

## Peer-reviewed journal articles

### 1)-Surface-enhanced Raman scattering study of organic pigments using silver and gold nanoparticles prepared by pulsed laser ablation

E. Fazio; S. Trusso; R.C. Ponterio

*Applied surface science* 272 (2013): 36–42.

<https://dx.doi.org/10.1016/j.apsusc.2012.02.070>

### 2)-Light Scattering Enhancement in Nanostructured Silver Film Composites

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

*Journal of physical chemistry. C* 117 (2013): 3497–3502.

<https://dx.doi.org/10.1021/jp3125507>

### 3)-A Shape-Engineered Surface-Enhanced Raman Scattering Optical Fiber Sensor Working from the Visible to the Near-Infrared

Foti; A.; D'Andrea; C.; Bonaccorso; F.; Lanza; M.; Calogero; G.; Messina; E.; Maragò; O.M.; Fazio; B.; Gucciardi; P.G.subjectplasmonica

*Plasmonics (Norwell, Mass.)* 8 (2013): 13–23.

<https://dx.doi.org/10.1007/s11468-012-9371-3>

### 4)-Trapping volume control in optical tweezers using cylindrical vector beams

Skelton S.E.; Sergides M.; Saija, R.; Iati' M.A.; Marago' O.M.; Jones P.H.

*Optics letters* 38 (2013): 28–30.

<https://dx.doi.org/10.1364/OL.38.000028>

### 5)-Hybrid clay mineral-carbon nanotube-PLA nanocomposite films. Preparation and photodegradation effect on their mechanical, thermal and electrical properties

G Gorrasi; C Milone; E Piperopoulos; M Lanza; A Sorrentino

*Applied clay science (Print)* 71 (2013): 49–54.

<http://www.cnr.it/prodotto/i/199175>

info:cnr-pdr/source/autori:G Gorrasi, C Milone, E Piperopoulos, M Lanza, A Sorrentino/titolo:Hybrid clay mineral-carbon nanotube-PLA nanocomposite films. Preparation and photodegradation effect on their mechanical, thermal and electrical properties/

### 6)-Correlation between Carbon Nanotube Microstructure and their Catalytic Efficiency towards the p-Coumaric Acid Degradation

E. Fazio; E. Piperopoulos; S.H. Abdul Rahim; M. Lanza; G. Faggio; G. Mondio; F.Neri; A.M. Mezzasalma; C. Milone; S. Santangelo

*Current applied physics* (2013).

<http://www.cnr.it/prodotto/i/199464>

info:cnr-pdr/source/autori:E. Fazio, E. Piperopoulos, S.H. Abdul Rahim, M. Lanza, G. Faggio, G. Mondio, F.

Neri, A.M. Mezzasalma, C. Milone, S. Santangelo/titolo:Correlation between Carbon Nanotube Microstructure and their Catalytic Efficiency towards the p-Coumaric Acid Degradation/

**7)-Supramolecular hybrid assemblies based on gold nanoparticles, amphiphilic cyclodextrin and porphyrins with combined phototherapeutic action**

M Trapani; A Romeo; T Parisi; M T Sciortino; S Patane; V Villari; A Mazzaglia  
subjectNanoparticlessubjectself-assemblysubjectphotodynamic  
propertysubjectamphiphilic cyclodextrin  
*RSC advances* 3 (2013): 5607–5614.  
<https://dx.doi.org/10.1039/c3ra40204e>

**8)-Nanostructures of Cationic Amphiphilic Cyclodextrin Complexes with DNA**

V Villari; A Mazzaglia; R Darcy; C M O'Driscoll; N Micali  
*Biomacromolecules* 14 (2013): 811–817.  
<https://dx.doi.org/10.1021/bm3018609>

**9)-The fragile to strong dynamical crossover in supercooled liquids. The o-terphenyl case and its ergodicity at the dynamical arrest**

F Mallamace; C Corsaro; N Micali; V Villari; N Leone; S H Chen  
*AIP conference proceedings* 1518 (2013): 67–76.  
<https://dx.doi.org/10.1063/1.4794552>

**10)-Volume crossover in deeply supercooled water adiabatically freezing under isobaric conditions**

Aliotta, F; Giaquinta PV; Pochylski, M; Ponterio, RC; Prestipino, S; Saija, F; Vasi C  
*The Journal of chemical physics* 138 (2013): 184504.  
<https://dx.doi.org/10.1063/1.4803659>

**11)-High-frequency propagating density fluctuations in deeply supercooled water: Evidence of a single viscous relaxation**

Aliotta, F; Gapinski, J; Pochylski, M.; Ponterio RC; Saija, F; Salvato, G; Vasi, C  
*Physical review. E, Statistical, nonlinear, and soft matter physics (Print)* 87 (2013): 022303.  
<https://dx.doi.org/10.1103/PhysRevE.87.022303>

**12)-Optical nanoantennas for multiband surface-enhanced infrared and raman spectroscopy**

D'Andrea C.; Bochterle J.; Toma A.; Huck C.; Neubrech F.; Messina E.; Fazio B.; Maragò O.M.; Di Fabrizio E.; Lamy De La Chapelle M.; Gucciardi P.G.; Pucci A.subjectSERS  
*ACS nano* 7 (2013): 3522–3531.  
<http://www.cnr.it/prodotto/i/216216>

info:cnr-pdr/source/autori:D'Andrea C., Bochterle J., Toma A., Huck C., Neubrech F., Messina E., Fazio B., Maragò O.M., Di Fabrizio E., Lamy De La Chapelle M., Gucciardi P.G., Pucci

A./titolo:Optical nanoantennas for multiband surface-enhanced infrared and raman spectroscopy/

**13)-Minimum-density anomaly and spatial ordering of softly repulsive particles in a narrow channel**

Prestipino S; Saija F; Sergi A; Giaquinta PV

*Soft matter (Print)* 9 (2013): 9876–9886.

<https://dx.doi.org/10.1039/c3sm51831k>

**14)-Raman spectroscopy of organic dyes adsorbed on pulsed laser deposited silver thin films**

Fazio; E.; Neri; F.; Valenti; A.; Ossi; P.M.; Trusso; S.; Ponterio; R.C.

*Applied surface science* 278 (2013): 259–264.

<https://dx.doi.org/10.1016/j.apsusc.2012.10.133>

**15)-Structural and optical properties of pulsed laser deposited ZnO thin films**

E. Fazio; S. Patanè; S. Scibilia; A.M. Mezzasalma; G. Mondio; F. Neri; S. Trusso

*Current applied physics* 13 (2013): 710–716.

<https://dx.doi.org/10.1016/j.cap.2012.11.010>

**16)-XPS analysis of nanocomposite  $\text{Li}_{2x-y}\text{Mn}_{1-x}\text{PS}_3(\text{C}_{13}\text{H}_{11}\text{N}_2)_y$  films**

L. Silipigni; L. Schirò; L. Monsù Scolaro; G. De Luca; G. Salvato  
subjectLayered organic-inorganic nanocomposite films  
subjectXPS spectra  
subjectChemical exfoliations  
subjectMnPS<sub>3</sub> intercalation compound

*Applied surface science* 280 (2013): 572–577.

<https://dx.doi.org/10.1016/j.apsusc.2013.05.027>

**17)-Enhancement of electrorheological effect by particle-fluid interaction**

F Aliotta; P Calandra; M Pochylski; RC Ponterio; G Salvato; C Vasi  
subjectCARBOXYLIC-ACIDS; ER FLUIDS; SUSPENSIONS; NANOPARTICLES; MECHANISMS; DYNAMICS; TIO<sub>2</sub>

*Physical review. E, Statistical, nonlinear, and soft matter physics (Print)* 87 (2013): 062304.

<https://dx.doi.org/10.1103/PhysRevE.87.062304>

**18)-Fast and reliable fabrication of gold tips with sub-50 nm radius of curvature for tip-enhanced Raman spectroscopy**

Lopes; M.; Toury; T.; de La Chapelle; M. L.; Bonaccorso; F.; Gucciardi; P. G.

*Review of scientific instruments* 84 (2013): 073702.

<http://www.cnr.it/prodotto/i/254123>

info:cnr-pdr/source/autori:Lopes, M., Toury, T., de La Chapelle, M. L., Bonaccorso, F., Gucciardi, P. G./titolo:Fast and reliable fabrication of gold tips with sub-50 nm radius of curvature for tip-enhanced Raman spectroscopy/

**19)-The autofocusing system of the IMAT neutron camera**

V. Finocchiaro; F. Aliotta; D. Tresoldi; R.C. Ponterio; C. S. Vasi; G. Salvato

*Review of scientific instruments* 84 (2013): 093701-1–093701-8.

<https://dx.doi.org/10.1063/1.4819793>

**20)-Synthetic analogues of anthocyanins as sensitizers for dye-sensitized solar cells**

Giuseppe Calogero; Alessandro Sinopoli; Ilaria Citro; Gaetano Di Marco; Vesselin Petrov; Ana M. Diniz; A. Jorge Parolab; Fernando Pina

*Photochemical & photobiological sciences (Online)* 12 (2013): 883–894.

<https://dx.doi.org/10.1039/c3pp25347c>

**21)-Membrane thickness and the mechanism of action of the short peptaibol trichogin GA IV**

S. Bobone; Y. Gerelli; M. De Zotti; G. Bocchinfuso; A. Farrotti; B. Orioni; F. Sebastiani; E. Latter; J. Penfold; R. Senesi; F. Formaggio; A. Palleschi; C. Toniolo; G. Fragneto; L. Stella

*Biochimica et biophysica acta. Biomembranes* 1828 (2013): 1013–1024.

<https://dx.doi.org/10.1016/j.bbamem.2012.11.033>

**22)-Growth Analysis of Pulsed Laser Ablated Films**

N. R. Agarwal; F. Neri; S. Trusso, P. M. Ossi

*Plasmonics (Norwell, Mass.)* 8 (2013): 1707–1712.

<https://dx.doi.org/10.1007/s11468-013-9590-2>

**23)-Optical trapping and manipulation of nanostructures**

Maragò; O. M.; Jones; P. H.; Gucciardi; P. G.; Volpe; G.; Ferrari; A. C.

*Nature nanotechnology (Print)* 8 (2013): 807–819.

<https://dx.doi.org/10.1038/NNANO.2013.208>

**24)-Periodically structured X-ray waveguides**

Bukreeva I. (1); Sorrentino A. (1; 2); Cedola A. (1); Giovine E. (1); Diaz A. (3); Scarinci F. (1); Jark W. (4); Ognev L. (5); Lagomarsino S. (6; 7)

*Journal of synchrotron radiation* 20 (2013): 691–697.

<https://dx.doi.org/10.1107/S0909049513018657>

**25)-Influence of Packing on Low Energy Vibrations of Densified Glasses**

Carini, Giovanni, Jr.; Carini, Giuseppe; D'Angelo, Giovanna; Tripodo, Gaspare; Di Marco, Gaetano; Vasi, Cirino; Gilioli, Edmondo

*Physical review letters (Print)* 111 (2013): 245502-1.

<https://dx.doi.org/10.1103/PhysRevLett.111.245502>

**26)-Weighted density Lattice Boltzmann approach to fluids under confinement**

Marconi U.M.B.; Melchionna S.subjectDensity functional theorysubjectLattice Boltzmann methodsubjectNanofluidicssubjectViscositysubjectWeighted density approximation

*Molecular physics (Online) 111 (2013): 3126–3135.*

<https://dx.doi.org/10.1080/00268976.2013.771801>

**27)-Calorimetric investigation on the interaction of sodium taurodeoxycholate with human serum albumin**

Bernazzani, Luca; Ferrari, Carlo; Gianni, Paolo; Mollica, Vincenzo; Tombari, ElpidiosubjectAlbuminsubjectBile saltssubjectSelf-aggregationsubjectProtein-surfactant complexessubjectIsothermal titration calorimetrysubjectTemperature-modulated differential scanning calorimetry

*Thermochimica Acta 555 (2013): 7–16.*

<https://dx.doi.org/10.1016/j.tca.2012.12.016>

**28)-Octanoic acid as a novel solvent for low electric field electrorheological fluids**

Pietro Calandra \*; Gabriele Salvato; Francesco AliottasubjectElectrorheological effectssubjectOctanoic acidssubjectTitania nanoparticlessubjectInterfacial effects

*ScienceJet 2 (2013): 1–5.*

<http://www.cognizure.com/sj.aspx?p=114637248>

info:cnr-pdr/source/autori:Pietro Calandra \*, Gabriele Salvato, Francesco Aliotta/titolo:Octanoic acid as a novel solvent for low electric field electrorheological fluids/

**29)-RTV Silicone Membranes as Agents to Confine the Liquid Components in Dye Sensitized Solar Cells**

Antonino Bartolotta; Giuseppe Calogero; Cristina Crupi; Gaetano Di Marco

*Journal of Materials 2013 (2013).*

<https://dx.doi.org/10.1155/2013/597616>

**30)-The thermodynamical response functions and the origin of the anomalous behavior of liquid water**

Mallamace, Francesco; Corsaro, Carmelo; Mallamace, Domenico; Vasi, Cirino S.; Stanley, Harry Eugene

*Faraday discussions (Print) 167 (2013): 95–108.*

<https://dx.doi.org/10.1039/c3fd00073g>

**31)-Adaptive Optics Technology for High-Resolution Retinal Imaging**

Lombardo, Marco; Serrao, Sebastiano; Devaney, Nicholas; Parravano, Mariacristina; Lombardo, Giuseppe subjectadaptive optical systemssubjectoptical sensorssubjectbiomedical imaging techniquessubjecteye

*Sensors (Basel)* 13 (2013): 334–366.

<https://dx.doi.org/10.3390/s130100334>

**32)-Nematic order and phase transition dynamics under intense electric fields**

Amoddeo, Antonino; Barberi, Riccardo; Lombardo, Giuseppe subject nematic liquid crystals modelling subject orientational orders subject FEM subject MMPDE subject phase transitions

*Liquid crystals (Print)* 40 (2013): 799–809.

<https://dx.doi.org/10.1080/02678292.2013.783133>

**33)-Evaluation of Femtosecond Laser Clear Corneal Incision: An Experimental Study**

Serrao, Sebastiano; Lombardo, Giuseppe; Ducoli, Pietro; Rosati, Marianna; Lombardo, Marco

*Journal of refractive surgery (1995)* 29 (2013): 418–+.

<https://dx.doi.org/10.3928/1081597X-20130430-01>

**34)-Eccentricity dependent changes of density, spacing and packing arrangement of parafoveal cones**

Lombardo, Marco; Serrao, Sebastiano; Ducoli, Pietro; Lombardo, Giuseppe subject adaptive optics subject cone density subject cone spacing subject cone packing arrangement

*Ophthalmic & physiological optics* 33 (2013): 516–526.

<https://dx.doi.org/10.1111/opo.12053>

**35)-Influence of sampling window size and orientation on parafoveal cone packing density**

Lombardo, Marco; Serrao, Sebastiano; Ducoli, Pietro; Lombardo, Giuseppe

*Biomedical optics express* 4 (2013): 1318–1331.

<https://dx.doi.org/10.1364/BOE.4.001318>

**36)-ANALYSIS OF RETINAL CAPILLARIES IN PATIENTS WITH TYPE 1 DIABETES AND NONPROLIFERATIVE DIABETIC RETINOPATHY USING ADAPTIVE OPTICS IMAGING**

Lombardo, Marco; Parravano, Mariacristina; Serrao, Sebastiano; Ducoli, Pietro; Stirpe, Mario; Lombardo, Giuseppe subject adaptive optics subject diabetic retinopathy subject retinal capillary

*Retina (Philadelphia, Pa.)* 33 (2013): 1630–1639.

<http://www.cnr.it/prodotto/i/300898>

info:cnr-pdr/source/autori:Lombardo, Marco; Parravano, Mariacristina; Serrao, Sebastiano; Ducoli, Pietro; Stirpe, Mario; Lombardo, Giuseppe/titolo:ANALYSIS OF RETINAL CAPILLARIES IN PATIENTS WITH TYPE 1 DIABETES AND NONPROLIFERATIVE DIABETIC RETINOPATHY USING ADAPTIVE OPTICS IMAGING/

**37)-Biaxial coherence length In a nematic pi-cell**

Hamdi, Ridha; Lombardo, Giuseppe; De Santo, Maria Penelope; Barberi, Riccardo C.

*The European physical journal. E, Soft matter (Print)* 36 (2013): 115–122.

<https://dx.doi.org/10.1140/epje/i2013-13115-y>

**38)-INTEROCULAR SYMMETRY OF PARAFOVEAL PHOTORECEPTOR CONE DENSITY DISTRIBUTION**

Lombardo, Marco; Lombardo, Giuseppe; Lomoriello, Domenico Schiano; Ducoli, Pietro; Stirpe, Mario; Serrao, Sebastiano  
subjectadaptive opticssubjectcone photoreceptorssubjectretinal anatomysubjectretinal histology

*Retina (Philadelphia, Pa.)* 33 (2013): 1640–1649.

<http://www.cnr.it/prodotto/i/300928>

info:cnr-pdr/source/autori:Lombardo, Marco; Lombardo, Giuseppe; Lomoriello, Domenico Schiano; Ducoli, Pietro; Stirpe, Mario; Serrao, Sebastiano/titolo:INTEROCULAR SYMMETRY OF PARAFOVEAL PHOTORECEPTOR CONE DENSITY DISTRIBUTION/

**39)-Self-Assembly in Poly(dimethylsiloxane)-Poly(ethylene oxide) Block Copolymer Template Directed Synthesis of Linde Type A Zeolite**

Bonaccorsi, Lucio; Calandra, Pietro; Kiselev, Mikhail A.; Amenitsch, Heinz; Proverbio, Edoardo; Lombardo, Domenico

*Langmuir* 29 (2013): 7079–7086.

<https://dx.doi.org/10.1021/la400951s>

**40)-Evolution of  $\gamma$ -SiC in laser-generated plasmas**

Gemini L.; Margarone D.; Mocek T.; Neri F.; Trusso S.; Ossi P.M.  
subjectLaser damagesubjectNuclear fusionsubjectPulsed laser ablationsubjectSilicon carbide

*Applied surface science* 272 (2013): 19–24.

<https://dx.doi.org/10.1016/j.apsusc.2012.03.125>

**41)-Generation of periodic structures on SiC upon laser plasma XUV/NIR radiations**

Gemini L.; Margarone D.; Trusso S.; Juha L.; Limpouch J.; Mocek T.; Ossi P.M.  
subjectGeneration of periodic structuresubjectLaser plasma irradiation of SiCsubjectLDPE plasma formation by ultra-short pulse lasersubjectXUV/NIR dual action

*Laser and particle beams (Online)* 31 (2013): 547–550.

<https://dx.doi.org/10.1017/S026303461300058X>

**42)-Self-Assembly in Poly(dimethylsiloxane)-Poly(ethylene oxide) Block Copolymer Template Directed Synthesis of Linde Type A Zeolite**

Bonaccorsi, Lucio; Calandra, Pietro; Kiselev, Mikhail A.; Amenitsch, Heinz; Proverbio, Edoardo; Lombardo, Domenico

*Langmuir* 29 (2013): 7079–7086.

<https://dx.doi.org/10.1021/la400951s>

**43)-Growth of fractal aggregates during template directed SAPO-34 zeolite formation**

Lucio Bonaccorsi; Pietro Calandra; Heinz Amenitsch; Edoardo Proverbio; Domenico Lombardo

*Microporous and mesoporous materials (Print)* 167 (2013): 3–9.

<https://dx.doi.org/10.1016/j.micromeso.2012.10.024>

**44)-Structural transition in aqueous lipid/bile salt [DPPC/NaDC] supramolecular aggregates: SANS and DLS study**

Kiselev, M. A.; Janich, M.; Hildebrand, A.; Strunz, P.; Neubert, R. H. H.; Lombardo, D.subjectBile saltssubjectPhospholipidssubjectPhosphatidylcholine (DPPC)subjectSmall angle neutron scatteringsubjectVesicle-micelle transition  
*Chemical physics (Print)* 424 (2013): 93–99.

<https://dx.doi.org/10.1016/j.chemphys.2013.05.014>

**45)-Growth of LTA zeolite nanoclusters using a block copolymer template**

L. Bonaccorsi; P. Calandra; M.A. Kiselev; H. Amenitsch; E. Proverbio; D. Lombardo  
*elettra highlights* (2013): 36–37.

<https://www.elettra.trieste.it/it/science/highlights.html>

info:cnr-pdr/source/autori:L. Bonaccorsi, P. Calandra, M.A. Kiselev, H. Amenitsch, E. Proverbio, D. Lombardo/titolo:Growth of LTA zeolite nanoclusters using a block copolymer template/

**46)-Interocular symmetry of parafoveal photoreceptor cone density distribution**

Lombardo, Marco; Lombardo, Giuseppe; Lomoriello, Domenico Schiano; Ducoli, Pietro; Stirpe, Mario; Serrao, Sebastianosubjectadaptive opticssubjectcone photoreceptorssubjectretinal anatomysubjectretinal histology  
*Retina (Philadelphia, Pa.)* 33 (2013): 1640–1649.

<https://dx.doi.org/10.1097/IAE.0b013e3182807642>

**47)-Fast and reliable fabrication of gold tips with sub-50 nm radius of curvature for tip-enhanced Raman spectroscopy**

Lopes, Manuel; Toury, Timothee; de La Chapelle, Marc Lamy; Bonaccorso, Francesco; Gucciardi, Pietro Giuseppesubjectplasmonica  
*Review of scientific instruments* 84 (2013).

<https://dx.doi.org/10.1063/1.4812365>

**48)-Low frequency dielectric characteristics of human blood: A non-equilibrium thermodynamic approach**

Farsaci, Francesco; Tellone, Ester; Cavallaro, Mauro; Russo, Annamaria; Ficarra, SilvanasubjectBloodsubjectDielectric relaxation in bloodsubjectNon-equilibrium thermodynamicsubjectWhite blood cells  
*Journal of molecular liquids (Print)* 188 (2013): 113–119.

<https://dx.doi.org/10.1016/j.molliq.2013.09.033>



**49)-ON EVALUATION OF ELECTRIC CONDUCTIVITY BY MEAN OF A THERMODYNAMICAL MODEL FOR DIELECTRIC RELAXATION PHENOMENA. AN APPLICATION TO LIVER TISSUE**

VINCENZO CIANCIO; FRANCESCO FARSACIsubjectelectric conductivitysubjectrelaxation phenomena

*Atti della Accademia Peloritana dei Pericolanti. Classe di Scienze Fisiche, Matematiche e Naturali (Online) 91 (2013): a5-1–a5-11.*

<http://www.cnr.it/prodotto/i/351633>

info:cnr-pdr/source/autori:VINCENZO CIANCIO, FRANCESCO FARSACI/titolo:ON EVALUATION OF ELECTRIC CONDUCTIVITY BY MEAN OF A THERMODYNAMICAL MODEL FOR DIELECTRIC RELAXATION PHENOMENA. AN APPLICATION TO LIVER TISSUE/

**50)-Fabrication of flexible all-inorganic nanocrystal solar cells by room-temperature processing**

Loiudice Anna; Rizzo Aurora; Grancini Giulia; Biasiucci Mariano; Belviso Maria R.; Corricelli Michela; Curri M. Lucia; Striccoli Marinella; Agostiano Angela; Cozzoli P. Davide; Petrozza Annamaria; Lanzani Guglielmo; Gigli Giuseppe

*Energy & environmental science (Print) (2013).*

<https://dx.doi.org/10.1039/c3ee23928d>

**51)-Hybrid clay mineral-carbon nanotube-PLA nanocomposite films. Preparation and photodegradation effect on their mechanical, thermal and electrical properties**

Gorrasi, Giuliano; Milone, Candida; Piperopoulos, Elpida; Lanza, Maurizio; Sorrentino, Andrea

*Applied clay science (Print) 71 (2013): 49–54.*

<https://dx.doi.org/10.1016/j.clay.2012.11.004>

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

### **1)-Dissociation and proton-hopping conduction in water under electric field**

Saitta, AM; Saija, F; Giaquinta. PV

*7th International Discussion Meeting on Relaxations in Complex Systems, Barcelona, Spain, 21-26/7/2013*

<http://www.cnr.it/prodotto/i/321459>

info:cnr-pdr/source/autori:Saitta, AM; Saija, F; Giaquinta. PV/congresso\_nome:7th International Discussion Meeting on Relaxations in Complex Systems/congresso\_luogo:Barcelona, Spain/congresso\_data:21-26/7/2013/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **2)-Water Dissociation and proton-hopping: DFT and beyond**

A.M. Saitta; F. Saija; G. Cassone; P. V. Giaquinta; M. Degrada; M. Casula; S. Sorella; F. Mauri  
*WaterEurope 2013, Saragoza, Spain, 12-14/6/2014*

<http://www.cnr.it/prodotto/i/321467>

info:cnr-pdr/source/autori:A.M. Saitta, F. Saija, G. Cassone, P. V. Giaquinta, M. Degrada, M. Casula, S. Sorella, F. Mauri/congresso\_nome:WaterEurope 2013/congresso\_luogo:Saragoza, Spain/congresso\_data:12-14/6/2014/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **3)-Visible-light driven oxidation of gaseous aliphatic alcohols to the corresponding carbonyls via TiO<sub>2</sub> sensitized by a perylene derivative**

Chiara Guarisco; Giovanni Palmisano; Vincenzo Augugliaro; Giuseppe Calogero; Rosaria Ciriminna; Gaetano Di Marco; Vittorio Loddo; Mario Pagliaro

*SuNEC 2013- Sun New Energy Conference, pp. 70–72, Santa Flavia, Palermo, 10-12 settembre 2013*

<urn:isbn:9788863699739>

info:cnr-pdr/source/autori:Chiara Guarisco, Giovanni Palmisano, Vincenzo Augugliaro, Giuseppe Calogero, Rosaria Ciriminna, Gaetano Di Marco, Vittorio Loddo, Mario Pagliaro/congresso\_nome:SuNEC 2013- Sun New Energy Conference/congresso\_luogo:Santa Flavia, Palermo/congresso\_data:10-12 settembre 2013/anno:2013/pagina\_da:70/pagina\_a:72/intervallo\_pagine:70–72

### **4)-Dependence on the ablated mass per pulse of morphology and optical properties of silver thin films**

M.C. Spadaro; E. Fazio; F. Neri; P.M. Ossi; S. Trusso

*12th Conference on Laser Ablation, Ischia (Italy), 6-11 Ottobre 2013*

<urn:isbn:978-88-908116-1-6>

info:cnr-pdr/source/autori:M.C. Spadaro, E. Fazio, F. Neri, P.M. Ossi, S. Trusso/congresso\_nome:12th Conference on Laser Ablation/congresso\_luogo:Ischia (Italy)/congresso\_data:6-11 Ottobre 2013/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine:

**5)-SERS activity of silver and gold nanostructured thin films deposited by pulsed laser ablation**

N.R. Agarwal M. Tommasini E. Fazio F. Neri R.C. Ponterio S. Trusso P.M.Ossi  
*12th International Conference on Laser Ablation, Ischia (Italy), 6-11 Ottobre 2013*  
[urn:isbn:978-88-908116-1-6](http://www.ismc2013.it/files/books/booklet.pdf)

info:cnr-pdr/source/autori:N.R. Agarwal M. Tommasini E. Fazio F. Neri R.C. Ponterio S. Trusso P.M.Ossi/congresso\_nome:12th International Conference on Laser Ablation/congresso\_luogo:Ischia (Italy)/congresso\_data:6-11 Ottobre 2013/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine:

**6)-Octanoic acid as a novel solvent for Low Electric Field Electrorheological fluids**

Pietro Calandra; Gabriele Salvato; Francesco Aliotta  
*International Soft Matter Conference 2013, Rome (Italy), 15-19 September 2013*  
<http://www.ismc2013.it/files/books/booklet.pdf>

info:cnr-pdr/source/autori:Pietro Calandra, Gabriele Salvato and Francesco Aliotta/congresso\_nome:International Soft Matter Conference 2013/congresso\_luogo:Rome (Italy)/congresso\_data:15-19 September 2013/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine:

**7)-Enhancement of electrorheological effect by particle-fluid interaction**

Francesco Aliotta; Pietro Calandra; Mikolaj Pochylski; Rosina Celeste Ponterio; Gabriele Salvato; Cirino Vasi  
*International Soft Matter Conference 2013, Roma (Italy), 15-19 September 2013*  
<http://www.ismc2013.it/files/books/booklet.pdf>

info:cnr-pdr/source/autori:Francesco Aliotta, Pietro Calandra, Mikolaj Pochylski, Rosina Celeste Ponterio, Gabriele Salvato and Cirino Vasi/congresso\_nome:International Soft Matter Conference 2013/congresso\_luogo:Roma (Italy)/congresso\_data:15-19 September 2013/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine:

**8)-Dynamical properties of self-assembled surfactant-based mixtures: 1D anomalous diffusion in bis(2-ethylhexyl) phosphoric acid/n-octylamine systems**

Pietro Calandra; Domenico Lombardo; Isabella Nicotera; Cesare Oliviero Rossi; Vincenzo Turco Liveri  
*International Soft Matter Conference 2013, Rome (Italy), 15-19 September 2013*  
<http://www.ismc2013.it/files/books/booklet.pdf>

info:cnr-pdr/source/autori:Pietro Calandra, Domenico Lombardo, Isabella Nicotera, Cesare Oliviero Rossi and Vincenzo Turco Liveri/congresso\_nome:International Soft Matter Conference 2013/congresso\_luogo:Rome (Italy)/congresso\_data:15-19 September 2013/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine:

**9)-Materials improvements towards industrialization of glass on glass DSSC**

I. Zama; M. Serantoni; A. Antonini; C. Martelli; F.Malara; G. Gorni; F. Matteucci G. Calogero; G. Di Marco M.Blosi

*Dye sensitised solar cells: from materials to devices, Torino, 31st January , - 1st February 2013*

<http://www.cnr.it/prodotto/i/299828>

info:cnr-pdr/source/autori:I. Zama, M. Serantoni, A. Antonini, C. Martelli, F.Malara, G. Gorni, F. Matteucci G. Calogero, G. Di Marco

M.Blosi/congresso\_nome:Dye sensitised solar cells: from materials to devices/congresso\_luogo:Torino/congresso\_data:31st January , - 1st February 2013/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine:

**10)-A model proposal for evaluating thermal demand of industrial process to be supplied by low geothermal enthalpy**

D.E. Bruno; G. Lombardo; G. Gola; A. Galgaro; E. Destro; E. Di Sipio; V. F. Uricchio; A. Manzella

*EGC - EUROPEAN GEOTHERMAL CONGRESS 2013, Pisa, 3-7/06/2013*

<urn:isbn:978-2-8052-0226-1>

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**11)-Surface Enhanced Raman Spectroscopy: fundamental aspects and applications to molecular sensing**

P. G. Gucciardi

*2nd International Summer School for young scientists on nanotechnology, Bukovel (Ukraine), 25 - 31 august 2014*

<http://www.cnr.it/prodotto/i/301830>

info:cnr-pdr/source/autori:P. G. Gucciardi/congresso\_nome:2nd International Summer School for young scientists on nanotechnology/congresso\_luogo:Bukovel (Ukraine)/congresso\_data:25 - 31 august 2014/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine:

**12)-Silicon Nanowires: Synthesis, optical properties and photonic applications**

Irrera Alessia

*EMRS -Symposium : P Functional nanowires: synthesis, characterization and applications, strasburgo, 27-31 maggio 2013*

<http://www.cnr.it/prodotto/i/315447>

info:cnr-pdr/source/autori:Irrera Alessia/congresso\_nome:EMRS -Symposium : P Functional nanowires: synthesis, characterization and applications/congresso\_luogo:strasburgo/congresso\_data:27-31 maggio 2013/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **13)-DENDRIMER-BASED HOST/GUEST SYSTEMS FOR DRUG DELIVERY**

Domenico LombardosubjectDendrimerssubjectBiotechnologysubjectDrug Delivery  
*DENDRMERS. Synthesis, applications and Role in Nanotechnology, edited by Heather B. and Brian L. Turner, pp. 53–81. Hauppauge, N.Y.: Nova Science Publisher, 2013*

[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=44405](https://www.novapublishers.com/catalog/product_info.php?products_id=44405)

info:cnr-pdr/source/autori:Domenico Lombardo/titolo:DENDRIMER-BASED HOST/GUEST SYSTEMS FOR DRUG DELIVERY/titolo\_volume:DENDRMERS. Synthesis, applications and Role in Nanotechnology/curatori\_volume:Heather B. and Brian L. Turner/editore:

/anno:2013

### **14)-Dendrimer-based Host/Guest Systems for Drug Delivery**

D. Lombardo; L. Bonaccorsi; P. Calandra; M.A. Kiselev; E. Proverbio  
*Workshop on Biomaterials and Their Interactions with Biological and Model Membranes (2013), Salou (Spagna), 24-26 Febbraio 2013*

<http://meeting.softmat.net/program/program-2012>

info:cnr-pdr/source/autori:D. Lombardo , L. Bonaccorsi , P. Calandra , M.A. Kiselev, E. Proverbio/congresso\_nome:Workshop on Biomaterials and Their Interactions with Biological and Model Membranes (2013)/congresso\_luogo:Salou (Spagna)/congresso\_data:24-26 Febbraio 2013/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **15)-Influence of Ceramide 3 and Ceramide 6 on the internal structure and hydration of DMPC bilayers studied by neutron and X-ray scattering**

M.A. Kiselev; E.V. Zemlyanaya; N.Y. Ryabova; T. Hauss; L. Almasy; S.S. Funari; J. Zbytovska; D. Lombardo

*Workshop on Biomaterials and Their Interactions with Biological and Model Membranes (2013), Salou (Spagna), 24-26 Febbraio 2013*

<http://meeting.softmat.net/program/program-2012>

info:cnr-pdr/source/autori:M.A. Kiselev, E.V. Zemlyanaya, N.Y. Ryabova, T. Hauss, L. Almasy, S.S. Funari, J. Zbytovska, D. Lombardo/congresso\_nome:Workshop on Biomaterials and Their Interactions with Biological and Model Membranes (2013)/congresso\_luogo:Salou (Spagna)/congresso\_data:24-26 Febbraio 2013/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine:

**16)-"Quasi-anhydrous and dry membranes for next generation fuel cells (QUASIDRY) Project No. 256821, Deliverable Report D4.3- Feseability of "Compatibilizer" Components for Enhancing electrode/Membrane Interface". -Rapp.Est. 39/2013**

A.S. Aricò; I. GATTO; A. Patti; A. Stassi; V. Baglio; M. Lo Faro; G. Di Marco 2013

<http://www.cnr.it/prodotto/i/319746>

**17)-TRANSPORT AND DYNAMICS IN SUPERCOOLED CONFINED WATER**

Mallamace, Francesco; Corsaro, Carmelo; Chen, Sow-Hsin; Stanley, H. Eugene/subjectLiquid Polymorphisms/subjectsupercooled waters/subjectdynamical crossover , pp. 203–262, 2013

<urn:isbn:978-1-118-45344-5>

info:cnr-pdr/source/autori:Mallamace, Francesco; Corsaro, Carmelo; Chen, Sow-Hsin; Stanley, H. Eugene/titolo:TRANSPORT AND DYNAMICS IN SUPERCOOLED CONFINED WATER/titolo\_volume:/curatori\_volume:/editore:/anno:2013

**18)-Visible-light driven oxidation of gaseous aliphatic alcohols to the corresponding carbonyls via TiO<sub>2</sub> sensitized by a perylene derivative**

Chiara Guarisco; Giovanni Palmisano; Vincenzo Augugliaro; Giuseppe Calogero; Rosaria Ciriminna; Gaetano Di Marco; Vittorio Loddo; Mario Pagliaro.subject..

*3rd European Symposium on Photocatalysis, Portoroz, Slovenia, 25-27 settembre 2013*

<urn:isbn:978-961-6311-78-6>

info:cnr-pdr/source/autori:Chiara Guarisco, Giovanni Palmisano, Vincenzo Augugliaro, Giuseppe Calogero, Rosaria Ciriminna, Gaetano Di Marco, Vittorio Loddo, Mario Pagliaro./congresso\_nome:3rd European Symposium on Photocatalysis/congresso\_luogo:Portoroz, Slovenia/congresso\_data:25-27 settembre 2013/anno:2013/pagina\_da:/pagina\_a:/intervallo\_pagine: