

Peer-reviewed journal articles

1)-Surface-enhanced Raman scattering of SnO₂ bulk material and colloidal solutions

E. Fazio; F. Neri; S. Savasta; S. Spadaro S. Trusso

Physical review. B, Condensed matter and materials physics (Online) 85 (2012): 195423-1–195423-7.

<https://dx.doi.org/10.1103/PhysRevB.85.195423>

2)-Critical Slowing Down Exponents of Mode Coupling Theory

Caltagirone F.; Ferrari U.; Leuzzi L.; Parisi G.; Ricci-Tersenghi F.; Rizzo T.subjectSPIN-GLASS MODEL; FINITE-SIZE CORRECTIONS; MEAN-FIELD THEORY; METASTABLE STATES; POTTS GLASS; ORDER PARAMETERS; DYNAMICS; TRANSITION; PHASE; RELAXATION

Physical review letters 108 (2012): 085702.

<https://dx.doi.org/10.1103/PhysRevLett.108.085702>

3)-Sectionally analytic solutions of the Vlasov-Poisson equations

NOCERA L; PALUMBO L Jsubjectplasma: kinetic equationssubjectSolitonssubjectBGK modessubjectIntegral equations of the convolution typesubjectElectrostatic and high-frequency confinement

Journal of physics. A, Mathematical and theoretical (Print) 45 (2012): 105501-1–105501-12.

<https://dx.doi.org/10.1088/1751-8113/45/10/105501>

4)-Comparative study about preparation of poly(lactide)/Organophilic montmorillonites nanocomposites through melt blending or ring opening polymerization methods

Castiello S.; Coltelli M.B.; Conzatti L.; Bronco S.subjectnanocompositessubjectPLAsubjectmontmorillonite

Journal of applied polymer science (Print) 125 (2012): E413–E428.

<https://dx.doi.org/10.1002/app.36313>

5)-Structural and spectroscopic features of lutein/butanoyl-beta-cyclodextrin nanoassemblies

Stancanelli, R; Lojkner, LD; Larsen, KL; Guardo, M; Cannava, C; Tommasini, S; Ventura, CA; Calabro, ML; Micali, N; Villari, V; Mazzaglia, A

Journal of pharmaceutical and biomedical analysis (Print) 71 (2012): 214–218.

<https://dx.doi.org/10.1016/j.jpba.2012.07.034>

6)-Scattering enhancement in colloidal metal-organic composite aggregates

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

Colloids and surfaces. A, Physicochemical and engineering aspects (Print) 413 (2012): 13–16.

<https://dx.doi.org/10.1016/j.colsurfa.2012.03.009>

7)-Reading of Protein Surfaces in the Native State at Micromolar Concentrations by a Chirogenetic Porphyrin Probe

Mineo, P; Micali, N; Villari, V; Donato, MG; Scamporrino, E

Chemistry (Weinh., Print) 18 (2012): 12452–12457.

<https://dx.doi.org/10.1002/chem.201200784>

8)-Modulated heterodyne light scattering set-up for measuring long relaxation time at small and wide angle

Leone, N; Villari, V; Micali, N

Review of scientific instruments 83 (2012): 083102.

<https://dx.doi.org/10.1063/1.4739775>

9)-Self-Assembled Calixarene Derivative as a Supramolecular Polymer

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

The journal of physical chemistry. B 116 (2012): 5537–5541.

<https://dx.doi.org/10.1021/jp300848n>

10)-Amino acids recognition by water-soluble uncharged porphyrin tweezers: Spectroscopic evidences in high optical density solutions

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

Chemical physics (Print) 402 (2012): 118–123.

<https://dx.doi.org/10.1016/j.chemphys.2012.04.018>

11)-Water-soluble star polymers with a phthalocyanine as the core and poly(ethylene glycol) chains as branches

Mineo, P; Alicata, R; Micali, N; Villari, V; Scamporrino, E

Journal of applied polymer science (Print) 126 (2012): 1359–1368.

<https://dx.doi.org/10.1002/app.36631>

12)-Selection of supramolecular chirality by application of rotational and magnetic forces

Micali, N; Engelkamp, H; van Rhee, PG; Christianen, PCM; Scolaro, LM; Maan, JC

Nature chemistry (Print) 4 (2012): 201–207.

<https://dx.doi.org/10.1038/NCHEM.1264>

13)-Kinetic effects of tartaric acid on the growth of chiral J-aggregates of tetrakis(4-sulfonatophenyl)porphyrin

Castriciano, MA; Romeo, A; Zagami, R; Micali, N; Scolaro, LM

Chemical communications (Lond., 1996, Print) 48 (2012): 4872–4874.

<https://dx.doi.org/10.1039/c2cc00028h>

14)-Role of the hydrogen-bond in porphyrin J-aggregates

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

RSC advances 2 (2012): 12989–12998.

<https://dx.doi.org/10.1039/c2ra22260d>

15)-Effects of the intercalation time on the dielectric properties of Na₂xMn₁xPS₃

L. Silipigni; L. Schiro` ; L. Monsu` Scolaro; G. De Luca; G. Salvato
subjectLayered compoundssubjectIntercalation reactionssubjectImpedance spectroscopysubjectDielectric properties

Materials research bulletin 47 (2012): 2498-2505.

<http://dx.doi.org/10.1016/j.materresbull.2012.05.007>

info:cnr-pdr/source/autori:L. Silipigni, L. Schiro`, L. Monsu` Scolaro, G. De Luca, G. Salvato/titolo:Effects of the intercalation time on the dielectric properties of Na₂xMn₁xPS₃/

16)-New basis sets for the evaluation of the CO-Ne van der Waals complex interaction induced electric dipole moment and polarizability surfaces

Baranowska-Laczowska, A; Fernandez, B; Rizzo, A; Jansik, B
subjectCO-Ne van der Waals complexsubjectbasis sets for interaction induced propertiessubjectelectric dipole moment and polarizabilitysubjectsecond virial dielectric and refractivity coefficients

Molecular physics (Online) 110 (2012): 2503–2512.

<https://dx.doi.org/10.1080/00268976.2012.702933>

17)-Interfacial and Annealing Effects on Primary alpha-Relaxation of Ultrathin Polymer Films Investigated at Nanoscale

H.K. Nguyen; M. Labardi; S. Capaccioli; M. Lucchesi; P.A. Rolla; D. Prevosto

Macromolecules (Online) 45 (2012): 2138.

<http://www.cnr.it/prodotto/i/192131>

info:cnr-pdr/source/autori:H.K. Nguyen, M. Labardi, S. Capaccioli, M. Lucchesi, P.A. Rolla, D. Prevosto/titolo:Interfacial and Annealing Effects on Primary alpha-Relaxation of Ultrathin Polymer Films Investigated at Nanoscale/

18)-The effect of the pi-electron delocalization curvature on the two-photon circular dichroism of molecules with axial chirality

Diaz, C; Lin, N; Toro, C; Passier, R; Rizzo, A; Hernandez, F
subjectcircular polarizationsubjectmolecular currentssubjectmagnetic transition dipole momentsubjectbiaryl derivativessubjectnonlinear rotatory strength

The journal of physical chemistry letters 3 (2012): 1808–1813.

<https://dx.doi.org/10.1021/jz300577e>

19)-First-order properties and Buckingham birefringence of N₂O and OCS - A computational (re)investigation

Coriani, S; Puzzarini, C; Rizzo, A
subjectfirst-order propertiessubjectdipole momentssubjectquadrupole momentssubjectelectric-field-gradient birefringence

Molecular physics (Online) 110 (2012): 2543–2555.

<https://dx.doi.org/10.1080/00268976.2012.709284>

20)-EPR discrimination of microcrystalline calcite geomaterials

Di Benedetto F; Buccianti A; Montegrossi G; Innocenti M; Massa CA; Pardi L; Romanelli M
subjectEPRsubjectcalcitesubjectgeochemistrysubjectgeomaterialssubjectmanganese

The American mineralogist 97 (2012): 1619–1626.

<https://dx.doi.org/10.2138/am.2012.4168>

21)-Phase composition of CuxS thin films: spectroscopic evidence of covellite formation

Bencista I. [1]; Di Benedetto F. [1]; Innocenti M. [1,2]; De Luca A. [1]; Fornaciai G. [1]; Lavacchi A. [2]; Montegrossi G. [3]; Oberhauser W. [2]; Pardi L. [4]; Romanelli M. [1]; Vizza F. [2]; Foresti M.L [1]subjectCuSsubjectXPSsubjectAFMsubjectcovellitesubjectthin film

European journal of mineralogy (Print) 24 (2012): 879–884.

<https://dx.doi.org/10.1127/0935-1221/2012/0024-2229>

22)-ESEEM of industrial quartz powders: insights into crystal chemistry of Al defects

Romanelli M; Di Benedetto F; Bartali L; Innocenti M; Fornaciai G; Montegrossi G; Pardi L; Zoleo A; Capacci FsubjectQuartz; Hole centres; Al centres; EPR; ESEEM; Health effects

Physics and chemistry of minerals 39 (2012): 479–490.

<https://dx.doi.org/10.1007/s00269-012-0502-3>

23)-Dynamical Line-Shifts in High-Field Electron Spin Resonance: Applications to Polymer Physics

Vasile Bercu; Massimo Martinelli; Luca Pardi; Carlo Andrea Massa; Dino Leporini

Zeitschrift für physikalische Chemie (Münch., 1991) 226 (2012): 1379–1394.

<https://dx.doi.org/10.1524/zpch.2012.0283>

24)-Amorphous/Crystal and Polymer/Filler Interphases in Biocomposites from Poly(butylene succinate)

Signori F.; Pelagaggi M.; Bronco S.; Righetti M.C.

Thermochimica Acta 543 (2012): 74–81.

<https://dx.doi.org/10.1016/j.tca.2012.05.006>

25)-The role of the rigid amorphous fraction on cold crystallization of poly(3-hydroxybutyrate)

Di Lorenzo M.L.; Gazzano M.; Righetti M.C.

Macromolecules (Online) 45 (2012): 5684–5691.

<https://dx.doi.org/10.1021/ma3010907l>

26)-Nonlinear determination of the equilibrium melting temperature from initial nonreorganized crystals of poly(3-hydroxybutyrate)

Righetti M.C.; Di Lorenzo M.L.

Polymer engineering and science (Online) 52 (2012): 2383–2390.

<https://dx.doi.org/10.1002/pen.23199>

27)-Isothermal Cold-Crystallization of PLA/PBAT Blends With and Without the Addition of Acetyl Tributyl Citrate

1. Enic Quero¹, Alejandro J. Müller², Francesca Signori³, Maria-Beatrice Coltelli⁴, Simona Bronco⁵
subjectRenewable materials
subjectblend
subjectcrystallizations
subjectplasticizer
Macromolecular chemistry and physics (Internet) 213 (2012): 36–48.

<https://dx.doi.org/10.1002/macp.201100437>

28)-Isothermal Cold-Crystallization of PLA/PBAT Blends With and Without the Addition of Acetyl Tributyl Citrate

Enic Quero; Alejandro J. Müller; Francesca Signori; Maria-Beatrice Coltelli; Simona Bronco
subjectRenewable materials
subjectblend
subjectcrystallizations
subjectplasticizer
Macromolecular chemistry and physics (Internet) 213 (2012): 36–48.

<https://dx.doi.org/10.1002/macp.201100437>

29)-Preparation of gelatin/polyoxypropylene grafted copolymers by isocyanate promoted "grafting onto" reaction

Monica Bertoldo; Federica Cognigni; Simona Bronco
subjectGelatin
subjectGrafting onto
subjectPolyoxypropylene
Polymer (Guildford) 53 (2012): 4595–4603.

<https://dx.doi.org/10.1016/j.polymer.2012.08.023>

30)-Supramolecular Chiral Structures: Smart Polymer Organization Guided by 2D Polarization Light Patterns

Ruiz U.; Pagliusi P.; Provenzano C.; Shibaev V.P.; Cipparrone G.
Advanced functional materials (Print) 22 (2012): 2964.

<https://dx.doi.org/10.1002/adfm.201200389>

31)-Pure two-dimensional polarization patterns for holographic recording

Ruiz, Ulises; Provenzano, Clementina; Pagliusi, Pasquale; Cipparrone, G.
Optics letters 37 (2012): 311.

<http://www.cnr.it/prodotto/i/192349>

info:cnr-pdr/source/autori:Ruiz, Ulises; Provenzano, Clementina; Pagliusi, Pasquale; Cipparrone, G./titolo:Pure two-dimensional polarization patterns for holographic recording/

32)-Preparation and Properties of PTFE-PMMA Core-Shell Nanoparticles and Nanocomposites

Antonoli D.; Laus M.; Zuccheri G.; Kapeliouchko V.; Righetti M.C.; Boarino L.; Sparnacci K.
Journal of Nanotechnology (Online) 2012 (2012): 875815.

<https://dx.doi.org/10.1155/2012/875815>

- 33)-Generation of complex beams by means of polarization holograms**
Ruiz; U.; Volke-Sepúlveda; K.; Provenzano; C.; Pagliusi; P.; Cipparrone; G.
Proceedings of SPIE, the International Society for Optical Engineering 8429 (2012): 84290N.
<https://dx.doi.org/10.1117/12.922011>
- 34)-Optical Manipulation of Liquid Crystal Droplets Through Holographic Polarized Tweezers: Magnus Effect**
Hernández; J.; Provenzano; C.; Pagliusi; P.; Cipparrone; G.
Molecular crystals and liquid crystals (Phila. Pa. : 2003) 558 (2012): 72.
<https://dx.doi.org/10.1080/15421406.2011.653712>
- 35)-Liquid Crystal Based Polarization Gratings for Spectro-Polarimetric Applications**
Lepera; E.; Provenzano; C.; Pagliusi; P.; Cipparrone; G.
Molecular crystals and liquid crystals (Phila. Pa. : 2003) 558 (2012): 109.
<https://dx.doi.org/10.1080/15421406.2011.653716>
- 36)-Note: A versatile, stable, high-resolution readout system for RTD and thermistor sensors**
Ambrosetti R.; Matteoli E.; Ricci D.
Review of scientific instruments 83 (2012): 096101.
<https://dx.doi.org/10.1063/1.4750142>
- 37)-Influence of the composition of aqueous dimethylsulfoxide solvent on thermodynamics of complexing between 18-crown-6-ether and D,L-alanine**
Usachevaa T.R.; Kuzminaa I.A.; Sharnina V.A.; Chernova I.V.; Matteoli E.
Russian journal of physical chemistry 86 (2012): 1064–1067.
<https://dx.doi.org/10.1134/S003602441207031X>
- 38)-Excess enthalpies of mixtures of mono-carboxylic acid with dibutylether**
Marongiu B.; Porcedda S.; Falconieri D.; Piras A.; Matteoli E.; Lepori L.
Journal of thermal analysis and calorimetry (Online) 108 (2012): 777–782.
<https://dx.doi.org/10.1007/s10973-011-2034-3>
- 39)-Thermodynamic characteristics of alanine-18-crown-6 ether complexes in binary water-acetone solvents**
Usachevaa T.R.; Kuz'minaa I.A.; Sharnina V.A.; Chernova I.V.; Matteoli E.
Russian journal of physical chemistry 86 (2012): 36–39.
<https://dx.doi.org/10.1134/S003602441112034X>
- 40)-Bioactive glass/polymer composite scaffolds mimicking bone tissue**
Piergiorgio Gentile; Monica Mattioli-Belmonte; Valeria Chiono; Concetta Ferretti; Francesco Baino; Chiara Tonda-Turo; Chiara Vitale-Brovarone; Iva Pashkuleva; Rui L. Reis; Gianluca Ciardellisubjectbioactive glass; chitosan; composite; gelatin; periosteal precursor cells

Journal of biomedical materials research. Part A (Online) 100A (2012): 2654–2667.
<https://dx.doi.org/10.1002/jbm.a.34205>

41)-Electro-switchable polydimethylsiloxane-based optofluidics

De Sio, L; Romito, M; Giocondo, M; Vasdekis, AE; De Luca, A; Umeton, C
Lab on a chip (Print) 12 (2012): 3760.
<https://dx.doi.org/10.1039/c2lc40668c>

42)-Gain functionalized core-shell nanoparticles: the way to selectively compensate absorptive losses

De Luca, A; Ferrie, M; Ravaine, S; La Deda, M; Infusino, M; Rashed, AR; Veltri, A; Aradian, A; Scaramuzza, N; Strangi, G
Journal of materials chemistry (Print) 22 (2012): 8846.
<https://dx.doi.org/10.1039/c2jm30341h>

43)-Periodic and aperiodic liquid crystal-polymer composite structures realized via spatial light modulator direct holography

Infusino; M.; De Luca; A.; Barna; V.; Caputo; R.; Umeton; C.
Optics express 20 (2012): 23138.
<http://www.cnr.it/prodotto/i/192503>

info:cnr-pdr/source/autori:Infusino, M., De Luca, A., Barna, V., Caputo, R., Umeton, C./titolo:Periodic and aperiodic liquid crystal-polymer composite structures realized via spatial light modulator direct holography/

44)-Soft-matter structures: From switchable diffraction gratings to active plasmonics

De Sio; L.; Veltri; A.; Caputo; R.; De Luca; A.; Strangi; G.; Bartolino; R.; Umeton; C.P.
La Rivista del nuovo cimento della Società italiana di fisica (Testo stamp.) 35 (2012): 575.
<https://dx.doi.org/10.1393/ncr/i2012-10082-9>

45)-AFM Studies on Curcumin Based Zn(II) Complex Molecules for Applications as Anticancer Agents

Tone, CM; Pirillo S; Pucci D; De Santo MP; Barberi RC; Ciuchi, F
Molecular crystals and liquid crystals (Phila. Pa. : 2003) 558 (2012): 194–203.
<https://dx.doi.org/10.1080/15421406.2011.654188>

46)-Light propagation, discrete diffraction, discrete solitons and discrete beats in periodic and non-periodic POLICRYPS structures

Pezzi; L.; De Luca; A.; Veltri; A.; Umeton; C.
Nonlinear optics, quantum optics 43 (2012): 269.
<http://www.cnr.it/prodotto/i/192511>

info:cnr-pdr/source/autori:Pezzi, L., De Luca, A., Veltri, A., Umeton, C./titolo:Light propagation, discrete diffraction, discrete solitons and discrete beats in periodic and non-periodic POLICRYPS structures/

47)-Dielectric Characterisation of an Orthoconic Antiferroelectric Liquid Crystal Mixture

Marino L; Bruno E; De Santo MP; Ciuchi F; Marino S; Scaramuzza, N
Molecular crystals and liquid crystals (Phila. Pa. : 2003) 558 (2012): 120–126.
<https://dx.doi.org/10.1080/15421406.2011.653717>

48)-Dynamical homeotropic and planar alignments of chromonic liquid crystals

Tone CM; De Santo MP; Buonomenna MG; Golemme G, Ciuchi F
Soft matter (Print) 8 (2012): 8478–8482.
<https://dx.doi.org/10.1039/c2sm26021b>

49)-General Purpose Soft Template for Photonic Applications: From All-Optical to Electrical Reconfigurability

De Sio, L; Ferjani, S; Strangi, G; Umeton, C; Bartolino, R
Molecular crystals and liquid crystals (Phila. Pa. : 2003) 553 (2012): 147.
<https://dx.doi.org/10.1080/15421406.2011.609459>

50)-Fractional Diffusion Equation and the Electrical Impedance: Experimental Evidence in Liquid-Crystalline Cells

Ciuchi F; Mazzulla A; Scaramuzza N; Lenzi EK; Evangelista LR
Journal of physical chemistry. C 116 (2012): 8773–8777.
<https://dx.doi.org/10.1021/jp211097m>

51)-Light Sensitive Liquid Crystals for All-Optical Photonic Devices

De Sio, L; Tedesco, A; Serak, S; Tabiryan, N; Umeton, C
Molecular crystals and liquid crystals (Phila. Pa. : 2003) 560 (2012): 143.
<https://dx.doi.org/10.1080/15421406.2012.663194>

52)-Nanostructured Poly(styrene-b-butadiene-b-styrene) (SBS) Membranes for the Separation of Nitrogen from Natural Gas

Buonomenna MG; Golemme G; Tone CM; De Santo MP; Ciuchi F; Perrotta, E
Advanced functional materials (Print) 22 (2012): 1759–1767.
<https://dx.doi.org/10.1002/adfm.201101904>

53)-Plasmon Resonance Tunability of Gold Nanoparticles Embedded in a Confined Cholesteric Liquid Crystal Host

Caputo, R.; De Sio, L.; Cataldi, U.; Umeton, C
Molecular crystals and liquid crystals (Phila. Pa. : 2003) 559 (2012): 194.
<https://dx.doi.org/10.1080/15421406.2012.658709>

54)-Fabrication and Characterization of Stretchable PDMS Structures Doped With Au Nanoparticles

Cataldi, U.; Cerminara, P.; De Sio, L.; Caputo, R; Umeton, CP

Molecular crystals and liquid crystals (Phila. Pa. : 2003) 558 (2012): 22.

<https://dx.doi.org/10.1080/15421406.2011.653675>

55)-Electrically Controlled 1D and 2D Cholesteric Liquid Crystal Gratings

Hamdi R; Petriashvili G; De Santo MP; Lombardo G; Barberi, R

Molecular crystals and liquid crystals (Phila. Pa. : 2003) 553 (2012): 97–102.

<https://dx.doi.org/10.1080/15421406.2011.609436>

56)-Molecular Orientation of E7 Liquid Crystal in POLICRYPS Holographic Gratings: A Micro-Raman Spectroscopic Analysis

Fasanella, Angela; Castriota, Marco; Cazzanelli, Enzo; De Sio, L; Caputo, R; Umeton, C

Molecular crystals and liquid crystals (Phila. Pa. : 2003) 558 (2012): 46.

<https://dx.doi.org/10.1080/15421406.2011.653678>

57)-Biomechanics of the Anterior Human Corneal Tissue Investigated with Atomic Force Microscopy

Lombardo M; Lombardo G; Carbone G; De Santo MP; Barberi R; Serrao, SsubjectCornea BiomechanicssubjectAFMsubjectindentationssubjectvisco-elastic response

Investigative ophthalmology & visual science 53 (2012): 1050–1057.

<https://dx.doi.org/10.1167/iovs.11-8720>

58)-All-Optical and Thermal Tuning of a Bragg Grating Based on Photosensitive Composite Structures Containing Liquid Crystals

Gilardi, G.; Asquini, R.; d'Alessandro,; Beccherelli, R; De Sio, L; Umeton, C

Molecular crystals and liquid crystals (Phila. Pa. : 2003) 558 (2012): 64.

<https://dx.doi.org/10.1080/15421406.2011.653680>

59)-and Characterization of POLICRYPS-like Structures Including Metallic Subentities

Caputo, R.; De Sio, L.; Dintinger, J.; Sellame, H; Scharf, T; Umeton, CP

Molecular crystals and liquid crystals (Phila. Pa. : 2003) 553 (2012): 111.

<https://dx.doi.org/10.1080/15421406.2011.609445>

60)-Non-Debye relaxation in the dielectric response of nematic liquid crystals: Surface and memory effects in the adsorption-desorption process of ionic impurities

J. L. de Paula; P. A. Santoro; R. S. Zola; E. K. Lenzi; L. R. Evangelista; F. Ciuchi; A. Mazzulla; N. Scaramuzza

Physical review. E, Statistical, nonlinear, and soft matter physics (Print) 86 (2012): 051705.

<https://dx.doi.org/10.1103/PhysRevE.86.051705>

61)-Photo-sensitive liquid crystals for optically controlled diffraction gratings

De Sio, Luciano; Ricciardi, Loredana; Serak, Svetlana; La Deda, M; Tabiryan, N; Umeton, C
Journal of materials chemistry (Print) 22 (2012): 6669.

<https://dx.doi.org/10.1039/c2jm16077c>

62)-Biaxial surface order dynamics in calamitic nematics

Lombardo G; Amoddeo, A; Hamdi R, Ayeb H; Barberi, R
The European physical journal. E, Soft matter (Print) 35 (2012).

<https://dx.doi.org/10.1140/epje/i2012-12032-y>

63)-Thermal and electrical laser tuning in liquid crystal blue phase I

Mazzulla A; Petriashvili G; Matranga M; De Santo MP; Barberi R
Soft matter (Print) 8 (2012): 4882.

<https://dx.doi.org/10.1039/C2SM25197C>

64)-Femtosecond laser photodisruptive effects on the posterior human corneal stroma investigated with atomic force microscopy

Serrao S; Lombardo M; De Santo MP; Lombardo G; Lomoriello DS, Ducoli P; Stirpe, M
European Journal of Ophthalmology (Testo stamp.) 22 (2012).

<https://dx.doi.org/10.5301/ejo.5000113>

65)-Surface and bulk contributions to nematic order reconstruction

Amoddeo A; Barberi R; Lombardo G
Physical review. E, Statistical, nonlinear, and soft matter physics (Print) 85 (2012).

<https://dx.doi.org/10.1103/PhysRevE.85.061705>

66)-Variations in image optical quality of the eye and the sampling limit of resolution of the cone mosaic with axial length in young adults

Lombardo M; Serrao S; Ducoli P; Lombardo G
subjectottica
adattivasubjectretinasubjectconessubjectmetric

Journal of cataract and refractive surgery 38 (2012): 1147–1155.

<https://dx.doi.org/10.1016/j.jcrs.2012.02.033>

67)-Histological validation of near-infrared reflectance multispectral imaging technique for caries detection and quantification

Salsoni S; Taylor A; Gomez J; Pretty I; Ellwood R; Dickinson M; Lombardo G; Zakian, C
Journal of biomedical optics 17 (2012).

<https://dx.doi.org/10.1117/1.JBO.17.7.076009>

68)-Optimal parameters to improve the interface quality of the flap bed in femtosecond laser-assisted laser in situ keratomileusis

Serrao S; Buratto L; Lombardo G; De Santo MP; Ducoli P; Lombardo, M
Journal of cataract and refractive surgery 38 (2012).
<https://dx.doi.org/10.1016/j.jcrs.2012.05.021>

69)-Insight into the supramolecular organization of columnar assemblies with phototunable chirality

Vera F; Serrano JL; De Santo MP; Barberi R; Ros MB; Sierra, T
Journal of materials chemistry (Print) 22 (2012).
<https://dx.doi.org/10.1039/c2jm33331g>

70)-ON THE OCCURRENCE OF THE THIRD-ORDER SCALING IN HIGH LATITUDE SOLAR WIND

Marino R.; Sorriso-Valvo L; D'Amicis R.; Carbone V.; Bruno R.; Veltri P.
The Astrophysical journal 750 (2012).
<https://dx.doi.org/10.1088/0004-637X/750/1/41>

71)-EIDOSCOPE: particle acceleration at plasma boundaries

Vaivads A.; Andersson G., Bale, S.D. , Cully C.M., De Keyser J., Fujimoto M., Grahn S., Haaland S., Ji H., Khotyaintsev Y.V., Lazarian A., Lavraud B., Mann I.R., Nakamura R., Nakamura T.K.M., Narita Y., Retinò A., Sahraoui F., Schekochihin A., Schwartz S.J., Shinohara I., Sorriso-Valvo L
Experimental astronomy (Print) 33 (2012): 491–527.
<https://dx.doi.org/10.1007/s10686-011-9233-6>

72)-Direct Nanomechanical Measurement of an Anchoring Transition in a Nematic Liquid Crystal Subject to Hybrid Anchoring Conditions

Ruths M; Zappone B
Langmuir 28 (2012).
<https://dx.doi.org/10.1021/la204746d>

73)-Linear Self-Assembly of Nanoparticles Within Liquid Crystal Defect Arrays

Coursault D; Grand J; Zappone B; Ayeb H; Levi G; Felidj N; Lacaze, E
Advanced materials (Weinh., Print) 24 (2012).
<https://dx.doi.org/10.1002/adma.201103791>

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Saglimbeni, F (1,4); Bianchi, S (1); Bolognesi, G (2); Paradossi, G (3); Di Leonardo, R (1,4)

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127)-Partial Synchronization of Stochastic Oscillators through Hydrodynamic Coupling

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128)-Hydrodynamic Synchronization of Light Driven Microrotors

Di Leonardo, R (1); Buzas, A (2); Kelemen, L (2); Vizsnyiczai, G (2); Oroszi, L (2); Ormos, P (2)

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129)-Measurement of the Four-Point Susceptibility of an Out-of-Equilibrium Colloidal Solution of Nanoparticles Using Time-Resolved Light Scattering

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131)-Two-step relaxation next to dynamic arrest in mean-field glasses: Spherical and Ising p-spin model

Ferrari, U (1,2); Leuzzi, L (1,2); Parisi, G (1,2,3); Rizzo, T (1,2)

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132)-Lattice Dynamics of Dense Lithium

Gorelli, FA (1,2); Elatresh, SF (3); Guillaume, CL (4,5); Marques, M (4,5); Ackland, GJ (4,5); Santoro, M (1,6); Bonev, SA (3,7); Gregoryanz, E (4,5)

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134)-Stabilized lattice Boltzmann-Enskog method for compressible flows and its application to one- and two-component fluids in nanochannels

Melchionna, S (1); Marconi, UMB (2,3)

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136)-Ab initio determination of coarse-grained interactions in double-stranded DNA

Hsu, CW (1); Fyta, M (1,2); Lakatos, G (1,3); Melchionna, S (3,4); Kaxiras, E (1,3)

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<http://www.cnr.it/prodotto/i/196081>

info:cnr-pdr/source/autori:Hsu, CW (1); Fyta, M (1,2); Lakatos, G (1,3); Melchionna, S (3,4); Kaxiras, E (1,3)/titolo:Ab initio determination of coarse-grained interactions in double-stranded DNA/

137)-Charge Transport in Nanochannels: A Molecular Theory

Marconi, UMB (1); Melchionna, S (2)

Langmuir 28 (2012): 13727.

<http://www.cnr.it/prodotto/i/196083>

info:cnr-pdr/source/autori:Marconi, UMB (1); Melchionna, S (2)/titolo:Charge Transport in Nanochannels: A Molecular Theory/

138)-Early stage mineralization in tissue engineering mapped by high resolution X-ray microdiffraction

Campi, G (2); Ricci, A (2,3); Guagliardi, A (1); Giannini, C (1); Lagomarsino, S (4); Cancedda, R (5,6); Mastrogiacomo, M (5,6); Cedola, A (7)

Acta biomaterialia 8 (2012): 3411.

<http://www.cnr.it/prodotto/i/196085>

info:cnr-pdr/source/autori:Campi, G (2); Ricci, A (2,3); Guagliardi, A (1); Giannini, C (1); Lagomarsino, S (4); Cancedda, R (5,6); Mastrogiacomo, M (5,6); Cedola, A (7)/titolo:Early stage mineralization in tissue engineering mapped by high resolution X-ray microdiffraction/

139)-Angular distribution of field emitted electrons from vertically aligned carbon nanotube arrays

Iacobucci, S (1); Fratini, M (1); Rizzo, A; Scarinci, F (1); Zhang, Y (2); Mann, M (2); Li, C (2,3); Milne, WI (2,4); El Gomati, MM (5); Lagomarsino, S (6); Stefani, G

Applied physics letters 100 (2012): 053116.

<http://www.cnr.it/prodotto/i/196087>

info:cnr-pdr/source/autori:Iacobucci, S (1); Fratini, M (1); Rizzo, A ; Scarinci, F (1); Zhang, Y (2); Mann, M (2); Li, C (2,3); Milne, WI (2,4); El Gomati, MM (5); Lagomarsino, S (6); Stefani, G/titolo:Angular distribution of field emitted electrons from vertically aligned carbon nanotube arrays/

140)-The Bethe approximation for solving the inverse Ising problem: a comparison with other inference methods

Ricci-Tersenghi; F (1; 2)

Journal of statistical mechanics (2012).

<http://www.cnr.it/prodotto/i/196185>

info:cnr-pdr/source/autori:Ricci-Tersenghi, F (1,2)/titolo:The Bethe approximation for solving the inverse Ising problem: a comparison with other inference methods/

141)-Reconfigurable computing for Monte Carlo simulations: Results and prospects of the Janus project

M. Baity-Jesi^{1, 2}; R.A. Baños^{3, 2}; A. Cruz^{3, 2}; L.A. Fernandez^{1, 2}; J.M. Gil-Narvion²; A. Gordillo-Guerrero^{4, 2}; M. Guidetti²; D. Iñiguez^{5, 2}; A. Maiorano^{6, 2}; F. Mantovani^{7, a}; E. Marinari⁸; V. Martin-Mayor^{1, 2}; J. Monforte-Garcia^{3, 2}; A. Muñoz Sudupe¹; D. Navarro⁹; G. Parisi⁸; M. Pivanti⁶; S. Perez-Gaviro²; F. Ricci-Tersenghi⁸; J.J. Ruiz-Lorenzo^{10, 2}; S.F. Schifano¹¹; B. Seoane^{1, 2}; A. Tarancon^{3, 2}; P. Tellez³; R. Tripicciono⁷; D. Yllanes^{6, 2}
The European physical journal. Special topics 210 (2012): 33.

<http://www.cnr.it/prodotto/i/196186>

info:cnr-pdr/source/autori:M. Baity-Jesi^{1,2}, R.A. Baños^{3,2}, A. Cruz^{3,2}, L.A. Fernandez^{1,2}, J.M. Gil-Narvion², A. Gordillo-Guerrero^{4,2}, M. Guidetti², D. Iñiguez^{5,2}, A. Maiorano^{6,2}, F. Mantovani^{7,a}, E. Marinari⁸, V. Martin-Mayor^{1,2}, J. Monforte-Garcia^{3,2}, A. Muñoz Sudupe¹, D. Navarro⁹, G. Parisi⁸, M. Pivanti⁶, S. Perez-Gaviro², F. Ricci-Tersenghi⁸, J.J. Ruiz-Lorenzo^{10,2}, S.F. Schifano¹¹, B. Seoane^{1,2}, A. Tarancon^{3,2}, P. Tellez³, R. Tripicciono⁷, and D. Yllanes^{6,2}/titolo:Reconfigurable computing for Monte Carlo simulations: Results and prospects of the Janus project/

142)-A numerical study of the overlap probability distribution and its sample-to-sample fluctuations in a mean-field model

Parisi, G; Ricci-Tersenghi, F

Philosophical magazine (2003, Print) 92 (2012): 341.

<http://www.cnr.it/prodotto/i/196187>

info:cnr-pdr/source/autori:Parisi, G; Ricci-Tersenghi, F/titolo:A numerical study of the overlap probability distribution and its sample-to-sample fluctuations in a mean-field model/

143)-Thermodynamic glass transition in a spin glass without time-reversal symmetry

Banos, RA (Alvarez Banos, Raquel)3,4; Cruz, A (Cruz, Andres)3,4; Fernandez, LA (Antonio Fernandez, Luis)3,5; Gil-Narvion, JM (Miguel Gil-Narvion, Jose)3; Gordillo-Guerrero, A (Gordillo-Guerrero, Antonio)3,6; Guidetti, M (Guidetti, Marco)3; Iniguez, D (Iniguez, David)3,7; Maiorano, A (Maiorano, Andrea)1,2,3; Marinari, E (Marinari, Enzo)1,2; Martin-Mayor, V (Martin-Mayor, Victor)3,5; Monforte-Garcia, J (Monforte-Garcia, Jorge)3,4; Sudupe, AM (Munoz Sudupe, Antonio)5; Navarro, D (Navarro, Denis)8; Parisi, G (Parisi, Giorgio)1,2; Perez-Gaviro, S (Perez-Gaviro, Sergio)3; Ruiz-Lorenzo, JJ (Jesus Ruiz-Lorenzo, Juan)3,9; Schifano, SF (Fabio Schifano, Sebastiano)10,11; Seoane, B (Seoane, Beatriz)3,5; Tarancon, A (Tarancon, Alfonso)3,4; Tellez, P (Tellez, Pedro)4; Tripiccione, R (Tripiccione, Raffaele)10,11; Yllanes, D (Yllanes, David)3,5

Proceedings of the National Academy of Sciences of the United States of America 109 (2012): 6452.

<http://www.cnr.it/prodotto/i/196191>

info:cnr-pdr/source/autori:Banos, RA (Alvarez Banos, Raquel)3,4; Cruz, A (Cruz, Andres)3,4; Fernandez, LA (Antonio Fernandez, Luis)3,5; Gil-Narvion, JM (Miguel Gil-Narvion, Jose)3; Gordillo-Guerrero, A (Gordillo-Guerrero, Antonio)3,6; Guidetti, M (Guidetti, Marco)3; Iniguez, D (Iniguez, David)3,7; Maiorano, A (Maiorano, Andrea)1,2,3; Marinari, E (Marinari, Enzo)1,2; Martin-Mayor, V (Martin-Mayor, Victor)3,5; Monforte-Garcia, J (Monforte-Garcia, Jorge)3,4; Sudupe, AM (Munoz Sudupe, Antonio)5; Navarro, D (Navarro, Denis)8; Parisi, G (Parisi, Giorgio)1,2; Perez-Gaviro, S (Perez-Gaviro, Sergio)3; Ruiz-Lorenzo, JJ (Jesus Ruiz-Lorenzo, Juan)3,9; Schifano, SF (Fabio Schifano, Sebastiano)10,11; Seoane, B (Seoane, Beatriz)3,5; Tarancon, A (Tarancon, Alfonso)3,4; Tellez, P (Tellez, Pedro)4; Tripiccione, R (Tripiccione, Raffaele)10,11; Yllanes, D (Yllanes, David)3,5/titolo:Thermodynamic glass transition in a spin glass without time-reversal symmetry/

144)-How stereochemistry affects the physicochemical features of gemini surfactant based cationic liposomes

Aleandri, S (2); Bonicelli, MG (3); Bordi, F (4,5); Casciardi, S (6); Diociaiuti, M (7); Giansanti, L (1,2); Leonelli, F (2); Mancini, G (1,2); Perrone, G (3); Sennato, S (4,5)
Soft matter (Print) 8 (2012): 5904.

<http://www.cnr.it/prodotto/i/196193>

info:cnr-pdr/source/autori:Aleandri, S (2); Bonicelli, MG (3); Bordi, F (4,5); Casciardi, S (6); Diociaiuti, M (7); Giansanti, L (1,2); Leonelli, F (2); Mancini, G (1,2); Perrone, G (3); Sennato, S (4,5)/titolo:How stereochemistry affects the physicochemical features of gemini surfactant based cationic liposomes/

145)-Aggregation and stability of polyelectrolyte-decorated liposome complexes in water-salt media

Sennato, S (1,2); Truzzolillo, D (3); Bordi, F (1,2)
Soft matter (Print) 8 (2012): 9384.

<http://www.cnr.it/prodotto/i/196194>

info:cnr-pdr/source/autori:Sennato, S (1,2); Truzzolillo, D (3); Bordi, F (1,2)/titolo:Aggregation and stability of polyelectrolyte-decorated liposome complexes in water-salt media/

146)-Double Charge Inversion in Polyethylenimine-Decorated Liposomes

Sabin, J (1); Vazquez-Vazquez, C (1,2); Prieto, G (1); Bordi, F (3,4); Sarmiento, F (1)
Langmuir 28 (2012): 10534.

<http://www.cnr.it/prodotto/i/196195>

info:cnr-pdr/source/autori:Sabin, J (1); Vazquez-Vazquez, C (1,2); Prieto, G (1); Bordi, F (3,4); Sarmiento, F (1)/titolo:Double Charge Inversion in Polyethylenimine-Decorated Liposomes/

147)-Incorporation of the bacterial reaction centre into dendrimersomes

Giustini, M (Giustini, Mauro)1,2; Bellinazzo, C (Bellinazzo, Cristina)1,2; Galantini, L (Galantini, Luciano)1,2; Mallardi, A (Mallardi, Antonia)3; Palazzo, G (Palazzo, Gerardo)4; Sennato, S (Sennato, Simona)5,6; Bordi, F (Bordi, Federico)5,6; Rissanen, K (Rissanen, Kari)7

Colloids and surfaces. A, Physicochemical and engineering aspects (Print) 413 (2012): 38.

<http://www.cnr.it/prodotto/i/196196>

info:cnr-pdr/source/autori:Giustini, M (Giustini, Mauro)1,2; Bellinazzo, C (Bellinazzo, Cristina)1,2; Galantini, L (Galantini, Luciano)1,2; Mallardi, A (Mallardi, Antonia)3; Palazzo, G (Palazzo, Gerardo)4; Sennato, S (Sennato, Simona)5,6; Bordi, F (Bordi, Federico)5,6; Rissanen, K (Rissanen, Kari)7/titolo:Incorporation of the bacterial reaction centre into dendrimersomes/

148)-Role of water in the ageing mechanism of paper

Lepore, A (1,2); Baccaro, S (3); Casieri, C (4,5); Cemmi, A (3); De Luca, F (1,2)
Open chemical physics letters 531 (2012): 206.

<http://www.cnr.it/prodotto/i/196197>

info:cnr-pdr/source/autori:Lepore, A (1,2); Baccaro, S (3); Casieri, C (4,5); Cemmi, A (3); De Luca, F (1,2)/titolo:Role of water in the ageing mechanism of paper/

149)-Radiowave dielectric investigation of water confined in channels of carbon nanotubes

Cametti, C; De Luca, F; Parmentier, A

The Journal of chemical physics 137 (2012): 094908.

<http://www.cnr.it/prodotto/i/196198>

info:cnr-pdr/source/autori:Cametti, C; De Luca, F ; Parmentier, A/titolo:Radiowave dielectric investigation of water confined in channels of carbon nanotubes/

150)-Effects of time and temperature of firing on Fe-rich ceramics studied by Mossbauer spectroscopy and two-dimensional H-1-nuclear magnetic resonance relaxometry

Casieri C.; De Luca F.; Nodari L.; Russo U.; Terenzi C.; Tudisca V.subject2D NMR
RELAXOMETRYsubjectANCIENT CERAMICSsubjectPOROUS-
MEDIAsubjectCLAYSSubjectRELAXATIONsubjectPOTTERYsubjectDIFFUSION
Journal of applied physics 112 (2012).
<https://dx.doi.org/10.1063/1.4759316>

151)-Flexibility windows and compression of monoclinic and orthorhombic silicalites

Asel Sartbaeva; Julien Haines; Olivier Cambon; Mario Santoro; Federico Gorelli; Claire Levelut; Gaston Garbarino; Stephen A. Wells
Physical review. B, Condensed matter and materials physics 85 (2012): 064109.
<http://www.cnr.it/prodotto/i/196319>

info:cnr-pdr/source/autori:Asel Sartbaeva, Julien Haines, Olivier Cambon, Mario Santoro, Federico Gorelli, Claire Levelut, Gaston Garbarino, and Stephen A. Wells/titolo:Flexibility windows and compression of monoclinic and orthorhombic silicalites/

152)-Following states in temperature in the spherical s plus p-spin glass model

Sun; YF Crisanti; A Krzakala; F Leuzzi; L Zdeborova; Lsubjectdisordered systemssubjectspin
glassessubjectslow dynamicssubjectageing
Journal of statistical mechanics (2012): P07002.
<https://dx.doi.org/10.1088/1742-5468/2012/07/P07002>

153)-Shaken Granular Lasers

Viola Folli (1,2); Andrea Puglisi (1,2); Luca Leuzzi (2,3); Claudio Conti (1,2)subjectgranular
materialssubjectmesoscopic particlesubjectshaken granular mattersubjectdisordered photonics
Physical review letters 108 (2012): 248002.
<https://dx.doi.org/10.1103/PhysRevLett.108.248002>

154)-Equalizing disordered ferroelectrics for diffraction cancellation

Parravicini; J Agranat; AJ Conti; C DelRe; E
Applied physics letters 101 (2012): 111104.
<http://www.cnr.it/prodotto/i/196413>

info:cnr-pdr/source/autori:Parravicini, J
Agranat, AJ
Conti, C
DelRe, E/titolo:Equalizing disordered ferroelectrics for diffraction cancellation/

155)-Measurement of scaling laws for shock waves in thermal nonlocal media

N. Ghofraniha (1); L. Santamaria Amato (2); V. Folli (2); S. Trillo (3); E. DelRe (4,1); C.
Conti (4,2)subjectshock wavessubjectthermal nonlinearity
Optics letters 37 (2012): 2325–2337.
<https://dx.doi.org/10.1364/OL.37.002325>

156)-Programming scale-free optics in disordered ferroelectrics

Jacopo Parravicini (1,2); Claudio Conti (1,3); Aharon J. Agranat (4); Eugenio DelRe (1,2)subjectscale-free opticssubjectdisordered ferroelectrics

Optics letters 37 (2012): 2355–2357.

<https://dx.doi.org/10.1364/OL.37.002355>

157)-New Interferometric Technique To Evaluate the Electric Charge of Gas Bubbles in Liquids

Corti, M 1,2; Bonomo, M 1; Raudino, A 3subjectAIR/WATER INTERFACESsubjectAQUEOUS-SOLUTIONSsubjectWATERsubjectFOAM

Langmuir 28 (2012): 6060–6066.

<https://dx.doi.org/10.1021/la3003542>

158)-Photon bunching in chaotic fields with uni-dimensional probability density

Degiorgio; V

Europhysics letters (Print) 98 (2012): Article Number 44007.

<https://dx.doi.org/10.1209/0295-5075/98/44007>

159)-Critical slowing down exponents in structural glasses: Random orthogonal and related models

Caltagirone, F (Caltagirone, F.)1,2; Ferrari, U (Ferrari, U.)1,2; Leuzzi, L (Leuzzi, L.)1,2; Parisi, G (Parisi, G.)1,2,3; Rizzo, T (Rizzo, T.)1,2subjectCritical DynamicssubjectGlassy SystemssubjectMode Coupling Theory

Physical review. B, Condensed matter and materials physics 86 (2012): Article Number: 064204.

<https://dx.doi.org/10.1103/PhysRevB.86.064204>

160)-A numerical study of the overlap probability distribution and its sample-to-sample fluctuations in a mean-field model

Parisi, G (Parisi, Giorgio)1; Ricci-Tersenghi, F (Ricci-Tersenghi, Federico)

Philosophical magazine (2003, Print) 92 (2012): 341–352.

<https://dx.doi.org/10.1080/14786435.2011.634843>

161)-The dynamical crossover phenomenon in bulk water, confined water and protein hydration water

Mallamace, F (Mallamace, Francesco)1,2,3; Corsaro, C (Corsaro, Carmelo)2,3,4; Baglioni, P (Baglioni, Piero)5,6; Fratini, E (Fratini, Emiliano)5,6; Chen, SH (Chen, Sow-Hsin)1subjectINELASTIC NEUTRON-SCATTERINGsubjectNUCLEAR-MAGNETIC-RESONANCESubjectSTOKES-EINSTEIN RELATIONsubjectSUPERCOOLED WATER

Journal of physics. Condensed matter (Print) 24 (2012): Article Number: 064103.

<https://dx.doi.org/10.1088/0953-8984/24/6/064103>

162)-The dynamic crossover in water does not require bulk water

Turton, DA (Turton, David A.)^{1,2,3}; Corsaro, C (Corsaro, Carmelo)⁴; Martin, DF (Martin, David F.)³; Mallamace, F (Mallamace, Francesco)⁴; Wynne, K (Wynne, Klaas)^{1,2}subjectSTOKES-EINSTEIN RELATIONsubjectPROTEIN HYDRATION WATERsubjectLOW-FREQUENCY SPECTRUM

PCCP. Physical chemistry chemical physics (Print) 14 (2012): 8067–8073.

<https://dx.doi.org/10.1039/c2cp40703e>

163)-Rejuvenation in scale-free optics and enhanced diffraction cancellation life-time

J. Parravicini (1,2); C. Conti (1,3); A. J. Agranat (4); E. DelRe (1,2)subjectBeam diffractionssubjectDipolar glasssubjectLife-timessubjectPhotorefractive nonlinearitysubjectScale-free

Optics express 20 (2012): 27382–27387.

<https://dx.doi.org/10.1364/OE.20.027382>

164)-Equalizing disordered ferroelectrics for diffraction cancellation

Jacopo Parravicini (1,2); Aharon J. Agranat (3); Claudio Conti (1,4); Eugenio DelRe (1,2)subjectSCALE-FREE OPTICSsubjectBEHAVIOR

Applied physics letters 101 (2012): 111104.

<https://dx.doi.org/10.1063/1.4751847>

165)-Shock Waves in Disordered Media

N. Ghofraniha (1); S. Gentilini (2); V. Folli (2); E. DelRe (3,1); C. Conti (3,2)subjectNONLINEAR OPTICSsubjectPULSES

Physical review letters (Print) 109 (2012): 243902.

<https://dx.doi.org/10.1103/PhysRevLett.109.243902>

166)-Shock wave far-field in ordered and disordered nonlocal media

S. Gentilini (1); N. Ghofraniha (2); E. DelRe (2,3); C. Conti (1,3)subjectDisordered mediasubjectFar fieldsubjectNonlocalsubjectThreshold power

Optics express 20 (2012): 27369–27375.

<https://dx.doi.org/10.1364/OE.20.027369>

167)-Beam Instabilities in the Scale-Free Regime

Viola Folli (1,2); Eugenio Del Re (2); Claudio Conti (1,2,3)subjectMODULATIONAL INSTABILITYsubjectOPTICAL DIFFRACTIONsubjectSOLITONSsubjectMEDIA

Physical review letters (Print) 108 (2012): 033901.

<https://dx.doi.org/10.1103/PhysRevLett.108.033901>

168)-Thermodynamic scaling of alpha-relaxation time and viscosity stems from the Johari-Goldstein beta-relaxation or the primitive relaxation of the coupling model

K. L. Ngai; J. Habasaki; D. Prevosto; S. Capaccioli; M. Paluch
subjectrelaxation
dynamicssubjectscalingsubjectsecondary relaxation
The Journal of chemical physics 137 (2012): 034511.
<https://dx.doi.org/10.1063/1.4736547>

169)-Mechanism of fast surface self-diffusion of an organic glass

S. Capaccioli; K. L. Ngai; M. Paluch; D. Prevosto
subjectsurfacesubjectglasssubjectrelaxation
Physical review. E, Statistical physics, plasmas, fluids, and related interdisciplinary topics 86 (2012): 051503.
<https://dx.doi.org/10.1103/PhysRevE.86.051503>

170)-Many-Body Nature of Relaxation Processes in Glass-Forming Systems

S. Capaccioli; M. Paluch; D. Prevosto; Li-Min Wang; K. L. Ngai
subjectglass
transitionsubjectpressuresubjectsecondary relaxation
The journal of physical chemistry letters 3 (2012): 735–743.
<https://dx.doi.org/10.1021/jz201634p>

171)-Evidence of Coexistence of Change of Caged Dynamics at T_g and the Dynamic Transition at T_d in Solvated Proteins

S. Capaccioli; K.L Ngai; S. Ancherbak; A. Paciaroni
subjectneutron scatteringsubjectprotein
dynamicssubjectdynamic transition
The journal of physical chemistry. B 116 (2012): 1745–1757.
<https://dx.doi.org/10.1021/jp2057892>

172)-Bioresorbable glass effect on the physico-chemical properties of bilayered scaffolds for osteochondral regeneration

Piergiorgio Gentile; Valeria Chiono; Chiara Tonda-Turo; Clara Mattu; Francesco Baino;
Chiara Vitale-Brovarone; Gianluca CiardellisubjectComposite
scaffoldssubjectBilayeredsubjectBioresorbable glasssubjectGelatinsubjectOsteochondral bone
Materials letters (Gen. ed.) 89 (2012): 74–76.
<https://dx.doi.org/10.1016/j.matlet.2012.08.023>

173)-Noise policy development in Italy and the EU

Licitra, G; Ascari, E
The Journal of the Acoustical Society of America (Online) 131 (2012): 3505–3505.
<http://www.cnr.it/prodotto/i/197326>

info:cnr-pdr/source/autori:Licitra, G; Ascari, E/titolo:Noise policy development in Italy and the EU/

174)-Collagen for bone tissue regeneration

Ana Marina Ferreira; Piergiorgio Gentile; Valeria Chiono; Gianluca Ciardelli
subjectBonessubjectCollagenssubjectHydrogelssubjectScaffoldssubjectTissue engineering

Acta biomaterialia 8 (2012): 3191–3200.

<https://dx.doi.org/10.1016/j.actbio.2012.06.014>

175)-Tranquility analysis by soundwalks in Pisa's green areas

Licitra, G; Chiari, C; Menichini, I; Ascari, E

The Journal of the Acoustical Society of America (Online) 131 (2012): 3473–3473.

<http://www.cnr.it/prodotto/i/197329>

info:cnr-pdr/source/autori:Licitra, G; Chiari, C; Menichini, I; Ascari, E/titolo:Tranquility analysis by soundwalks in Pisa's green areas/

176)-Biomimetic coating on bioactive glass-derived scaffolds mimicking bone tissue

D. Bellucci; A. Sola; P. Gentile; G. Ciardelli; V. Cannillo
subjectbone tissue engineeringsscaffoldssubjectgenipinssubjectgelatinsubjectbioactive glass

Journal of biomedical materials research. Part A (Online) 100A (2012): 3259–3266.

<https://dx.doi.org/10.1002/jbm.a.34271>

**177)-L'IMPATTO DEGLI AEROPORTI SULLA SALUTE DELLA POPOLAZIONE
RESIDENTE: LO STUDIO SERA ITALIA**

Ancona, C; Mataloni, F; Ancona, L; Bucci, S; Compagnucci, P; Davoli, M; Cadum, E; Chiusolo, M; Macario, A; Ottino, M; Signorile, L; Pisani, S; Camerino, D; Minniti, C; Vigotti, M; Cestari, L; Palazzi, B; Panarotto, C; Sepulcri, D; Simonato, L; Ascari, E; Licitra, G; Simonetti, D; Caricchia, A; Cattani, G; Di Menno, A; Gaeta, A; Fabozzi, T; Briotti, V; Sozzi, R; Forastiere, F

Epidemiologia e prevenzione 36 (2012): 43–44.

<http://www.cnr.it/prodotto/i/197339>

info:cnr-pdr/source/autori:Ancona, C; Mataloni, F; Ancona, L; Bucci, S; Compagnucci, P; Davoli, M; Cadum, E; Chiusolo, M; Macario, A; Ottino, M; Signorile, L; Pisani, S; Camerino, D; Minniti, C; Vigotti, M; Cestari, L; Palazzi, B; Panarotto, C; Sepulcri, D; Simonato, L; Ascari, E; Licitra, G; Simonetti, D; Caricchia, A; Cattani, G; Di Menno, A; Gaeta, A; Fabozzi, T; Briotti, V; Sozzi, R; Forastiere, F/titolo:L'IMPATTO DEGLI AEROPORTI SULLA SALUTE DELLA POPOLAZIONE RESIDENTE: LO STUDIO SERA ITALIA/

178)-Temperature dependence and aging effects on silicon nanowires photoluminescence

Artoni Pietro; Irrera Alessia; Iacona Fabio; Pecora Emanuele Francesco; Franzò Giorgia; Priolo Francesco

Optics express 20 (2012).

<http://www.cnr.it/prodotto/i/197358>

info:cnr-pdr/source/autori:Artoni Pietro; Irrera Alessia; Iacona Fabio; Pecora Emanuele Francesco; Franzò Giorgia; Priolo Francesco/titolo:Temperature dependence and aging effects on silicon nanowires photoluminescence/

179)-Evanescent wave optical trapping and transport of micro- and nanoparticles on tapered optical fibers

Skelton S.E.; Sergides M.; Patel R.; Karczewska E.; Marago' O.M.; Jones P.H.

Journal of Quantitative Spectroscopy & Radiative Transfer 113 (2012): 2512–2520.

<https://dx.doi.org/10.1016/j.jqsrt.2012.06.005>

180)-Trapping and deformation of microbubbles in a dual-beam fibre-optic trap

Skelton S.E.; Sergides M.; Memoli G.; Marago' O.M.; Jones P.H.

Journal of optics (Print) 14 (2012): 075706.

<https://dx.doi.org/10.1088/2040-8978/14/7/075706>

181)-Effects of poly(dimethylsiloxane) and inorganic fillers in halogen free flame retardant poly(ethylene-co-vinyl acetate) compound: A chemometric approach

A. Cardelli; G. Ruggeri; M. Calderisi; O. Lednev; C. Cardelli; E. Tombari
subjectFlame retardant composites
subjectMixture designs
subjectPoly(ethylene-co-vinyl acetate)
subjectPoly(dimethylsiloxane)
subjectCalcium borate

Polymer degradation and stability 97 (2012): 2536–2544.

<https://dx.doi.org/10.1016/j.polymdegradstab.2012.02.018>

182)-Specific Heat and Transformations of Water in 1.4 and 1.8 nm Pore-MCMs

E. Tombari; G. Salvetti; G.P. Johari
subjectDIFFERENTIAL SCANNING CALORIMETRY
subjectSUPERCOOLED CONFINED WATER
subjectNEUTRON-SCATTERING
subjectNANOPORES

Journal of physical chemistry. C 116 (2012): 2702–2709.

<https://dx.doi.org/10.1021/jp209598x>

183)-Photoconductive Nile red cyclopalladated metallomesogens

Ionescu, A; Godbert, N; Crispini, A; Termine, R; Golemme, A; Ghedini, M

Journal of materials chemistry (Print) 22 (2012): 23617–23626.

<http://www.cnr.it/prodotto/i/198969>

info:cnr-pdr/source/autori:Ionescu, A ; Godbert, N ; Crispini, A ; Termine, R ; Golemme, A ; Ghedini, M/titolo:Photoconductive Nile red cyclopalladated metallomesogens/

184)-Enhancement of Exciton Dissociation Efficiency in Bulk Heterojunction Solar Cells by Using an Intrinsic Photoconductor Component

Pandey, UK; Termine, R; Ionescu, A; Godbert, N; De Santo, MP; Ghedini, M; Golemme, A

Molecular crystals and liquid crystals science and technology. Section A, Molecular crystals and liquid crystals 558 (2012): 148–159.

<http://www.cnr.it/prodotto/i/198992>

info:cnr-pdr/source/autori:Pandey, UK ; Termine, R; Ionescu, A ; Godbert, N ; De Santo, MP ; Ghedini, M ; Golemme, A/titolo:Enhancement of Exciton Dissociation Efficiency in Bulk Heterojunction Solar Cells by Using an Intrinsic Photoconductor Component/

185)-A linear conjugated core for functional columnar liquid crystals

Perez, A; Serrano, JL; Sierra, T; Ballesteros, A; de Saa, D; Termine, R; Pandey, UK; Golemme, A

New journal of chemistry (Online) 36 (2012): 830–842.

<https://dx.doi.org/10.1039/c2nj20950k>

186)-Tuning solid state luminescent properties in a hydrogen bonding-directed supramolecular assembly of bis-cyclometalated iridium(III) ethylenediamine complexes

Talarico, AM; Szerb, EI; Mastropietro, TF; Aiello, I; Crispini, A; Ghedini, M

Dalton transactions (2003. Online) 41 (2012): 4919–4926.

<https://dx.doi.org/10.1039/c2dt12108e>

187)-Role of Fluorine Interactions in the Solid State Structure and Photophysical Properties of 3,5-Disubstituted-2-(2'-pyridyl)pyrrole Pd(II) Complexes

Mastropietro, TF; Aprea, A; La Deda, M; Aiello, I; Ghedini, M; Crispini, A

Crystal growth & design 12 (2012): 2173–2177.

<http://www.cnr.it/prodotto/i/199224>

info:cnr-pdr/source/autori:Mastropietro, TF; Aprea, A ; La Deda, M ; Aiello, I; Ghedini, M; Crispini, A/titolo:Role of Fluorine Interactions in the Solid State Structure and Photophysical Properties of 3,5-Disubstituted-2-(2'-pyridyl)pyrrole Pd(II) Complexes/

188)-MD.P01.015.007

Mastropietro, TF; Yadav, YJ; Szerb, EI; Talarico, AM; Ghedini, M; Crispini, A

Dalton transactions (2003. Print) 41 (2012): 8899–8907.

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info:cnr-pdr/source/autori:Mastropietro, TF ; Yadav, YJ; Szerb, EI; Talarico, AM; Ghedini, M; Crispini, A/titolo:MD.P01.015.007/

189)-A facile and ecofriendly functionalization of multiwalled carbon nanotubes by an old mesoionic compound

Grassi, Giovanni; Scala, Angela; Piperno, Anna; Iannazzo, Daniela; Lanza, Maurizio; Milone, Candida; Pistone, Alessandro; Galvagno, Signorinosubjectampholyte; multi walled nanotube; oxazolone; carbon dioxide excretion; covalent bond; cycloaddition; electric conductivity; green chemistry; Raman spectrometry; reaction time

Chemical communications (Lond., 1996, Online) 48 (2012): 6836–6838.

<https://dx.doi.org/10.1039/c2cc31884a>

190)-A free-standing aligned-carbon-nanotube/nanocomposite foil as an efficient counter electrode for dye solar cells

Malara, Francesco; Manca, Michele; Lanza, Maurizio; Huebner, Christof; Piperopoulos, Elpida; Gigli, Giuseppe
Energy & environmental science (Print) 5 (2012): 8377–8383.
<https://dx.doi.org/10.1039/c2ee21569a>

191)-Coumarin-Conjugated Multiwalled Carbon Nanotubes for Potential Biological Applications: Development and Characterization

Iannazzo, D.; Piperno, A.; Romeo, G.; Romeo, R.; Ferlazzo, A.; Pistone, A.; Lanza, M.; Milone, C.

Journal of nanoscience and nanotechnology (Print) 12 (2012): 5030–5038.

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info:cnr-pdr/source/autori:Iannazzo, D.; Piperno, A.; Romeo, G.; Romeo, R.; Ferlazzo, A.; Pistone, A.; Lanza, M.; Milone, C./titolo:Coumarin-Conjugated Multiwalled Carbon Nanotubes for Potential Biological Applications: Development and Characterization/

192)-Effect of Fe load on the synthesis of C nanotubes by isobutane decomposition over Na-exchanged montmorillonite-clay catalysts

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

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<http://www.cnr.it/prodotto/i/199152>

info:cnr-pdr/source/autori:Santangelo, S.; Messina, G.; Piperopoulos, E.; Lanza, M.; Faggio, G.; Milone, C./titolo:Effect of Fe load on the synthesis of C nanotubes by isobutane decomposition over Na-exchanged montmorillonite-clay catalysts/

193)-Functionalization of multi-walled carbon nanotubes with coumarin derivatives and their biological evaluation

Iannazzo, Daniela; Piperno, Anna; Ferlazzo, Angelo; Pistone, Alessandro; Milone, Candida; Lanza, Maurizio; Cimino, Francesco; Speciale, Antonio; Trombetta, Domenico; Saija, Antonina; Galvagno, Signorino

Organic & biomolecular chemistry 10 (2012): 1025–1031.

<http://www.cnr.it/prodotto/i/199145>

info:cnr-pdr/source/autori:Iannazzo, Daniela; Piperno, Anna; Ferlazzo, Angelo; Pistone, Alessandro; Milone, Candida; Lanza, Maurizio; Cimino, Francesco; Speciale, Antonio; Trombetta, Domenico; Saija, Antonina; Galvagno, Signorino/titolo:Functionalization of multi-walled carbon nanotubes with coumarin derivatives and their biological evaluation/

194)-Growth and Analysis of C Nanotubes on Ceramic Polymer-Additives

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

Journal of nanoscience and nanotechnology (Print) 12 (2012): 4786–4797.

<http://www.cnr.it/prodotto/i/199165>

info:cnr-pdr/source/autori:Santangelo, S.; Piperopoulos, E.; Lanza, M.; Milone, C./titolo:Growth and Analysis of C Nanotubes on Ceramic Polymer-Additives/

- 195)-Morphological Modification of MWCNT Functionalized with HNO₃/H₂SO₄ Mixtures**
Pistone, A.; Ferlazzo, A.; Lanza, M.; Milone, C.; Iannazzo, D.; Piperno, A.; Piperopoulos, E.; Galvagno, S.
Journal of nanoscience and nanotechnology (Print) 12 (2012): 5054–5060.
<http://www.cnr.it/prodotto/i/199161>
info:cnr-pdr/source/autori:Pistone, A.; Ferlazzo, A.; Lanza, M.; Milone, C.; Iannazzo, D.; Piperno, A.; Piperopoulos, E.; Galvagno, S./titolo:Morphological Modification of MWCNT Functionalized with HNO₃/H₂SO₄ Mixtures/
- 196)-Optimization of CVD growth of CNT-based hybrids using the Taguchi method**
Santangelo, S.; Lanza, M.; Piperopoulos, E.; Galvagno, S.; Milone, C.
Materials research bulletin 47 (2012): 595–601.
<http://www.cnr.it/prodotto/i/199150>
info:cnr-pdr/source/autori:Santangelo, S.; Lanza, M.; Piperopoulos, E.; Galvagno, S.; Milone, C./titolo:Optimization of CVD growth of CNT-based hybrids using the Taguchi method/
- 197)-Optimized CVD Production of CNT-Based Nanohybrids by Taguchi Robust Design**
Santangelo, S.; Lanza, M.; Piperopoulos, E.; Milone, C.
Journal of nanoscience and nanotechnology (Print) 12 (2012): 2424–2436.
<http://www.cnr.it/prodotto/i/199158>
info:cnr-pdr/source/autori:Santangelo, S.; Lanza, M.; Piperopoulos, E.; Milone, C./titolo:Optimized CVD Production of CNT-Based Nanohybrids by Taguchi Robust Design/
- 198)-Demonstration of a stable ultrafast laser based on a nonlinear microcavity**
Peccianti, M; Pasquazi, A; Park, Y; Little, B E; Chu, S T; Moss, D J; Morandotti, R
subjectIntegrated Nonlinear PhotonicssubjectUltrafast LaserssubjectFour Wave Mixing
Nature communications 3 (2012): art_n_765.
<https://dx.doi.org/10.1038/ncomms1762>
- 199)-The nature of interstellar dust as revealed by light scattering**
C. Cecchi-Pestellini; M.A. Iatì; D. A. Williams
Journal of Quantitative Spectroscopy & Radiative Transfer 113 (2012): 2310–2320.
<https://dx.doi.org/10.1016/j.jqsrt.2012.02.039>
- 200)-The gamma parameter of the stretched-exponential model is influenced by internal gradients: Validation in phantoms**
Marco Palombo (1,2); Andrea Gabrielli (1,3); Silvia De Santis (1,4); Silvia Capuani (1,2)
subjectAnomalous Diffusion Imaging; DiffusionsubjectInternal gradientssubjectMagnetic susceptibility differencessubjectNMR PGSTESubjectPolystyrene micro-beads
Journal of magnetic resonance (San Diego, Calif., 1997 : Print) 216 (2012): 28–36.
<https://dx.doi.org/10.1016/j.jmr.2011.12.023>

201)-Integrated computational approaches for spectroscopic studies of molecular systems in the gas phase and in solution: pyrimidine as a test case

Biczysko, Malgorzata; Bloino, Julien; Brancato, Giuseppe; Cacelli, Ivo; Cappelli, Chiara; Ferretti, Alessandro; Lami, Alessandro; Monti, Susanna; Pedone, Alfonso; Prampolini, Giacomo; Puzzarini, Cristina; Santoro, Fabrizio; Trani, Fabio; Villani, Giovanni

Theoretical Chemistry accounts (Print) 131 (2012): 1201.

<https://dx.doi.org/10.1007/s00214-012-1201-3>

202)-A singular thermodynamically consistent temperature at the origin of the anomalous behavior of liquid water

Mallamace, F (Mallamace, Francesco)[1,2,3,4,5]; Corsaro, C (Corsaro, Carmelo)[1,2]; Stanley, HE (Stanley, H. Eugene)[4,5]subjectSTOKES-EINSTEIN RELATIONsubjectSUPERCOOLED WATERsubjectCONFINED WATERsubjectHIGH-PRESSURE

Scientific reports (Nature Publishing Group) 2 (2012): Article Number: 993.

<https://dx.doi.org/10.1038/srep00993>

203)-Adaptive Optics Photoreceptor Imaging

M. Lombardo; G. Lombardo; P. Ducoli; S. SerraosubjectADAPTIVE OPTICSsubjectCONES DENSITYsubjectRETINA

Ophthalmology (Rochester Minn.) 119 (2012): 1498–1498.

<http://www.cnr.it/prodotto/i/212992>

info:cnr-pdr/source/autori:M. Lombardo, G. Lombardo, P. Ducoli, S. Serrao/titolo:Adaptive Optics Photoreceptor Imaging/

204)-Au nanoparticle arrays produced by Pulsed Laser Deposition for Surface Enhanced Raman Spectroscopy

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

Applied surface science 258 (2012): 9148–9152.

<https://dx.doi.org/10.1016/j.apsusc.2011.12.030>

205)-Self-Assembly of Hydrophobin Protein Rodlets Studied with Atomic Force Spectroscopy in Dynamic Mode

S. Houmadi+?; Raul D. Rodriguez+§?; S. Longobardi?; P. Giardina?; M. C. Faure+; M. Giocondo ?; E. Lacaze+?

Langmuir 28 (2012): 2551–2557.

<https://dx.doi.org/10.1021/la2028093>

206)-Isolation of Squarebop I bacteriorhodopsin from biomass of coastal salterns

Lobasso S.(a); Lopalco P.(b); Angelini R.(a); Pollice A.(c); Laera G.(c); Milano F.(d); Agostiano A.(d; e); Corcelli A. (a; d)subjectRetinal proteinssubjectMicrofiltrationsubjectHollow fibersubjectHalophilic archaea

Protein expression and purification (Print) 84 (2012): 73–79.

<https://dx.doi.org/10.1016/j.pep.2012.04.017>

207)-All-optical and thermal tuning of a Bragg grating based on photosensitive composite structures containing liquid crystals

Gilardi; G. 1; Asquini; R.1; D'Alessandro; A. 1; Beccherelli; R.2; De Sio; L. 3; Umeton; C.3subjectAll-opticalsubjectChannel waveguidesubjectFiltering effectssubjectLow PowersubjectOptical signalssubjectopto-optical effectssubjectPhotocurable polymerssubjectPump lightsubjectTemperature variationssubjectThermal tuningsubjectWaveguide gratingsubjectBorosilicate glasssubjectIon exchangesubjectLiquid crystalssubjectOptical waveguidessubjectWaveguide filters

Molecular crystals and liquid crystals (Phila. Pa. : 2003) 558 (2012): 64–71.

<https://dx.doi.org/10.1080/15421406.2011.653680>

208)-Viva la differenza

Massimo Trotta e Luigi R. CecisubjectDivulazione scientifica

Sapere (Bari) 78 (2012): 78–79.

<http://www.cnr.it/prodotto/i/274103>

info:cnr-pdr/source/autori:Massimo Trotta e Luigi R. Ceci/titolo:Viva la differenza/

209)-Low-Energy Vibrational Dynamics of Cesium Borate Glasses

Crupi; C.; D'Angelo; G.; Vasi; C.subjectRAMAN-SCATTERINGsubjectTHERMAL-CONDUCTIVITYsubjectCRYSTAL-STRUCTUREsubjectBOSON PEAKsubjectHEATsubjectTRIBORATEsubjectB2O3subjectRADIISubjectGE

The journal of physical chemistry. B 116 (2012): 6499–6505.

<https://dx.doi.org/10.1021/jp301230s>

210)-Colorimetric detection of sugars based on gold nanoparticle formation

Gerardo Palazzo; Laura Facchini; Antonia Mallardi

Sensors and actuators. B, Chemical (Print) 161 (2012): 366–371.

<http://www.cnr.it/prodotto/i/237237>

info:cnr-pdr/source/autori:Gerardo Palazzo, Laura Facchini, Antonia Mallardi/titolo:Colorimetric detection of sugars based on gold nanoparticle formation/

211)-Incorporation of the bacterial reaction centre into dendrimersomes

Mauro Giustini a; Cristina Bellinazzo a; Luciano Galantini a; Antonia Mallardi b; Gerardo Palazzo c; Simona Sennato d; Federico Bordi d; Kari Rissanen e

Colloids and surfaces. A, Physicochemical and engineering aspects (Print) 413 (2012): 38–43.

<http://www.cnr.it/prodotto/i/238849>

info:cnr-pdr/source/autori:Mauro Giustini a, Cristina Bellinazzo a, Luciano Galantini a, Antonia Mallardi b, Gerardo Palazzo c,

Simona Sennato d, Federico Bordi d, Kari Rissanen e/titolo:Incorporation of the bacterial reaction centre into dendrimersomes/

212)-Polymer-photosynthetic protein multilayer architectures for herbicide optical detection

Mauro Giustini; Mattia Autullo; Mauro Mennuni; Gerardo Palazzo; Antonia Mallardi
Sensors and actuators. B, Chemical (Print) 163 (2012): 69–75.

<http://www.cnr.it/prodotto/i/237251>

info:cnr-pdr/source/autori:Mauro Giustini, Mattia Autullo, Mauro Mennuni, Gerardo Palazzo, Antonia Mallardi/titolo:Polymer-photosynthetic protein multilayer architectures for herbicide optical detection/

213)-The Light-Activated Proton Pump Bop I of The Archaeon Haloquadratum walsbyi

Simona Lobasso; Patrizia Lopalco; Rita Vitale; Matilde Sublimi Saponetti; Giuseppe Capitanio; Vincenzo Mangini; Francesco Milano; Massimo Trotta; Angela Corcellisubjectretinal protein
Photochemistry and photobiology 88 (2012): 690–700.

<https://dx.doi.org/10.1111/j.1751-1097.2012.01089.x>

214)-Changes in morphology, cell wall composition and soluble proteome in Rhodobacter sphaeroides cells exposed to chromate

Italiano F; Rinalducci S; Agostiano A; Zolla L; De Leo F; Ceci LR; Trotta MsubjectChromate reduction; Photosynthesis; Rhodobacter sphaeroides; Two-dimensional gel electrophoresis; Atomic force microscopy; Attenuated total reflection-fourier transformed infrared spectroscopy

BioMetals (Oxf.) 25 (2012): 939–949.

<https://dx.doi.org/10.1007/s10534-012-9561-7>

215)-The reaction center is the sensitive target of the mercury (II) ion in intact cells of photosynthetic bacteria

E. Asztalos; G. Sipka; M. Kis; M. Trotta; P. Maróti subjectBacterial photosynthesis; Intact cells; Reaction center; Antenna; Mercury contamination; Bacteriochlorophyll spectroscopy
Photosynthesis research (Print) 112 (2012): 129–140.

<https://dx.doi.org/10.1007/s11120-012-9749-2>

216)-Oxidoreductase activity of chromatophores and purified cytochrome bc 1 complex from Rhodobacter sphaeroides: a possible role of cardiolipin

Lucia Catucci; Vincenzo De Leo; Francesco Milano; Livia Giotta; Rita Vitale; Angela Agostiano; Angela CorcellisubjectRhodobacter sphaeroides; Osmotic stress; Cardiolipin; Oxidoreductase activity; Cytochrome bc(1) complex

Journal of bioenergetics and biomembranes (Dordr., Online) 44 (2012): 487–493.

<https://dx.doi.org/10.1007/s10863-012-9447-y>

217)-Un dono dai funghi: le idrofobine

Massimo Trotta; Luigi R. Ceci e Andrea Ventrella
Sapere (Bari) 78 (2012): 78–79.

<http://www.cnr.it/prodotto/i/274107>

info:cnr-pdr/source/autori:Massimo Trotta, Luigi R. Ceci e Andrea Ventrella/titolo:Un dono dai funghi: le idrofobine/

218)-Il bisturi molecolare

Massimo Trotta e Luigi R. Ceci
Sapere (Bari) 78 (2012): 68–69.

<http://www.cnr.it/prodotto/i/274108>

info:cnr-pdr/source/autori:Massimo Trotta e Luigi R. Ceci/titolo:Il bisturi molecolare/

219)-Piccoli grandi demolitori

Massimo Trotta; Luigi R. Ceci
Sapere (Bari) 78 (2012): 110–111.

<http://www.cnr.it/prodotto/i/274109>

info:cnr-pdr/source/autori:Massimo Trotta, Luigi R. Ceci/titolo:Piccoli grandi demolitori/

220)-Enhancing the Light Harvesting Capability of a Photosynthetic Reaction Center by a Tailored Molecular Fluorophore

Francesco Milano; Rocco Roberto Tangorra; Omar Hassan Omar; Roberta Ragni; Alessandra Operamolla; Angela Agostiano; Gianluca M Farinola; Massimo Trotta
subjectPhotosynthesis
subjectArtificial Photosynthesis
subjectBiohybrid organic-biological systems

Angewandte Chemie (Int. ed., Print) 51 (2012): 11019–11023.

<https://dx.doi.org/10.1002/anie.201203404>

221)-Phospholipid film in electrolyte-gated organic field-effect transistors

Serafina Cotrone a; Marianna Ambrico b; Henrik Toss c; M. Daniela Angione a; Maria Magliulo a; Antonia Mallardi d; Magnus Berggren c; Gerardo Palazzo a; Gilles Horowitz e; Teresa Ligonzo f; Luisa Torsi a
subjectElectrolyte-gated field-effect transistor
subjectPhospholipid layers
subjectPoly-3-hexyl-thiophene (P3HT)
subjectElectrochemical impedance spectroscopy

Organic electronics (Print) 13 (2012): 638–644.

<https://dx.doi.org/10.1016/j.orgel.2012.01.002>

222)-Phase Transfer of CdS Nanocrystals Mediated by Heptamine beta-Cyclodextrin

Depalo; Nicoletta; Comparelli; Roberto; Huskens; Jurriaan; Ludden; Manon J. W.; Perl; Andras; Agostiano; Angela; Striccoli; Marinella; Curri; M. Lucia
subjectMULTIVALENT SUPRAMOLECULAR INTERACTIONS
subjectHOST-GUEST INTERACTIONS
subjectQUANTUM DOTS
subjectMOLECULAR PRINTBOARDS
subjectALPHA-

CYCLODEXTRINsubjectWATERsubjectGOLDsubjectTHERMODYNAMICSsubjectNANO
PARTICLESsubjectRECOGNITION

Langmuir 28 (2012): 8711–8720.

<https://dx.doi.org/10.1021/la3007469>

223)-Percolating networks of TiO₂ nanorods and carbon for high power lithium insertion electrodes

Bresser Dominic; Paillard Elie; Binetti Enrico; Krueger Steffen; Striccoli Marinella; Winter Martin; Passerini Stefano

Journal of power sources (Print) 206 (2012): 301–309.

<https://dx.doi.org/10.1016/j.jpowsour.2011.12.051>

224)-Spectroscopic Study on Imidazolium-Based Ionic Liquids: Effect of Alkyl Chain Length and Anion

Binetti; Enrico; Panniello; Annamaria; Triggiani; Leonardo; Tommasi; Raffaele; Agostiano; Angela; Curri; Maria Lucia; Striccoli; Marinella

The journal of physical chemistry. B 116 (2012): 3512–3518.

<https://dx.doi.org/10.1021/jp300517h>

225)-Surface chemical functionalization of single walled carbon nanotubes with a bacteriorhodopsin mutant

Ingresso; C.; Bianco; G.V.; Lopalco; P.; Tamborra; M.; Curri; M.L.; Corcelli; A.; Bruno; G.; Agostiano; A.; Siciliano; P.; Striccoli; M.

Nanoscale (Print) 4 (2012): 6434–6441.

<https://dx.doi.org/10.1039/c2nr31999c>

226)-Spatially balanced topological interaction grants optimal cohesion in flocking models

Marcelo Camperi (1); Andrea Cavagna (2,3); Irene Giardina (2,3); Giorgio Parisi (3,4,5); Edmondo Silvestri (3,4,6)subjectCOLLECTIVE ANIMAL BEHAVIORsubjectSTARFLAG HANDBOOKsubjectPHASE-TRANSITIONsubject3 DIMENSIONSsubjectMOTION

Interface focus (Print) 2 (2012): 715–725.

<https://dx.doi.org/10.1098/rsfs.2012.0026>

227)-Dynamics and Binding Affinity of Spin-Labeled Stearic Acids in beta-Lactoglobulin: Evidences from EPR Spectroscopy and Molecular Dynamics Simulation

Guzzi, Rita; Rizzuti, Bruno; Bartucci, Rosa

The journal of physical chemistry. B 116 (2012): 11608–11615.

<https://dx.doi.org/10.1021/jp3074392>

228)-Nanopatterning of silicon nanowires for enhancing visible photoluminescence

Pecora, Emanuele Francesco; Lawrence, Nate; Gregg, Patrick; Trevino, Jacob; Artoni, Pietro; Irrera, Alessia; Priolo, Francesco; Dal Negro, Luca

Nanoscale (Print) 4 (2012): 2863–2866.

<https://dx.doi.org/10.1039/c2nr30165b>

229)-Modeling particle scattering structure factor for branched bio-inspired polymers in solution: A small angle X-ray scattering study

Bonaccorsi, Lucio; Calandra, Pietro; Proverbio, Edoardo; Lombardo, Domenico
subjectX-rays
ScatteringsubjectStructure factor analysissubjectSpectral lineshape modeling

Journal of Quantitative Spectroscopy & Radiative Transfer 113 (2012): 266–271.

<https://dx.doi.org/10.1016/j.jqsrt.2012.06.015>

230)-Structure of bulk water from Raman measurements of supercooled pure liquid and LiCl solutions

Aliotta F; Pochylski M; Ponterio RC; Saija F; Salvato G; Vasi CS

Physical review. B, Condensed matter and materials physics 86 (2012): 134301.

<https://dx.doi.org/10.1103/PhysRevB.86.134301>

231)-Model interactions for liquid systems with tetrahedral local coordination

Malescio G; Saija F
subjectStructure of liquidssubjectGeneral studies of phase transitionssubjectComputer simulation of liquid structure

La Rivista del nuovo cimento della Società italiana di fisica (Testo stamp.) 35 (2012): 539–574.

<https://dx.doi.org/10.1393/ncr/i2012-10081-x>

232)-Hexatic phase and water-like anomalies in a two-dimensional fluid of particles with a weakly softened core

Prestipino S; Saija F; Giaquinta PV

The Journal of chemical physics 137 (2012): 104503.

<https://dx.doi.org/10.1063/1.4749260>

233)-Fourth virial coefficients of asymmetric nonadditive hard-disk mixtures

Saija F.; Santos A.; Yuste S. B.; Lopez de Haro M.
subjecthard-disk; equation of state; virial expansion

The Journal of chemical physics 136 (2012): 184505.

<https://dx.doi.org/10.1063/1.4712035>

234)-Ab Initio Molecular Dynamics Study of Dissociation of Water under an Electric Field

Saitta A. M.; Saija F.; Giaquinta P. V.
subjectautoionization water; ab-initio molecular dynamics

Physical review letters 108 (2012): 207801.

<https://dx.doi.org/10.1103/PhysRevLett.108.207801>

235)-Near Infrared Emission from Monomodal and Bimodal PbS Nanocrystal Superlattices

Corricelli, M (Corricelli, Michela)1; Enrichi, F (Enrichi, Francesco)3,4; Altamura, D (Altamura, Davide)5; De Caro, L (De Caro, Liberato)5; Giannini, C (Giannini, Cinzia)5; Falqui, A (Falqui, Andrea)6; Agostiano, A (Agostiano, Angela)1,2; Curri, ML (Curri, M. Lucia)1; Striccoli, M (Striccoli, Marinella)1subjectTIME-RESOLVED PHOTOLUMINESCENCE; LIGHT-EMITTING-DIODES; QUANTUM DOTS; SEMICONDUCTOR NANOCRYSTALS; MONODISPERSE NANOCRYSTALS; BINARY SUPERLATTICES; POLYMER; ELECTROLUMINESCENCE; SPECTROSCOPY; PBSE/PBS

The Journal of Physical Chemistry C 116 (2012): 6143–6152.

<http://www.cnr.it/prodotto/i/190596>

info:cnr-pdr/source/autori:Corricelli, M (Corricelli, Michela)1; Enrichi, F (Enrichi, Francesco)3,4; Altamura, D (Altamura, Davide)5; De Caro, L (De Caro, Liberato)5; Giannini, C (Giannini, Cinzia)5; Falqui, A (Falqui, Andrea)6; Agostiano, A (Agostiano, Angela)1,2; Curri, ML (Curri, M. Lucia)1; Striccoli, M (Striccoli, Marinella)1/titolo:Near Infrared Emission from Monomodal and Bimodal PbS Nanocrystal Superlattices/

236)-Polyelectrolyte Multilayers As a Platform for Luminescent Nanocrystal Patterned Assemblies

Fanizza; Elisabetta; Altomare; Michele; Di Mauro; A. Evelyn; Del Sole; Teresa; Corricelli; Michela; Depalo; Nicoletta; Comparelli; Roberto; Agostiano; A.; Striccoli; Marinella; Curri; M. Lucia subjectQUARTZ-CRYSTAL MICROBALANCE subjectCHEMICAL-VAPOR-DEPOSITION subjectCDSE/ZNS QUANTUM DOTS subjectSEMICONDUCTOR NANOCRYSTALS subjectWATER subjectMONOLAYERS subjectFILMS subjectNANOPARTICLES subjectSILICON subject ADSORPTION

Langmuir 28 (2012): 5964–5974.

<https://dx.doi.org/10.1021/la300213n>

237)-Surface Quality of Femtosecond Dissected Posterior Human Corneal Stroma Investigated With Atomic Force Microscopy

M. Lombardo; M. P. De Santo; G. Lombardo; D. Schiano Lomoriello; G. Desiderio; P. Ducoli; R. Barberi; S. Serra subjectatomic force microscopy; surface roughness; precut tissue; DSAEK

Cornea 31 (2012): 1369–1375.

<https://dx.doi.org/10.1097/ICO.0b013e31823f774c>

238)-Bromopyruvate mediates autophagy and cardiolipin degradation to monolysocardiolipin in GL15 glioblastoma cells

Davidescu, Magdalena; Sciacaluga, Miriam; MacChioni, Lara; Angelini, Roberto; Lopalco, Patrizia; Rambotti, Maria Grazia; Roberti, Rita; Corcelli, Angela; Castigli, Emilia; Corazzi, L. subjectAutophagy subjectBromopyruvate subjectCardiolipin subjectCytochrome c subjectGlioblastoma cell subjectLyso-cardiolipin

Journal of bioenergetics and biomembranes 44 (2012): 51–60.

<https://dx.doi.org/10.1007/s10863-012-9411-x>

- 239)-Novel ether lipid cardiolipins in archaeal membranes of extreme haloalkaliphiles**
Angelini, Roberto; Corral, Paulina; Lopalco, Patrizia; Ventosa, Antonio; Corcelli, AngelasubjectArchaeasubjectCardiolipinsubjectEther lipidssubjectIsopranoid chainssubjectMALDI-TOF/MSsubjectNatronococcus
Biochimica et biophysica acta. Biomembranes 1818 (2012): 1365–1373.
<https://dx.doi.org/10.1016/j.bbamem.2012.02.014>
- 240)-Morphology, biophysical properties and protein-mediated fusion of archaeosomes**
Sustar, Vid; Zelko, Jasna; Lopalco, Patrizia; Lobasso, Simona; Ota, Ajda; Ulrih, Nata?a Poklar; Corcelli, Angela; Kralj-Igli?, Veronika
PloS one 7 (2012).
<https://dx.doi.org/10.1371/journal.pone.0039401>
- 241)-Coupled TLC and MALDI-TOF/MS analyses of the lipid extract of the hyperthermophilic archaeon pyrococcus furiosus**
Lobasso, Simona; Lopalco, Patrizia; Angelini, Roberto; Vitale, Rita; Huber, Harald; Müller, Volker Steffen; Corcelli, Angela
Archaea 2012 (2012).
<https://dx.doi.org/10.1155/2012/957852>
- 242)-Lipidomics of intact mitochondria by MALDI-TOF/MS**
Angelini, Roberto; Vitale, Rita; Patil, Vinay A.; Cocco, Tiziana; Ludwig, Bernd; Greenberg, Miriam L.; Corcelli, Angelasubject9-AminoacridinesubjectCardiolipinsubjectHeartsubjectMatrix-assisted laser desorption/ionization time-of-flight mass spectrometrysubjectParacoccus denitrificanssubjectYeast
Journal of lipid research (Print) 53 (2012): 1417–1425.
<https://dx.doi.org/10.1194/jlr.D026203>
- 243)-SPECIAL SECTION: MICRO AND NANO TECHNOLOGIES FOR PROBE-BASED MICROSCOPY**
Curri, Lucia; Fedder, Gary; Pruitt, Beth L.
Micro & nano letters 7 (2012): 296–296.
<https://dx.doi.org/10.1049/mnl.2012.0244>
- 244)-Meso-Crystallographic Study of a Three-Dimensional Self-Assembled Bimodal Nanocrystal Superlattice**
Altamura, Davide; De Caro, Liberato; Corricelli, Michela; Falqui, Andrea; Striccoli, Marinella; Curri, M. Lucia; Giannini, Cinzia
Crystal growth & design 12 (2012): 1970–1976.
<https://dx.doi.org/10.1021/cg201682s>

245)-Adaptive Optics Photoreceptor Imaging

Lombardo, Marco; Lombardo, Giuseppe; Ducoli, Pietro; Serrao, Sebastiano
subjectcone densitysubjectcone arrangementsubjectrodssubjectretinasubjectadaptive optics

Ophthalmology (Rochester Minn.) 119 (2012): 1498–1498.

<http://www.cnr.it/prodotto/i/335591>

info:cnr-pdr/source/autori:Lombardo, Marco; Lombardo, Giuseppe; Ducoli, Pietro; Serrao, Sebastiano/titolo:Adaptive Optics Photoreceptor Imaging/

246)-Tuning the structural and optical properties of gold/silver nano-alloys prepared by laser ablation in liquids for optical limiting, ultra-sensitive spectroscopy, and optical trapping

Messina, E.; D'Urso, L.; Fazio, E.; Satriano, C.; Donato, M. G.; D'Andrea, C.; Marago, O. M.; Gucciardi, P. G.; Compagnini, G.; Neri, F.
subjectPulsed laser ablationsubjectMetallic nanoparticlessubjectLight scatteringsubjectOptical propertiessubjectOptical limitingsubjectSERSsubjectRaman optical tweezers

Journal of Quantitative Spectroscopy & Radiative Transfer 113 (2012): 220–228.

<https://dx.doi.org/10.1016/j.jqsrt.2012.06.023>

247)-Optical trapping of nanotubes with cylindrical vector beams

Donato, M. G.; Vasi, S.; Sayed, R.; Jones, P. H.; Bonaccorso, F.; Ferrari, A. C.; Gucciardi, P. G.; Marago, O. M.
subjectoptical trapping

Optics letters 37 (2012): 3381–3383.

<http://www.cnr.it/prodotto/i/339201>

info:cnr-pdr/source/autori:Donato, M. G.; Vasi, S.; Sayed, R.; Jones, P. H.; Bonaccorso, F.; Ferrari, A. C.; Gucciardi, P. G.; Marago, O. M./titolo:Optical trapping of nanotubes with cylindrical vector beams/

248)-Nanocrystalline TiO₂ based films onto fibers for photocatalytic degradation of organic dye in aqueous solution

2) Panniello A.; 2) Curri L.; 4) Diso D.; 4) Licciulli A.; 1) Locaputo V.; 2-3) Agostiano A.; 2) Comparelli R.; 1) Mascolo G.
subjectTiO₂ colloidal nanocrystalssubjectTiO₂ Degussa P25subjectSupported nano-sized TiO₂subjectDegradation of organic dye

Applied catalysis. B, Environmental (Print) 121-122 (2012): 190–197.

<https://dx.doi.org/10.1016/j.apcatb.2012.03.019>

249)-Instrumental and multivariate statistical analyses for the characterisation of the geographical origin of Apulian virgin olive oils

Longobardi, F.; Ventrella, A.; Casiello, G.; Sacco, D.; Catucci, L.; Agostiano, A.; Kontominas, M. G.
subjectVirgin olive oilsubjectOil quality parameterssubjectMultivariate statistical analysissubjectGeographical origin

Food chemistry 133 (2012): 579–584.

<https://dx.doi.org/10.1016/j.foodchem.2012.01.059>

250)-Light induced transmembrane proton gradient in artificial lipid vesicles reconstituted with photosynthetic reaction centers

Francesco Milano; Massimo Trotta; Márta Dorogi; Béla Fischer; Livia Giotta; Angela Agostiano; Péter Maróti; László Kálmán; László Nagy
subjectReaction centers
subjectProton motive forces
subjectIonophores
subjectPyranine

Journal of bioenergetics and biomembranes (Dordr., Online) 44 (2012): 373–384.

<https://dx.doi.org/10.1007/s10863-012-9435-2>

251)-Interfacial electronic effects in functional bilayers integrated into organic field-effect transistors

Angione, Maria Daniela; Cotrone, Serafina; Magliulo, M (Magliulo, Maria)¹; Mallardi, A (Mallardi, Antonia)³; Altamura, D (Altamura, Davide)²; Giannini, C (Giannini, Cinzia)²; Cioffi, N (Cioffi, Nicola)¹; Sabbatini, L (Sabbatini, Luigia)¹; Fratini, E (Fratini, Emiliano)^{4,5}; Baglioni, P (Baglioni, Piero)^{4,5}; Scamarcio, G (Scamarcio, Gaetano)^{1,6}; Palazzo, G (Palazzo, Gerardo)¹; Torsi, L (Torsi, Luisa)^{1,2}
subjectorganic electronics | analytical bioassay | electronic biodetection

Proceedings of the National Academy of Sciences of the United States of America 27 (2012): 911–916.

<https://dx.doi.org/10.1073/pnas.1200549109>

252)-Aggregation and stability of polyelectrolyte-decorated liposome complexes in water-salt media

Simona Sennato (a); Domenico Truzzolillo (b); Federico Bordi (a)
subjectAdsorptions
subjectIonic strengths
subjectPhase diagram
subjectPolyelectrolytes
subjectVan der Waals forces
subjectCharge ratios
subjectCharge Inhomogeneities

Soft matter (Print) 8 (2012): 9384–9395.

<https://dx.doi.org/10.1039/c2sm25576f>

253)-Ordered Arrays of Size-Selected Oxide Nanoparticles

Gragnaniello, Luca; Ma, Teng; Barcaro, Giovanni; Sementa, Luca; Negreiros, Fabio R.; Fortunelli, Alessandro; Surnev, Svetlozar; Netzer, Falko P.
subjectsurface nanopatterning - theoretical modeling

Physical review letters (Print) 108 (2012): 195507-1–195507-5.

<https://dx.doi.org/10.1103/PhysRevLett.108.195507>

254)-Near Infrared Emission from Monomodal and Bimodal PbS Nanocrystal Superlattices

Corricelli, Michela; Enrichi, Francesco; Altamura, Davide; De Caro, Liberato; Giannini, Cinzia; Falqui, Andrea; Agostiano, Angela; Curri, M. Lucia; Striccoli, Marinella
subjectnear infrared
subjectPbS
subjectnanocrystals

Journal of physical chemistry. C 116 (2012): 6143–6152.

<https://dx.doi.org/10.1021/jp300509f>

255)-Emerging dynamics in surfactant-based liquid mixtures: Octanoic acid/bis(2-ethylhexyl) amine systems

Pietro Calandra; Andrea Mandanici; Vincenzo Turco Liveri; Mikolaj Pochylski; Francesco Aliotta/subject..

THE JOURNAL OF CHEMICAL PHYSICS (2012).

<http://www.cnr.it/prodotto/i/195731>

info:cnr-pdr/source/autori:Pietro Calandra, Andrea Mandanici, Vincenzo Turco Liveri, Mikolaj Pochylski and Francesco Aliotta/titolo:Emerging dynamics in surfactant-based liquid mixtures: Octanoic acid/bis(2-ethylhexyl) amine systems/

256)-Nanocomposites based on highly luminescent nanocrystals and semiconducting conjugated polymer for inkjet printing

Binetti E; Ingrosso C; Striccoli M; Cosma P; Agostiano A; Pataky K; Brugger J; Curri M L/subject.

Nanotechnology (Bristol, Online) 23 (2012).

<http://www.cnr.it/prodotto/i/274023>

info:cnr-pdr/source/autori:Binetti E, Ingrosso C, Striccoli M, Cosma P, Agostiano A, Pataky K, Brugger J, Curri M L/titolo:Nanocomposites based on highly luminescent nanocrystals and semiconducting conjugated polymer for inkjet printing/

257)-Nanosized optoelectronic devices based on photoactivated proteins

Alice Dimonte; Stefano Frache; Victor Erokhin; Gianluca Piccinini; Danilo Demarchi; Francesco Milano; Giovanni De Micheli; Sandro Carrara/subjectActive moleculessubjectBacteriorhodopsin (bR)/subjectCharge separations/subjectContact point/subjectDrop casting

Biomacromolecules 13 (2012): 3503–3509.

<https://dx.doi.org/10.1021/bm301063m>

258)-Analysis of the Electronic Circular Dichroism Spectrum of (-)-[9](2,5)Pyridinophane

Padula; Daniele; Di Bari; Lorenzo; Santoro; Fabrizio; Gerlach; Hans; Rizzo; Antoniosubjectelectronic circular dichroismsubjectpyridinophanesubjectdensity functional theory/subjectvibronic effect/subjectchirality/subjectDENSITY-FUNCTIONAL THEORY/subjectAB-INITIO CALCULATIONS/subjectRAMAN OPTICAL-ACTIVITY/subjectABSORPTION-SPECTRA/subjectBASIS-SETS/subjectABSOLUTE-CONFIGURATION/subjectCHIROPTICAL PROPERTIES/subjectVIBRONIC STRUCTURE/subjectORGANIC-COMPOUNDS/subjectLARGE MOLECULES

Chirality (N.Y., N.Y. Print) 24 (2012): 994–1004.

<https://dx.doi.org/10.1002/chir.22087>

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

1)-Light with no spatial scale: diffraction cancellation, anti-diffraction, scale-free instability and subwavelength beam propagation in dipolar glasses

E.DelRe (1,3); Claudio Conti (1,4); Aharon Agranat (2)

Nonlinear Photonics - Rogue Waves and Novel Propagation Effects (NW3D), pp. paper_NW3D.1, Colorado Springs, Colorado United States, June 17-21, 2012

<https://dx.doi.org/10.1364/NP.2012.NW3D.1>

info:cnr-pdr/source/autori:E.DelRe (1,3); Claudio Conti (1,4); Aharon Agranat (2)/congresso_nome:Nonlinear Photonics - Rogue Waves and Novel Propagation Effects (NW3D)/congresso_luogo:Colorado Springs, Colorado United States/congresso_data:June 17-21, 2012/anno:2012/pagina_da:paper_NW3D.1/pagina_a:/intervallo_pagine:paper_NW3D.1

2)-Kovacs and inverse Kovacs effect in the optical scale-free regime

Eugenio Del Re (1,3); Jacopo Parravicini (1); Claudio Conti (1,4); Aharon Agranat (2)

Nonlinear Photonics - Nonlinearities in Novel Propagation Environments (NTu3D), pp. paper_NTu3D.6, Colorado Springs, Colorado United States, June 17-21, 2012

<https://dx.doi.org/10.1364/NP.2012.NTu3D.6>

info:cnr-pdr/source/autori:Eugenio Del Re (1,3); Jacopo Parravicini (1); Claudio Conti (1,4); Aharon Agranat (2)/congresso_nome:Nonlinear Photonics - Nonlinearities in Novel Propagation Environments (NTu3D)/congresso_luogo:Colorado Springs, Colorado United States/congresso_data:June 17-21, 2012/anno:2012/pagina_da:paper_NTu3D.6/pagina_a:/intervallo_pagine:paper_NTu3D.6

3)-Theoretical Modelling of Oxide-Supported Metal Nanoclusters and Nanoalloys

A. Fortunelli; R. Ferrando

Metal Nanoparticles and Nanoalloys, edited by Roy L. Johnston; J.P. Wilcoxon, pp. 159–211. Amsterdam: Elsevier, 2012

<https://dx.doi.org/10.1016/B978-0-08-096357-0.00003-0>

info:cnr-pdr/source/autori:A. Fortunelli; R. Ferrando/titolo:Theoretical Modelling of Oxide-Supported Metal Nanoclusters and Nanoalloys/titolo_volume:Metal Nanoparticles and Nanoalloys/curatori_volume:Roy L. Johnston; J.P. Wilcoxon/editore:

/anno:2012

4)-Light scattering enhancement in porphyrin nanocomposites

Villari, V; Fazio, B; Micali, N; De Luca, G; Corsaro, C; Romeo, A; Scolaro, LM; Castriciano, MA; Mazzaglia, A

Complex Materials in Physics and Biology, edited by Mallamace, F; Stanley H.E., pp. 335–340. Bologna: SIF Edizioni Scientifiche, 2012

<https://dx.doi.org/10.3254/978-1-61499-071-0-335>

info:cnr-pdr/source/autori:Villari, V; Fazio, B; Micali, N; De Luca, G; Corsaro, C; Romeo, A; Scolaro, LM; Castriciano, MA; Mazzaglia, A/titolo:Light scattering enhancement in porphyrin nanocomposites/titolo_volume:Complex Materials in Physics and Biology/curatori_volume:Mallamace, F; Stanley H.E./editore:

/anno:2012

5)-Aggregation of porphyrin-based cyclic supramolecular architectures

Villari, V; Micali, N; Mineo, P; Scamporrino, E; Corsaro, C

Complex materials in Physics and Biology, edited by Mallamace, F; Stanley, EH, pp. 361–369. Bologna: SIF Edizioni Scientifiche, 2012

<urn:isbn:978-1-61499-070-3>

info:cnr-pdr/source/autori:Villari, V; Micali, N; Mineo, P; Scamporrino, E; Corsaro, C/titolo:Aggregation of porphyrin-based cyclic supramolecular architectures/titolo_volume:Complex materials in Physics and Biology/curatori_volume:Mallamace, F; Stanley, EH/editore:

/anno:2012

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

Villari, V; Micali, N; Triolo, A/subject:micelles

Complex Materials in Physics and Biology, edited by F. Mallamace and H.E. Stanley, pp. 347–360. Bologna: SIF Edizioni Scientifiche, 2012

<urn:isbn:978-1-61499-070-3>

info:cnr-pdr/source/autori:Villari, V; Micali, N; Triolo, A/titolo:Evidence of a finite screening length of the repulsive potential among copolymer micelles in a room temperature ionic liquid/titolo_volume:Complex Materials in Physics and Biology/curatori_volume:F. Mallamace and H.E. Stanley/editore:

/anno:2012

7)-Space resolved relaxation dynamics of poly(vinyl acetate) close to interfaces with SiO_x nanoinclusions

M. Labardi; D. Prevosto; H.K. Nguyen; M. Lucchesi; E. Fanizza; N. Depalo; M. Striccoli
6th International Conference on Times of Polymers (TOP) and Composites, pp. 217, Ischia (NA)
Italy, 10/06/2012

<https://dx.doi.org/10.1063/1.4738448>

info:cnr-pdr/source/autori:M. Labardi, D. Prevosto, H.K. Nguyen, M. Lucchesi, E. Fanizza, N. Depalo, M. Striccoli/congresso_nome:6th International Conference on Times of Polymers (TOP) and Composites/congresso_luogo:Ischia (NA) Italy/congresso_data:10/06/2012/anno:2012/pagina_da:217/pagina_a:/intervallo_pagine:217

8)-Response Function Theory Computational Approaches to Linear and Non-Linear Optical Spectroscopy

Rizzo, A; Coriani, S; Ruud, K

Computational Strategies for Spectroscopy: from Small Molecules to Nano Systems, pp. 77–135.
Hoboken: John Wiley & Sons, Inc., 2012

<http://eu.wiley.com/WileyCDA/WileyTitle/productCd-0470470178.html>

info:cnr-pdr/source/autori:Rizzo, A; Coriani, S; Ruud, K/titolo:Response Function Theory Computational Approaches to Linear and Non-Linear Optical Spectroscopy/titolo_volume:Computational Strategies for Spectroscopy: from Small Molecules to Nano Systems/curatori_volume:/editore:

/anno:2012

9)-Molecular electric, magnetic and optical properties

Jaszunski, M; Rizzo, A; Ruud, K

Handbook of Computational Chemistry, pp. 361–441. DORDRECHT: SPRINGER, 2012

<http://www.springer.com/chemistry/book/978-94-007-0711-5>

info:cnr-pdr/source/autori:Jaszunski, M; Rizzo, A; Ruud, K/titolo:Molecular electric, magnetic and optical properties/titolo_volume:Handbook of Computational Chemistry/curatori_volume:/editore:

/anno:2012

10)-Competition Between Crystallization and Vitrification of the Rigid Amorphous Fraction in Poly(3-Hydroxybutyrate)

Di Lorenzo M.L.; Righetti M.C.; Gazzano M.

6th International Conference on Times of Polymers (TOP) and Composites, pp. 36–38, Ischia, ITALY, JUN 10-14, 2012

<https://dx.doi.org/10.1063/1.4738390>

info:cnr-pdr/source/autori:Di Lorenzo M.L., Righetti M.C., Gazzano M./congresso_nome:6th International Conference on Times of Polymers (TOP) and Composites/congresso_luogo:Ischia, ITALY/congresso_data:JUN 10-14, 2012/anno:2012/pagina_da:36/pagina_a:38/intervallo_pagine:36–38

11)-Chiral Self-assembled Solid Microspheres

CIPPARRONE G; HERNANDEZ RJ; MAZZULLA A

13th International Symposium on Colloidal and Molecular Electrooptics, ELOPTO 2012, Gent (Belgio), Settembre, 2012

<http://www.cnr.it/prodotto/i/192567>

info:cnr-pdr/source/autori:CIPPARRONE G, HERNANDEZ RJ, MAZZULLA A/congresso_nome:13th International Symposium on Colloidal and Molecular Electrooptics, ELOPTO 2012/congresso_luogo:Gent (Belgio)/congresso_data:Settembre, 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

12)-Self-organized chiral microspheres

MAZZULLA A; CIPPARRONE G; HERNANDEZ RJ; BARTOLINO R

1st Italia-Brazilian Workshop on Liquid Crystals, Erice (TP), 26-30 Agosto 2012

<http://www.cnr.it/prodotto/i/192571>

info:cnr-pdr/source/autori:MAZZULLA A, CIPPARRONE G, HERNANDEZ RJ, BARTOLINO R/congresso_nome:1st Italia-Brazilian Workshop on Liquid Crystals/congresso_luogo:Erice (TP)/congresso_data:26-30 Agosto 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

13)-Chiral Self-assembled Solid Microspheres: optical control and photonics applications

CIPPARRONE G; MAZZULLA A; HERNANDEZ RJ; BARTOLINO R

Istitute for Chemical-Physical Processes - General Meeting 2012, Cetraro (CS), 21-23 Maggio 2012

<http://www.cnr.it/prodotto/i/192573>

info:cnr-pdr/source/autori:CIPPARRONE G, MAZZULLA A, HERNANDEZ RJ, BARTOLINO R/congresso_nome:Istitute for Chemical-Physical Processes - General Meeting 2012/congresso_luogo:Cetraro (CS)/congresso_data:21-23 Maggio 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

14)-Oxidation of Glycogen by Periodate to Functional "Molecular Nanoparticles

M. Bertoldo; G. Zampano; S. Bronco; F. Ciardelli

European Materials Research Society Fall Meeting, Varsavia, September 17-21

<http://www.cnr.it/prodotto/i/192629>

info:cnr-pdr/source/autori:M. Bertoldo, G. Zampano, S. Bronco, F. Ciardelli/congresso_nome:European Materials Research Society Fall Meeting/congresso_luogo:Varsavia/congresso_data:September 17-21/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

15)-Adsorption and diffusion of adatoms and small clusters on metal oxide surfaces

Ferrando R.; Fortunelli A.

edited by Ghenadii Korotcenko. New York: Momentum Press, 2012

<http://www.cnr.it/prodotto/i/192943>

info:cnr-pdr/source/autori:Ferrando R., Fortunelli A./titolo:Adsorption and diffusion of adatoms and small clusters on metal oxide surfaces/titolo_volume:/curatori_volume:Ghenadii Korotcenko/editore:

/anno:2012

16)-Alignment of chromonic liquid crystals, a difficult task

F.Ciuchi; C.M.Tone; M.P.De Santo; M.G.Buonomenna; G.Golemme

Ist Italian-Brazilian workshop on Liquid Crystals ,, E.Majorana Centre for Scientific culture Erice, 26-30 August 2012

<http://www.cnr.it/prodotto/i/193093>

info:cnr-pdr/source/autori:F.Ciuchi, C.M.Tone, M.P.De Santo, M.G.Buonomenna, G.Golemme/congresso_nome:Ist Italian-Brazilian workshop on Liquid Crystals

./congresso_luogo:E.Majorana Centre for Scientific culture Erice/congresso_data:26-30 August 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

17)-Topological textural transition in nematics

Hamdi; R.; Barberi; R.; Lombardo G.; Caldera T.; Cosenza F.; Pucci G

24th International Liquid Crystal Conference 2012, Mainz Germany, August 19th - 24th 2012

<http://www.cnr.it/prodotto/i/193097>

info:cnr-pdr/source/autori:Hamdi, R., Barberi, R., Lombardo G., Caldera T., Cosenza F., Pucci G/congresso_nome:24th International Liquid Crystal Conference 2012/congresso_luogo:Mainz Germany/congresso_data:August 19th - 24th 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

18)-Periodic lattices of frustrated focal conic defect domains in smectic liquid crystal films

Zappone B.; Meyer C.; Bruno L.; Lacaze E

24th International Liquid Crystal Conference 2012, Mainz Germany, 26-30 August 2012

<http://www.cnr.it/prodotto/i/193104>

info:cnr-pdr/source/autori:Zappone B., Meyer C., Bruno L., Lacaze E/congresso_nome:24th International Liquid Crystal Conference 2012/congresso_luogo:Mainz Germany/congresso_data:26-30 August 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

19)-Nanomechanical measurements of confinement-induced structural transitions in a nematic liquid crystal subject to hybrid anchoring conditions

Zappone B.; Ruths M.

24th International Liquid Crystal Conference 2012, Mainz Germany, 26-30 August 2012

<http://www.cnr.it/prodotto/i/193108>

info:cnr-pdr/source/autori:Zappone B., Ruths M./congresso_nome:24th International Liquid Crystal Conference 2012/congresso_luogo:Mainz Germany/congresso_data:26-30 August 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

20)-A matrix of unidirectionally oriented smectic defects forces linear self-assembly of nanoparticles

Coursault D.; Grand J.; Donnio; B.; Olesiak-Banska J.; Zappone B.; Félidj N.; Gallani J. L.; Matczyszyn K.; Lacaze; E

24th International Liquid Crystal Conference 2012, Mainz Germany, 26-30 August 2012

<http://www.cnr.it/prodotto/i/193112>

info:cnr-pdr/source/autori:Coursault D., Grand J.,Donnio, B., Olesiak-Banska J., Zappone B.,Félidj N., Gallani J. L., Matczyszyn K., Lacaze, E/congresso_nome:24th International

Liquid Crystal Conference 2012/congresso_luogo:Mainz Germany/congresso_data:26-30 August 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

21)-Variations of the eye's image optical quality and the sampling limit of resolution of the cone mosaic with axial length

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

ARVO 2012, Ft. Lauderdale, Fl - USA, 6-10 Maggio 2012

<http://www.cnr.it/prodotto/i/193120>

info:cnr-pdr/source/autori:M. Lombardo, S. Serrao, P. Ducoli, G. Lombardo/congresso_nome:ARVO 2012/congresso_luogo:Ft. Lauderdale, Fl - USA/congresso_data:6-10 Maggio 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

22)-Thin-Film Photovoltaics 2011

Leonardo Palmisano; Vincenzo Agugliaio; Gaetano Di Marco; Mario Pagliaro
2012

<http://www.cnr.it/prodotto/i/194419>

info:cnr-pdr/source/autori:Leonardo Palmisano, Vincenzo Agugliaio, Gaetano Di Marco, Mario Pagliaro/titolo:Thin-Film Photovoltaics 2011/editore:/anno:2012

23)-Bringing Gain to Metamaterials: a Way to Selectively Compensate Absorptive Losses

De Luca A

International Conference On Metamaterials And Dissemination Workshop 2012, Jena (Ger), 2-5 Luglio 2012

<http://www.cnr.it/prodotto/i/194469>

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24)-Porous Nanostructures Formation using Polyamidoamine Dendrimers as Template

Lucio Bonaccorsi; Pietro Calandra; Edoardo Proverbio; Domenico Lombardo

Advances in Zeolite Science and Technology, pp. 57-60, Napoli, 14-17 September 2011

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

info:cnr-pdr/source/autori:Lucio Bonaccorsi, Pietro Calandra, Edoardo Proverbio, Domenico Lombardo/congresso_nome:Advances in Zeolite Science and Technology/congresso_luogo:Napoli/congresso_data:14-17 September 2011/anno:2012/pagina_da:57/pagina_a:60/intervallo_pagine:57-60

25)-Branched Polymer Nanosystems: Interaction in solution and applications

Domenico Lombardo

7th SOLEIL Users' Meeting, (Palaiseau - PARIS) France, 18-19 Gennaio 2012

<http://www.cnr.it/prodotto/i/194538>

info:cnr-pdr/source/autori:Domenico Lombardo/congresso_nome:7th SOLEIL Users' Meeting/congresso_luogo:(Palaiseau - PARIS) France/congresso_data:18-19 Gennaio 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

26)-Zeolite Nanoparticles formation using a Dendrimer Template

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

MAMA-HYBRIDS - Multifunctional Hybrids and Organics, Ischia (Napoli) Italia, 22-24 Ottobre 2012

<http://www.cnr.it/prodotto/i/194547>

info:cnr-pdr/source/autori:L. Bonaccorsi, P. Calandra, E. Proverbio and D. Lombardo/congresso_nome:MAMA-HYBRIDS - Multifunctional Hybrids and Organics/congresso_luogo:Ischia (Napoli) Italia/congresso_data:22-24 Ottobre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

27)-Dendrimer Template Directed SelfAssembly during Zeolite Formation

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

IPCF-Meeting, Cetraro, 21-23 Maggio 2012

<http://www.cnr.it/prodotto/i/194558>

info:cnr-pdr/source/autori:D. Lombardo, L. Bonaccorsi, P. Calandra, E. Proverbio/congresso_nome:IPCF-Meeting/congresso_luogo:Cetraro/congresso_data:21-23 Maggio 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

28)-Electromagnetic and light scattering XIII

Borghese; F.; Saija; R.; Gucciardi; P.G.; Antonia Iatì; M.; Maragò; O.M.

Journal of Quantitative Spectroscopy and Radiative Transfer, pp. 2277–2279, 2012

<http://www.cnr.it/prodotto/i/194564>

info:cnr-pdr/source/autori:Borghese, F., Saija, R., Gucciardi, P.G., Antonia Iatì, M., Maragò, O.M./titolo:Electromagnetic and light scattering XIII/titolo_volume:Journal of Quantitative Spectroscopy and Radiative Transfer/curatori_volume:/editore:/anno:2012

29)-Laser induced aggregation of gold nanorods for SERS biosensing in liquid environment

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

1st INTERNATIONAL CONFERENCE ON ENHANCED SPECTROSCOPY (ICES 2012), Porquerolle (France), Oct, 3-5

<http://www.cnr.it/prodotto/i/194637>

info:cnr-pdr/source/autori:B. Fazio, C. D'Andrea, E. Messina, V. Villari, N. Micali, O. M. Maragò, G. Calogero and P. G. Gucciardi/congresso_nome:1st INTERNATIONAL CONFERENCE ON ENHANCED SPECTROSCOPY (ICES 2012)/congresso_luogo:Porquerolle (France)/congresso_data:Oct, 3-5/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

30)-Laser induced aggregation of gold nanorods for SERS biosensing in liquid environment

Barbara Fazio; Cristiano D'Andrea; Valentina Villari; Norberto Micali; Onofrio Maragò; Giuseppe Calogero; Pietro Giuseppe Gucciardi

Analytix-2012, Beijing - China, March 23-25

<http://www.cnr.it/prodotto/i/194639>

info:cnr-pdr/source/autori:Barbara Fazio , Cristiano D'Andrea, Valentina Villari, Norberto Micali, Onofrio Maragò, Giuseppe Calogero and Pietro Giuseppe Gucciardi/congresso_nome:Analytix-2012/congresso_luogo:Beijing - China/congresso_data:March 23-25/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

31)-Laser induced aggregation of gold nanorods for SERS biosensing in liquid environment

Barbara Fazio; Cristiano D'Andrea; Valentina Villari; Norberto Micali; Onofrio Maragò; Giuseppe Calogero; Pietro Giuseppe Gucciardi

CNR - Institute for Chemical-Physical Processes - 1st GENERAL MEETING 2012, Cetraro (Cosenza), May, 21-23

<http://www.cnr.it/prodotto/i/194641>

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32)-The Magnus force effect in optical micromanipulation

R.J. Hernández; P. Pagliusi; C. Provenzano; G. Cipparrone

ELOPTO 2012, Gent (Belgio), Settembre, 2012

<http://www.cnr.it/prodotto/i/194840>

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33)-Efficienza fotocatalitica di sub-strati di TiO₂ permanentemente densificato

Carini G. Jr; Di Marco G.; Tripodo G.; Edi Gilioli

XCVIII Congresso Nazionale, Società Italiana di Fisica, Napoli, 17-21 Settembre 2012

<http://www.cnr.it/prodotto/i/194933>

info:cnr-pdr/source/autori:Carini G. Jr , Di Marco G., Tripodo G., Edi Gilioli/congresso_nome:XCVIII Congresso Nazionale, Società Italiana di Fisica/congresso_luogo:Napoli/congresso_data:17-21 Settembre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

34)-Low-energy vibration excess in densified B2O3 glasses

Giovanni Carini Jr; Gaspare Tripodo; Giovanna D'Angelo; Gaetano Di Marco; Edmondo Gilioli³; Cirino Vasi

XCVIII Congresso Nazionale, Società Italiana di Fisica, Napoli, 17-21 Settembre

<http://www.cnr.it/prodotto/i/194934>

info:cnr-pdr/source/autori:Giovanni Carini Jr, Gaspare Tripodo, Giovanna D'Angelo, Gaetano Di Marco, Edmondo Gilioli³, Cirino Vasi/congresso_nome:XCVIII Congresso Nazionale, Società Italiana di Fisica/congresso_luogo:Napoli/congresso_data:17-21 Settembre/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

35)-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

Workshop on Carbon-based low-dimensional Materials, Catania, 5-7 December 2011

<urn:isbn:978-88-8080-124-5>

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36)-Shaping of the trapping volume in optical tweezers using cylindrical vector beams

S.E. Skelton; M. Sergides; M.G. Donato; S. Vasi; R. Sayed; P.G. Gucciardi; R. Saija; M.A. Iatì; O.M. Marago; P.H. Jones

SPIE, 2012

<https://dx.doi.org/10.1117/12.929927>

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37)-Optical trapping of nanostructures

O.M. Maragò; M.G. Donato; A. Irrera; B. Fazio; P.G. Gucciardi; M.A. Iatì; C. D'Andrea; M. Monaca; E. Messina; R. Sayed; S. Vasi; R. Saija; S. Savasta

XCVIII Congresso Nazionale della Società Italiana di Fisica, Napoli, 17-21 Settembre 2012

<http://www.cnr.it/prodotto/i/196047>

info:cnr-pdr/source/autori:O.M. Maragò, M.G. Donato, A. Irrera, B. Fazio, P.G. Gucciardi, M.A. Iatì, C. D'Andrea, M. Monaca, E. Messina, R. Sayed, S. Vasi, R. Saija, S. Savasta/congresso_nome:XCVIII Congresso Nazionale della Società Italiana di Fisica/congresso_luogo:Napoli/congresso_data:17-21 Settembre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

38)-Intracavity optical trapping with feedback-locked diode lasers

R. Sayed; Y. Tuna; M. G. Donato; P. G. Gucciardi; G. Volpe; O. M. Maragò
International OSA Network of Students 2012 (IONS-12), Napoli, 4-7 Luglio 2012
<http://www.cnr.it/prodotto/i/196048>

info:cnr-pdr/source/autori:R. Sayed, Y. Tuna, M. G. Donato, P. G. Gucciardi, G. Volpe, O. M. Maragò/congresso_nome:International OSA Network of Students 2012 (IONS-12)/congresso_luogo:Napoli/congresso_data:4-7 Luglio 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

39)-Optical Trapping of Carbon Nanotubes and Femtonewton Force Sensing

S. Vasi; M. Monaca; R. Sayed; M.G. Donato; P.G. Gucciardi; O. M. Maragò
International OSA Network of Students 2012 (IONS-12), Napoli, 4-7 Luglio 2012
<http://www.cnr.it/prodotto/i/196051>

info:cnr-pdr/source/autori:S. Vasi, M. Monaca, R. Sayed, M.G. Donato, P.G. Gucciardi, O. M. Maragò/congresso_nome:International OSA Network of Students 2012 (IONS-12)/congresso_luogo:Napoli/congresso_data:4-7 Luglio 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

40)-Optical Feedback Radiation Forces: Intracavity Optical Trapping with Feedback-locked Diode Lasers

Y. Tuna; R. Sayed; M.G. Donato; P.G. Gucciardi; O. Maragò; G. Volpe
Frontiers in Optics 2012- Laser Science XXVIII (FiO/LS 2012), Rochester, New York (USA), 14-18 Ottobre 2012
<http://www.cnr.it/prodotto/i/196056>

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41)-Development of new PLA-based biodegradable compounds

Francesca Signori; Alessia Boggioni; Francesco Ciardelli; Simona Bronco
subjectPoly(lactic acid)subjectreactive extrusionssubjectcross-linkingsubjectbiodegradable polyesters
6TH INTERNATIONAL CONFERENCE ON TIMES OF POLYMERS (TOP) AND COMPOSITES, pp. 30–32, Ischia (Italy), 10-14 June 2012

<https://dx.doi.org/10.1063/1.4738388>

info:cnr-pdr/source/autori:Francesca Signori, Alessia Boggioni, Francesco Ciardelli, Simona Bronco/congresso_nome:6TH INTERNATIONAL CONFERENCE ON TIMES OF POLYMERS (TOP) AND COMPOSITES/congresso_luogo:Ischia (Italy)/congresso_data:10-14 June 2012/anno:2012/pagina_da:30/pagina_a:32/intervallo_pagine:30-32

42)-The Lattice Boltzmann method as a general framework for blood flow modeling and simulations

S. MELCHIONNA; G. Pontrelli; M. Bernaschi; M. Bisson; I. Halliday; T.J. Spencer; S. Succi
Nano and Micro Flow Systems for Bioanalysis, 2012

<http://www.cnr.it/prodotto/i/196322>

info:cnr-pdr/source/autori:S. MELCHIONNA, G. Pontrelli, M. Bernaschi, M. Bisson, I. Halliday, T.J. Spencer, S. Succi/titolo:The Lattice Boltzmann method as a general framework for blood flow modeling and simulations/titolo_volume:Nano and Micro Flow Systems for Bioanalysis/curatori_volume:/editore:/anno:2012

43)-Large-scale simulations of blood flow with coarse-grained cells

S. MELCHIONNA

Hierarchical methods for dynamics of complex molecular systems, 2012

<http://www.cnr.it/prodotto/i/196323>

info:cnr-pdr/source/autori:S. MELCHIONNA/titolo:Large-scale simulations of blood flow with coarse-grained cells/titolo_volume:Hierarchical methods for dynamics of complex molecular systems/curatori_volume:/editore:/anno:2012

44)-The Lattice Boltzmann method and multiscale hemodynamics: recent advances and perspectives

G. Pontrelli; I. Halliday; S. Melchionna; T.J. Spencer; S. Succi

MathMod Conference Proceedings, 2012

<http://www.cnr.it/prodotto/i/196325>

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45)-Quantitative mapping of Carbon, Oxygen and Nitrogen in cells by x-ray fluorescence, x-ray transmission and atomic force microscopies

Lagomarsino S

11th International Conference on X-ray Microscopy, Shanghai, China, 5 al 10 Agosto 2012

<http://www.cnr.it/prodotto/i/196326>

info:cnr-pdr/source/autori:Lagomarsino S/congresso_nome:11th International Conference on X-ray Microscopy/congresso_luogo:Shanghai, China/congresso_data:5 al 10 Agosto 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

46)-Periodically structured x-ray waveguides

Lagomarsino S

11th International Conference on X-ray Microscopy, Shanghai, China, dal 5 al 10 Agosto 2012

<http://www.cnr.it/prodotto/i/196328>

info:cnr-pdr/source/autori:Lagomarsino S/congresso_nome:11th International Conference on X-ray Microscopy/congresso_luogo:Shanghai, China/congresso_data:dal 5 al 10 Agosto 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

47)-Monomodal periodically structured x-ray waveguide for coherent imaging and diffraction

Lagomarsino S

11th Biennial Conference on High Resolution X-Ray Diffraction and Imaging, S. Pietroburgo (Russia), dal 15 al 20 settembre 2012

<http://www.cnr.it/prodotto/i/196329>

info:cnr-pdr/source/autori:Lagomarsino S/congresso_nome:11th Biennial Conference on High Resolution X-Ray Diffraction and Imaging/congresso_luogo:S. Pietroburgo (Russia)/congresso_data:dal 15 al 20 settembre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

48)-Waveguide interferometry for the coherence characterization of hard x-ray laboratory source

Lagomarsino S

11th Biennial Conference on High Resolution X-Ray Diffraction and Imaging, S. Pietroburgo (Russia), al 15 al 20 settembre 2012

<http://www.cnr.it/prodotto/i/196330>

info:cnr-pdr/source/autori:Lagomarsino S/congresso_nome:11th Biennial Conference on High Resolution X-Ray Diffraction and Imaging/congresso_luogo:S. Pietroburgo (Russia)/congresso_data:al 15 al 20 settembre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

49)-CONFOCAL DEPOLARIZED DYNAMIC LIGHT SCATTERING

Potenza, MAC (Potenza, Marco A. C.)¹; Sanvito, T (Sanvito, Tiziano)¹; Degiorgio, V (Degiorgio, Vittorio)²; Giglio, M (Giglio, Marzio)¹

KINETICS AND THERMODYNAMICS OF MULTISTEP NUCLEATION AND SELF-ASSEMBLY IN NANOSCALE MATERIALS: ADVANCES IN CHEMICAL PHYSICS,, edited by Nicolis, G; Maes, D, pp. 61–78. MALDEN 02148,MA: WILEY-BLACKWELL, 2012

<https://dx.doi.org/10.1002/978-1-118-30951-3>

info:cnr-pdr/source/autori:Potenza, MAC (Potenza, Marco A. C.)1; Sanvito, T (Sanvito, Tiziano)1; Degiorgio, V (Degiorgio, Vittorio)2; Giglio, M (Giglio, Marzio)1/titolo:CONFOCAL DEPOLARIZED DYNAMIC LIGHT SCATTERING/titolo_volume:KINETICS AND THERMODYNAMICS OF MULTISTEP NUCLEATION AND SELF-ASSEMBLY IN NANOSCALE MATERIALS: ADVANCES IN CHEMICAL PHYSICS,/curatori_volume:Nicolis, G; Maes, D/editore:

/anno:2012

50)-Scale-Free optics

Claudio Conti; Eugenio Del Re

Nonlinear Photonics and Novel Optical Phenomena, edited by Zhigang Chen and Roberto Morandotti (eds.), pp. 207–230, 2012

https://dx.doi.org/10.1007/978-1-4614-3538-9_8

info:cnr-pdr/source/autori:Claudio Conti, Eugenio Del Re/titolo:Scale-Free optics/titolo_volume:Nonlinear Photonics and Novel Optical Phenomena/curatori_volume:Zhigang Chen and Roberto Morandotti (eds.)/editore:/anno:2012

51)-Singular particle distributions associated with a steady state, asymmetric virtual cathode in the collision-less sheath facing a Langmuir plasma probe

NOCERA L; PALUMBO L Jsubjectplasma kineticssubjectVlasov equationssubjectsheathssubjectvirtual cathodesubjectplasma probes

First IPCF General Meeting, Cetraro, 23-25/05/2012

<http://www.cnr.it/prodotto/i/196951>

info:cnr-pdr/source/autori:NOCERA L; PALUMBO L J/congresso_nome:First IPCF General Meeting/congresso_luogo:Cetraro/congresso_data:23-25/05/2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

52)-Ultrathin polymer films: Interfacial and annealing dependence of confinement effects

Daniele Prevosto; Hung K. Nguyen; Massimiliano Labardi; Simone Capaccioli; Mauro Lucchesi; Pierangelo Rollasubjectultrathin filmssubjectrelaxation dynamicssubjectinterfacial propertiessubjectadsorbed layer

6TH INTERNATIONAL CONFERENCE ON TIMES OF POLYMERS (TOP) AND COMPOSITES, pp. 58–60, Ischia, 10-14 giugno 2012

<https://dx.doi.org/10.1063/1.4738397>

info:cnr-pdr/source/autori:Daniele Prevosto, Hung K. Nguyen, Massimiliano Labardi, Simone Capaccioli, Mauro Lucchesi, Pierangelo Rolla/congresso_nome:6TH INTERNATIONAL

CONFERENCE ON TIMES OF POLYMERS (TOP) AND COMPOSITES/congresso_luogo:Ischia/congresso_data:10-14 giugno 2012/anno:2012/pagina_da:58/pagina_a:60/intervallo_pagine:58-60

53)-Temperature dependence of structural relaxation time in drawn polymers: Which is the role of cooperativity?

F. Hamonic; A. Saiter; D. Prevosto; E. Dargent; J. M. Saiter subject semicrystalline polymers subject drawings subject cooperative rearranging regions subject dielectric relaxation.

6TH INTERNATIONAL CONFERENCE ON TIMES OF POLYMERS (TOP) AND COMPOSITES, pp. 211-213, Ischia, 10-14 giugno 2012

<https://dx.doi.org/10.1063/1.4738446>

info:cnr-pdr/source/autori:F. Hamonic, A. Saiter, D. Prevosto, E. Dargent, J. M. Saiter/congresso_nome:6TH INTERNATIONAL CONFERENCE ON TIMES OF POLYMERS (TOP) AND COMPOSITES/congresso_luogo:Ischia/congresso_data:10-14 giugno 2012/anno:2012/pagina_da:211/pagina_a:213/intervallo_pagine:211-213

54)-Si nanowires as light emitting devices at room temperature and their manipulation by optical tweezers

P. Artoni¹; A. Irrera; F. Iacona; G. Franzò; S. Boninelli; E. F. Pecora; M. Galli; B. Fazio; P. Gucciardi; O. Maragò; F. Priolo

Submitted to symposium N : Control of light at the nanoscale: materials, techniques and applications of the E-MRS 2012 Spring Meeting., Strasburgo, 2012

<http://www.cnr.it/prodotto/i/197361>

info:cnr-pdr/source/autori:P. Artoni¹, A. Irrera, F. Iacona, G. Franzò, S. Boninelli, E. F. Pecora, M. Galli, B. Fazio, P. Gucciardi, O. Maragò, F. Priolo/congresso_nome:Submitted to symposium N : Control of light at the nanoscale: materials, techniques and applications of the E-MRS 2012 Spring Meeting,/congresso_luogo:Strasburgo/congresso_data:2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

55)-Size-Scaling in Optical Trapping of Silicon Nanowires

Alessia Irrera¹; Pietro Artoni^{2, 3}; Rosalba Saija⁴; Pietro G. Gucciardi¹; Maria Antonia Iatì¹; Ferdinando Borghese⁴; Paolo Denti⁴; Fabio Iacona²; Francesco Priolo^{2, 3}; Onofrio M. Marago¹

symposium N : Control of light at the nanoscale: materials, techniques and applications of the E-MRS 2012 Spring Meeting, 2012

<http://www.cnr.it/prodotto/i/197363>

info:cnr-pdr/source/autori:Alessia Irrera¹, Pietro Artoni^{2,3}, Rosalba Saija⁴, Pietro G. Gucciardi¹, Maria Antonia Iatì¹, Ferdinando Borghese⁴, Paolo Denti⁴, Fabio Iacona², Francesco Priolo^{2,3}, and Onofrio M. Marago¹/congresso_nome:symposium N : Control of light at the nanoscale: materials, techniques and applications of the E-MRS 2012 Spring

Meeting/congresso_luogo:/congresso_data:2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

56)-Optical Trapping of Nanostructures

O. M. Marago'; M. G. Donato; A. Irrera; B. Fazio; P. G. Gucciardi; M. A. Iatì; G. Calogero; C. D'Andrea; E. Messina; M. Monaca; R. Sayed; S. Vasi; F. Bonaccorso; A. C. Ferrari; P. H. Jones; R. Saija S. Savasta

XCVIII Congresso Nazionale della SIF, Napoli, 17-21 Settembre 2012

<http://www.cnr.it/prodotto/i/198309>

info:cnr-pdr/source/autori:O. M. Marago', M. G. Donato, A. Irrera, B. Fazio, P. G. Gucciardi, M. A. Iatì, G. Calogero, C. D'Andrea, E. Messina, M. Monaca, R. Sayed, S. Vasi, F. Bonaccorso, A. C. Ferrari, P. H. Jones, R. Saija S. Savasta/congresso_nome:XCVIII Congresso Nazionale della SIF/congresso_luogo:Napoli/congresso_data:17-21 Settembre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

57)-Optical Trapping of Nanostructures: Femtonewton Force Sensing and Ultra-Sensitive Spectroscopy

O. M. Marago'

NanoSpain2012, Santander, Spagna, 27 Feb-1 Mar 2012

<http://www.cnr.it/prodotto/i/198310>

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

M.

Marago'/congresso_nome:NanoSpain2012/congresso_luogo:Santander,

Spagna/congresso_data:27 Feb-1 Mar 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

58)-Optical squeezing of microbubbles: Ray optics and Mie scattering calculations

Skelton S.E.; Sergides M.; Memoli G.; Maragó O.M.; Jones P.H.

Optical Trapping and Optical Micromanipulation IX, San Diego, Aug 2012

<https://dx.doi.org/10.1117/12.929900>

info:cnr-pdr/source/autori:Skelton S.E., Sergides M., Memoli G., Maragó O.M., Jones P.H./congresso_nome:Optical Trapping and Optical Micromanipulation IX/congresso_luogo:San Diego/congresso_data:Aug 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

59)-Optically bound particle structures in evanescent wave traps

Sergides M.; Skelton S.E.; Karczewska E.; Thorneycroft K.; Marago' O.M.; Jones P.H.

Optical Trapping and Optical Micromanipulation IX, San Diego, Aug 2012

<https://dx.doi.org/10.1117/12.929612>

info:cnr-pdr/source/autori:Sergides M., Skelton S.E., Karczewska E., Thorneycroft K., Marago' O.M., Jones P.H./congresso_nome:Optical Trapping and Optical Micromanipulation

60)-Near-field and far-field optical properties of metal nanoparticles in the T-matrix approach

Iati' M.A., Cacciola A., Saija R., Denti P., Borghese F.; Marago' O.M.; Gucciardi P.G.
1st INTERNATIONAL CONFERENCE ON ENHANCED SPECTROSCOPY, ICES 2012, Porquerolles Island, French Riviera, 3-5 Oct. 2012
<http://www.cnr.it/prodotto/i/198319>

info:cnr-pdr/source/autori:Iati' M.A., Cacciola A., Saija R., Denti P., Borghese F.; Marago' O.M.; Gucciardi P.G./congresso_nome:1st INTERNATIONAL CONFERENCE ON ENHANCED SPECTROSCOPY, ICES 2012/congresso_luogo:Porquerolles Island, French Riviera/congresso_data:3-5 Oct. 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

61)-Near-field and far-field optical properties of metal nanoparticles in the T-matrix approach

Iati' M.A.; Cacciola A.; Saija R.; Marago' O.M.; Gucciardi P.G.
XCVIII Congresso Nazionale della SIF, Napoli, 17-21 settembre 2012
<http://www.cnr.it/prodotto/i/198320>

info:cnr-pdr/source/autori:Iati' M.A.; Cacciola A.; Saija R.; Marago' O.M.; Gucciardi P.G./congresso_nome:XCVIII Congresso Nazionale della SIF/congresso_luogo:Napoli/congresso_data:17-21 settembre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

62)-Catalytic Wet Air Oxidation over carbon based catalysts

A. R. Shahul Hameed; E. Piperopoulos; S. Santangelo; M. Lanza; S. Galvagno; C. Milone
15th ICC 2012, Monaco, 1-6 Luglio 2012
<http://www.cnr.it/prodotto/i/199443>

info:cnr-pdr/source/autori:A. R. Shahul Hameed, E. Piperopoulos, S. Santangelo, M. Lanza, S. Galvagno, C. Milone/congresso_nome:15th ICC 2012/congresso_luogo:Monaco/congresso_data:1-6 Luglio 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

63)-Role of Mg_{1-x}FexO phase in the growth of CNTs by Catalytic Chemical Vapor Deposition

E. Piperopoulos; S. Santangelo; M. Lanza; G. Faggio; G. Messina; A. Pistone; S. Galvagno; C. Milone
15th ICC 2012, Monaco, 1-6 Luglio 2012
<http://www.cnr.it/prodotto/i/199444>

info:cnr-pdr/source/autori:E. Piperopoulos, S. Santangelo, M. Lanza, G. Faggio, G. Messina, A. Pistone, S. Galvagno, C. Milone/congresso_nome:15th ICC
2012/congresso_luogo:Monaco/congresso_data:1-6 Luglio
2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

64)-Taguchi-optimised catalytic growth of carbon nanotubes for electro-catalysis applications

S. Santangelo; E. Piperopoulos; G. Faggio; M. Lanza; G. Messina; S. Galvagno; C. Milone
CarboCat V, Bressanone (Brixen), 28-30 giugno 2012

<http://www.cnr.it/prodotto/i/199447>

info:cnr-pdr/source/autori:S. Santangelo, E. Piperopoulos, G. Faggio, M. Lanza, G. Messina, S. Galvagno, C. Milone/congresso_nome:CarboCat V/congresso_luogo:Bressanone
(Brixen)/congresso_data:28-30 giugno
2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

65)-CNT synthesis over bimetallic supported catalysts: influence of carbon source

E. Piperopoulos; M. Lanza; A. Pistone; S. Santangelo; S. Galvagno; C. Milone
CarboCat V, Bressanone (Brixen), 28-30 giugno 2012

<http://www.cnr.it/prodotto/i/199449>

info:cnr-pdr/source/autori:E. Piperopoulos, M. Lanza, A. Pistone, S. Santangelo, S. Galvagno, C. Milone/congresso_nome:CarboCat V/congresso_luogo:Bressanone
(Brixen)/congresso_data:28-30 giugno
2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

66)-Functionalization of Carbon Nanotubes under dry and wet conditions

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

VIII Convegno AICIng 2012, Aci Castello (CT), 16-19 Settembre 2012

<http://www.cnr.it/prodotto/i/199453>

info:cnr-pdr/source/autori:C. Milone, F. Venuti, S. Ansari, E. Piperopoulos, M. Lanza, A. Pistone, S. Galvagno, S. Santangelo/congresso_nome:VIII Convegno AICIng
2012/congresso_luogo:Aci Castello (CT)/congresso_data:16-19 Settembre
2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

67)-DOE Method for the Tuning of Carbon Nanomaterial Properties

S. Santangelo; E. Piperopoulos; M. Lanza; G. Messina; G. Faggio; S. Galvagno; C. Milone
VIII Convegno AICIng 2012, Aci Castello (CT), 16-19 Settembre 2012

<http://www.cnr.it/prodotto/i/199455>

info:cnr-pdr/source/autori:S. Santangelo, E. Piperopoulos, M. Lanza, G. Messina, G. Faggio, S. Galvagno, C. Milone/congresso_nome:VIII Convegno AICIng 2012/congresso_luogo:Aci

68)-Driving and dissipation of the turbulent cascade in the solar wind

Sorriso-Valvo L

Workshop on Microphysics of Cosmic Plasmas, Berna (Svizzera), 2012

<http://www.cnr.it/prodotto/i/201537>

info:cnr-pdr/source/autori:Sorriso-Valvo L/congresso_nome:Workshop on Microphysics of Cosmic Plasmas/congresso_luogo:Berna (Svizzera)/congresso_data:2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

69)-Anisotropy of Spatiotemporal Decorrelation in Electrohydrodynamic Turbulence

Sorriso-Valvo L

IPCF-CNR General Meeting 2012, 2012

<http://www.cnr.it/prodotto/i/201539>

info:cnr-pdr/source/autori:Sorriso-Valvo L/congresso_nome:IPCF-CNR General Meeting 2012/congresso_luogo:/congresso_data:2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

70)-Radial evolution of intermittency of density fluctuations

Sorriso-Valvo L

Workshop on Turbulent cascade in the solar wind: anisotropy and dissipation, 2012

<http://www.cnr.it/prodotto/i/201541>

info:cnr-pdr/source/autori:Sorriso-Valvo L/congresso_nome:Workshop on Turbulent cascade in the solar wind: anisotropy and dissipation/congresso_luogo:/congresso_data:2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

71)-Self-consistent probability distribution functions of turbulent fluctuations in the solar wind

Sorriso-Valvo L.; Marino R.; Lijoi L.; Perri S.

AGU Fall Meeting, 2012

<http://www.cnr.it/prodotto/i/201616>

info:cnr-pdr/source/autori:Sorriso-Valvo L., Marino R., Lijoi L., Perri S./congresso_nome:AGU Fall Meeting/congresso_luogo:/congresso_data:2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

72)-Energy cascade and phase-synchronization in the solar wind turbulence

Perri S.; Vecchio A.; Carbone V.; Bruno R.; Korth H.; Zurbuchen T.; Sorriso-Valvo L
AGU Fall Meeting, 2012

<http://www.cnr.it/prodotto/i/201617>

info:cnr-pdr/source/autori:Perri S., Vecchio A., Carbone V., Bruno R., Korth H., Zurbuchen T., Sorriso-Valvo L/congresso_nome:AGU Fall Meeting/congresso_luogo:/congresso_data:2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

73)-Wavelength-insensitive negative optical permittivity without nanofabrication in transparent nonlinear dipolar glasses

Eugenio DelRe (1); Jacopo Parravicini (1); Gianbattista Parravicini (2); Aharon J. Agranat (3); Claudio Conti (4)subjectDipolar glasssubjectNegative permittivitysubjectOptical permittivitysubjectPhoto-refractive subjectTemperature swings

Conference on Lasers and Electro-Optics (CLEO), pp. art_n_6326989, San Jose, CA, 6-11 May, 2012

<https://dx.doi.org/10.1364/QELS.2012.QTh3E.4>

info:cnr-pdr/source/autori:Eugenio DelRe (1); Jacopo Parravicini (1); Gianbattista Parravicini (2); Aharon J. Agranat (3);

Claudio Conti (4)/congresso_nome:Conference on Lasers and Electro-Optics (CLEO)/congresso_luogo:San Jose, CA/congresso_data:6-11 May, 2012/anno:2012/pagina_da:art_n_6326989/pagina_a:/intervallo_pagine:art_n_6326989

74)-Collaborazione Congiunta CNR-ICFO

Giuseppe Lombardo; Marco Lombardo; Pablo Loza Alvarez
2012

<http://www.cnr.it/prodotto/i/213535>

75)-Formation and propagation of shock waves in nonlocal media

Neda Ghofraniha (1); Luigi Amato Santamaria (2); Viola Folli (2); Claudio Conti (3,2); Eugenio DelRe (3,1)

Specialty Optical Fibers (SOF) / Bragg Gratings, Photosensitivity, and Poling in Glass Waveguides (BGPP) / Integrated Photonics Research, Silicon and Nanophotonics (IPRSN) / Signal Processing in Photonic Communications (SPPCom), pp. paper_JM5A.44, Colorado Springs, Colorado United States, June 17-21, 2012

<https://dx.doi.org/10.1364/ANIC.2012.JM5A.44>

info:cnr-pdr/source/autori:Neda Ghofraniha (1); Luigi Amato Santamaria (2); Viola Folli (2); Claudio Conti (3,2); Eugenio DelRe (3,1)/congresso_nome:Specialty Optical Fibers (SOF) / Bragg Gratings, Photosensitivity, and Poling in Glass Waveguides (BGPP) / Integrated Photonics Research, Silicon and Nanophotonics (IPRSN) / Signal Processing in Photonic Communications (SPPCom)/congresso_luogo:Colorado Springs, Colorado United

76)-Atomic Force Spectroscopies: A Toolbox for Probing the Biological Matter

Michele Giocondo¹; Said Houmadi¹; Emanuela Bruno^{1, 2}; Maria P. De Santo^{1, 2}; Luca De Stefano³; Emmanuelle Lacaze⁴; Sara Longobardi⁵; Paola Giardina⁵.

Atomic Force Microscopy Investigations into Biology - From Cell to Protein, edited by Christopher L. Frewin, pp. 3–28. Rijeka: InTech Open Science/Open Minds, 2012

<https://dx.doi.org/10.5772/37622>

info:cnr-pdr/source/autori:Michele Giocondo¹, Said Houmadi¹, Emanuela Bruno^{1,2}, Maria P. De Santo^{1,2}, Luca De Stefano³, Emmanuelle Lacaze⁴, Sara Longobardi⁵ and Paola Giardina⁵./titolo:Atomic Force Spectroscopies: A Toolbox for Probing the Biological Matter/titolo_volume:Atomic Force Microscopy Investigations into Biology - From Cell to Protein/curatori_volume:Christopher L. Frewin/editore:

/anno:2012

77)-Biosensors Based on Immobilization of Proteins in Supramolecular Assemblies for the Detection of Environmental Relevant Analytes

Rosa Pilolli a; Maria Daniela Angione a; Serafina Cotrone a; Maria Magliulo a; Gerardo Palazzo a; Nicola Cioffi a; Luisa Torsi a; Antonia Mallardi b.

Biosensors and environmental health, edited by Victor R. Preedy and Vinood Patel Editors; CRC Press, pp. 209–229, 2012

<http://www.cnr.it/prodotto/i/238843>

info:cnr-pdr/source/autori:Rosa Pilolli a; Maria Daniela Angione a; Serafina Cotrone a; Maria Magliulo a; Gerardo Palazzo a; Nicola Cioffi a; Luisa Torsi a; and Antonia Mallardi b./titolo:Biosensors Based on Immobilization of Proteins in Supramolecular Assemblies for the Detection of Environmental Relevant Analytes/titolo_volume:Biosensors and environmental health/curatori_volume:Victor R. Preedy and Vinood Patel Editors; CRC Press/editore:/anno:2012

78)-Artificial Photosynthetic Systems

P. Maróti; M. Trotta subject Artificial Photosynthesis

CRC Handbook of Organic Photochemistry and Photobiology 3rd Edition, edited by Axel Griesbeck, Michael Oelgemöller and Francesco Ghetti, pp. 1289–1324. Boca Raton: CRC press, 2012

<https://dx.doi.org/10.1201/b12252-56>

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/anno:2012

79)-Enhancing light harvesting capability of the photosynthetic reaction centre by a tailored molecular fluorophore

R. Tangorra; F. Milano; O. Hassan Omar; R. Ragni; A. Operamolla; A. Agostiano; G.M. Farinola; M. Trotta

Congresso Annuale Società Italiana di FotoBiologia, Padova, 14-16 giugno 2012

<http://www.cnr.it/prodotto/i/274141>

info:cnr-pdr/source/autori:R. Tangorra, F. Milano, O. Hassan Omar, R. Ragni, A. Operamolla, A. Agostiano, G.M. Farinola and M. Trotta/congresso_nome:Congresso Annuale Società Italiana di FotoBiologia/congresso_luogo:Padova/congresso_data:14-16 giugno 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

80)-A bio-organic hybrid photosynthetic complex for enhanced photoconversion

G.M. Farinola; R. Tangorra; F. Milano; O. Hassan Omar; R. Ragni; A. Operamolla; A. Agostiano; M. Trotta

ELECMOL'12: 6th International Meeting on Molecular Electronics, Grenoble (Fr), 3-7 dicembre

<http://www.cnr.it/prodotto/i/274148>

info:cnr-pdr/source/autori:G.M. Farinola, R. Tangorra, F. Milano, O. Hassan Omar, R. Ragni, A. Operamolla, A. Agostiano, M. Trotta/congresso_nome:ELECMOL'12: 6th International Meeting on Molecular Electronics/congresso_luogo:Grenoble (Fr)/congresso_data:3-7 dicembre/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

81)-Enhancing light harvesting capability of the photosynthetic reaction centre by a tailored molecular fluorophore

R. Tangorra; F. Milano; O. Hassan Omar; R. Ragni; A. Operamolla; A. Agostiano; G.M. Farinola; M. Trotta

European Society for Photobiology - ESP PHOTOBIOLOGY SCHOOL, Brixen/Bressanone, 18-23 giugno

<http://www.cnr.it/prodotto/i/274153>

info:cnr-pdr/source/autori:R. Tangorra, F. Milano, O. Hassan Omar, R. Ragni, A. Operamolla, A. Agostiano, G.M. Farinola and M. Trotta/congresso_nome:European Society for

82)-Assembly of gold nanorods for highly sensitive detection of heavy metals

Placido; Tiziana; Comparelli; Roberto; Striccoli; Marinella; Agostiano; Angela; Merkoci; Arben; Lucia Curri; M.subjectMERCURY IONSsubjectNANOPARTICLES

11th IEEE Sensors Conference, pp. 672–675, Taipei, TAIWAN,, OCT 28-31, 2012

urn:isbn:978-1-4577-1766-6

info:cnr-pdr/source/autori:Placido, Tiziana and Comparelli, Roberto and Striccoli, Marinella and Agostiano, Angela and Merkoci, Arben and Lucia Curri, M./congresso_nome:11th IEEE Sensors Conference/congresso_luogo:Taipei, TAIWAN,/congresso_data:OCT 28-31, 2012/anno:2012/pagina_da:672/pagina_a:675/intervallo_pagine:672–675

83)-Patent number WO2012163426: ELECTRODE MATERIAL FOR LITHIUM AND LITHIUM ION BATTERIES

WO2012163426; Internazionale

<http://patentscope.wipo.int/search/en/WO2012163426>

84)-Photocatalytic activity of TiO₂ based nanocatalyst for antibiotic degradation

Petronella F and Diomede S and Mascolo G and Agostiano A and Curri M L and COMPARELLI R.

SPEA 7, Porto, PT, 2012

<http://www.cnr.it/prodotto/i/274977>

info:cnr-pdr/source/autori:Petronella F and Diomede S and Mascolo G and Agostiano A and Curri M L and COMPARELLI R./congresso_nome:SPEA 7/congresso_luogo:Porto, PT/congresso_data:2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

85)-Machine for the controlled deposition of liquid-phase, polymeric, non-polymeric and photosensitive optical fibers in solution

CAMPOPIANO S;

IT1409442-B, Internazionale, 2014

<http://www.cnr.it/prodotto/i/295175>

86)-Theoretical non linear spectroscopies for chiral discrimination

Antonio Rizzo

CECAM workshop "Vibrational Optical Activity: Interplay Theory and Experiment", Pisa, Italy, 23-27 Settembre 2012

<http://www.cnr.it/prodotto/i/300359>

info:cnr-pdr/source/autori:Antonio Rizzo/congresso_nome:CECAM workshop "Vibrational Optical Activity: Interplay Theory and Experiment"/congresso_luogo:Pisa, Italy/congresso_data:23-27 Settembre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

87)-Nonlinear Electric and Magnetic Optical Properties and new Spectroscopies

Antonio Rizzo

Tenth International Conference on Relativistic Effects in Heavy Elements - Chemistry and Physics (REHE-2012), Corrientes, Argentina, 12-16 Settembre 2012

<http://www.cnr.it/prodotto/i/300361>

info:cnr-pdr/source/autori:Antonio Rizzo/congresso_nome:Tenth International Conference on Relativistic Effects in Heavy Elements - Chemistry and Physics (REHE-2012)/congresso_luogo:Corrientes, Argentina/congresso_data:12-16 Settembre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

88)-Chirality: in silico spectroscopies turning into novel experiments

Antonio Rizzo

Theory and Applications of Computational Chemistry - (TACC-2012), Pavia, Italy, 2-7 Settembre 2013

<http://www.cnr.it/prodotto/i/300365>

info:cnr-pdr/source/autori:Antonio Rizzo/congresso_nome:Theory and Applications of Computational Chemistry - (TACC-2012)/congresso_luogo:Pavia, Italy/congresso_data:2-7 Settembre 2013/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

89)-NON-LINEAR SPECTROSCOPIES AND CHIRALITY

Antonio Rizzo

Primo Congresso Nazionale della Divisione di Chimica Teorica e Computazionale della Società Chimica Italiana, Pisa, Italia, 22-23 Febbraio, 2012

<http://www.cnr.it/prodotto/i/300386>

info:cnr-pdr/source/autori:Antonio Rizzo/congresso_nome:Primo Congresso Nazionale della Divisione di Chimica Teorica e Computazionale della Società Chimica Italiana/congresso_luogo:Pisa, Italia/congresso_data:22-23 Febbraio, 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

90)-Photocatalytic nanostructured TiO₂ for protection of porous and compact stone

A. Pagliarulo; F. Petronella; A. Licciulli; A. Rocca; D. Diso; A. Calia; M. Lettieri; D. Colangiuli; A. Agostiano; M. L. Curri; R. Comparelli
subjectTiO₂ nanocrystals
subjecthydrophilic and hydrophobic treatment
subjectcalcareous stone
subjectcultural heritage.

12th International Congress on the Deterioration and Conservation of Stone, New York, 22 - 26 October 2012

<http://iscs.icomos.org/pdf-files/NewYorkConf/pagletal.pdf>

info:cnr-pdr/source/autori:A. Pagliarulo, F. Petronella, A. Licciulli, A. Rocca, D. Diso, A. Calia, M. Lettieri, D. Colangiuli, A. Agostiano, M. L. Curri, R. Comparelli/congresso_nome:12th International Congress on the Deterioration and Conservation of Stone/congresso_luogo:New York/congresso_data:22 - 26 October 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

91)-Polarization properties of SERS from randomly oriented molecules on gold nanowires

P. G. Gucciardi; B. Fazio; C. D'Andrea; A. Irrera; F. Bonaccorso; G. Calogero; C. Vasi; M. Allegrini; A. Toma; D. Chiappe; C. Martella; F. Buatier de Mongeot
NFO 12, San Sebastian, 3 - 7 september 2012

<http://www.cnr.it/prodotto/i/301906>

info:cnr-pdr/source/autori:P. G. Gucciardi, B. Fazio, C. D'Andrea, A. Irrera, F. Bonaccorso, G. Calogero, C. Vasi, M. Allegrini, A. Toma, D. Chiappe, C. Martella, F. Buatier de Mongeot/congresso_nome:NFO 12/congresso_luogo:San Sebastian/congresso_data:3 - 7 september 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

92)-Synthesis and regularization of the statistical distribution functions of the particles inside an asymmetric solitary wave

Palumbo LJ; Nocera Lsubjectcollisionless plasmassubjectVlasov equationssubjectBGK wavessubjectsolitary wavessubjectasymmetrysubjectsingular integral equations
pp.1-12, 2012

<http://puma.isti.cnr.it>

93)-Method for dimensioning a solar generation system, and the solar generation system obtained

Lombardo G.;
WO2012140575, Internazionale, 2012

<http://www.cnr.it/prodotto/i/145003>

94)-Solar radiation heat absorber for stirling motor

G. Lombardo;
WO201216873, Internazionale, 2012

<http://www.cnr.it/prodotto/i/213253>

95)-Nanomaterial Characterization By Electron Microscopy

Roberto Comparelli
School on "Synthesis and Characterization of Novel Nano-Sized Inorganic Materials", Bari (Italy), 17-22 June

<http://www.cnr.it/prodotto/i/312507>

info:cnr-pdr/source/autori:Roberto Comparelli/congresso_nome:School on "Synthesis and Characterization of Novel Nano-Sized Inorganic Materials"/congresso_luogo:Bari (Italy)/congresso_data:17-22 June/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

96)-Dalle proprietà molecolari microscopiche alle grandezze termodinamiche

Barcaro Giovanni Veracini Carlo Alberto

Pisa: Edizioni Plus - Pisa University Press, 2012

[urn:isbn:9788867410088](http://www.isbn.it/9788867410088)

info:cnr-pdr/source/autori:Barcaro Giovanni

Veracini Carlo Alberto/titolo:Dalle proprietà molecolari microscopiche alle grandezze termodinamiche/editore:

/anno:2012

97)-Branched Polymer Nanosystems: Interaction in solution and applications

Domenico Lombardo

SOLEIL Users' Meeting 2012, Palaiseau, (Francia), 18-19 Gennaio 2012

<http://www.synchrotron-soleil.fr/Workshops/2012/SUM12>

info:cnr-pdr/source/autori:Domenico Lombardo/congresso_nome:SOLEIL Users' Meeting 2012/congresso_luogo:Palaiseau, (Francia)/congresso_data:18-19 Gennaio 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

98)-Surface-Functionalized Inorganic Colloidal Nanocrystals in Functional Nanocomposite Materials for Microfabrication

Ingrosso, Chiara; Striccoli, Marinella; Agostiano, A.; Curri, Maria Lucia/subjectBottom-Up approach/subjectColloidal nanocrystals/subjectColloidal nanoparticleless/subjectNanocomposites/subjectPolymers/subjectTop-Down approach

Molecules at Work: Selfassembly, Nanomaterials, Molecular Machinery (ed B. Pignataro), edited by B. Pignataro, pp. 263–283. Weinheim: Wiley-VCH Verlag GmbH & Co. KGaA, 2012

<https://dx.doi.org/10.1002/9783527645787.ch12>

info:cnr-pdr/source/autori:Ingrosso, Chiara; Striccoli, Marinella; Agostiano, A.; Curri, Maria Lucia/titolo:Surface-Functionalized Inorganic Colloidal Nanocrystals in Functional Nanocomposite Materials for Microfabrication/titolo_volume:Molecules at Work: Selfassembly, Nanomaterials, Molecular Machinery (ed B. Pignataro)/curatori_volume:B. Pignataro/editore:

/anno:2012

99)-Inorganic nanohybrids based on bio-polyesters from renewable resources

E.Passaglia; S.Bronco; F.Signori; F.Cicogna; S.Coiai; W.Oberhauser/subjectPLA composites
XX Convegno Italiano di Scienze e Tecnologia delle Macromolecole, pp. 565, Terni (Italy), 4-8/09/2011

[urn:isbn:978-88-95028-83-5](https://nbn-resolving.org/urn:isbn:978-88-95028-83-5)

info:cnr-pdr/source/autori:E.Passaglia, S.Bronco, F.Signori, F.Cicogna, S.Coiai, W.Oberhauser/congresso_nome:XX Convegno Italiano di Scienze e Tecnologia delle Macromolecole/congresso_luogo:Terni (Italy)/congresso_data:4-8/09/2011/anno:2012/pagina_da:565/pagina_a:/intervallo_pagine:565

100)-Degradation of iodinated contrast media by solar photo-fenton and photocatalysis with supported TiO₂

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