Fazio B., Irrera A., Iati M. A., Saija R., Denti P., Borghese F., Jones P. H., Ferrari A. C., Gucciardi P. G., Marago O. M./titolo:Optical trapping of carbon nanotubes and graphene/

#### **47)-Liquid crystal bubbles forming a tunable micro-lenses array**

R.Hamdi; G.Petriashvili; G.Lombardo; MP. De Santo; R.Barberis  
subjectCholesteric liquid crystals  
subjectlens  
subjectelectro-optics

*Journal of applied physics (online)* 110 (2011): 07492-1–07492-6.

<https://dx.doi.org/10.1063/1.3642972>

**48)-Synthesis and characterization of new copolyacrylates containing porphyrin units as pendant groups and their use as sensors**

S. Datilo; P. Mineo; E. Scamporrino; E. Spina; D. Vitalini

*Journal of polymer science. Part A, Polymer chemistry* 49 (2011): 796–802.

<https://dx.doi.org/10.1002/pola.24494>

**49)-The photosynthetic membrane proteome of Rhodobacter sphaeroides R-26.1 exposed to cobalt**

Italiano F; D'Amici GM; Rinalducci S; De Leo F; Zolla L; Gallerani R; Trotta M; Ceci LR.  
subjectRhodobacter sphaeroides; Bioremediation; Intracytoplasmic membrane; Blue native PAGE; Proteomics

*Research in microbiology (Paris)* 162 (2011): 520–527.

<https://dx.doi.org/10.1016/j.resmic.2011.04.008>

**50)-Supramolecular chirality transfer to large random aggregates of porphyrins**

Ilaria Occhiuto; Giovanna De Luca; Valentina Villari; Andrea Romeo; Norberto Micali; Robert F. Pasternack; Luigi Monsù Scolaro

*Chemical communications (Lond., 1996, Print)* 47 (2011): 6045–6047.

<https://dx.doi.org/10.1039/C1CC11165E>

**51)-Optical Enhancement and Structural Properties of a Hybrid Organic-Inorganic Ternary Nanocomposite**

Valentina Villari; Antonino Mazzaglia; Mariachiara Trapani; Maria Angela Castriciano; Giovanna De Luca; Andrea Romeo; Luigi Monsù Scolaro; Norberto Micali

*Journal of physical chemistry. C* 115 (2011): 5435–5439.

<http://www.cnr.it/prodotto/i/170511>

info:cnr-pdr/source/autori:Valentina Villari; Antonino Mazzaglia; Mariachiara Trapani; Maria Angela Castriciano; Giovanna De Luca; Andrea Romeo; Luigi Monsù Scolaro; Norberto Micali/titolo:Optical Enhancement and Structural Properties of a Hybrid Organic-Inorganic Ternary Nanocomposite/

**52)-Effective cell uptake of nanoassemblies of a fluorescent amphiphilic cyclodextrin and an anionic porphyrin**

A. Mazzaglia; A. Valerio; N. Micali; V. Villari; F. Quaglia; M. A. Castriciano; L. Monsù Scolaro; M. Giuffrè; G. Siracusano; M. T. Sciortino

*Chemical communications (Lond., 1996, Print)* 47 (2011): 9140–9142.

<https://dx.doi.org/10.1039/c1cc12821c>

**53)-Structural properties of pulsed laser deposited SnO(x) thin films**

Fazio E.; Neri F.; Ruggeri R.; Sabatino G.; Trusso S.; Mannino G.

*Applied surface science* 257 (2011): 2520–2525.

<http://www.cnr.it/prodotto/i/170879>

info:cnr-pdr/source/autori:Fazio E., Neri F., Ruggeri R., Sabatino G., Trusso S., Mannino G./titolo:Structural properties of pulsed laser deposited SnO(x) thin films/

**54)-Thiophene Based Europium beta-Diketonate Complexes: Effect of the Ligand Structure on the Emission Quantum Yield**

Freund C.; Porzio W.; Giovanella U.; Vignali F.; Pasini M.; Destri S.; Mech A.; Di Pietro S.; Di Bari L.; Mineo P.subjectEu complexsubjectLuminescence quenchingsubjectEu-H distance

*Inorganic chemistry* 50 (2011): 5417–5429.

<https://dx.doi.org/10.1021/ic1021164>

**55)-Scaling the Chirality in Porphyrin J-nanoaggregates**

Mariangela Castriciano; Andrea Romeo; Giovanna De Luca; Valentina Villari; Luigi Monsù Scolaro; Norberto Micali

*Journal of the American Chemical Society (Print)* 133 (2011): 765–767.

<https://dx.doi.org/10.1021/ja110028g>

**56)-Spectroscopic Investigation and Molecular Modeling on Porphyrin/PAMAM Supramolecular Adduct**

Maria Angela Castriciano; Andrea Rome; Nicola Angelini; Norberto Micali; Salvatore Guccione; Luigi Monsù Scolaro

*Photochemistry and photobiology* 87 (2011): 292–301.

<https://dx.doi.org/10.1111/j.1751-1097.2010.00872.x>

**57)-Optical trapping of porous silicon nanoparticles**

M. G. Donato; M. A. Monaca; G. Faggio; L. De Stefano; P. H. Jones; P. G. Gucciardi; O. M. Marago'subjectoptical trappingsubjectporous silicon nanoparticlessubjectcylindrical vector beamssubjectradial polarization

*Nanotechnology (Bristol. Print)* 22 (2011): 505704.

<https://dx.doi.org/10.1088/0957-4484/22/50/505704>

**58)-PiBrED--A novel bragg edge detector for neutrons**

V. Finocchiaro a; b; F. Aliotta b; D. Tresoldi b; R.C. Ponterio b; C.S. Vasi b; G. Salvato b; nsubjectNeutron detectorssubjectBragg edge detectorssubjectEnergy selective neutron imaging

*Nuclear instruments & methods in physics research. Section A, Accelerators, spectrometers, detectors and associated equipment (Online)* 659 (2011): 383–386.

<https://dx.doi.org/10.1016/j.nima.2011.08.025>

- 59)-Structural changes and elastic characteristics of permanently densified vitreous B2O3**  
Giovanni Carini Jr.; Edmondo Gilioli; Gaspare Tripodo; Cirino Vasisubject78.30.Lysubject63.50.Lm  
*Physical review. B, Condensed matter and materials physics (Online)* 84 (2011): 024207-1.  
<https://dx.doi.org/10.1103/PhysRevB.84.024207>
- 60)-Rattling ions and the anomalous vibrational dynamics of glasses**  
D'Angelo G.; Crupi C.; Carini G.; Vasi C.subjectBOSON PEAKsubjectTHERMAL-CONDUCTIVITYsubjectCRYSTAL-STRUCTUREsubjectSCATTERINGsubjectFRAGILITY  
*Physical review. B, Condensed matter and materials physics* 24 (2011): Article Number: 172201.  
<https://dx.doi.org/10.1103/PhysRevB.84.172201>
- 61)-Collective acoustic modes in liquids: A comparison between the generalized-hydrodynamics and memory-function approaches**  
Aliotta F.; Gapinski J.; Pochylski M.; Ponterio R. C.; Saija F.; Vasi C.  
*Physical review. E, Statistical, nonlinear, and soft matter physics (Print)* 84 (2011): 051202.  
<https://dx.doi.org/10.1103/PhysRevE.84.051202>
- 62)-Optical trapping and optical binding using cylindrical vector beams**  
Skelton S.E.; Sergides M.; Patel R.; Karczewska E.; Marago O.M.; Jones P. H.  
*Atti dell'Accademia Peloritana dei Pericolanti* 89 (2011): C1V89S1P004.  
<https://dx.doi.org/10.1478/C1V89S1P004>
- 63)-Tuning the structural and optical properties of gold/silver nanoalloys prepared by laser ablation in liquids for ultra-sensitive spectroscopy and optical trapping**  
Messina E.; D'Urso L.; Satriano C.; Fazio E.; Donato M. G.; Fazio B.; D'Andrea C.; Marago' O. M.; Gucciardi P.G.; Compagnini G.; Neri F.  
*Atti dell'Accademia Peloritana dei Pericolanti* 89 (2011): C1V89S1P064.  
<https://dx.doi.org/10.1478/C1V89S1P064>
- 64)-Catalytic Wet Air Oxidation of p-Coumaric Acid over Carbon Nanotubes and Activated Carbon**  
Milone, Candida; Hameed, Abdul Rahim Shahul; Piperopoulos, Elpida; Santangelo, Saveria; Lanza, Maurizio; Galvagno, Signorino  
*Industrial & engineering chemistry research* 50 (2011): 9043–9053.  
<http://www.cnr.it/prodotto/i/199143>  
info:cnr-pdr/source/autori:Milone, Candida; Hameed, Abdul Rahim Shahul; Piperopoulos, Elpida; Santangelo, Saveria; Lanza, Maurizio; Galvagno, Signorino/titolo:Catalytic Wet Air Oxidation of p-Coumaric Acid over Carbon Nanotubes and Activated Carbon/
- 65)-On the CVD Growth of C Nanotubes Over Fe-Loaded Montmorillonite Catalysts**

S Santangelo; E Piperopoulos; M Lanza; G Faggio; G Messina; C Milone  
*Nanomaterials and Nanotechnology 1 (2011): 32–41.*  
<http://www.cnr.it/prodotto/i/199146>

info:cnr-pdr/source/autori:S Santangelo, E Piperopoulos, M Lanza, G Faggio, G Messina, C Milone/titolo:On the CVD Growth of C Nanotubes Over Fe-Loaded Montmorillonite Catalysts/

**66)-Polylactide and carbon nanotubes/smectite-clay nanocomposites: Preparation, characterization, sorptive and electrical properties**

Santangelo, Saveria; Gorrasi, Giuliana; Di Lieto, Roberta; De Pasquale, Salvatore; Patimo, Giovanni; Piperopoulos, Elpida; Lanza, Maurizio; Faggio, Giuliana; Mauriello, Francesco; Messina, Giacomo; Milone, Candida  
*Applied clay science (Print) 53 (2011): 188–194.*  
<http://www.cnr.it/prodotto/i/199140>

info:cnr-pdr/source/autori:Santangelo, Saveria; Gorrasi, Giuliana; Di Lieto, Roberta; De Pasquale, Salvatore; Patimo, Giovanni; Piperopoulos, Elpida; Lanza, Maurizio; Faggio, Giuliana; Mauriello, Francesco; Messina, Giacomo; Milone, Candida/titolo:Polylactide and carbon nanotubes/smectite-clay nanocomposites: Preparation, characterization, sorptive and electrical properties/

**67)-Synthesis and analysis of multi-walled carbon nanotubes/oxides hybrid materials for polymer composite applications**

Piperopoulos, E.; Santangelo, S.; Lanza, M.; Faggio, G.; Messina, G.; Galvagno, S.; Pistone, A.; Milone, C.  
*Diamond and related materials 20 (2011): 532–537.*  
<http://www.cnr.it/prodotto/i/199137>

info:cnr-pdr/source/autori:Piperopoulos, E.; Santangelo, S.; Lanza, M.; Faggio, G.; Messina, G.; Galvagno, S.; Pistone, A.; Milone, C./titolo:Synthesis and analysis of multi-walled carbon nanotubes/oxides hybrid materials for polymer composite applications/

**68)-Long-term corneal wavefront aberration variations after photorefractive keratectomy for myopia and myopic astigmatism**

S. Serrao; G. Lombardo; P. Ducoli; M. Lombardo  
subjectHIGHER-ORDER ABERRATIONS  
subjectIN-SITU KERATOMILEUSIS  
subjectLASER REFRACTIVE SURGERY  
subjectATOMIC-FORCE MICROSCOPY  
*Journal of cataract and refractive surgery 37 (2011): 1655–1666.*  
<https://dx.doi.org/10.1016/j.jcrs.2011.03.046>

**69)-Long-term changes of the anterior cornea after photorefractive keratectomy for myopia and myopic astigmatism**

M. Lombardo; G. Lombardo; P. Ducoli; S. Serrao  
subject10-YEAR FOLLOW-UP  
subjectREFRACTIVE SURGERY  
subjectABLATION DIAMETER  
subjectCURVATURE  
subjectSTROMA  
*Investigative ophthalmology & visual science 52 (2011): 6994–7000.*

<https://dx.doi.org/10.1167/iovs.10-7052>

**70)-Anion-Assisted Supramolecular Polymerization: From Achiral AB-Type Monomers to Chiral Assemblies**

Capici; C.; Cohen; Y.; D'Urso; A.; Gattuso; G.; Notti; A.; Pappalardo; A.; Pappalardo; S.; Parisi; M.F.; Purrello; R.; Slovak; S.; Villari; V.

*Angewandte Chemie (Int. ed., Print)* 50 (2011): 11956–11961.

<https://dx.doi.org/10.1002/anie.201104357>

**71)-Effect of elastic properties modification on the vibrational density of states: A joint Brillouin and Raman scattering study**

S. Caponi; S. Corezzi; D. Fioretto; A. Fontana; F. Rossisubjectdegree of polymerization (DP)subjectglass transitionssubjectRaman spectroscopysubjectresinssubjectviscoelastic properties  
*Journal of applied polymer science (Print)* 122 (2011): 3672–3676.

<https://dx.doi.org/10.1002/app.34780>

**72)-Raman spectroscopic and low-temperature calorimetric investigation of the low-energy vibrational dynamics of hen egg-white lysozyme**

Crupi; C.; D'Angelo; G.; Wanderlingh; U.; Vasi; C.subjectlow-frequency dynamicssubjectlysozymesubjectbiological materialssubjectboson peakssubjectcalorimetrysubjectRaman spectroscopysubjectspecific heatsubjectvibrational propertiesubjectINELASTIC NEUTRON-SCATTERINGsubjectPROTEIN DYNAMICSsubjectGLASS-TRANSITIONsubjectHYDRATION WATERsubjectMODESsubjectMOLECULESsubjectLIQUIDSsubjectHEAT

*Philosophical magazine (2003, Print)* 91 (2011): 1956–1965.

<https://dx.doi.org/10.1080/14786435.2010.535035>

**73)-Modeling of the particle scattering structure factor for branched bio-polymers in solution: A X-ray scattering study**

Pietro Calandra; Mikhail A. Kiselev; Domenico Lombardo

*Atti della Accademia Peloritana dei Pericolanti. Classe di Scienze Fisiche, Matematiche e Naturali (Online)* 89 (2011): P020-1–P020-5.

<http://www.cnr.it/prodotto/i/316566>

info:cnr-pdr/source/autori:Pietro Calandra, Mikhail A. Kiselev, Domenico Lombardo/titolo:Modeling of the particle scattering structure factor for branched bio-polymers in solution: A X-ray scattering study/

**74)-Application of phenomenological freezing and melting indicators to exp-6 and Gaussian core potentials**

Khrapak S. V.; Saija F.subjectmelting and freezing; re-entrant melting; melting indicator; exp-6 potential; Gaussian core model

*Molecular physics (Print)* 109 (2011): 2417–2421.

<https://dx.doi.org/10.1080/00268976.2011.616544>

**75)-A Criterion for Anomalous Melting in Systems with Isotropic Interactions**

Malescio G.; Saija F.

*The journal of physical chemistry. B* 115 (2011): 14091–14098.

<https://dx.doi.org/10.1021/jp203939c>

**76)-Anomalous melting and solid polymorphism of a modified inverse-power potential**

Malescio G.; Prestipino S.; Saija F.subjectanomalous melting; solid polymorphism; hypernetted-chain approximation

*Molecular physics (Print)* 109 (2011): 2837–2844.

<https://dx.doi.org/10.1080/00268976.2011.609146>

**77)-Strongly polarized scattering in surface enhanced raman spectroscopy of randomly distributed molecules on gold nanowires**

Fazio, B.; Gucciardi, P. G.; D'Andrea, C.; Irrera, A.; Bonaccorso, F.; Calogero, G.; Vasi, C.; Allegrini, M.; Toma, A.; Chiappe, D.; Martella, C.; De Mongeot, F. BuatiersubjectRamansubjectSpectroscopy

*Atti della Accademia Peloritana dei Pericolanti, Classe di Scienze Fisiche, Matematiche e Naturali (Testo stampato)* 89 (2011).

<https://dx.doi.org/10.1478/C1V89S1P034>

**78)-Re-radiation enhancement in polarized surface-enhanced resonant raman scattering of randomly oriented molecules on self-organized gold nanowires**

Fazio, Barbara; D'Andrea, Cristiano; Bonaccorso, Francesco; Bonaccorso, Francesco; Irrera, Alessia; Calogero, Giuseppe; Vasi, Cirino; Gucciardi, Pietro Giuseppe; Allegrini, Maria; Toma, Andrea; Toma, Andrea; Chiappe, Daniele; Martella, Christian; Buatier De Mongeot, Francescosubjectfield enhancementsubjectnanoantennassubjectnanowiressubjectpolarization effectssubjectRaman tensorsubjectself-organizationsubjectsurface-enhanced Raman spectroscopy

*ACS nano* 5 (2011): 5945–5956.

<https://dx.doi.org/10.1021/nn201730k>

**79)-Structural organization and phase behaviour of 1-butyl-3-methylimidazolium hexafluorophosphate: an high pressure Raman spectroscopy study**

Russina, Olga; Fazio, Barbara; Schmidt, Christian; Triolo, Alessandrosubjectionic liquid

*PCCP. Physical chemistry chemical physics (Print)* 13 (2011): 12067–12074.

<https://dx.doi.org/10.1039/c0cp02684k>

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

### **1)-LIGHT DEPOLARIZATION EFFECTS IN TIP ENHANCED RAMAN SPECTROSCOPY OF Si(001) AND GaAs(001)**

Gucciardi, P.G.; Valmalette, J.C.; Lopes, M.; Deturche, R.; Lamy de La Chapelle, M.; Barchiesi, D.; Bonaccorso, F.; D'Andrea, C.; Chaigneau, M.; Picardi, G.; Ossikovski, R.

*Electromagnetic and Light scattering XIII, Taormina, 2011*

<http://www.cnr.it/prodotto/i/66474>

info:cnr-pdr/source/autori:Gucciardi, P.G.; Valmalette, J.C.; Lopes, M.; Deturche, R.; Lamy de La Chapelle, M.; Barchiesi, D.; Bonaccorso, F.; D'Andrea, C.; Chaigneau, M.; Picardi, G.; Ossikovski, R./congresso\_nome:Electromagnetic and Light scattering XIII/congresso\_luogo:Taormina/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **2)-Effect of additives on natural dye sensitized solar cells**

Giuseppe Calogero; Jun-Ho Yum; Stefano Caramori; Alessandro Sinopoli; Gaetano Di Marco; Mohammad Khaja Nazeeruddin; Carlo Alberto Bignozzi

2011

<http://www.cnr.it/prodotto/i/117043>

info:cnr-pdr/source/autori:Giuseppe Calogero, Jun-Ho Yum, Stefano Caramori, Alessandro Sinopoli, Gaetano Di Marco, Mohammad Khaja Nazeeruddin and Carlo Alberto Bignozzi/congresso\_nome:/congresso\_luogo:/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **3)-Hybrid Solar Cells from Natural Pigments**

Giuseppe Calogero

*Sun New Energy Conference and Exhibition (SuNEC), Santa Flavia (PA), Italy, 2011*

<http://www.cnr.it/prodotto/i/117044>

info:cnr-pdr/source/autori:Giuseppe Calogero/congresso\_nome:Sun New Energy Conference and Exhibition (SuNEC)/congresso\_luogo:Santa Flavia (PA), Italy/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **4)-Effect of heterocyclic aromatic organic compounds in electrolyte on the current-voltage characteristics in natural dye sensitized solar cells**

Giuseppe Calogero; Alessandro Sinopoli; Gaetano Di Marco

*1° Workshop Fotovoltaico : Nuove Frontiere ed Applicazioni, Lecce, 2011*

<http://www.cnr.it/prodotto/i/117045>

info:cnr-pdr/source/autori:Giuseppe Calogero, Alessandro Sinopoli, Gaetano Di Marco/congresso\_nome:1° Workshop Fotovoltaico : Nuove Frontiere ed



Applicazioni/congresso\_luogo:Lecce/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**5)-Nematic order dynamics: order reconstruction**

R.Hamdi; G.Lombardo; F.Cosenza; H.Ayeb; R.Barberi

*European Conference on Liquid Crystals, University of Maribor Slovenia, 2011*

<http://www.cnr.it/prodotto/i/117334>

info:cnr-pdr/source/autori:R.Hamdi, G.Lombardo, F.Cosenza, H.Ayeb,  
R.Barberi/congresso\_nome:European Conference on Liquid  
Crystals/congresso\_luogo:University of Maribor  
Slovenia/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**6)-Different LO - TO mode amplification in Tip Enhanced Raman Spectroscopy of GaAs(001)**

Valmalette, J.C.; Gucciardi P.G.

*Tip Enhanced Raman Spectroscopy (TERS II), Teddington, 2011*

<http://www.cnr.it/prodotto/i/117390>

info:cnr-pdr/source/autori:Valmalette, J.C.; Gucciardi P.G./congresso\_nome:Tip Enhanced  
Raman Spectroscopy (TERS  
II)/congresso\_luogo:Teddington/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**7)-Polarization properties of Surface Enhanced Raman Spectroscopy from near-field coupled gold nanowires**

Fazio; B.

*SERS Round Table 2011, Poltersdorf, 2011*

<http://www.cnr.it/prodotto/i/117391>

info:cnr-pdr/source/autori:Fazio, B./congresso\_nome:SERS Round Table  
2011/congresso\_luogo:Poltersdorf/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**8)-Polarization dependent SERS from gold nanoantennas with engineered plasmon resonances**

D'Andrea, C.; Fazio, B.; Marago, O.M.; Gucciardi, P.G.; Toma, A.; Di Fabrizio, E.; Guillot, N.; Lamy de La Chapelle, M.

*The 5th conference on Surface Plasmon Photonics, Busan, Korea, 2011*

<http://www.cnr.it/prodotto/i/117392>

info:cnr-pdr/source/autori:D'Andrea, C.; Fazio, B.; Marago, O.M.; Gucciardi, P.G.; Toma, A.; Di  
Fabrizio, E.; Guillot, N.; Lamy de La Chapelle, M./congresso\_nome:The 5th conference on  
Surface Plasmon Photonics/congresso\_luogo:Busan,  
Korea/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**9)-Laser induced photothermal aggregation of gold nanrods for SERS detection of biomolecules in liquid environment**

Fazio, B.; D'Andrea, C.; Villari, V.; Micali, N.; Marago, O.M.; Iatì, M.A.; Calogero, G.; Gucciardi, P.G.

*The 5th conference on Surface Plasmon Photonics, Busan, Korea, 2011*

<http://www.cnr.it/prodotto/i/117393>

info:cnr-pdr/source/autori:Fazio, B.; D'Andrea, C.; Villari, V.; Micali, N.; Marago, O.M.; Iatì, M.A.; Calogero, G.; Gucciardi, P.G./congresso\_nome:The 5th conference on Surface Plasmon Photonics/congresso\_luogo:Busan,

Korea/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**10)-Strongly polarized SERS from randomly oriented molecules adsorbed on gold nanowires**

Fazio, B.; D'Andrea, C.; Vasi, C.; Bonaccorso, F.; Gucciardi, P.G.; Allegrini, M.; Toma, A.; Chiappe, D.; Buatier de Mongeot, F.

*The 5th conference on Surface Plasmon Photonics, Busan, Korea, 2011*

<http://www.cnr.it/prodotto/i/117394>

info:cnr-pdr/source/autori:Fazio, B.; D'Andrea, C.; Vasi, C.; Bonaccorso, F.; Gucciardi, P.G.; Allegrini, M.; Toma, A.; Chiappe, D.; Buatier de Mongeot, F./congresso\_nome:The 5th conference on Surface Plasmon Photonics/congresso\_luogo:Busan, Korea/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**11)-A raman study of MMP2 and MnSOD, two pathology biomarkers**

David, C.; Lamy de La Chapelle, M.; D'Andrea, C.; Fazio, B.; Marago, O.M.; Gucciardi, P.G.

*The 5th conference on Surface Plasmon Photonics, Busan, Korea, 2011*

<http://www.cnr.it/prodotto/i/117395>

info:cnr-pdr/source/autori:David, C.; Lamy de La Chapelle, M.; D'Andrea, C.; Fazio, B.; Marago, O.M.; Gucciardi, P.G./congresso\_nome:The 5th conference on Surface Plasmon Photonics/congresso\_luogo:Busan,

Korea/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**12)-Spectral dependence of the amplification factor in SERS**

D'Andrea, C.; Fazio, B.; Irrera, A.; Marago, O.M.; Iati, M.A.; Calogero, G.; Gucciardi P.G., Artoni, P.

*The 5th conference on Surface Plasmon Photonics, Busan, Korea, 2011*

<http://www.cnr.it/prodotto/i/117396>

info:cnr-pdr/source/autori:D'Andrea, C.; Fazio, B.; Irrera, A.; Marago, O.M.; Iati, M.A.; Calogero, G.; Gucciardi P.G., Artoni, P./congresso\_nome:The 5th conference on Surface

Plasmon

Photonics/congresso\_luogo:Busan,

Korea/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **13)-Polarization-sensitive Surface and Tip Enhanced Raman Spectroscopy**

Fazio, B.; Gucciardi, P.G.

*Summer school on Plasmonics, Functionalization and Biosensing, Heidelberg, 2011*

<http://www.cnr.it/prodotto/i/117397>

info:cnr-pdr/source/autori:Fazio, B.; Gucciardi, P.G./congresso\_nome:Summer school on Plasmonics, Functionalization and Biosensing/congresso\_luogo:Heidelberg/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **14)-Plasmon-enhanced optical manipulation and surface-enhanced Raman spectroscopy with metal nanoparticles**

Marago; O.M.

*Summer school on Plasmonics, Functionalization and Biosensing, Heidelberg, 2011*

<http://www.cnr.it/prodotto/i/117398>

info:cnr-pdr/source/autori:Marago, O.M./congresso\_nome:Summer school on Plasmonics, Functionalization and Biosensing/congresso\_luogo:Heidelberg/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **15)-High sensitivity detection of biomolecules with Surface Enhanced Raman Spectroscopy**

Gucciardi; P.G.

*NanoSensorPhotonics, Ein Bokek, Israel, 2011*

<http://www.cnr.it/prodotto/i/117399>

info:cnr-pdr/source/autori:Gucciardi, P.G./congresso\_nome:NanoSensorPhotonics/congresso\_luogo:Ein Bokek, Israel/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **16)-Graphene-based Natural Dye-Sensitized Solar Cells**

Bonaccorso, F.; Calogero, G.; Privitera, G.; Maragò, O.M.; Gucciardi, P.G.; Di Marco, G.; Ferrari, A.C.

*Graphene 2011, Bilbao, 2011*

<http://www.cnr.it/prodotto/i/117400>

info:cnr-pdr/source/autori:Bonaccorso, F.; Calogero, G.; Privitera, G.; Maragò, O.M.; Gucciardi, P.G.; Di Marco, G.; Ferrari, A.C./congresso\_nome:Graphene 2011/congresso\_luogo:Bilbao/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**17)-Nanowires Light Emitting Devices at Room Temperature**

P.Artoni; A.Irrera; F.Iacona; E. Pecora; G. Franzò; M.Galli; F. Priolo

*MRS Spring Meeting, San Francisco, 2011*

<http://www.cnr.it/prodotto/i/117406>

info:cnr-pdr/source/autori:P.Artoni, A.Irrera, F.Iacona, E. Pecora, G. Franzò, M.Galli, F. Priolo/congresso\_nome:MRS Spring Meeting/congresso\_luogo:San Francisco/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**18)-A Silicon Nanowire Light Emitting Device**

A.Irrera; P.Artoni; F.Iacona; E. Pecora; G. Franzò; M.Galli; B.Fazio; F. Priolo

*EMRS, Nizza, 2011*

<http://www.cnr.it/prodotto/i/117407>

info:cnr-pdr/source/autori:A.Irrera, P.Artoni, F.Iacona, E. Pecora, G. Franzò, M.Galli, B.Fazio, F.

Priolo/congresso\_nome:EMRS/congresso\_luogo:Nizza/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**19)-A Silicon Nanowire Light Emitting Device**

A.Irrera; P.Artoni; F.Iacona; G. Franzò; M.Galli; B.Fazio; F. Priolo

*The 8th International Conference on Group IV Photonics-IEEE, Londra, 2011*

<http://www.cnr.it/prodotto/i/117408>

info:cnr-pdr/source/autori:A.Irrera, P.Artoni, F.Iacona, G. Franzò, M.Galli, B.Fazio, F. Priolo/congresso\_nome:The 8th International Conference on Group IV Photonics-IEEE/congresso\_luogo:Londra/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**20)-Structural organization and phase behavior of 1-butyl-3-methylimidazolium hexafluorophosphate: an high pressure Raman spectroscopy study**

O. Russina; B. Fazio; C. Schmidt; A. Triolo

*COIL-4 (4th Congress on Ionic Liquids), Washington DC, 2011*

<http://www.cnr.it/prodotto/i/117409>

info:cnr-pdr/source/autori:O. Russina, B. Fazio, C. Schmidt, A. Triolo/congresso\_nome:COIL-4 (4th Congress on Ionic Liquids)/congresso\_luogo:Washington DC/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**21)-Structural organization and phase behavior of 1-butyl-3-methylimidazolium hexafluorophosphate: an high pressure Raman spectroscopy study**

O. Russina; B. Fazio; C. Schmidt; A. Triolo  
*Faraday Discussion 154: Ionic Liquids, Belfast, 2011*  
<http://www.cnr.it/prodotto/i/117410>

info:cnr-pdr/source/autori:O. Russina, B. Fazio, C. Schmidt, A. Triolo/congresso\_nome:Faraday Discussion 154: Ionic Liquids/congresso\_luogo:Belfast/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**22)-Enhanced Optical fields for aggregation of metal nanoantennas and label free highly sensitive detection of biomolecules**

Fazio B.

*Science at IPCF – A meeting in honor of Giorgio Parisi, Roma, 2011*  
<http://www.cnr.it/prodotto/i/117411>

info:cnr-pdr/source/autori:Fazio B./congresso\_nome:Science at IPCF – A meeting in honor of Giorgio Parisi/congresso\_luogo:Roma/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**23)-Enhanced Optical fields for aggregation of metal nanoantennas and label free highly sensitive detection of biomolecules**

Fazio B.

*1° GIORNATA DI STUDIO DEL DOTTORATO DI RICERCA IN FISICA DELL'UNIVERSITÀ DI MESSINA, Messina, 2011*  
<http://www.cnr.it/prodotto/i/117412>

info:cnr-pdr/source/autori:Fazio B./congresso\_nome:1° GIORNATA DI STUDIO DEL DOTTORATO DI RICERCA IN FISICA DELL'UNIVERSITÀ DI MESSINA/congresso\_luogo:Messina/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**24)-Fano Resonances in Si and Si Nanostructures**

B. Fazio; A. Irrera

*Symposium on “ Quantum interference”, Messina, 2011*  
<http://www.cnr.it/prodotto/i/117413>

info:cnr-pdr/source/autori:B. Fazio, A. Irrera/congresso\_nome:Symposium on “ Quantum interference”/congresso\_luogo:Messina/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**25)-Optical Trapping of Graphene**

M.G. Donato; F. Bonaccorso; G.Privitera; O. Trushkevych; P.G. Gucciardi; M.A. Iatì; B. Fazio; A. Irrera; P.H. Jones; R. Saija; A.C. Ferrari; O. M. Maragò  
*4th Workshop on Nanotube Optics and Nanospectroscopy (WONTON 2011), Bordeaux, France, 2011*

<http://www.cnr.it/prodotto/i/117414>

info:cnr-pdr/source/autori:M.G. Donato, F. Bonaccorso, G.Privitera, O. Trushkevych, P.G. Gucciardi, M.A. Iatì, B. Fazio, A. Irrera, P.H. Jones, R. Saija, A.C. Ferrari, O. M. Maragò/congresso\_nome:4th Workshop on Nanotube Optics and Nanospectroscopy (WONTON 2011)/congresso\_luogo:Bordeaux, France/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

## **26)-Raman Optical Trapping of Graphene**

M.G. Donato; G. Faggio; F. Bonaccorso; D. Alfieri; S. Santangelo; C. D'Andrea; B. Fazio; P.G. Gucciardi; A.C. Ferrari; O. M. Maragò; G. Messina

*GraphitaA Multidisciplinary and Intersectorial European Workshop on Synthesis, Characterization and Technological Exploitation of Graphene, Assergi, L'Aquila, 2011*

<http://www.cnr.it/prodotto/i/117415>

info:cnr-pdr/source/autori:M.G. Donato, G. Faggio, F. Bonaccorso, D. Alfieri, S. Santangelo, C. D'Andrea, B. Fazio, P.G. Gucciardi, A.C. Ferrari, O. M. Maragò, and G. Messina/congresso\_nome:GraphitaA Multidisciplinary and Intersectorial European Workshop on Synthesis, Characterization and Technological Exploitation of Graphene/congresso\_luogo:Assergi, L'Aquila/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

## **27)-Raman optical trapping of carbon nanotubes and graphene**

M. G. Donato; P. G. Gucciardi; S. Vasi; M. Monaca; R. Sayed; G. Calogero; P.H. Jones; O.M. Maragò

*Carbomat 2011- Workshop on Carbon-based Low dimensional Materials, Catania, Italy, 2011*

<http://www.cnr.it/prodotto/i/117416>

info:cnr-pdr/source/autori:M. G. Donato, P. G. Gucciardi, S. Vasi, M. Monaca, R. Sayed, G. Calogero, P.H. Jones, O.M. Maragò/congresso\_nome:Carbomat 2011- Workshop on Carbon-based Low dimensional Materials/congresso\_luogo:Catania, Italy/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

## **28)-Interaction of methylene blue with amphiphilic cyclodextrin: spectroscopic investigation**

C. Cannavà; M. Guardo; A. Mazzaglia; R. Stancanelli; s. Tommasini; C.A. Ventura; V. Villari  
*II European Conference on Cyclodextrins, Asti, 2011*

<http://www.cnr.it/prodotto/i/117417>

info:cnr-pdr/source/autori:C. Cannavà, M. Guardo, A. Mazzaglia, R. Stancanelli, s. Tommasini, C.A. Ventura, V. Villari/congresso\_nome:II European Conference on

Cyclodextrins/congresso\_luogo:Asti/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**29)-Supramolecular polymers: Interaction potential effect or concentration-dependent polymerization?**

V. Villari; G. Gattuso; A. Notti; A. Pappalardo; N. Micali

*25th ECIS Conference, Berlino, 2011*

<http://www.cnr.it/prodotto/i/117418>

info:cnr-pdr/source/autori:V. Villari, G. Gattuso, A. Notti, A. Pappalardo, N. Micali/congresso\_nome:25th ECIS Conference/congresso\_luogo:Berlino/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**30)-Scattering Enhancement in colloidal metal-organic composite aggregates**

V. Villari; A. Mazzaglia; M. Trapani; M. A. Castriciano; G. De Luca; B. Fazio; A. Romeo; L. Monsù Scolaro; N. Micali

*25th ECIS Conference, Berlino, 2011*

<http://www.cnr.it/prodotto/i/117419>

info:cnr-pdr/source/autori:V. Villari, A. Mazzaglia, M. Trapani, M. A. Castriciano, G. De Luca, B. Fazio, A. Romeo, L. Monsù Scolaro, N. Micali/congresso\_nome:25th ECIS Conference/congresso\_luogo:Berlino/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**31)-Femtonewton Force Sensing and Optical Trapping of Nanotubes and Graphene**

Marago' O. M.

*International Workshop on Metrology, Standardization and Industrial Quality of Graphene and Nanotubes (MSIGN11), Cambridge (UK), 2011*

<http://www.cnr.it/prodotto/i/117420>

info:cnr-pdr/source/autori:Marago' O. M./congresso\_nome:International Workshop on Metrology, Standardization and Industrial Quality of Graphene and Nanotubes (MSIGN11)/congresso\_luogo:Cambridge (UK)/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**32)-Proceedings of the ELECTROMAGNETIC AND LIGHT SCATTERING XIII CONFERENCE**

Borghese, F.; Denti, P.; Gucciardi, P.G.; Iatì, M.A.; Maragò, O.M.; Saija, R.

*Messina: Accademia Peloritana dei Pericolanti, 2011*

<http://www.cnr.it/prodotto/i/137302>

info:cnr-pdr/source/autori:Borghese, F.; Denti, P.; Gucciardi, P.G.; Iatì, M.A.; Maragò, O.M.; Saija, R./titolo:Proceedings of the ELECTROMAGNETIC AND LIGHT SCATTERING XIII CONFERENCE/editore:

/anno:2011

**33)-Report on the optical properties of coupled nanoantennas (D2.2 FP7 Project Nanoantenna)**

UHEI; CFM-CSIC; CNRS; CNR; CICN; IIT

2011

<http://www.cnr.it/prodotto/i/158362>

**34)-Dendrimers Based Nanostructures as Novel Materials for Advanced Energy Technologies**

Domenico Lombardo

*Workshop on New Materials for Renewable Energy, Trieste, 2011*

<http://www.cnr.it/prodotto/i/194540>

info:cnr-pdr/source/autori:Domenico Lombardo/congresso\_nome:Workshop on New Materials for Renewable Energy/congresso\_luogo:Trieste/congresso\_data:2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**35)-Preface: Introducing ELS XIII**

Borghese, F.; Denti, P.; Gucciardi, P.G.; Iatì, M.A.; Maragò, O.M.; Saija, R.

*Atti della Accademia Peloritana dei Pericolanti, Classe di Scienze Fisiche, Matematiche e Naturali, 2011*

<https://dx.doi.org/10.1478/C1V89S1P000>

info:cnr-pdr/source/autori:Borghese, F., Denti, P., Gucciardi, P.G., Iatì, M.A., Maragò, O.M., Saija, R./titolo:Preface: Introducing ELS XIII/titolo\_volume:Atti della Accademia Peloritana dei Pericolanti, Classe di Scienze Fisiche, Matematiche e Naturali/curatori\_volume:/editore:/anno:2011

**36)-Nanotubi di Carbonio Multi Walled come adsorbenti per pompe di calore ad adsorbimento a basse temperature**

E. Piperopoulos; C. Milone; L. Bonaccorsi; M. Lanza; S. Santangelo; E. Proverbio; G. Messina; S. Galvagno

*IV Workshop Nazionale AICIng, Modena, 16-17 Giugno 2011*

<http://www.cnr.it/prodotto/i/199430>



info:cnr-pdr/source/autori:E. Piperopoulos, C. Milone, L. Bonaccorsi, M. Lanza, S. Santangelo, E. Proverbio, G. Messina, S. Galvagno/congresso\_nome:IV Workshop Nazionale AICIng/congresso\_luogo:Modena/congresso\_data:16-17 Giugno 2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**37)-Carbon nanotubes as adsorbent for low temperature heat adsorption pumps.**

E. Piperopoulos; L. Bonaccorsi; M. Lanza; S. Santangelo; E. Proverbio; S. Galvagno; C. Milone

*INSTM VII Convegno Nazionale sulla Scienza e Tecnologia dei Materiali, Aci castello (CT), 26-29 Giugno 2011*

<http://www.cnr.it/prodotto/i/199431>

info:cnr-pdr/source/autori:E. Piperopoulos, L. Bonaccorsi, M. Lanza, S. Santangelo, E. Proverbio, S. Galvagno, C. Milone/congresso\_nome:INSTM VII Convegno Nazionale sulla Scienza e Tecnologia dei Materiali/congresso\_luogo:Aci castello (CT)/congresso\_data:26-29 Giugno 2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**38)-Catalytic Synthesis of CNTs Hybrids Fillers for Conductive Polymers**

E. Piperopoulos; S. Santangelo; M. Lanza; S. Galvagno; C. Milone

*6th European Conference Paul Sabatier on Catalysis, Klingenthal (Strasburgo), 26-29 Settembre 2011*

<http://www.cnr.it/prodotto/i/199433>

info:cnr-pdr/source/autori:E. Piperopoulos, S. Santangelo, M. Lanza, S. Galvagno, C. Milone/congresso\_nome:6th European Conference Paul Sabatier on Catalysis/congresso\_luogo:Klingenthal (Strasburgo)/congresso\_data:26-29 Settembre 2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**39)-Outstanding enhancement of polylactide electrical conductivity by addition of hybrid carbon-nanotubes/clay fillers**

S. Santangelo; G. Messina; G. Faggio; M. Lanza; E. Piperopoulos; C. Milone

*Società Italiana di Fisica, XCVII Congresso Nazionale, L'Aquila, 26-30 Settembre 2011*

<http://www.cnr.it/prodotto/i/199434>

info:cnr-pdr/source/autori:S. Santangelo, G. Messina, G. Faggio, M. Lanza, E. Piperopoulos, C. Milone/congresso\_nome:Società Italiana di Fisica, XCVII Congresso Nazionale/congresso\_luogo:L'Aquila/congresso\_data:26-30 Settembre 2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**40)-Micro-Raman study of C nanotubes grown by CVD over ceramic supports**

S. Santangelo; G. Messina; G. Faggio; M. Lanza; E. Piperopoulos; C. Milone

*Società Italiana di Fisica, XCVII Congresso Nazionale, L'Aquila, 26-30 Settembre 2011*

<http://www.cnr.it/prodotto/i/199436>

info:cnr-pdr/source/autori:S. Santangelo, G. Messina, G. Faggio, M. Lanza, E. Piperopoulos, C. Milone/congresso\_nome:Società Italiana di Fisica, XCVII Congresso Nazionale/congresso\_luogo:L'Aquila/congresso\_data:26-30 Settembre 2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**41)-CVD growth optimisation of multi-walled C nanotube based hybrid nanomaterials using the Taguchi method**

S. Santangelo; E. Piperopoulos; M. Lanza; G. Faggio; G. Messina; C. Milone

*Diamond 2011, Bavaria (Germania), 4-8 Settembre 2011*

<http://www.cnr.it/prodotto/i/199437>

info:cnr-pdr/source/autori:S. Santangelo, E. Piperopoulos, M. Lanza, G. Faggio, G. Messina, C. Milone/congresso\_nome:Diamond 2011/congresso\_luogo:Bavaria (Germania)/congresso\_data:4-8 Settembre 2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**42)-Effect of Fe load on the catalytic CVD growth of carbon nanotubes over Na-exchanged montmorillonite-clay catalysts**

S. Santangelo; E. Piperopoulos; M. Lanza; G. Faggio; G. Messina; C. Milone

*Diamond 2011, Bavaria (Germania), 4-8 Settembre 2011*

<http://www.cnr.it/prodotto/i/199440>

info:cnr-pdr/source/autori:S. Santangelo, E. Piperopoulos, M. Lanza, G. Faggio, G. Messina, C. Milone/congresso\_nome:Diamond 2011/congresso\_luogo:Bavaria (Germania)/congresso\_data:4-8 Settembre 2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**43)-Large-scale Synthesis of Multi Wall Carbon Nanotubes by Catalytic Chemical Vapor Deposition**

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

*Nanotechitaly 2011, Venezia, 23-25 Novembre 2011*

<http://www.cnr.it/prodotto/i/199441>

info:cnr-pdr/source/autori:C. Milone, E. Piperopoulos, S. Santangelo, M. Lanza, A. Pistone, S. Galvagno/congresso\_nome:Nanotechitaly 2011/congresso\_luogo:Venezia/congresso\_data:23-25 Novembre 2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**44)-Audit Tecnologico spin-off Unical**

Giuseppe Lombardo; Loredana Lucia  
2011

<http://www.cnr.it/prodotto/i/213516>

**45)-Rapporto di Audit Tecnologico spin off**

Giuseppe Lombardo; Rosanna Tolone

2011

<http://www.cnr.it/prodotto/i/213519>

**46)-Audit Tecnologico**

Giuseppe Lombardo; Salvatore Abate; Maria Carmen Incutti

2011

<http://www.cnr.it/prodotto/i/213521>

**47)-La valorizzazione dei risultati all'interno della ricerca pubblica: il caso del CNR**

Giuseppe Lombardo

2011

<http://www.cnr.it/prodotto/i/213526>

**48)-I progetti dimostrativi in Vigor**

Giuseppe Lombardo

2011

<http://www.cnr.it/prodotto/i/213527>

**49)-Metodo di dimensionamento di un generatore solare direttamente esposto alla radiazione solare e generatore solare ottenuto**

Lombardo G.;

*RM2011A000181, Nazionale*

<http://www.cnr.it/prodotto/i/145008>

**50)-Porous nanostructures formation using polyamidoamine dendrimers as template**

L. Bonaccorsi; P. Calandra; E. Proverbio; D.

Lombardo/subject:Zeolites/subject:Nanostructures/subject:Dendrimers/subject:Self-assembly

*ADVANCES IN ZEOLITE SCIENCE AND TECHNOLOGY, edited by Domenico Caputo and*

*Paolo Aprea, pp. 57–60. Napoli: De Frede, 2011*

[urn:isbn:978-88-89976-33-3](http://www.cnr.it/prodotto/i/145008)

info:cnr-pdr/source/autori:L. Bonaccorsi, P. Calandra, E. Proverbio, D.

Lombardo/titolo:Porous nanostructures formation using polyamidoamine dendrimers as

template/titolo\_volume:ADVANCES IN ZEOLITE SCIENCE AND

TECHNOLOGY/curatori\_volume:Domenico Caputo and Paolo Aprea/editore:

**51)-GROWTH OF POUROUS AGGREGATES DURING TEMPLATE DIRECTED SAPO34 ZEOLITE SYNTHESIS**

L. Bonaccorsi; P. Calandra; H. Amenitsch; E. Proverbio; D. Lombardo

*Annual report 2011 - Austrian SAXS Beamline at ELETTRA, edited by Sigrid Bernstorff, Heinz Amenitsch, pp. 103–104, 2011*

<https://www.elettra.trieste.it/it/lightsources/elettra/elettra-beamlines/saxs/annual-report.html>

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**52)-Charge interaction in branched polymer nanosystems and application in drug delivery**

Domenico Lombardo

*Workshop on Biomaterials and Their Interactions with Biological and Model Membranes (2011), Salou (Spagna), 19-23 Settembre 2011*

<http://meeting.softmat.net/program/program-2011>

info:cnr-pdr/source/autori:Domenico Lombardo/congresso\_nome:Workshop on Biomaterials and Their Interactions with Biological and Model Membranes (2011)/congresso\_luogo:Salou (Spagna)/congresso\_data:19-23 Settembre 2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine:

**53)-Charge interaction in branched polymer nanosystems and application in drug delivery**

Domenico lombardo

*Workshop on Biomaterials and Their Interactions with Biological and Model Membranes (2011), Salou (Spagna), 19-23 Settembre 2011*

<http://meeting.softmat.net/program/program-2011>

info:cnr-pdr/source/autori:Domenico lombardo/congresso\_nome:Workshop on Biomaterials and Their Interactions with Biological and Model Membranes (2011)/congresso\_luogo:Salou (Spagna)/congresso\_data:19-23 Settembre 2011/anno:2011/pagina\_da:/pagina\_a:/intervallo\_pagine: