

Peer-reviewed journal articles

1)-Scaling Laws for Multi-Walled Carbon Nanotube Growth by Catalyzed Chemical Vapor Deposition

S. Santangelo; C. Milone; M. Lanza; A. Pistone; G. Messina; G. Faggio

Journal of nanoscience and nanotechnology (Print) 10 (2010): 1–10.

<http://www.cnr.it/prodotto/i/40209>

info:cnr-pdr/source/autori:S. Santangelo, C. Milone, M. Lanza, A. Pistone, G. Messina, and G. Faggio/titolo:Scaling Laws for Multi-Walled Carbon Nanotube Growth by Catalyzed Chemical Vapor Deposition/

2)-Preparation of nanotubes-clay hybrid systems by iron-catalyzed isobutane decomposition

S. Santangelo; M. Dhanagopal; G. Faggio; G. Messina; A. Pistone; M.Lanza; C. Milone

Diamond and related materials 19 (2010): 599–603.

<http://www.cnr.it/prodotto/i/40210>

info:cnr-pdr/source/autori:S. Santangelo, M. Dhanagopal, G. Faggio, G. Messina, A. Pistone, M.Lanza, C. Milone/titolo:Preparation of nanotubes-clay hybrid systems by iron-catalyzed isobutane decomposition/

3)-Calibration of reaction parameters for the improvement of thermal stability and crystalline quality of MWCNTs

S. Santangelo; G. Messina; G. Faggio; M. Lanza; A. Pistone; C. Milone

Journal of materials science 45 (2010): 783–792.

<http://www.cnr.it/prodotto/i/40211>

info:cnr-pdr/source/autori:S. Santangelo; G. Messina; G. Faggio; M. Lanza; A. Pistone; C. Milone/titolo:Calibration of reaction parameters for the improvement of thermal stability and crystalline quality of MWCNTs/

4)-Fe-catalysed synthesis of C nanotubes by i-C₄H₁₀ decomposition: advantages and problems deriving from H₂ addition to the growth ambient

S. Santangelo; C. Milone; M. Lanza; G. Messina

1-8 (2010): 1862.

<http://www.cnr.it/prodotto/i/40212>

info:cnr-pdr/source/autori:S. Santangelo, C. Milone, M. Lanza, G. Messina/titolo:Fe-catalysed synthesis of C nanotubes by i-C₄H₁₀ decomposition: advantages and problems deriving from H₂ addition to the growth ambient/

5)-K₁₀ Montmorillonite based catalysts for the growth of Multi Walled Carbon Nanotubes through CCVD

C Milone; M Dhanagopal; S Santangelo; M Lanza; S Galvagno; G Messina

49 (2010): 3242–3249.

<http://www.cnr.it/prodotto/i/40213>

info:cnr-pdr/source/autori:C Milone, M Dhanagopal, S Santangelo, M Lanza, S Galvagno, G Messina/titolo:K10 Montmorillonite based catalysts for the growth of Multi Walled Carbon Nanotubes through CCVD/

6)-Crystalline quality evaluation in carbon nanotubes by kinetic analysis in quasi-isothermal conditions

M. Lanza; S Santangelo; G Messina; S. Galvagno; C. Milone

ChemPhysChem (Print) 11 (2010): 1925–1931.

<http://www.cnr.it/prodotto/i/40214>

info:cnr-pdr/source/autori:M. Lanza, S Santangelo, G Messina, S. Galvagno, C. Milone/titolo:Crystalline quality evaluation in carbon nanotubes by kinetic analysis in quasi-isothermal conditions/

7)-Indication of Local Phase Separation in Polyimide/Silica Hybrid Polymers

A. Bartolotta; P. CalandraSUBJECTdynamic mechanical spectroscopySUBJECTFT-IRSUBJECTpolyimides

Macromolecular chemistry and physics (Print) 211 (2010): 1784–1792.

<https://dx.doi.org/10.1002/macp.201000110>

8)-Subglass Cooperative Mechanical Relaxations and Activation Entropy in Heterocyclic Polymer Networks

A. Bartolotta; G. Carini Jr.; G. Carini; G. Di Marco; G. Tripodo

Macromolecules (Print) 43 (2010): 4798–4804.

<https://dx.doi.org/10.1021/ma100137w>

9)-Single wall carbon nanotubes deposited on stainless steel sheet substrates as novel counter electrodes for ruthenium polypyridine based dye sensitized solar cells

Calogero G.; Bonaccorso F.; Maragò O. M.; Gucciardi P. G.; Di Marco G.SUBJECTcarbon nanotubesSUBJECTdye-sensitizers solar cellsSUBJECTnanotechnologySUBJECTmaterials

Dalton transactions (2003. Print) 39 (2010): 2903–2909.

<https://dx.doi.org/10.1039/B917954B>

10)-Metal Nanoparticles and Carbon-Based Nanostructures as Advanced Materials for Cathode Application in Dye-Sensitized Solar Cells

Calandra, P; Calogero, G; Sinopoli, A; Gucciardi, PGSUBJECTdye sensitized solar cellsSUBJECTphotovoltaicsSUBJECTmetal nanoparticlesSUBJECTcarbon nanotubesSUBJECTgraphene

International Journal of Photoenergy (Print) 2010 (2010): 109495.

<http://www.cnr.it/prodotto/i/40225>

info:cnr-pdr/source/autori:Calandra, P; Calogero, G; Sinopoli, A; Gucciardi, PG/titolo:Metal Nanoparticles and Carbon-Based Nanostructures as Advanced Materials for Cathode Application in Dye-Sensitized Solar Cells/

11)-Mechanical model for relaxation phenomena in viscoelastic media of order one

F. Farsaci; V. Ciancio; P. Rogolino

Physica. B, Condensed matter (Print) 405 (2010): 3208–3212.

<http://www.cnr.it/prodotto/i/40226>

info:cnr-pdr/source/autori:F. Farsaci; V. Ciancio; P. Rogolino/titolo:Mechanical model for relaxation phenomena in viscoelastic media of order one/

12)-Density gradient ultracentrifugation of Nanotubes: interplay of bundling and surfactants encapsulation

Bonaccorso, F; Hasan, T; Tan, PH; Sciascia, C; Privitera, G; Di Marco, G; Gucciardi, PG; Ferrari, ACSUBJECTSINGLE WALLED CARBON NANOTUBES; SODIUM DODECYLSULFATE; BILE-SALT MICELLES; EXCITON ENERGY-TRANSFER; CO-MO CATALYSTS; RAMAN-SPECTROSCOPY

Journal of physical chemistry. C 114 (2010): 17267–17285.

<http://www.cnr.it/prodotto/i/40228>

info:cnr-pdr/source/autori:Bonaccorso, F; Hasan, T; Tan, PH; Sciascia, C; Privitera, G; Di Marco, G; Gucciardi, PG; Ferrari, AC/titolo:Density gradient ultracentrifugation of Nanotubes: interplay of bundling and surfactants encapsulation/

13)-Sequence, Stoichiometry, and Dimensionality Control in Porphyrin/bis-Calix[4]arene Self-Assemblies in Aqueous Solution

Alessandro D'Urso; Domenico Andrea Cristaldi; Maria Elena Fragalà; Giuseppe Gattuso; Andrea Pappalardo; Valentina Villari; Norberto Micali; Sebastiano Pappalardo; Melchiorre F. Parisi; Roberto PurrelloSUBJECTcalixarenes; light scattering; noncovalent synthesis; porphyrinoids; self-assembly

Chemistry (Weinh., Print) 16 (2010): 10439–10446.

<https://dx.doi.org/10.1002/chem.201000803>

14)-Optical and sensing features of TPPS4 J-aggregates embedded in Nafion (R) membranes: influence of casting solvents

Maria Angela Castriciano; Alessandra Carbone; Ada Sacca; Maria Grazia Donato; Norberto Micali; Andrea Romeo; Giovanna De Luca; Luigi Monsù Scolaro

Journal of materials chemistry (Print) 20 (2010): 2882–2886.

<https://dx.doi.org/10.1039/b924667c>

15)-Amphiphilic Cyclodextrins as Nanocarriers of Genistein: A Spectroscopic Investigation Pointing Out the Structural Properties of the Host/Drug Complex System

R. Stancanelli; M. Guardo; C. Cannava; G. Guglielmo; P. Ficarra; V. Villari; N. Micali; A. Mazzaglia

Journal of pharmaceutical sciences 99 (2010): 3141–3149.

<https://dx.doi.org/10.1002/jps.22065>

16)-Single-crystal diamond MIS diode for deep UV detection

Alfieri D.; Almaviva S.; De Sio A.; Donato M.G.; Faggio G.; Giannini A.; Messina G.; Morgante S.; Pace E.; Santangelo S.; Scuderi S.; Tripodi P.

Radiation effects and defects in solids (Print) 165 (2010): 737–745.

<http://www.cnr.it/prodotto/i/40245>

info:cnr-pdr/source/autori:Alfieri D.; Almaviva S.; De Sio A.; Donato M.G.; Faggio G.; Giannini A.; Messina G.; Morgante S.; Pace E.; Santangelo S.; Scuderi S.; Tripodi P./titolo:Single-crystal diamond MIS diode for deep UV detection/

17)-Surface order reconstruction in nematics

H. Ayeb; G. Lombardo; F. Ciuchi; R. Hamdi; A. Gharbi; G. Durand; R. Barberi

SUBJECTLIQUID-CRYSTALS SUBJECTTRANSITIONS SUBJECTDEVICES SUBJECTCELL

Applied physics letters 97 (2010): 104104.

<https://dx.doi.org/10.1063/1.3455885>

18)-Investigation of corneal topography after deep lamellar endothelial keratoplasty

M.Lombardo; M.A. Therry; G. Lombardo; S. Serrao; P. Ducoli

SUBJECTPHOTOREFRACTIVE KERATECTOMY SUBJECTBIOMECHANICAL MODELS SUBJECTCOLLAGEN FIBRILS SUBJECTDLEK SUBJECTSTROMA

European Journal of Ophthalmology (Testo stamp.) 20 (2010): 971–978.

<http://www.cnr.it/prodotto/i/40256>

info:cnr-pdr/source/autori:M.Lombardo, M.A. Therry, G. Lombardo, S. Serrao, P. Ducoli/titolo:Investigation of corneal topography after deep lamellar endothelial keratoplasty/

19)-Wave aberration of human eyes and new descriptors of image optical quality and visual performance

M. Lombardo; G. Lombardo

SUBJECTHIGHER-ORDER ABERRATIONS; AGE-RELATED-CHANGES; MONOCHROMATIC ABERRATIONS; CONTRAST SENSITIVITY; FRONT ABERRATIONS; LIGHT-SCATTERING; SPHERICAL-ABERRATION; CORNEAL ABERRATIONS; REFRACTIVE SURGERY; OCULAR ABERRATIONS

Journal of cataract and refractive surgery 36 (2010): 313–331.

<https://dx.doi.org/10.1016/j.jcrs.2009.09.026>

20)-Analysis of posterior donor corneal parameters one-year after Descemet Stripping Automated Endothelial Keratoplasty (DSAEK) triple procedure

M. Lombardo; M. A. Terry; G. Lombardo; D. D. Boozer; S. Serrao; P. Ducoli

SUBJECTDescemet stripping automated endothelial keratoplasty; DSAEK; Endothelial keratoplasty; Corneal topography; Donor graft geometry; DSAEK triple procedure

Graefe's archive for clinical and experimental ophthalmology 248 (2010): 421–427.

<https://dx.doi.org/10.1007/s00417-009-1284-2>

21)-Moving mesh partial differential equations to describe nematic order dynamics

A. Amoddeo; R. Barberi; G. LombardoSUBJECTBOUNDARY-VALUE
PROBLEMSUBJECTLIQUID-CRYSTALSSUBJECTVARIABLE
DEGREESUBJECTORIENTATION

Computers & mathematics with applications (1987) 60 (2010): 2239–2252.

<https://dx.doi.org/10.1016/j.camwa.2010.08.014>

22)-Elastic anisotropy at a glance:the optical signature of disclination lines

M. Buscaglia; G. Lombardo; L. Cavalli; R. Barberi; T. BelliniSUBJECTNEMATIC LIQUID-
CRYSTALSSUBJECTQUENCHED

DISORDERSUBJECTCONSTANTSSUBJECTALIGNMENTSUBJECTORDER

Soft matter (Print) 6 (2010): 5434–5442.

<https://dx.doi.org/10.1039/c0sm00578a>

23)-Stratified dust grains in the interstellar medium - II. Time-dependent interstellar extinction

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

mediumSUBJECTabundancesSUBJECTdustSUBJECTextinction

Monthly notices of the Royal Astronomical Society (Print) 408 (2010): 535–541.

<http://www.cnr.it/prodotto/i/40268>

info:cnr-pdr/source/autori:Cecchi-Pestellini C.; Cacciola A.; Iatì M.A.; Saija R.; Borghese F.;
Denti P.; Giusto A.; Williams D.A./titolo:Stratified dust grains in the interstellar medium - II.
Time-dependent interstellar extinction/

24)-Anomalous phase behavior in a model fluid with only one type of local structure

Prestipino S.; Saija F.; Malescio G.SUBJECTanomalous meltingSUBJECTsolid-solid
transitionSUBJECThigh-pressure phase diagrams of the elements

The Journal of chemical physics 133 (2010): 144504.

<https://dx.doi.org/10.1063/1.3499830>

25)-Re-entrant melting of the exp-6 fluid: the role of the repulsion softness

Saija F.; Malescio G.; Prestipino S.SUBJECTHigh-pressure phase diagrams of the
elementsSUBJECTLiquid-solid transitionsSUBJECTSolid-solid transitionsSUBJECTReentrant
melting

Physics and chemistry of liquids (Print) 48 (2010): 477–487.

<https://dx.doi.org/10.1080/00319100903131542>

26)-Brillouin scattering investigation of ME6N liquid crystal in CCl4

Aliotta F.; Giorgini M. G.; Ponterio R. C.; Saija F.SUBJECTBrillouin scattering; Molecular
binary mixtures; Hard-core models

Journal of molecular liquids (Print) 153 (2010): 67–71.

<https://dx.doi.org/10.1016/j.molliq.2009.07.013>

27)-Entropy from Correlations in TIP4P Water

Giuffrè E.; Prestipino S.; Saija F.; Saitta A. M.; Giaquinta P. V.
Journal of chemical theory and computation 6 (2010): 625–636.
<https://dx.doi.org/10.1021/ct900627q>

28)-An extended model of liquid bridging

Saija F.; Aliotta F.; Fontanella M. E.; Pochylski M.; Salvato G.; Vasi C.; Ponterio R. C.
The Journal of chemical physics 133 (2010): 081104.
<https://dx.doi.org/10.1063/1.3483690>

29)-Simulation and Reference Interaction Site Model theory of methanol and carbon tetrachloride mixtures

Costa D.; Munaò G.; Saija F.; Caccamo C.
The Journal of chemical physics 132 (2010): 084506.
<https://dx.doi.org/10.1063/1.3314296>

30)-Some evidences of scaling behavior in the relaxation dynamics of aqueous polymer solutions

Pochylski M.; Aliotta F.; Ponterio R. C.; Saija F.; Gapinsky J.
The journal of physical chemistry. B 114 (2010): 1614–1620.
<https://dx.doi.org/10.1021/jp9052456>

31)-Raman scattering measurements on floating water-bridge

Ponterio, RC; Pochylski, M; Aliotta, F; Vasi, C; Fontanella, ME; Saija, F
Journal of physics. D, Applied physics (Print) 43 (2010): 175405.
<http://www.cnr.it/prodotto/i/40278>

info:cnr-pdr/source/autori:Ponterio, RC; Pochylski, M; Aliotta, F; Vasi, C; Fontanella, ME;
Saija, F/titolo:Raman scattering measurements on floating water-bridge/

32)-Influence of the plasma expansion dynamics on the structural properties of pulsed laser ablation deposited tin oxide thin films

Trusso S.; Fazio B.; Fazio E.; Neri F.; Barreca F.SUBJECTTin oxide; Pulsed laser ablation;
Plasma expansion
Thin solid films (Print) 518 (2010): 5409–5415.
<https://dx.doi.org/10.1016/j.tsf.2010.03.067>

33)-Different longitudinal optical - transverse optical mode amplification in tip enhanced Raman spectroscopy of GaAs(001)

Gucciardi P. G.; Valmalette J.-C.SUBJECTMICROSCOPY; SCATTERING; RESOLUTION;
POLARIZATION
Applied physics letters 97 (2010): 263104.

<http://www.cnr.it/prodotto/i/40355>

info:cnr-pdr/source/autori:Gucciardi P. G.; Valmalette J.-C./titolo:Different longitudinal optical - transverse optical mode amplification in tip enhanced Raman spectroscopy of GaAs(001)/

34)-Brownian Motion of Graphene

Marago' O. M.; Bonaccorso F.; Saija R.; Privitera G.; Gucciardi P. G.; Iatì M. A.; Calogero G.; Jones P. H.; Borghese F.; Denti P.; Nicolosi V.; Ferrari A. C.SUBJECTBrownian motionSUBJECTOptical tweezersSUBJECTgrapheneSUBJECTelectromagnetic scattering theory

ACS nano 4 (2010): 7515–7523.

<http://www.cnr.it/prodotto/i/40357>

info:cnr-pdr/source/autori:Marago' O. M.; Bonaccorso F.; Saija R.; Privitera G.; Gucciardi P. G.; Iatì M. A.; Calogero G.; Jones P. H.; Borghese F.; Denti P.; Nicolosi V.; Ferrari A. C./titolo:Brownian Motion of Graphene/

35)-Synthesis of Yb nanoparticles by laser ablation of Yb target in AOT reverse micellar solution

Calandra P.; Lombardo D.; Trusso S.; Neri F.; Ruggirello A.; Turco Liveri V.SUBJECTNanomaterialsSUBJECTLaser ablationSUBJECTReverse micellesSUBJECTSurfactantSUBJECTYtterbium

Materials letters (Gen. ed.) 64 (2010): 576.

<http://www.cnr.it/prodotto/i/40392>

info:cnr-pdr/source/autori:Calandra P.; Lombardo D.; Trusso S.; Neri F.; Ruggirello A.; Turco Liveri V./titolo:Synthesis of Yb nanoparticles by laser ablation of Yb target in AOT reverse micellar solution/

36)-Propagation of laser generated plasmas through inert gases

Neri F.; Ossi P.M.; Trusso S.SUBJECTPlasma expansionSUBJECTLaser ablationSUBJECTMixed-propagation model

Laser and particle beams (Print) 28 (2010): 53–59.

<https://dx.doi.org/10.1017/S0263034609990565>

37)-Time evolution of a laser generated silver plasma expanding in a background gas

Neri F.; Ossi P.M.; Trusso S.SUBJECTPlasma expansionSUBJECTmixed-propagation modelSUBJECTshock-waveSUBJECTfast photographySUBJECTsilver nanoparticle

Radiation effects and defects in solids (Print) 165 (2010): 559–565.

<http://www.cnr.it/prodotto/i/40396>

info:cnr-pdr/source/autori:Neri F.; Ossi P.M.; Trusso S./titolo:Time evolution of a laser generated silver plasma expanding in a background gas/

38)-Pulsed laser-deposited SnOx: plasma expansion dynamics effects

Fazio E.; Neri F.; Ruggeri R.; Trusso S. SUBJECT Laser ablation SUBJECT laser-generated plasmas SUBJECT thin oxide SUBJECT thin films

Radiation effects and defects in solids (Print) 165 (2010): 700–705.

<http://www.cnr.it/prodotto/i/40397>

info:cnr-pdr/source/autori:Fazio E.; Neri F.; Ruggeri R.; Trusso S./titolo:Pulsed laser-deposited SnOx: plasma expansion dynamics effects/

39)-Optical and structural properties of SiCxNy thin films deposited by reactive pulsed laser ablation

Neri F.; Tripodi P.; Trusso S.; Faggio G. SUBJECT Laser ablation SUBJECT Silicon carbide SUBJECT Optical properties SUBJECT Ellipsometry

Radiation effects and defects in solids (Print) 165 (2010): 754–759.

<http://www.cnr.it/prodotto/i/40402>

info:cnr-pdr/source/autori:Neri F.; Tripodi P.; Trusso S.; Faggio G./titolo:Optical and structural properties of SiCxNy thin films deposited by reactive pulsed laser ablation/

40)-Effects of the plasma expansion dynamics and of the laser fluence on CNx thin films deposited by laser ablation

Barreca F.; Barletta E.; Spadaro D.; Spadaro S.; Curro' G.; Trusso S.; Neri F. SUBJECT carbon nitride SUBJECT Laser ablation SUBJECT structural properties

Radiation effects and defects in solids (Print) 165 (2010): 809–814.

<http://www.cnr.it/prodotto/i/40404>

info:cnr-pdr/source/autori:Barreca F.; Barletta E.; Spadaro D.; Spadaro S.; Curro' G.; Trusso S.; Neri F./titolo:Effects of the plasma expansion dynamics and of the laser fluence on CNx thin films deposited by laser ablation/

41)-Porous nanoparticles formation using a dendrimer template

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

24 (2010): 427–431.

<http://www.cnr.it/prodotto/i/40429>

info:cnr-pdr/source/autori:Bonaccorsi L., Lombardo D., Longo A., Proverbio E., Calandra P./titolo:Porous nanoparticles formation using a dendrimer template/

42)-Dielectric response of the manganese thiophosphate intercalated with potassium ions

Silipigni L.; Schirò L.; Grasso V.; Salvato G.; Monsù Scolaro L.; De Luca G. SUBJECT Nanocrystalline materials SUBJECT Dielectric properties of solids and liquids

Il Nuovo cimento B (2009, Testo stamp.) 125 (2010): 539–545.

<https://dx.doi.org/10.1393/ncb/i2010-10840-4>

43)-An apparatus for measuring the timing properties of scintillators for neutron imaging

Salvato G; Aliotta F; Finocchiaro V; Tresoldi V; Vasi C; Ponterio R SUBJECT Neutron imaging SUBJECT Neutron energy resolved imaging SUBJECT Neutron scintillators SUBJECT Neutron instruments

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 621 (2010): 489–492.

<http://www.cnr.it/prodotto/i/40432>

info:cnr-pdr/source/autori:Salvato G, Aliotta F, Finocchiaro V, Tresoldi V, Vasi C, Ponterio R/titolo:An apparatus for measuring the timing properties of scintillators for neutron imaging/

44)-Relation between Low-Temperature Thermal Conductivity and the Specific Heat of Cesium Borate Glasses

D'Angelo G; Crupi C; Tripodo G; Salvato G

The journal of physical chemistry. B 114 (2010): 2467–2475.

<https://dx.doi.org/10.1021/jp907152y>

45)-Mitochondria isolated in nearly isotonic KCl buffer: focus on cardiolipin and organelle morphology.

Corcelli A; Saponetti MS; Zaccagnino P; Lopalco P; Mastrodonato M; Liquori GE; Lorusso M. *1798 (2010): 681–687.*

<http://www.cnr.it/prodotto/i/40481>

info:cnr-pdr/source/autori:Corcelli A, Saponetti MS, Zaccagnino P, Lopalco P, Mastrodonato M, Liquori GE, Lorusso M./titolo:Mitochondria isolated in nearly isotonic KCl buffer: focus on cardiolipin and organelle morphology./

46)-Thin-Film Photovoltaics

Di Marco G.; Palmisano L.

International Journal of Photoenergy (Print) 2010 (2010): 2.

<https://dx.doi.org/10.1155/2010/528512>

47)-Low frequency dynamics of lysozyme: A Raman scattering and low temperature specific heat study

Crupi C.; D'Angelo G.; Wanderlingh U.; Nibali V. Conti; Vasi C.SUBJECTBoson Peak; lysozyme; protein; specific heat; Raman scattering; low frequency dynamics

Spectroscopy (Ott.) 24 (2010): 201–205.

<https://dx.doi.org/10.3233/SPE-2010-0464>

48)-Plasmon-enhanced optical trapping of metal nanoparticles: Force calculations and light-driven rotations of nanoaggregates

Maragò O.M.; Saija R.; Borghese F.; Denti P.; Jones P.H.; Messina E.; Compagnini G.; Amendola V.; Meneghetti M.; Iatì M.A.; Gucciardi P.G.SUBJECTOptical trappingSUBJECTMetal nanoparticlesSUBJECTPlasmon enhancementSUBJECTLight scattering theorySUBJECTLight-driven rotations

Proceedings of SPIE 7762 (2010): 77622Z.

<https://dx.doi.org/10.1117/12.863113>

49)-Design of photosensitizer/cyclodextrin nanoassemblies:spectroscopy, intracellular delivery and photodamage

A. Mazzaglia; N. Micali; L. Monsù Scolaro; M.T. Sciortino; S. Sortino; V. Villari

Journal of porphyrins and phthalocyanines 14 (2010): 661–677.

<https://dx.doi.org/10.1142/S1088424610002562>

50)-Optical, morphological and spectroscopic characterization of graphene on SiO₂

Giannazzo F.; Sonde S.; Raineri V.; Patanè G.; Compagnini G.; Aliotta F.; Ponterio R.; Rimini E.

Physica status solidi. C, Current topics in solid state physics (Internet) 7 (2010): 1251–1255.

<http://www.cnr.it/prodotto/i/168780>

info:cnr-pdr/source/autori:Giannazzo F., Sonde S., Raineri V., Patanè G., Compagnini G., Aliotta F., Ponterio R., Rimini E./titolo:Optical, morphological and spectroscopic characterization of graphene on SiO₂/

51)-On polyethylene chain generation through chemical crosslinking of isotactic polypropylene

S. Bouhelal; M. E. Cagliao; A. Bartolotta; G. Di Marco, L. Garrido, D. Benachour, F. J. Baltá CallejaSUBJECTreactive extrusionSUBJECTcrosslinkingSUBJECTdifferential scanning calorimetrySUBJECTFTIRSUBJECTNMR

Journal of applied polymer science (Print) 116 (2010): 394–403.

<https://dx.doi.org/10.1002/app.30903>

52)-Assessment of an internal reference gene in Rhodobacter sphaeroides grown under cobalt exposure

Losurdo, L.; Italiano, F.; Trotta, M.; Gallerani, R.; Ceci, L. R.; De Leo, FSUBJECTRhodobacter sphaeroides / Heavy metal exposure / qRT-PCR / Reference internal gene / Bioremediation

Journal of basic microbiology 50 (2010): 302–305.

<https://dx.doi.org/10.1002/jobm.200900340>

53)-Precision patterning with luminescent nanocrystal functionalized beads

Fanizza E; Malaquin L; Kraus T; Wolf H; Striccoli M; Micali N; Taurino A; Agostiano A; Curri ML

Langmuir 26 (2010): 14294–14300.

<https://dx.doi.org/10.1021/la1023339>

54)-Bridged Phthalocyanine Systems for Sensitization of Nanocrystalline TiO₂ Films

Zanotti G.; Angelini N.; Notarantonio S.; Paoletti A.; Pennesi G.; Rossi G.; Lembo A.; Colonna D.; Di Carlo A.; Reale A.; Brown T.M.; Calogero G. Zanotti G.; Angelini N.; Notarantonio S.; Paoletti A.M.; Pennesi G.; Rossi G.; Lembo A.; Colonna D.; Di Carlo A.; Reale A.; Brown T.M.; Calogero G.

International Journal of Photoenergy (Online) 2010 (2010): 136807.

<https://dx.doi.org/10.1155/2010/136807>

55)-Aggregation properties of the peptide fragments derived from the 17-29 region of the human and rat IAPP: a comparative study with two PEG-conjugated variants of the human sequence

A. Mazzaglia; N. Micali; L. Monsù Scolaro; F. Attanasio; A. Magrì; G. Pappalardo; V. Villari
SUBJECT ISLET AMYLOID POLYPEPTIDES
SUBJECT PROTEIN-MISFOLDING DISEASES
SUBJECT POLY(ETHYLENE OXIDE)
SUBJECT POLY(ACRYLIC ACID)-BLOCK-POLY(L-VALINE)
SUBJECT TRANSLATIONAL DIFFUSION
SUBJECT ALZHEIMERS-DISEASES
SUBJECT DIABETES-MELLITUS
SUBJECT DILUTE-SOLUTIONS
SUBJECT HUMAN AMYLINS
SUBJECT OLIGOMERS

The journal of physical chemistry. B 114 (2010): 705–713.

<https://dx.doi.org/10.1021/jp908436s>

56)-On a thermodynamical model for dielectric relaxation phenomena

V. Ciancio V; F. Farsaci; P. Rogolino

Physica. B, Condensed matter (Print) 405 (2010): 175–179.

<http://www.cnr.it/prodotto/i/170566>

info:cnr-pdr/source/autori:V. Ciancio V; F. Farsaci; P. Rogolino/titolo:On a thermodynamical model for dielectric relaxation phenomena/

57)-Evidence of repulsive Yukawa tail for copolymer micelles in room temperature ionic liquid

Valentina Villari; Alessandro Triolo; Norberto Micali

Soft matter (Print) 6 (2010): 1793–1798.

<https://dx.doi.org/10.1039/b925528a>

58)-Efficient Dye-Sensitized Solar Cells Using Red Turnip and Purple Wild Sicilian Prickly Pear Fruits

Calogero G.; Di Marco G.; Cazzanti S.; Caramori S.; Argazzi R.; Di Carlo A.; Bignozzi C.
A. SUBJECT dye-sensitized solar cells
SUBJECT betalains
SUBJECT nanomaterials
SUBJECT solar energy
SUBJECT external quantum efficiency

International journal of molecular sciences (Online) 11 (2010): 254–267.

<https://dx.doi.org/10.3390/ijms11010254>

59)-Selected chemical-physical properties and structural heterogeneities in 1-ethyl-3-methylimidazolium alkyl-sulfate room temperature ionic liquids

Russina O.; Gontrani L.; Fazio B.; Lombardo D.; Triolo A.; Caminiti R.

Chemical physics letters (Print) 493 (2010): 259–262.

<http://www.cnr.it/prodotto/i/170926>

info:cnr-pdr/source/autori:Russina O.; Gontrani L.; Fazio B.; Lombardo D.; Triolo A.; Caminiti R./titolo:Selected chemical-physical properties and structural heterogeneities in 1-ethyl-3-methylimidazolium alkyl-sulfate room temperature ionic liquids/

60)-Rotational dynamics of optically trapped nanofibers

Neves A. R.; Camposeo A.; Pagliara S.; Saija R.; Borghese F.; Denti P.; Iatì M.A.; Cingolani R.; Maragò O.M.; Pisignano D.

Optics express 18 (2010): 822–830.

<https://dx.doi.org/10.1364/OE.18.000822>

61)-Raman optical amplification properties of sodium-niobium-phosphate glasses

Donato M. G.; Gagliardi M.; Sirleto L.; Messina G.; Lipovskii A. A.; Tagantsev D. K.; Righini G. C.

Applied physics letters 97 (2010): 231111–231111.

<https://dx.doi.org/10.1063/1.3525162>

62)-Investigation of amphiphilic cyclodextrins encapsulating gold colloids and porphyrins for combined photodynamic and photothermal therapy on tumor HeLa cells

Mazzaglia, A; Trapani, M; Micali, N; Monsu Scolaro, L; Parisi, T; Sciortino, MT

Journal of biotechnology 150 (2010): 192.

<https://dx.doi.org/10.1016/j.jbiotec.2010.08.500>

63)-Communication: An extended model of liquid bridging

Saija; F.; Aliotta; F.; Fontanella; M. E.; Pochylski; M.; Salvato; G.; Vasi; C.; Ponterio; R. C.SUBJECTWATER BRIDGESUBJECTFORCES

The Journal of chemical physics 133 (2010).

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64)-Investigation of corneal topography after deep lamellar endothelial keratoplasty

Lombardo, Marco; Terry, Mark A.; Lombardo, Giuseppe; Serrao, Sebastiano; Ducoli, PietroSUBJECTCorneal biomechanicsSUBJECTCorneal topographySUBJECTDeep lamellar endothelial keratoplastySUBJECTEndothelial keratoplasty

European Journal of Ophthalmology (Testo stamp.) 20 (2010): 971–978.

<http://www.cnr.it/prodotto/i/335593>

info:cnr-pdr/source/autori:Lombardo, Marco; Terry, Mark A.; Lombardo, Giuseppe; Serrao, Sebastiano; Ducoli, Pietro/titolo:Investigation of corneal topography after deep lamellar endothelial keratoplasty/

65)-Raman scattering investigation of the water-bridge phenomenon: Some preliminary results

Aliotta, Francesco; Fontanella, Maria E.; Ponterio, Rosina C.; Saija, Franz; Vasi, CirinoSUBJECTAggregationSUBJECTWater

Atti della Accademia Peloritana dei Pericolanti, Classe di Scienze Fisiche, Matematiche e Naturali (Testo stampato) 88 (2010).

<https://dx.doi.org/10.1478/C1A1002001>

66)-Synthesis of Yb nanoparticles by laser ablation of ytterbium target in sodium bis(2-ethylhexyl)sulfosuccinate reverse micellar solution

Calandra, Pietro; Lombardo, Domenico; Neri, Fortunato; Ruggirello, Angela; Trusso, Sebastiano; Liveri, Vincenzo TurcoSUBJECTNanomaterialsSUBJECTLaser ablationSUBJECTReverse micellesSUBJECTSurfactantSUBJECTYtterbium

Materials letters (Gen. ed.) 64 (2010): 576–579.

<https://dx.doi.org/10.1016/j.matlet.2009.12.004>

67)-Raman scattering measurements on a floating water bridge

Ponterio, R. C.; Pochylski, M.; Aliotta, F.; Vasi, C.; Fontanella, M. E.; Saija, F.SUBJECTRamanSUBJECTSpectroscopy

Journal of physics. D, Applied physics (Print) 43 (2010).

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68)-An apparatus for measuring the timing properties of scintillators for neutron imaging

Salvato, G.; Aliotta, F.; Finocchiaro, V.; Tresoldi, D.; Vasi, C. S.; Ponterio, R. C.SUBJECTNeutron imagingSUBJECTNeutron energy resolved imagingSUBJECTNeutron scintillatorsSUBJECTNeutron instruments

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 621 (2010): 489–492.

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1)-Extinction by stratified interstellar dust grains

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

Electromagnetic and Light Scattering XII, Helsinki, 2010

<http://www.cnr.it/prodotto/i/88178>

info:cnr-pdr/source/autori:M.A. Iatì, C. Cecchi-Pestellini, A. Cacciola, R. Saija, P. Denti, F. Borghese/congresso_nome:Electromagnetic and Light Scattering XII/congresso_luogo:Helsinki/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

2)-A Raman Study of MMP2 and MnSOD, Two Pathology Biomarkers

David, Catalina; D'Andrea, Cristiano; Fazio, Barbara; Marago, Onofrio M.; Gucciardi, Pietro G.; de la Chapelle, Marc Lamy

XXII INTERNATIONAL CONFERENCE ON RAMAN SPECTROSCOPY, pp. 393–393, 2010

<http://www.cnr.it/prodotto/i/88182>

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3)-LASER INDUCED AGGREGATION OF GOLD NANORODS FOR SERS DETECTION OF BIOMOLECULES IN LIQUID ENVIRONMENT

C. D'Andrea; B. Fazio; V. Villari; N. Micali; O. Maragò; M.A. Iatì; G. Calogero; P.G. Gucciardi
1° GIORNATA DI STUDIO DEL DOTTORATO DI RICERCA IN FISICA DELL'UNIVERSITÀ DI MESSINA, Messina, 2010

<http://www.cnr.it/prodotto/i/88231>

info:cnr-pdr/source/autori:C. D'Andrea, B. Fazio, V. Villari, N. Micali, O. Maragò, M.A. Iatì, G. Calogero, P.G. Gucciardi/congresso_nome:1° GIORNATA DI STUDIO DEL DOTTORATO DI RICERCA IN FISICA DELL'UNIVERSITÀ DI MESSINA/congresso_luogo:Messina/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

4)-Relativistic elastic tensor

F. Farsaci; V. Ciancio

2010

<http://www.cnr.it/prodotto/i/117046>

info:cnr-pdr/source/autori:F.

Farsaci,

V.

Ciancio/congresso_nome:/congresso_luogo:/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

5)-Multi Walled Carbon Nanotubes synthesis over clay based catalysts

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

VII Convegno Nazionale AICING 2010, Bressanone (Italy), 2010

<http://www.cnr.it/prodotto/i/117060>

info:cnr-pdr/source/autori:C. Milone, E. Piperopoulos, S. Santangelo, M. Lanza, G. Messina, S.

Galvagno/congresso_nome:VII Convegno Nazionale AICING

2010/congresso_luogo:Bressanone

(Italy)/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

6)-Multi Walled Carbon Nanotubes as adsorbent for low temperature heat adsorption pumps

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

S. Galvagno

XVI Congresso Nazionale di Catalisi GIC 2010, Mondello (Palermo, Italy), 2010

<http://www.cnr.it/prodotto/i/117061>

info:cnr-pdr/source/autori:E. Piperopoulos, C. Milone, L. Bonaccorsi, M. Lanza, S. Santangelo,

E. Proverbio, G. Messina, S. Galvagno/congresso_nome:XVI Congresso Nazionale di Catalisi

GIC 2010/congresso_luogo:Mondello (Palermo,

Italy)/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

7)-Iron-supported catalyst for the synthesis of Carbon Nanotubes by Catalytic Chemical Vapor Deposition

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

Pistone

XVI Congresso Nazionale di Catalisi GIC 2010, Mondello (Palermo, Italy), 2010

<http://www.cnr.it/prodotto/i/117062>

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Galvagno, G. Faggio, A. Pistone/congresso_nome:XVI Congresso Nazionale di Catalisi GIC

2010/congresso_luogo:Mondello (Palermo,

Italy)/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

8)-MWCNT-based hybrids for high-performance polymer composites

S.Santangelo; E.Piperopoulos; G.Faggio; M.Lanza; G.Gorras; S. Galvagno; G.Messina;

C.Milone

International Conference on Surfaces, Coatings and Nanostructured Materials NANOSMAT-5, Remis (France), 2010

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9)-Novel polylactide-MWCNT-Clay nanocomposites: preparation, structural characterization and analysis of physical properties

C. Milone; S. Santangelo; G. Gorrasi; R. Di Lieto; S. De Pasquale; G. Patimo; E. Piperopoulos; M. Lanza; G. Faggio; F. Mauriello; G. Messina

VII Convegno Nazionale AICING 2010, Bressanone (Italy), 2010

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info:cnr-pdr/source/autori:C. Milone, S. Santangelo, G. Gorrasi, R. Di Lieto, S. De Pasquale, G. Patimo, E. Piperopoulos, M. Lanza, G. Faggio, F. Mauriello, G. Messina/congresso_nome:VII Convegno Nazionale AICING 2010/congresso_luogo:Bressanone (Italy)/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

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

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

DIAMOND Conference 2010, Budapest (Hungary), 2010

<http://www.cnr.it/prodotto/i/117065>

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11)-Apparent Activation Energy of Oxidation of Multi Walled Carbon Nanotubes for Crystalline Quality Assessment

Maurizio Lanza; Saveria Santangelo; Giacomo Messina; Signorino Galvagno; Candida Milone
4th International Symposium on Carbon for Catalysis, CarboCat 2010, Dalian (China), 2010

<http://www.cnr.it/prodotto/i/117066>

info:cnr-pdr/source/autori:Maurizio Lanza, Saveria Santangelo, Giacomo Messina, Signorino Galvagno, Candida Milone/congresso_nome:4th International Symposium on Carbon for Catalysis, CarboCat 2010/congresso_luogo:Dalian (China)/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

12)-Catalytic Wet Air Oxidation of p-coumaric acid: CNT versus Active Carbon

Candida Milone; Abdul Rahim; Elpida Piperopoulos; Saveria Santangelo; Maurizio Lanza; Signorino Galvagno

4th International Symposium on Carbon for Catalysis, CarboCat 2010, Dalian (China), 2010
<http://www.cnr.it/prodotto/i/117067>

info:cnr-pdr/source/autori:Candida Milone, Abdul Rahim, Elpida Piperopoulos, Saveria Santangelo, Maurizio Lanza, Signorino Galvagno/congresso_nome:4th International Symposium on Carbon for Catalysis, CarboCat 2010/congresso_luogo:Dalian (China)/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

13)-Optical and Structural Properties of a Hybrid Organic-Inorganic Ternary Nanocomposite

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

Sixth International Conference on Porphyrins and Phthalocyanines (ICPP-6), New Mexico (USA), 2010

<http://www.cnr.it/prodotto/i/117074>

info:cnr-pdr/source/autori:A. Mazzaglia, V. Villari, M. A. Castriciano, G. De Luca, A. Romeo, L. Monsù Scolaro and N. Micali/congresso_nome:Sixth International Conference on Porphyrins and Phthalocyanines (ICPP-6)/congresso_luogo:New Mexico (USA)/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

14)-Aggregation of cyclic porphyrin-based supramolecular architectures

V. Villari; P. Mineo; E. Scamporrino; N. Micali

Enrico Fermi school Course CLXXVI Complex materials in physics and biology, Varenna (CO), 2010

<http://www.cnr.it/prodotto/i/117075>

info:cnr-pdr/source/autori:V. Villari, P. Mineo, E. Scamporrino, N. Micali/congresso_nome:Enrico Fermi school Course CLXXVI Complex materials in physics and biology/congresso_luogo:Varenna (CO)/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

15)-Light Scattering Enhancement in Porphyrin Nanocomposite

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

Enrico Fermi School Course CLXXVI - Complex materials in physics and biology, Varenna (CO), 2010

<http://www.cnr.it/prodotto/i/117076>

info:cnr-pdr/source/autori:V. Villari, A. Mazzaglia, M. A. Castriciano, G. De Luca, B. Fazio, A. Romeo, L. Monsù Scolaro, N. Micali/congresso_nome:Enrico Fermi School Course CLXXVI - Complex materials in physics and biology/congresso_luogo:Varenna (CO)/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

16)-Evidence of a finite screening length of the repulsive potential among copolymer micelles in a room temperature ionic liquid

Villari V.; Triolo A.; Micali N.

Enrico Fermi School Course CLXXVI - "Complex materials in physics and biology", Varenna (CO), 2010

<http://www.cnr.it/prodotto/i/117077>

info:cnr-pdr/source/autori:Villari V., Triolo A., Micali N./congresso_nome:Enrico Fermi School Course CLXXVI - "Complex materials in physics and biology"/congresso_luogo:Varenna (CO)/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

17)-Nanoassemblies of Amphiphilic Cationic beta-Cyclodextrin and Anionic Porphyrin as Potential Tools in Photodynamic Therapy

Mazzaglia A.; Monsù Scolaro L; Micali N; Villari V; Donato M.G; Díaz-Moscoso A; Ortiz Mellet C. García Fernández J.M

15th International Cyclodextrin Symposium, Vienna, 2010

<http://www.cnr.it/prodotto/i/117078>

info:cnr-pdr/source/autori:Mazzaglia A., Monsù Scolaro L, Micali N, Villari V, Donato M.G, Díaz-Moscoso A, Ortiz Mellet C. García Fernández J.M/congresso_nome:15th International Cyclodextrin Symposium/congresso_luogo:Vienna/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

18)-Nematic order dynamics: defects and confinement

R. Barberi; G.Lombardo; R. Hamdi; F. Cosenza; F.Ciuchi; M.P. De Santo; B. Zappone; G. Carbone; R. Bartolino

5th Italian - Japanese Workshop on Liquid Crystals - IJLC 2010, Cetraro (CS), 2010

<http://www.cnr.it/prodotto/i/117084>

info:cnr-pdr/source/autori:R. Barberi, G.Lombardo, R. Hamdi, F. Cosenza, F.Ciuchi, M.P. De Santo, B. Zappone, G. Carbone, R. Bartolino/congresso_nome:5th Italian - Japanese Workshop on Liquid Crystals - IJLC 2010/congresso_luogo:Cetraro (CS)/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

19)-A Pixelated Bragg Edge Detector

Finocchiaro V; Salvato G; Aliotta F; Tresoldi D; Vasi CS; Ponterio RC

XCVI Congresso Nazionale Societa' Italiana di Fisica, Bologna, 2010

<http://www.cnr.it/prodotto/i/117139>

info:cnr-pdr/source/autori:Finocchiaro V, Salvato G, Aliotta F, Tresoldi D, Vasi CS, Ponterio RC/congresso_nome:XCVI Congresso Nazionale Societa' Italiana di

Fisica/congresso_luogo:Bologna/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

20)-Effetti del tasso di intercalazione x sulle proprietà elettroniche di Na_{2x}Mn_{1-x}PS₃

Silipigni L; Schirò L; Grasso V; Monsù Scolaro L; De Luca G; Salvato G
XCVI Congresso Nazionale della Società italiana di Fisica, Bologna, 2010
<http://www.cnr.it/prodotto/i/117140>

info:cnr-pdr/source/autori:Silipigni L, Schirò L, Grasso V, Monsù Scolaro L, De Luca G, Salvato G/congresso_nome:XCVI Congresso Nazionale della Società italiana di Fisica/congresso_luogo:Bologna/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

21)-Recent advances on nematic order reconstruction

Barberi R.; Lombardo G.; Hamdi R.; Cosenza F.; Ciuchi F.; Amoddeo A.
Confined Liquid Crystals: Landmarks and Perspectives, Ljubljana, 2010
<http://www.cnr.it/prodotto/i/117157>

info:cnr-pdr/source/autori:Barberi R., Lombardo G., Hamdi R., Cosenza F., Ciuchi F., Amoddeo A./congresso_nome:Confined Liquid Crystals: Landmarks and Perspectives/congresso_luogo:Ljubljana/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

22)-Synthesis of Yb/TiO₂ nanocomposites by laser ablation in reversed micellar solutions

P. Calandra; V. Turco Liveri; S. Trusso; D. Lombardo; A. Pistone
NANO 2010, Roma, 2010
<http://www.cnr.it/prodotto/i/117243>

info:cnr-pdr/source/autori:P. Calandra, V. Turco Liveri, S. Trusso, D. Lombardo, A. Pistone/congresso_nome:NANO
2010/congresso_luogo:Roma/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

23)-Surface-enhanced Raman scattering (SERS) from SnO₂ material

Fazio E.; Neri F.; Trusso S.SUBJECTTin OxideSUBJECTLaser AblationSUBJECTSERS
GISR 2010, Firenze, 2010
<http://www.cnr.it/prodotto/i/117254>

info:cnr-pdr/source/autori:Fazio E.; Neri F.; Trusso S./congresso_nome:GISR
2010/congresso_luogo:Firenze/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

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

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

PRIMO WORKSHOP DEL GRUPPO BIOSENSORI OTTICI E BIOFOTONICA, Firenze, 2010

<http://www.cnr.it/prodotto/i/117320>

info:cnr-pdr/source/autori:C. D'Andrea, B. Fazio, A. Irrera, P. Artoni, O. M. Maragò, M. A. Iatì, G. Calogero, P. G. Gucciardi/congresso_nome:PRIMO WORKSHOP DEL GRUPPO BIOSENSORI OTTICI E BIOFOTONICA/congresso_luogo:Firenze/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

25)-LASER INDUCED PHOTOTHERMAL AGGREGATION OF GOLD NANORODS FOR SERS DETECTION OF BIOMOLECULES IN LIQUID ENVIRONMENT

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

PRIMO WORKSHOP DEL GRUPPO BIOSENSORI OTTICI E BIOFOTONICA, Sesto Fiorentino, 2010

<http://www.cnr.it/prodotto/i/117321>

info:cnr-pdr/source/autori:B. Fazio, C. D'Andrea, V. Villari, N. Micali, O. M. Maragò, M. A. Iatì, G. Calogero, P. G. Gucciardi/congresso_nome:PRIMO WORKSHOP DEL GRUPPO BIOSENSORI OTTICI E BIOFOTONICA/congresso_luogo:Sesto Fiorentino/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

26)-Strongly polarized emission in Surface Enhanced Raman Scattering of randomly distributed molecules on gold nanowires

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

META10, Il Cairo, 2010

<http://www.cnr.it/prodotto/i/117322>

info:cnr-pdr/source/autori:B. Fazio, P. G. Gucciardi, F. Bonaccorso, C. Vasi, M. Allegrini, A. Toma, D. Chiappe, F. Buatier de Mongeot/congresso_nome:META10/congresso_luogo:Il Cairo/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

27)-A Raman study of MMP and MnSOD, two pathology biomarkers

David, C; D'Andrea, C; Fazio, B; Marago, OM; Gucciardi, PG; de la Chapelle, ML

XXII INTERNATIONAL CONFERENCE ON RAMAN SPECTROSCOPY, Boston, 2010

<http://www.cnr.it/prodotto/i/117323>

info:cnr-pdr/source/autori:David, C; D'Andrea, C; Fazio, B; Marago, OM; Gucciardi, PG; de la Chapelle, ML/congresso_nome:XXII INTERNATIONAL CONFERENCE ON RAMAN

SPECTROSCOPY/congresso_luogo:Boston/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

28)-Plasmon-Enhanced Optical Trapping of Metal Nanoparticles: scaling laws, light-driven rotations and manipulation of nano-aggregates

O.M. Maragò; R. Saija; F. Borghese; P. Denti; P.H. Jones; E. Messina; G. Compagnini; V. Amendola; M. Meneghetti; M.A. Iatì; P.G. Gucciardi

SPIE Conference on Optical Trapped and Optical Micromanipulation VII, San Diego, 2010

<http://www.cnr.it/prodotto/i/117324>

info:cnr-pdr/source/autori:O.M. Maragò, R. Saija, F. Borghese, P. Denti, P.H. Jones, E. Messina, G. Compagnini, V. Amendola, M. Meneghetti, M.A. Iatì, P.G. Gucciardi/congresso_nome:SPIE Conference on Optical Trapped and Optical Micromanipulation VII/congresso_luogo:San Diego/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

29)-Femtonewton force sensing and optical trapping of nanotubes and graphene

O. M. Maragò; F. Bonaccorso; P. G. Gucciardi; M. A. Iatì; G. Calogero; Philip H. Jones; R. Saija; F. Borghese; P. Denti; A. C. Ferrari

SPIE Photonics, San Diego, 2010

<http://www.cnr.it/prodotto/i/117325>

info:cnr-pdr/source/autori:O. M. Maragò, F. Bonaccorso, P. G. Gucciardi, M. A. Iatì, G. Calogero, Philip H. Jones, R. Saija, F. Borghese, P. Denti, A. C. Ferrari/congresso_nome:SPIE Photonics/congresso_luogo:San Diego/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

30)-LASER INDUCED AGGREGATION OF GOLD NANORODS FOR SERS DETECTION OF BIOMOLECULES IN LIQUID ENVIRONMENT

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

1° GIORNATA DI STUDIO DEL DOTTORATO DI RICERCA IN FISICA DELL'UNIVERSITÀ DI MESSINA, Messina, 2010

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31)-Polarization-sensitive Tip Enhanced Raman Scattering

P. G. Gucciardi; F. Bonaccorso; M. Lopes; D. Barchiesi; R. D turche; M. Lamy de la Chapelle; A. Merlen; J. – C. Valmalette; G. Picardi; A. Frigout; R. Ossikovski
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32)-Plasmon enhanced optical trapping of metal nanoparticles: scaling laws and light-driven rotations

O.M. Marag ; R. Saija; F. Borghese; P. Denti; M.A. Iat ; P.H. Jones; P.G. Gucciardi
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33)-Plasmon enhanced optical trapping in the T-matrix formalism

R. Saija; F. Borghese; P. Denti; P.G. Gucciardi; M.A. Iat ; O.M. Marag 
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34)-Optical trapping of porous silicon nanoparticles

Maria G. Donato; Marco A. Monaca; Giuliana Faggio; Pietro G. Gucciardi; Domenico Alfieri; Silvia Milana; Pietro Tripodi; Luca De Stefano; Onofrio M. Marag 
PRIMO WORKSHOP DEL GRUPPO BIOSENSORI OTTICI E BIOFOTONICA, Sesto Fiorentino, 2010

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35)-SUB-SURFACE FLUORESCENCE IMAGING OF CYCLODEXTRIN-PORPHYRIN VESICLES BY APERTURE SCANNING NEAR-FIELD OPTICAL MICROSCOPY

F. Bonaccorso; A. Mazzaglia; L. Monsù Scolaro; A. Valerio; A. Rencurosi; L. Lay; U. Giorgianni; N. Micali; V. Villari; C. D'Andrea; B. Fazio; O. M. Maragò; P. G. Gucciardi
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36)-Room Temperature Luminescence from Si Nanowires

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37)-Extinction by stratified interstellar dust grains

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43)-FRAGILITY AND ANHARMONICITY IN INTERPENETRATING POLYMER NETWORKS

A. Bartolotta; G. Carini; G. D'Angelo, A. Fainleib

Thermostable Polycyanurates: Synthesis, Modification, Structure and Properties, pp. 143–159, 2010

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44)-LOCAL and COOPERATIVE Molecular Mobility in semi- and full- Interpenetrating Polymer Networks of Poplycyanurate and Polyurethanes

- A. Bartolotta; G. Di Marco; G. Tripodo; A. Fainleib

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45)-PANNELLI SOLARI FOTOVOLTAICI DI TERZA GENERAZIONE CON SENSIBILIZZATORI NATURALI E IBRIDO-ORGANICI al Festival dell'energia spiegata Lecce 20-23 Maggio 2010

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46)-Report on the IR and Raman fingerprints of different proteins targeted by the Nanoantenna project (D1.1 FP7 EU Project - Nanoantenna)

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48)-Thin-Film Photovoltaics

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49)-An Advanced Numerical Method to Describe Order Dynamics in Nematics

A Amoddeo; G. Lombardo; R. Barberi

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50)-Optical and Structural Properties of a Hybrid Organic-Inorganic Ternary Nanocomposite

Mazzaglia A; Villari V; Castriciano MA; De Luca G; Romeo A; Monsù Scolaro L; Micali N
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51)-Assorbitore di calore da radiazione solare per motore Stirling

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52)-La fusione anomala degli elementi chimici ad alta pressione

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53)-Anomalous phase behavior in a model fluid with a single repulsive length scale

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