

Peer-reviewed journal articles

1)-Silicon nanowires: Synthesis, optical properties and applications

D'Andrea, Cristiano; José Lo Faro, Maria; Musumeci, Paolo; Fazio, Barbara; Iacona, Fabio; Franzò, Giorgia; Gucciardi, Pietro Giuseppe; Vasi, Cirino S.; Priolo, Francesco; Irrera, Alessia
SUBJECTElectroluminescenceSUBJECTNanowiresSUBJECTPhotoluminescenceSUBJECTSilicon nanostructures

Physica status solidi. C, Current topics in solid state physics (Print) 11 (2014): 1622–1625.

<https://dx.doi.org/10.1002/pssc.201400052>

2)-The protein irreversible denaturation studied by means of the bending vibrational mode

Mallamace, Domenico; Corsaro, Carmelo; Vasi, Cirino; Vasi, Sebastiano; Dugo, Giacomo; Mallamace, Francesco
SUBJECTProtein denaturationSUBJECTAmide bendingSUBJECTLysozymeSUBJECTInfrared spectroscopy

Physica. A (Print) 412 (2014): 39–44.

<https://dx.doi.org/10.1016/j.physa.2014.06.007>

3)-Thermodynamic properties of bulk and confined water

Mallamace, Francesco; Corsaro, Carmelo; Mallamace, Domenico; Vasi, Sebastiano; Vasi, Cirino; Stanley, H. Eugene

The Journal of chemical physics 141 (2014).

<https://dx.doi.org/10.1063/1.4895548>

4)-Gold dimer nanoantenna with slanted gap for tunable LSPR and improved SERS

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

Journal of physical chemistry. C. (Online) 118 (2014): 3209–3219.

<https://dx.doi.org/10.1021/jp409844y>

5)-The influence of water on protein properties

Mallamace, Francesco; Baglioni, Piero; Corsaro, Carmelo; Chen, Sow-Hsin; Mallamace, Domenico; Vasi, Cirino; Stanley, H. Eugene

The Journal of chemical physics 141 (2014).

<https://dx.doi.org/10.1063/1.4900500>

6)-Unconventionally shaped chromonic liquid crystals formed by novel silver(I) complexes

Pucci, Daniela; Mendiguchia, Barbara Sanz; Tone, Caterina Maria; Szerb, Elisabeta Ildyko; Ciuchi, Federica; Gao, Min; Ghedini, Mauro; Crispini, Alessandra
SUBJECTchromonic liquid crystalSUBJECTsilver complexes

Journal of materials chemistry c 2 (2014): 8780–8788.

<https://dx.doi.org/10.1039/C4TC01736F>

7)-Probing cavitand-organosilane hybrid bilayers via Sum Frequency Vibrational Spectroscopy

Arianna Aprile; Pasquale Pagliusi; Federica Ciuchi; Maria Penelope De Santo; Roberta Pinalli; Enrico Dalcanale
SUBJECTHybrid bilayers
SUBJECTSum-Frequency Vibrational Spectroscopy
Langmuir (Online) 30 (2014): 12843–12849.
<https://dx.doi.org/10.1021/la503150z>

8)-Is electrospray emission really due to columbic forces?

Aliotta, Francesco; Calandra, Pietro; Pochylski, Mikolai; Ponterio, Rosina C.; Salvato, Gabriele; Vasi, Cirino
AIP advances 4 (2014).
<https://dx.doi.org/10.1063/1.4894800>

9)-Electro-osmotic flow in coated nanocapillaries: A theoretical investigation

Marini Bettolo Marconi U.; Monteferrante M.; Melchionna S.
SUBJECTelectro-osmosis
SUBJECTnano capillaries
SUBJECTcoating
PCCP. Physical chemistry chemical physics (Print) 16 (2014): 25473–25482.
<https://dx.doi.org/10.1039/c4cp03680h>

10)-Electroosmotic flow in polymer-coated slits: a joint experimental/simulation study

Monteferrante M.; Melchionna S.; Marconi U.M.B.; Cretich M.; Chiari M.; Sola L.
SUBJECTelectro-osmosis
SUBJECTnanocapillary
SUBJECTcoating
Microfluidics and nanofluidics (Internet) (2014).
<https://dx.doi.org/10.1007/s10404-014-1444-5>

11)-The OPEP coarse-grained protein model: from single molecules, amyloid formation, and suspension in a crowded environment to RNA/DNA complexes

F. Sterpone; S. Melchionna; P. Tuffery; S. Pasquali; N. Mousseau; T. Cragolini; Y. Chebaro; J.-F. Saint-Pierre; M. Kalimeri; A. Barducci; Y. Laurin; A. Tek; M. Baaden; P.H. Nguyen; P. Derreumaux
SUBJECTprotein simulations
SUBJECTcoarse-graining
Chemical Society reviews (Print) 43 (2014): 4871–4893.
<http://www.cnr.it/prodotto/i/289804>

info:cnr-pdr/source/autori:F. Sterpone, S. Melchionna, P. Tuffery, S. Pasquali, N. Mousseau, T. Cragolini, Y. Chebaro, J.-F. Saint-Pierre, M. Kalimeri, A. Barducci, Y. Laurin, A. Tek, M. Baaden, P.H. Nguyen, P. Derreumaux/titolo:The OPEP coarse-grained protein model: from single molecules, amyloid formation, and suspension in a crowded environment to RNA/DNA complexes/

12)-Lattice Boltzmann modeling of water-like fluids

S. Succi; N. Moradi; A. Greiner; S. Melchionna
SUBJECTlattice Boltzmann
SUBJECTwater
SUBJECTmodeling
Frontiers in physics 2 (2014): 1–14.
<http://www.cnr.it/prodotto/i/289806>

info:cnr-pdr/source/autori:S. Succi, N. Moradi, A. Greiner, S. Melchionna/titolo:Lattice Boltzmann modeling of water-like fluids/

13)-Steric modulation of ionic currents in DNA translocation through nanopores

V. Mazzone; S. Melchionna; U. Marini Bettolo MarconiSUBJECTDNA translocationSUBJECTsteric modulation

Journal of statistical physics (2014).

<http://www.cnr.it/prodotto/i/289807>

info:cnr-pdr/source/autori:V. Mazzone, S. Melchionna, U. Marini Bettolo Marconi,/titolo:Steric modulation of ionic currents in DNA translocation through nanopores/

14)-On the role of internal water on protein thermal stability: the case of homologous G-domains

O. Rahaman; M. Kalimeri; S. Melchionna; J. Henin; F. SterponeSUBJECTprotein stabilitySUBJECTinternal water

The journal of physical chemistry. B (2014).

<http://www.cnr.it/prodotto/i/289808>

info:cnr-pdr/source/autori:O. Rahaman, M. Kalimeri, S. Melchionna, J. Henin, F. Sterpone/titolo:On the role of internal water on protein thermal stability: the case of homologous G-domains/

15)-A hydro-kinetic scheme for the dynamics of hydrogen bonds in water-like fluids

N. Moradi; A. Greiner; S. Melchionna; F. Rao; S. Succi

Physical chemistry chemical physics (Online) 16 (2014): 15510–15518.

<https://dx.doi.org/10.1039/C4CP00921E>

16)-Lattice Boltzmann method for mixtures at variable Schmidt number

Monteferrante M.; Melchionna S.; Marconi U.M.B.SUBJECTlattice boltzmannSUBJECTmixturesSUBJECTSchmidt number

The Journal of chemical physics 141 (2014).

<https://dx.doi.org/10.1063/1.4885719>

17)-Kinetic density functional theory: A microscopic approach to fluid mechanics

Marconi U.M.B.; Melchionna S.SUBJECTdynamical density functional theorySUBJECTelectrokineticsSUBJECTKinetic theory

Communications in Theoretical Physics 62 (2014): 596–606.

<https://dx.doi.org/10.1088/0253-6102/62/4/17>

18)-Two-dimensional plasmonic superlattice based on Au nanoparticles self-assembling onto a functionalized substrate

Corricelli, Michela; Depalo, Nicoletta; Fanizza, Elisabetta; Altamura, Davide; Giannini, Cinzia; Siliqi, Dritan; Di Mundo, Rosa; Palumbo, Fabio; Kravets, Vasily G.; Grigorenko, Alexander N.; Agostiano, A.; Striccoli, Marinella; Curri, Maria Lucia

Journal of physical chemistry. C 118 (2014): 7579–7590.

<https://dx.doi.org/10.1021/jp4126792>

19)-Optical and electrical characterization of a gold nanoparticle dispersion in a chiral liquid crystal matrix

Melissa Infusino; Antonio De Luca; Federica Ciuchi; Andrei Ionescu; Nicola Scaramuzza
Giuseppe Strangi

Journal of materials science (Dordr., Online) 49 (2014): 1805–1811.

<https://dx.doi.org/10.1007/s10853-013-7868-6>

20)-Supramolecular chirality induced by a weak thermal force

Placido Mineo; Valentina Villari; Emilio Scamporrino; Norberto Micali

Soft matter (Print) 10 (2014): 44–47.

<https://dx.doi.org/10.1039/c3sm52322e>

21)-Oligomers based on weak hydrogen bond networks: a rotational study of the tetramer of difluoromethane

Feng, Gang; Evangelisti, Luca; Cacelli, Ivo; Carbonaro, Laura; Prampolini, Giacomo;
Caminati, Walther

Chemical communications (Lond., 1996, Print) 50 (2014): 171–173.

<https://dx.doi.org/10.1039/c3cc47206j>

22)-Three dimensional visualization of engineered bone and soft tissue by combined x-ray micro-diffraction and phase contrast tomography

Cedola, A (Cedola, Alessia)[1]; Campi, G (Campi, Gaetano)[2]; Pelliccia, D (Pelliccia, Daniele)[3]; Bukreeva, I (Bukreeva, Inna)[1]; Fratini, M (Fratini, Michela)[4]; Burghammer, M (Burghammer, Manfred)[5]; Rigon, L (Rigon, Luigi)[6,7]; Arfelli, F (Arfelli, Fulvia)[6,7]; Chen, RC (Chen, Rong Chang)[7]; Dreossi, D (Dreossi, Diego)[8]; Sodini, N (Sodini, Nicola)[8]; Mohammadi, S (Mohammadi, Sara)[8,9]; Tromba, G (Tromba, Giuliana)[8]; Cancedda, R (Cancedda, Ranieri)[10,11]; Mastrogiacomo, M (Mastrogiacomo, Maddalena)[10,11]

Physics in medicine & biology (Online) 59 (2014): 189–201.

<http://www.cnr.it/prodotto/i/276861>

info:cnr-pdr/source/autori:Cedola, A (Cedola, Alessia)[1]; Campi, G (Campi, Gaetano)[2]; Pelliccia, D (Pelliccia, Daniele)[3]; Bukreeva, I (Bukreeva, Inna)[1]; Fratini, M (Fratini, Michela)[4]; Burghammer, M (Burghammer, Manfred)[5]; Rigon, L (Rigon, Luigi)[6,7]; Arfelli, F (Arfelli, Fulvia)[6,7]; Chen, RC (Chen, Rong Chang)[7]; Dreossi, D (Dreossi, Diego)[8]; Sodini, N (Sodini, Nicola)[8]; Mohammadi, S (Mohammadi, Sara)[8,9]; Tromba, G (Tromba, Giuliana)[8]; Cancedda, R (Cancedda, Ranieri)[10,11]; Mastrogiacomo, M (Mastrogiacomo, Maddalena)[10,11]/titolo:Three dimensional visualization of engineered bone and soft tissue by combined x-ray micro-diffraction and phase contrast tomography/

23)-Conformationally disordered crystals and their influence on material properties: The cases of isotactic polypropylene, isotactic poly(1-butene), and poly(L-lactic acid)

Mariacristina Cocca; René Androsch; Maria Cristina Righetti; Mario Malinconico; Maria Laura Di LorenzoSUBJECTCrystal polymorphism; Conformational disorder; Condis mesophase; Isotactic polypropylene; Isotactic poly(1-butene); Poly(L-lactic acid)

Journal of molecular structure (Print) (2014).

<https://dx.doi.org/10.1016/j.molstruc.2014.02.038>

24)-Rigid amorphous fraction and melting behavior of poly(ethylene terephthalate)

Maria Cristina Righetti; Michele Laus; Maria Laura Di Lorenzo

Colloid and polymer science (Print) 292 (2014): 1365–1374.

<https://dx.doi.org/10.1007/s00396-014-3198-8>

25)-The lipidome of the photosynthetic bacterium Rhodobacter sphaeroides R26 is affected by cobalt and chromate ions stress

Calvano C.D.; Italiano F.; Catucci L.; Agostiano A.; Cataldi T.R.I.; Palmisano F.; Trotta M.SUBJECTLipidomicsSUBJECTMass spectrometrySUBJECTMetal

stressSUBJECTPhotosynthesisSUBJECTRhodobacter sphaeroides

BioMetals (Oxf.) 27 (2014): 65–73.

<https://dx.doi.org/10.1007/s10534-013-9687-2>

26)-Rhodobacter sphaeroides adaptation to high concentrations of cobalt ions requires energetic metabolism changes

Volpicella M.; Costanza A.; Palumbo O.; Italiano F.; Leoni C.; Placido A.; Picardi E.; Carella M.; Trotta M.; Ceci L.R.SUBJECTBioremediationSUBJECTHeavy metal stressSUBJECTNegative selectionSUBJECTRhodobacter

sphaeroidesSUBJECTTranscriptomics

FEMS microbiology, ecology (print) 88 (2014): 345–357.

<https://dx.doi.org/10.1111/1574-6941.12303>

27)-La via latte per l'Europa

Massimo TrottaSUBJECTproteine

Sapere (Bari) 80 (2014): 49.

<http://www.cnr.it/prodotto/i/280255>

info:cnr-pdr/source/autori:Massimo Trotta/titolo:La via latte per l'Europa/

28)-I jeans dall'età della pietra

Massimo TrottaSUBJECTproteine

Sapere (Bari) 80 (2014): 49.

<http://www.cnr.it/prodotto/i/280256>

info:cnr-pdr/source/autori:Massimo Trotta/titolo:I jeans dall'età della pietra/

29)-Polarization-dependent optomechanics mediated by chiral microresonators

M.G. Donato; J. Hernandez; A. Mazzulla; C. Provenzano; R. Saija; R. Sayed; S. Vasi; A. Magazzu; P. Pagliusi; R. Bartolino; P.G. Gucciardi; O.M. Marago; G. CipparroneSUBJECTchiralitySUBJECTOptical tweezersSUBJECTliquid crystalsSUBJECTpolymers

Nature communications 5 (2014): 3656.

<https://dx.doi.org/10.1038/ncomms4656>

30)-Proton Conduction in Water Ices under an Electric Field

Cassone G; Giaquinta PV; Saija F; Saitta AM

The journal of physical chemistry. B 118 (2014): 4419–4424.

<https://dx.doi.org/10.1021/jp5021356>

31)-I donatori di sangue blu

Massimo TrottaSUBJECTproteine

Sapere (Bari) 80 (2014): 49.

<http://www.cnr.it/prodotto/i/280900>

info:cnr-pdr/source/autori:Massimo Trotta/titolo:I donatori di sangue blu/

32)-The binding of quinone to the photosynthetic reaction centers: kinetics and thermodynamics of reactions occurring at the QB-site in zwitterionic and anionic liposomes

Fabio Mavelli; Massimo Trotta; Fulvio Ciriaco; Angela Agostiano; Livia Giotta; Francesca Italiano; Francesco MilanoSUBJECTBacterial photosynthesis; Ligand binding; Protein-lipid interaction

European biophysics journal 43 (2014): 301–315.

<https://dx.doi.org/10.1007/s00249-014-0963-z>

33)-Self-organized internal architectures of chiral micro-particles

Provenzano C.; Mazzulla A.; Pagliusi P.; De Santo M.P.; Desiderio G.; Perrotta I.; Cipparrone G.SUBJECTliquid crystalsSUBJECTchiralitySUBJECTself-assembling

APL materials 2 (2014): 022103.

<https://dx.doi.org/10.1063/1.4863837>

34)-Temperature Dependence of the Rigid Amorphous Fraction in Poly(ethylene terephthalate)

Maria Cristina Righetti; Michele Laus; Maria Laura Di Lorenzo

European Polymer Journal 58 (2014): 60–68.

<https://dx.doi.org/10.1016/j.eurpolymj.2014.06.005>

35)-Observation of Migrating Transverse Anderson Localizations of Light in Nonlocal Media

Marco Leonetti (1,2); Salman Karbasi (3); Arash Mafi (3); Claudio Conti (4)

Physical review letters (Print) 112 (2014): 193902.
<https://dx.doi.org/10.1103/PhysRevLett.112.193902>

36)-Dynamic metastability in the two-dimensional Potts ferromagnet

Miguel Ibáñez Berganza (1); Alberto Petri (2); Pietro Coletti (3)SUBJECTnonequilibrium dynamicsSUBJECTfinite-size effect
Physical review. E, Statistical, nonlinear, and soft matter physics (Print) 89 (2014): 052115.
<https://dx.doi.org/10.1103/PhysRevE.89.052115>

37)-Role of Disorder in the Thermodynamics and Atomic Dynamics of Glasses

Chumakov, A. I.; Monaco, G.; Fontana, A.; Bosak, A.; Hermann, R. P.; Bessas, D.; Wehinger, B.; Crichton, W. A.; Krisch, M.; Rueffer, R.; Baldi, G.; Carini, G., Jr.; Carini, G.; D'Angelo, G.; Gilioli, E.; Tripodo, G.; Zanatta, M.; Winkler, B.; Milman, V.; Refson, K.; Dove, M. T.; Dubrovinskaia, N.; Dubrovinsky, L.; Keding, R.; Yue, Y. Z.SUBJECTTEMPERATURE HEAT-CAPACITYSUBJECTBOSON-PEAKSUBJECTVIBRATIONAL DYNAMICSSUBJECTVITREOUS SILICASUBJECTEXCITATIONS
Physical review letters (Print) 112 (2014): 025502-1.
<https://dx.doi.org/10.1103/PhysRevLett.112.025502>

38)-Light focusing in the Anderson regime

Marco Leonetti (1,2); Salman Karbasi (3); Arash Mafi (3); Claudio Conti (4)SUBJECTLight focusingSUBJECTAnderson localizationSUBJECTdisordered optical fibres
Nature communications 5 (2014): art_n_4534.
<https://dx.doi.org/10.1038/ncomms5534>

39)-Glass-glass transition during aging of a colloidal clay.

Roberta Angelini (1,2); Emanuela Zaccarelli (2,3); Flavio Augusto de Melo Marques (4); Michael Sztucki (5); Andrei Fluerasu (6); Giancarlo Ruocco (2,4); Barbara Ruzicka (1,2)SUBJECTphase behaviorSUBJECTcolloidal claySUBJECTglass-glas transition
Nature communications 5 (2014): art_n_4049.
<https://dx.doi.org/10.1038/ncomms5049>

40)-Structural disorder and anomalous water diffusion in random packing of spheres

Andrea Gabrielli (1); Silvia Capuani (2); Marco Palombo (3); Vito D.P. Servedio (3), Giancarlo Ruocco (3)
Bulletin of the American Physical Society 59 (2014): Abstract ID: BAPS.2014.MAR.B20.15.
<http://meetings.aps.org/link/BAPS.2014.MAR.B20.15>

info:cnr-pdr/source/autori:Andrea Gabrielli (1); Silvia Capuani (2); Marco Palombo (3); Vito D.P. Servedio (3), Giancarlo Ruocco (3)/titolo:Structural disorder and anomalous water diffusion in random packing of spheres/

41)-Visible-light driven oxidation of gaseous aliphatic alcohols to the corresponding carbonyls via TiO₂ sensitized by a perylene derivative

Guarisco C.; Palmisano G.; Calogero G.; Ciriminna R.; Di Marco G.; Loddo V.; Pagliaro M.; Parrino F. SUBJECT Perylene-sensitized TiO₂ SUBJECT Visible light photocatalysis SUBJECT Aliphatic alcohol oxidation

Environmental science and pollution research international (2014): 1–7.

<https://dx.doi.org/10.1007/s11356-014-2546-z>

42)-L'araldica delle proteine

Massimo Trotta SUBJECT proteine

Sapere (Bari) 80 (2014): 44.

<http://www.cnr.it/prodotto/i/284382>

info:cnr-pdr/source/autori:Massimo Trotta/titolo:L'araldica delle proteine/

43)-Variability of the health effects of crystalline silica: Fe speciation in industrial quartz reagents and suspended dusts-insights from XAS spectroscopy.

Di Benedetto F.[1]; D'Acapito F.[2]; Capacci F.[3]; Fornaciai G. [4]; Innocenti M.[4; 5]; Montegrossi G.[6]; Oberhauser W.[5]; Pardi L.A. [7]; Romanelli M. [1] SUBJECT Crystalline silica SUBJECT quartz SUBJECT Fe speciation SUBJECT industrial samples SUBJECT reactivity in air SUBJECT X-ray absorption spectroscopy

Physics and chemistry of minerals 41 (2014): 215–225.

<https://dx.doi.org/10.1007/s00269-013-0640-2>

44)-Miller experiments in atomistic computer simulations

Saitta, Antonino Marco; Saija, Franz

Proceedings of the National Academy of Sciences of the United States of America 111 (2014): 13768–13773.

<https://dx.doi.org/10.1073/pnas.1402894111>

45)-Wavelength resolved neutron transmission analysis to identify single crystal particles in historical metallurgy

E. Barzagli (1,2); F. Grazzi (1); F. Salvemini (1); A. Scherillo (3,4); H. Sato (5); T. Shinohara (5); T. Kamiyama (6); Y. Kiyonagi (6); A. Tremsin (7); Marco Zoppi (1) SUBJECT wavelength SUBJECT single crystal particles

The European physical journal plus 129 (2014): 158.

<https://dx.doi.org/10.1140/epjp/i2014-14158-3>

46)-Optical shock waves in silica aerogel

S. Gentilini (1); F. Ghajeri (2); N. Ghofraniha (3); A. Di Falco (2); C. Conti (1,4)

Optics express 22 (2014): 1667–1672.

<https://dx.doi.org/10.1364/OE.22.001667>

47)-Observation of an intrinsic nonlinearity in the electro-optic response of freezing relaxors ferroelectrics

D. Pierangeli (1); F. Di Mei (1,2); J. Parravicini (1,3); G.B. Parravicini (4); A.J. Agranat (5); C. Conti (1,6); E. DelRe (1,2)SUBJECTGlass and other amorphous materialsSUBJECTNonlinear opticsSUBJECTMaterials

Optical materials express 4 (2014): 1487–1493.

<https://dx.doi.org/10.1364/OME.4.001487>

48)-Characterization of an amylose-graft-poly(n-butyl methacrylate) copolymer obtained by click chemistry by EPR and SS-NMR spectroscopies

Borsacchi S.; Calucci L.; Geppi M.; La Terra F.; Pinzino C.; Bertoldo M.SUBJECTAmyloseSUBJECTClick chemistrySUBJECTGraft copolymersSUBJECTMAS NMRSUBJECTNuclear relaxation timesSUBJECTPBMA

Carbohydrate polymers 112 (2014): 245–254.

<https://dx.doi.org/10.1016/j.carbpol.2014.05.086>

49)-Small-cluster renormalization group in Ising and Blume-Emery-Griffiths models with ferromagnetic, antiferromagnetic, and quenched disordered magnetic interactions

F. Antenucci (1,2); A. Crisanti (2,3); L. Leuzzi (1,2)SUBJECTAntiferromagnetism

Physical review. E, Statistical, nonlinear, and soft matter physics (Print) 90 (2014): 012112.

<https://dx.doi.org/10.1103/PhysRevE.90.012112>

50)-Critical Study of Hierarchical Lattice Renormalization Group in Magnetic Ordered and Quenched Disordered Systems: Ising and Blume-Emery-Griffiths Models

F. Antenucci (1,2); A. Crisanti (1,3); L. Leuzzi (1,2)SUBJECTHierarchical latticeSUBJECTRenormalization groupSUBJECTCritical behaviorSUBJECTMigdal-KadanoffSUBJECTFerromagnetSUBJECTSpin-glassSUBJECTIsing modelSUBJECTBlume-Emery-Griffiths model

Journal of statistical physics 155 (2014): 909–931.

<https://dx.doi.org/10.1007/s10955-014-0977-z>

51)-Anomalous metastability in a temperature-driven transition

M. Ibáñez Berganza (1); P. Coletti (2); A. Petri (3)

Europhysics letters (Print) 106 (2014): 56001.

<https://dx.doi.org/10.1209/0295-5075/106/56001>

52)-Dual aging behaviour in a clay-polymer dispersion

Zulian L.; Augusto De Melo Marques F.; Emilriti E.; Ruocco G.; Ruzicka B.SUBJECTLaponite

Soft matter (Online) 10 (2014): 4513–4521.

<https://dx.doi.org/10.1039/c4sm00172a>

53)-Modulation of current through a nanopore induced by a charged globule: implications for DNA-docking

Mauro Chinappi (1); Carlo Massimo Casciola (1,2); Fabio Cecconi (3); Umberto Marini Bettolo Marconi (4,5); Simone Melchionna (6)SUBJECTSOLID-STATE NANOPORES; TRANSLLOCATION; TRANSPORT; DYNAMICS

Europhysics letters (Online) 108 (2014): 46002.

<https://dx.doi.org/10.1209/0295-5075/108/46002>

54)-Aging behavior of the localization length in a colloidal glass

Angelini, R.; Madsen, A.; Fluerasu, A.; Ruocco, G.; Ruzicka, B.SUBJECTAging behavior; Colloidal glass; Localization length

Colloids and surfaces. A, Physicochemical and engineering aspects (Print) 460 (2014): 118–122.

<https://dx.doi.org/10.1016/j.colsurfa.2014.03.087>

55)-Neutron diffraction study of aqueous Laponite suspensions at the NIMROD diffractometer

Tudisca, V.; Bruni, F.; Scoppola, E.; Angelini, R.; Ruzicka, B.; Zulian, L.; Soper, A. K.; Ricci, M. A.SUBJECTLAPONITE DISPERSIONS; GELS; SUSPENSIONS; POLYMER; STATES; CLAY

Physical review. E, Statistical, nonlinear, and soft matter physics (Print) 90 (2014).

<https://dx.doi.org/10.1103/PhysRevE.90.032301>

56)-Run-and-tumble particles in speckle fields

Paoluzzi, M.; Di Leonardo, R.; Angelani, L.SUBJECTactive matterSUBJECTnumerical simulationsSUBJECTstatistical mechanics

Journal of physics. Condensed matter (Print) 26 (2014).

<https://dx.doi.org/10.1088/0953-8984/26/37/375101>

57)-First-passage time of run-and-tumble particles.

Angelani, L; Di Leonardo, R; Paoluzzi, MSUBJECTActive particles; Bacterial motion; Cellular process; Constant gradients; External fields; External force field; Intracellular transport; Mean first-passage time

The European physical journal. E, Soft matter (Online) 37 (2014): 15.

<https://dx.doi.org/10.1140/epje/i2014-14059-4>

58)-Imaging tissue regeneration/degeneration by combined X-ray micro-diffraction and phase contrast micro-tomography

Campi, G.; Bukreeva, I.; Fratini, M.; Mastrogiacomo, M.; Cedola, A.

Journal of tissue engineering and regenerative medicine 8 (2014): 66–67.

<http://www.cnr.it/prodotto/i/288711>

info:cnr-pdr/source/autori:Campi, G.; Bukreeva, I.; Fratini, M.; Mastrogiacomo, M.; Cedola, A./titolo:Imaging tissue regeneration/degeneration by combined X-ray micro-diffraction and phase contrast micro-tomography/

59)-Vascular network visualization in bone tissue engineered construct by synchrotron X-ray microtomography

Spano, R.;

Journal of tissue engineering and regenerative medicine 8 (2014): 211–211.

<http://www.cnr.it/prodotto/i/288717>

info:cnr-pdr/source/autori:Spano, R.; Bukreeva, I.; Campi, G.; Tromba, G.; Brun, F.; Cedola, A.; Cancedda, R.; Mastrogiacomo, M./titolo:Vascular network visualization in bone tissue engineered construct by synchrotron X-ray microtomography/

60)-Study of the vascular network in the spinal cord using advanced techniques

Fratini, M.; Bukreeva, I.; Campi, G.; Spano', R.; Mastrogiacomo, M.; Brun, F.; Tromba, G.; Giove, F.; Cedola, A.

Journal of tissue engineering and regenerative medicine 8 (2014): 192–193.

<http://www.cnr.it/prodotto/i/288712>

info:cnr-pdr/source/autori:Fratini, M.; Bukreeva, I.; Campi, G.; Spano', R.; Mastrogiacomo, M.; Brun, F.; Tromba, G.; Giove, F.; Cedola, A./titolo:Study of the vascular network in the spinal cord using advanced techniques/

61)-RNA-Based Regulation: Dynamics and Response to Perturbations of Competing RNAs

Figliuzzi, Matteo; De Martino, Andrea; Marinari, Enzo

Biophysical journal (Print) 107 (2014): 1011–1022.

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132)-Electrically induced birefringence in nanoparticle dispersions for electrorheological applications

Pochylski, Mikolaj; Calandra, Pietro; Aliotta, Francesco; Ponterio, Rosina C.SUBJECTinduced birefringenceSUBJECTtitanium dioxideSUBJECTelectric dipole momentSUBJECTcolloidal dispersion

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133)-Coupling chemical reaction to electrospray: a novel preparation of gold nanostructures

P. Calandra; Valeria La Parola; Domenico Lombardo; V. Turco Liveri

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134)-Photonic crystal light emitting diode based on Er and Si nanoclusters co-doped slot waveguide

Lo Savio R.; Galli M.; Liscidini M.; Andreani L.C.; Franzo G.; Iacona F.; Miritello M.; Irrera A.; Sanfilippo D.; Piana A.; Priolo F.

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135)-Anharmonic Damping of Terahertz Acoustic Waves in a Network Glass and Its Effect on the Density of Vibrational States

Baldi, G.; Giordano, V. M.; Ruta, B.; Dal Maschio, R.; Fontana, A.; Monaco, G.SUBJECTTHERMAL-CONDUCTIVITYSUBJECTELASTIC

PROPERTIESSUBJECTVITREOUS SILICASUBJECTBOSON PEAKSUBJECTSOLIDS

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136)-Stability of trans-Resveratrol Associated with Transport Proteins

Pantusa, Manuela; Bartucci, Rosa; Rizzuti, BrunoSUBJECTresveratrolSUBJECTbeta-lactoglobulinSUBJECThuman

serum

albuminSUBJECTabsorbanceSUBJECTfluorescenceSUBJECTdockingSUBJECTmolecular dynamics

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137)-Molecular simulations of beta-lactoglobulin complexed with fatty acids reveal the structural basis of ligand affinity to internal and possible external binding sites

Evoli, Stefania; Guzzi, Rita; Rizzuti, BrunoSUBJECTbeta-lactoglobulinSUBJECTfatty acidsSUBJECTmolecular dynamics simulationSUBJECTmolecular dockingSUBJECTbinding sites

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138)-Noise mitigation action plan of Pisa civil and military airport and its effects on people exposure

Licitra G.; Gagliardi P.; Fredianelli L.; Simonetti D. SUBJECT Aircraft noise SUBJECT Directive 2002/49/EU SUBJECT Environmental noise SUBJECT Noise action plans SUBJECT Noise mapping

Applied acoustics 84 (2014): 25–36.

<https://dx.doi.org/10.1016/j.apacoust.2014.02.020>

139)-Multifunctional Supramolecular Dendrimers with an s-Triazine Ring as the Central Core: Liquid Crystalline, Fluorescence and Photoconductive Properties

Bucos, Madalina; Sierra, Teresa; Golemme, Attilio; Termine, Roberto; Barbera, Joaquin; Gimenez, Raquel; Luis Serrano, Jose; Romero, Pilar; Marcos, Mercedes SUBJECT dendrimers SUBJECT fluorescence SUBJECT Hydrogen

bonds SUBJECT liquid crystals SUBJECT photoconductivity

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140)-Effect of a chiral substituent on the photochromic and photoconductive properties of a methacrylic polymer bearing side chain azocarbazole moieties

Angiolini, Luigi; Benelli, Tiziana; Giorgini, Loris; Golemme, Attilio; Mazzocchetti, Laura; Termine, Roberto SUBJECT Photochromic chiral polymers SUBJECT Carbazole containing polymers SUBJECT Multifunctional materials SUBJECT Photoconductive

polymers SUBJECT Photoresponsive materials SUBJECT Chiroptical switches

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141)-On the influence of the mass ablated by a laser pulse on thin film morphology and optical properties

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

Applied physics. A, Materials science & processing (Print) 117 (2014): 137–142.

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

Agarwal, N. R.; Tommasini, Matteo; Fazio, Enza; Neri, Fortunato; Ponterio, Rosina C.; Trusso, Sebastiano; Ossi, Paolo Maria

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143)-Laser controlled synthesis of noble metal nanoparticle arrays for low concentration molecule recognition

Fazio E.; Neri F.; Ponterio R.C.; Trusso S.; Tommasini M.; Ossi P.M. SUBJECT Laser ablation of solids SUBJECT Morphology of thin films SUBJECT Optical properties of thin films SUBJECT Sers

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144)-Metal Tungstates at the Ultimate Two-Dimensional Limit: Fabrication of a CuWO₄ Nanophase

Denk, Martin; Kuhness, David; Wagner, Margareta; Surnev, Svetlozar; Negreiros, Fabio R.; Sementa, Luca; Barcaro, Giovanni; Vobornik, Ivana; Fortunelli, Alessandro; Netzer, Falko P. SUBJECT two-dimensional oxide material SUBJECT ternary oxide SUBJECT Cu tungstate SUBJECT tungsten oxide clusters SUBJECT scanning tunneling microscopy SUBJECT photoelectron spectroscopy SUBJECT phonon spectra SUBJECT density functional theory

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145)-Atomistic Quantum Plasmonics of Gold Nanowire Arrays

Sementa, Luca; Marini, Andrea; Barcaro, Giovanni; Negreiros, Fabio R.; Fortunelli, Alessandro SUBJECT time-dependent density-functional theory SUBJECT Optical response SUBJECT macroscopic dielectric function SUBJECT molecule/plasmon coupling SUBJECT single-molecule detection SUBJECT nanogaps

ACS photonics 1 (2014): 315–322.

<https://dx.doi.org/10.1021/ph500038z>

146)-Au-24(SAdm)(16) Nanomolecules: X-ray Crystal Structure, Theoretical Analysis, Adaptability of Adamantane Ligands to Form Au-23(SAdm)(16) and Au-25(SAdm)(16), and Its Relation to Au-25(SR)(18)

Crasto, David; Barcaro, Giovanni; Stener, Mauro; Sementa, Luca; Fortunelli, Alessandro; Dass, Amala

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147)-Communication: Striking dependence of diffusion kinetics in Ag-Cu nanoalloys upon composition and quantum effects

Asgari, Mehdi; Negreiros, Fabio R.; Sementa, Luca; Barcaro, Giovanni; Behnejad, Hassan; Fortunelli, Alessandro

The Journal of chemical physics 141 (2014).

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148)-Concepts in theoretical heterogeneous ultranocatalysis

Negreiros, Fabio R.; Barcaro, Giovanni; Sementa, Luca; Fortunelli, Alessandro SUBJECT Subnanometer clusters SUBJECT Heterogeneous

catalystsSUBJECTEpitaxial
interactionSUBJECTCharge transfer
Comptes Rendus Chimie 17 (2014): 625–633.
<https://dx.doi.org/10.1016/j.crci.2013.12.008>

relationshipsSUBJECTLigand/cluster

149)-Dramatic Increase in the Oxygen Reduction Reaction for Platinum Cathodes from Tuning the Solvent Dielectric Constant

Fortunelli, Alessandro; Goddard, William A.; Sha, Yao; Yu, Ted H.; Sementa, Luca; Barcaro, Giovanni; Andreussi, OlivieroSUBJECTdensity functional calculationsSUBJECTelectrochemistrySUBJECTHydrogen fuel cellsSUBJECTreaction energy barriersSUBJECTsolvation
Angewandte Chemie (Int. ed., Print) 53 (2014): 6669–6672.
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150)-Experimental and Theoretical Scanning Tunneling Spectroscopy Analysis of an Ultrathin Titania Film and Adsorbed Au Nanoparticles

Cavaliere, Emanuele; Barcaro, Giovanni; Sementa, Luca; Granozzi, Gaetano; Fortunelli, Alessandro; Gavioli, Luca
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151)-Ligand/cluster/support catalytic complexes in heterogeneous ultrananocatalysis: NO oxidation on Ag-3/MgO(100)

Sementa, Luca; Barcaro, Giovanni; Negreiros, Fabio R.; Fortunelli, Alessandro
PCCP. Physical chemistry chemical physics (Print) 16 (2014): 26570–26577.
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152)-Optical Properties of Pt and Ag-Pt Nanoclusters from TDDFT Calculations: Plasmon Suppression by Pt Poisoning

Barcaro, Giovanni; Sementa, Luca; Fortunelli, Alessandro; Stener, Mauro
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153)-Optical Properties of Silver Nanoshells from Time-Dependent Density Functional Theory Calculations

Barcaro, Giovanni; Sementa, Luca; Fortunelli, Alessandro; Stener, Mauro
Journal of physical chemistry. C 118 (2014): 12450–12458.
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154)-Probing the atomic structure of metallic nanoclusters with the tip of a scanning tunneling microscope

Schouteden, Koen; Lauwaet, Koen; Janssens, Ewald; Barcaro, Giovanni; Fortunelli, Alessandro; Van Haesendonck, Chris; Lievens, Peter
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155)-Redox processes at a nanostructured interface under strong electric fields

Steurer, Wolfram; Surnev, Svetlozar; Netzer, Falko P.; Sementa, Luca; Negreiros, Fabio R.; Barcaro, Giovanni; Durante, Nicola; Fortunelli, Alessandro
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156)-A High-Field EPR Study of the Accelerated Dynamics of the Amorphous Fraction of Semicrystalline Poly(dimethylsiloxane) at the Melting Point

Massa, Carlo Andrea; Pizzanelli, Silvia; Bercu, Vasile; Pardi, Luca; Bertoldo, Monica; Leporini, Dino
Applied magnetic resonance 45 (2014): 693–706.
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157)-Constrained and Heterogeneous Dynamics in the Mobile and the Rigid Amorphous Fractions of Poly(dimethylsiloxane): A Multifrequency High-Field Electron Paramagnetic Resonance Study

Massa, Carlo Andrea; Pizzanelli, Silvia; Bercu, Vasile; Pardi, Luca; Leporini, Dino
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158)-Visible and infrared emission from Si/Ge nanowires synthesized by metal-assisted wet etching

Irrera A.; Artoni P.; Fioravanti V.; Franzo G.; Fazio B.; Musumeci P.; Boninelli S.; Impellizzeri G.; Terrasi A.; Priolo F.; Iacona F.
Nanoscale research letters (Print) 9 (2014): 1–7.
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159)-Optical and conductive properties of as-synthesized organic-capped TiO₂ nanorods highly dispersible in polystyrene-block-poly(methyl methacrylate) diblock copolymer

Cano, Laida; Di Mauro, Angela Evelyn; Striccoli, Marinella; Curri, Maria Lucia; Tercjak, Agnieszka
ACS applied materials & interfaces (Print) 6 (2014): 11805–11814.
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Kiselev, M. A.; Zemlyanaya, E. V.; Ryabova, N. Y.; Hauss, T.; Almasy, L.; Funari, S. S.; Zbytovska, J.; Lombardo, D.

Applied physics. A, Materials science & processing (Print) 116 (2014): 319–325.

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161)-A modified Close Proximity method to evaluate the time trends of road pavements acoustical performances

Licitra, G.; Teti, L.; Cerchiai, M. SUBJECTCPXSUBJECTAcoustical absorptionSUBJECTTyre/road noise

Applied acoustics 76 (2014): 169–179.

<https://dx.doi.org/10.1016/j.apacoust.2013.07.017>

162)-G(den): An indicator for European noise maps comparison and to support action plans

Licitra, Gaetano; Ascari, Elena SUBJECTNoise mappingSUBJECTEuropean cities noise exposureSUBJECTHot spotsSUBJECTAction plansSUBJECTEND

Science of the total environment 482 (2014): 411–419.

<https://dx.doi.org/10.1016/j.scitotenv.2013.07.014>

163)-Health Impact Assessment of airport noise on people living nearby six Italian airports

Ancona, Carla; Golini, Martina Nicole; Mataloni, Francesca; Camerino, Donatella; Chiusolo, Monica; Licitra, Gaetano; Ottino, Marina; Pisani, Salvatore; Cestari, Laura; Vigotti, Maria Angela; Davoli, Marina; Forastiere, Francesco SUBJECTaircraft noiseSUBJECThealth impact assessmentSUBJECThypertensionSUBJECTannoyanceSUBJECTsleep disturbances

Epidemiologia e prevenzione 38 (2014): 227–236.

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info:cnr-pdr/source/autori:Ancona, Carla; Golini, Martina Nicole; Mataloni, Francesca; Camerino, Donatella; Chiusolo, Monica; Licitra, Gaetano; Ottino, Marina; Pisani, Salvatore; Cestari, Laura; Vigotti, Maria Angela; Davoli, Marina; Forastiere, Francesco/titolo:Health Impact Assessment of airport noise on people living nearby six Italian airports/

164)-Excitation-Dependent Ultrafast Carrier Dynamics of Colloidal TiO₂ Nanorods in Organic Solvent

Triggiani, Leonardo; Brunetti, Adalberto; Aloï, Antonio; Comparelli, Roberto; Curri, M. Lucia; Agostiano, Angela; Striccoli, Marinella; Tommasi, Raffaele

Journal of physical chemistry. C 118 (2014): 25215–25222.

<https://dx.doi.org/10.1021/jp507383w>

165)-Theoretical and computer simulation study of phase coexistence of nonadditive hard-disk mixtures

Fiumara, Giacomo; Pandaram, Owen D.; Pellicane, Giuseppe; Saija, Franz

The Journal of chemical physics 141 (2014): 214508.

<https://dx.doi.org/10.1063/1.4902440>

166)-Micropatterning of plastic nanocomposite films: Effect of Au nanoparticle content

Depalo, Nicoletta; Tamborra, Michela; Fanizza, Elisabetta; Di Gioia, Demetrio; Agostiano, A.; Curri, Maria Lucia; Striccoli, MarinellaSUBJECTBreath figuresSUBJECTGold nanoparticlesSUBJECTPlasmonic materialsSUBJECTPlastic hybrid films

Science of advanced materials (Print) 6 (2014): 505–512.

<https://dx.doi.org/10.1166/sam.2014.1744>

167)-Thermo-physical properties of ammonium-based ionic liquid plus N-methyl-2-pyrrolidone mixtures at 298.15 K

Usula, Marianna; Matteoli, Enrico; Leonelli, Francesca; Mocci, Francesca; Marincola, Flaminia Cesare; Gontrani, Lorenzo; Porcedda, SilviaSUBJECTIonic liquidSUBJECTN-methyl-2-pyrrolidoneSUBJECTDensitySUBJECTMolar excess volumeSUBJECTMolar excess enthalpy

Fluid phase equilibria 383 (2014): 49–54.

<https://dx.doi.org/10.1016/j.fluid.2014.09.031>

168)-Electroactive Layer-by-Layer Plasmonic Architectures Based on Au Nanorods

Placido, Tiziana; Fanizza, Elisabetta; Cosma, Pinalysa; Striccoli, Marinella; Curri, M. Lucia; Comparelli, Roberto; Agostiano, AngelaSUBJECTgold nanorodSUBJECTcytochrome cSUBJECTlayer-by-layerSUBJECTdirect electron transferSUBJECTelectrochemistry

Langmuir 30 (2014): 2608–2618.

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169)-Segmented poly(styrene-co-vinylpyridine) as multivalent host for CdSe nanocrystal based nanocomposites

Di Mauro, Angela Evelyn; Toscanini, Marco; Piovani, Daniele; Samperi, Filippo; Curri, Maria Lucia; Corricelli, Michela; De Caro, Liberato; Siliqi, Dritan; Comparelli, Roberto; Agostiano, A.; Destri, Silvia; Striccoli, MarinellaSUBJECTColloidal nanocrystalsSUBJECTCopolymersSUBJECTInterfacesSUBJECTNanocomposite materials

European Polymer Journal 60 (2014): 222–234.

<https://dx.doi.org/10.1016/j.eurpolymj.2014.09.010>

170)-Hybrid Assemblies of Fluorescent Nanocrystals and Membrane Proteins in Liposomes

De Leo; Vincenzo; Catucci; Lucia; Falqui; Andrea; Marotta; Roberto; Striccoli; Marinella; Agostiano; Angela; Comparelli; Roberto; Milano; Francesco

Langmuir 30 (2014): 1599–1608.

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171)-Patterned assembly of luminescent nanocrystals: role of the molecular chemistry at the interface

Altomare, Michele; Fanizza, Elisabetta; Corricelli, Michela; Comparelli, Roberto; Striccoli, Marinella; Curri, Maria LuciaSUBJECTLuminescent colloidal nanocrystalsSUBJECTSurface chemistrySUBJECTMicrocontact printingSUBJECTPatterningSUBJECTSolvent properties
Journal of nanoparticle research 16 (2014).

<https://dx.doi.org/10.1007/s11051-014-2468-1>

172)-SERS Properties of Gold Nanorods at Resonance with Molecular, Transverse, and Longitudinal Plasmon Excitations

Ros, Ida; Placido, Tiziana; Amendola, Vincenzo; Marinzi, Chiara; Manfredi, Norberto; Comparelli, Roberto; Striccoli, Marinella; Agostiano, Angela; Abbotto, Alessandro; Pedron, Danilo; Pilot, Roberto; Bozio, RenatoSUBJECTGold nanorodsSUBJECTLocalized surface plasmon resonanceSUBJECTSERSSUBJECTNonlinear opticsSUBJECTPush-pull molecule
Plasmonics (Norwell, Mass.) 9 (2014): 581–593.

<https://dx.doi.org/10.1007/s11468-014-9669-4>

173)-Uniform TiO₂/In₂O₃ surface films effective in bacterial inactivation under visible light

Petronella, Francesca; Rtimi, Sami; Comparelli, Roberto; Sanjines, Rosendo; Pulgarin, Cesar; Curri, M. Lucia; Kiwi, JohnSUBJECTTiO₂/In₂O₃SUBJECTMagnetron sputteringSUBJECTBacterial inactivationSUBJECTIFCT mechanism
Journal of photochemistry and photobiology. A, Chemistry (Print) 279 (2014): 1–7.

<https://dx.doi.org/10.1016/j.jphotochem.2014.01.005>

174)-Supercooled water escaping from metastability

Aliotta F; Giaquinta PV; Ponterio RC; Prestipino S; Saija F; Salvato G; Vasi C
Scientific reports (Nature Publishing Group) 4 (2014): 7230–7234.

<https://dx.doi.org/10.1038/srep07230> (2014)

175)-A simple spin model for three step relaxation and secondary processes in glass formers

Andrea Crisanti (a,b); Luca Leuzzi (a,c)SUBJECTSecondary processSUBJECTGlassSUBJECTMode Coupling TheorySUBJECTSpin glassSUBJECTSpherical models

Journal of non-crystalline solids 407 (2014): 110–117.

<https://dx.doi.org/10.1016/j.jnonclysol.2014.07.048>

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F. Di Mei (1,2); J. Parravicini (1,3); D. Pierangeli (1); C. Conti (4); J. Agranat (5); E. DelRe (1,3)SUBJECTnonlinear opticsSUBJECTphotorefractive optics
Optics express 22 (2014): 31434–31439.

<https://dx.doi.org/10.1364/OE.22.031434>

177)-Photosystem II based multilayers obtained by electrostatic layer-by-layer assembly on quartz substrates

Ventrella, Andrea; Catucci, Lucia; Placido, Tiziana; Longobardi, Francesco; Agostiano, Angela
SUBJECT Photosystem I
SUBJECT Self-assembly
SUBJECT Electron transfer
SUBJECT Absorption spectroscopy
SUBJECT AFM
Journal of bioenergetics and biomembranes 46 (2014): 221–228.
<https://dx.doi.org/10.1007/s10863-014-9544-1>

178)-GISAXS and GIWAXS study on self-assembling processes of nanoparticle based superlattices

Corricelli, M.; Altamura, D.; Curri, M. L.; Sibillano, T.; Siliqi, D.; Mazzone, A.; Depalo, N.; Fanizza, E.; Zanchet, D.; Giannini, C.; Striccoli, M.
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Magliulo M.; Altamura D.; Di Franco C.; Santacroce M.V.; Manoli K.; Mallardi A.; Palazzo G.; Scamarcio G.; Giannini C.; Torsi L.
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<https://dx.doi.org/10.1021/jp504652u>

180)-Temperature Dependence of the Structural Relaxation Time in Equilibrium below the Nominal T-g: Results from Freestanding Polymer Films

Ngai, K. L.; Capaccioli, Simone; Paluch, Marian; Prevosto, Daniele
SUBJECT.
The journal of physical chemistry. B 118 (2014): 5608–5614.
<https://dx.doi.org/10.1021/jp502846t>

181)-Origins of the two simultaneous mechanisms causing glass transition temperature reductions in high molecular weight freestanding polymer films

Prevosto, Daniele; Capaccioli, Simone; Ngai, K. L.
SUBJECT.
The Journal of chemical physics 140 (2014).
<https://dx.doi.org/10.1063/1.4865752>

182)-Insights into meso-structured photoanodes based on titanium oxide thin film with high dye adsorption ability

Di Carlo, Gabriella; Calogero, Giuseppe; Brucale, Marco; Caschera, Daniela; de Caro, Tilde; Di Marco, Gaetano; Ingo, Gabriel M.
SUBJECT N719 dye adsorption
SUBJECT Morphological properties
SUBJECT Surface roughness
SUBJECT Ordered mesoporous materials
SUBJECT Dye-sensitized solar cells
Journal of alloys and compounds 609 (2014): 116–124.
<https://dx.doi.org/10.1016/j.jallcom.2014.04.145>

183)-Nanocomposites Based on Luminescent Colloidal Nanocrystals and Polymeric Ionic Liquids towards Optoelectronic Applications

Panniello, Annamaria; Ingrosso, Chiara; Coupillaud, Paul; Tamborra, Michela; Binetti, Enrico; Curri, Maria Lucia; Agostiano, Angela; Taton, Daniel; Striccoli, MarinellaSUBJECTcolloidal nanocrystalsSUBJECTpolymeric ionic liquidsSUBJECTnanocompositesSUBJECTsurface functionalizationSUBJECTtime-resolved spectroscopy

Materials (Basel) 7 (2014): 591–610.

<https://dx.doi.org/10.3390/ma7010591>

184)-Biotin-decorated silica coated PbS nanocrystals emitting in the second biological near infrared window for bioimaging

Corricelli, Michela; Depalo, Nicoletta; Di Carlo, E.; Fanizza, Elisabetta; Laquintana, Valentino; Denora, Nunzio; Agostiano, A.; Striccoli, Marinella; Curri, Maria LuciaSUBJECT. *Nanoscale (Print)* 6 (2014): 7924–7933.

<https://dx.doi.org/10.1039/c4nr01025f>

185)-Selective confinement of oleylamine capped Au nanoparticles in self-assembled PS-b-PEO diblock copolymer templates

Di Mauro, A. Evelyn; Striccoli, Marinella; Depalo, Nicoletta; Fanizza, Elisabetta; Cano, Laida; Ingrosso, Chiara; Agostiano, Angela; Curri, M. Lucia; Tercjak, AgnieszkaSUBJECT. *Soft matter (Print)* 10 (2014): 1676–1684.

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186)-Applicative study (Part I): the excellent conditions to remove in batch direct textile dyes (Direct red, Direct blue and Direct yellow) from aqueous solutions by adsorption processes on low-cost chitosan films under different conditions

Vito Rizzi; Alessandra Longo; Paola Fini; Paola Semeraro; Pinalysa Cosma; Esther Franco; Rocío García; ; Marcela Ferrándiz; Estrella Núñez; José Antonio Gabaldón; Isabel Fortea; Enrique Pérez; Miguel FerrándizSUBJECTChitosan FilmSUBJECTTextile DyesSUBJECTAdsorption ProcessesSUBJECTWastewater

Advances in chemical engineering and science (Online) 4 (2014): 454–469.

<https://dx.doi.org/10.4236/aces.2014.44048>

187)-pH-related features and photostability of 4-thiothymidine in aqueous solution: an investigation by UV-visible, NMR and FTIR-ATR spectroscopies and by electrospray ionization mass spectrometry

Rizzi, Vito; Losito, Ilario; Ventrella, Andrea; Fini, Paola; Agostiano, Angela; Longobardi, Francesco; Cosma, PinalysaSUBJECT4-thiothymidineSUBJECTphotostability

RSC advances 4 (2014): 48804–48814.

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188)-Chitosan Nanoparticles for Topical Co-administration of the Antioxidants Glutathione and Idebenone: Characterization and In vitro Release

Lucia Montenegro; Adriana Trapani; Paola Fini; Delia Mandracchia; Andrea Latrofa; Nicola Cioffi; Laura Chiarantini; Giusi Giada Picceri; Serena Brundu and Giovanni Puglisi
SUBJECT Polymeric nanoparticles; glutathione; idebenone; chitosan; cyclodextrins; topical delivery.

British journal of pharmaceutical research 4 (2014): 2387–2406.

<https://dx.doi.org/10.9734/BJPR/2014/8641>

189)-H-bonding driven assembly of colloidal Au nanoparticles on nanostructured poly(styrene-b-ethylene oxide) block copolymer templates

Di Mauro, A. Evelyn; Villone, Vincenzo; Ingrosso, Chiara; Corricelli, Michela; Oria, Lorea; Perez-Murano, Francesc; Agostiano, Angela; Striccoli, Marinella; Curri, M. L. SUBJECT.

Journal of materials science 49 (2014): 5246–5255.

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190)-beta-Cyclodextrin-grafted on multiwalled carbon nanotubes as versatile nanoplatform for entrapment of guanine-based drugs

Iannazzo, Daniela; Mazzaglia, Antonino; Scala, Angela; Pistone, Alessandro; Galvagno, Signorino; Lanza, Maurizio; Riccucci, Cristina; Ingo, Gabriel Maria; Colao, Ivana; Sciortino, Maria Teresa; Valle, Francesco; Piperno, Anna; Grassi, Giovanni
SUBJECT Click chemistry
SUBJECT Multiwalled carbon nanotubes
SUBJECT beta-Cyclodextrins
SUBJECT Guanine
SUBJECT Acyclovir

Colloids and surfaces. B, Biointerfaces (Print) 123 (2014): 264–270.

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191)-Study of the cold crystallization of poly(ethylene terephthalate) at the air interface by ATR spectroscopy

Massa, Carlo Andrea; Capaccioli, Simone; Manariti, Antonella; Bertoldo, Monica
SUBJECT.

European Polymer Journal 60 (2014): 286–296.

<https://dx.doi.org/10.1016/j.eurpolymj.2014.08.012>

192)-Photosynthetic Machineries in Nano-Systems

Nagy, Laszlo; Magyar, Melinda; Szabo, Tibor; Hajdu, Kata; Giotta, Livia; Dorogi, Marta; Milano, Francesco
SUBJECT Bio-nanocomposite
SUBJECT nanosystems
SUBJECT photosynthesis
SUBJECT reaction centre

Current protein and peptide science (Print) 15 (2014): 363–373.

<https://dx.doi.org/10.2174/1389203715666140327102757>

193)-Reversible hydrogen absorption in a Ti-6Al-4V alloy produced by mechanical alloying

Bonaccorsi L.; Calabrese L.; Pintaudi A.; Proverbio E.; Aliotta F.; Ponterio R.; Scherillo A.; Tresoldi D. SUBJECT Hydrogen absorbing materials; Titanium alloys; Mechanical alloying; Crystal structure; Neutron diffraction

International journal of hydrogen energy 39 (2014): 15540–15548.

<https://dx.doi.org/10.1016/j.ijhydene.2014.07.149>

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

1)-450% Thermal-conductivity increase in silver-filled epoxy resins loaded with carbon nanotubes and graphene

Messina, Elena; Leone, N.; Foti, Antonino; D'Andrea, Cristiano; Fazio, Barbara; Marago, Onofrio M.; Crupi, Cristina; Di Marco, Gaetano D.; Vasi, Cirino S.; Di Carlo, G.; Ricucci, C.; Ingo, Gabriel Maria; Cassata, A.; Gucciardi, Pietro Giuseppe

SUBJECTCarbon nanotubesSUBJECTEpoxy resinSUBJECTGraphene
16th European Conference on Composite Materials, ECCM 2014, Siviglia (Spagna), 22-26/06/2014

<http://www.scopus.com/record/display.url?eid=2-s2.0-84915749406&origin=inward>

info:cnr-pdr/source/autori:Messina, Elena; Leone, N.; Foti, Antonino; D'Andrea, Cristiano; Fazio, Barbara; Marago, Onofrio M.; Crupi, Cristina; Di Marco, Gaetano D.; Vasi, Cirino S.; Di Carlo, G.; Ricucci, C.; Ingo, Gabriel Maria; Cassata, A.; Gucciardi, Pietro Giuseppe/congresso_nome:16th European Conference on Composite Materials, ECCM 2014/congresso_luogo:Siviglia (Spagna)/congresso_data:22-26/06/2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

2)-Unravelling Cobalt Binding to Photosynthetic Bacterium by X-ray Absorption Spectroscopy

B. D. Belviso; Italiano F.; Caliandro R.; Trotta M.

SUBJECTCobaltSUBJECTBioremediation
2014
<http://www.cnr.it/prodotto/i/158361>

3)-Cu-modified TiO₂-based photocatalysts for visible light active photodegradation in water and gas matrices

Truppi A and Petronella F and Negro P and Sardella E and Agostiano A and Curri ML and COMPARELLI R.

8th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications - SPEA 8, 2014

<http://www.cnr.it/prodotto/i/295451>

info:cnr-pdr/source/autori:Truppi A and Petronella F and Negro P and Sardella E and Agostiano A and Curri ML and COMPARELLI R./congresso_nome:8th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications - SPEA 8/congresso_luogo:/congresso_data:2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

4)-Photocatalytic activity of TiO₂ Shape-Controlled Nanocrystals onto Single Walled Carbon Nanotube

Petronella F and Curri ML and Striccoli M and Mateo-Mateo C and Alvarez-Puebla RA and Agostiano A and Correa-Duarte MA and COMPARELLI R.

8th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications - SPEA 8, 2014

<http://www.cnr.it/prodotto/i/295452>

info:cnr-pdr/source/autori:Petronella F and Curri ML and Striccoli M and Mateo-Mateo C and Alvarez-Puebla RA and Agostiano A and Correa-Duarte MA and COMPARELLI R./congresso_nome:8th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications - SPEA 8/congresso_luogo:/congresso_data:2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

5)-Influence of the coronary arteries on the flow in the aortic root

S.Fortini; G.Querzoli; S.Espa; S.Melchionna

EFMC 10 - European Fluid Mechanics Conference, 2014

<http://www.cnr.it/prodotto/i/289812>

info:cnr-pdr/source/autori:S.Fortini, G.Querzoli, S.Espa, S.Melchionna/congresso_nome:EFMC 10 - European Fluid Mechanics Conference/congresso_luogo:/congresso_data:2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

6)-Influence of the coronaries on the flow in the aortic root

S.Fortini; S.Espa; G. Querzoli; S. Melchionna; A. Cenedese

17th Int. Symp. On Applications of Laser Techniques to Fluid Mechanics, Lisbona, 2014

<http://www.cnr.it/prodotto/i/289813>

info:cnr-pdr/source/autori:S.Fortini, S.Espa, G. Querzoli, S. Melchionna, A. Cenedese/congresso_nome:17th Int. Symp. On Applications of Laser Techniques to Fluid Mechanics/congresso_luogo:Lisbona/congresso_data:2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

7)-From medical imaging to computer simulation of fractional flow reserve in four coronary artery trees

Melchionna S.; Fortini S.; Bernaschi M.; Bisson M.; Kang N.; Lee H.-E.SUBJECTAtherosclerotic plaquesSUBJECTFractional Flow ReserveSUBJECTHemodynamicsSUBJECTHigh-Performance computingSUBJECTIn vitro analysisSUBJECTSegmentation to Simulation pipeline

SPIE Medical Imaging, 2014

<https://dx.doi.org/10.1117/12.2043236>

info:cnr-pdr/source/autori:Melchionna S.; Fortini S.; Bernaschi M.; Bisson M.; Kang N.; Lee H.-E./congresso_nome:SPIE Medical Imaging/congresso_luogo:/congresso_data:2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

8)-Studio dei metodi di forgiatura di sue spade giapponesi della Wallace collection

E. Barzagli (1,2); F. Grazzi (1); A. Williams (3); D. Edge (3); A. Scherillo (4,5); M. Zoppi (1)
AIAR - 8° Congresso Nazionale di Archeometria, Scienza e Beni Culturali: stato dell'arte e prospettive, Bologna, 5-7 Febbraio 2014

<http://www.associazioneaiar.com/cms/content/extended-abstract>

info:cnr-pdr/source/autori:E. Barzagli (1,2); F. Grazzi (1); A. Williams (3); D. Edge (3); A. Scherillo (4,5); M. Zoppi (1)/congresso_nome:AIAR - 8° Congresso Nazionale di Archeometria, Scienza e Beni Culturali: stato dell'arte e prospettive/congresso_luogo:Bologna/congresso_data:5-7 Febbraio 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

9)-LC-ESI-MSn characterization of ornithine lipids from <i>Rhodobacter sphaeroides</i>

Sara Granafei; G. Valenza; V. De Leo; F. Italiano; M. Trotta; F. Palmisano; T. R. I. Cataldi
XXV Congresso Nazionale della Società Chimica Italiana, Università della Calabria, Rende (Cs), 7 - 12 Settembre

<http://www.cnr.it/prodotto/i/283805>

info:cnr-pdr/source/autori:Sara Granafei, G. Valenza, V. De Leo, F. Italiano, M. Trotta, F. Palmisano, T. R. I. Cataldi/congresso_nome:XXV Congresso Nazionale della Società Chimica Italiana/congresso_luogo:Università della Calabria, Rende (Cs)/congresso_data:7 - 12 Settembre/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

10)-Spectroscopic characterization of photosynthetic reaction centers embedded in ABA tri-block polymersomes

Roberto R. Tangorra; A. Operamolla; F. Milano; O. Hassan Omar; J. Henrard; R. Comparelli; F. Italiano; A. Agostiano; G. M. Farinola; M. Trotta

XXV Congresso Nazionale della Società Chimica Italiana, Università della Calabria, Rende (Cs), 7 - 12 Settembre

<http://www.cnr.it/prodotto/i/283807>

info:cnr-pdr/source/autori:Roberto R. Tangorra, A. Operamolla, F. Milano, O. Hassan Omar, J. Henrard, R. Comparelli, F. Italiano, A. Agostiano, G. M. Farinola, M. Trotta/congresso_nome:XXV Congresso Nazionale della Società Chimica Italiana/congresso_luogo:Università della Calabria, Rende (Cs)/congresso_data:7 - 12 Settembre/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

11)-How cobalt binds to photosynthetic bacterium *R. sphaeroides*: a XAS study

Benny Danilo Belviso; R. Caliandro; F. Italiano; B. Carrozzini; A. Costanza; M. Trotta

XXV Congresso Nazionale della Società Chimica Italiana, Università della Calabria, Rende (Cs), 7 - 12 Settembre

<http://www.cnr.it/prodotto/i/283808>

info:cnr-pdr/source/autori:Benny Danilo Belviso, R. Caliandro, F. Italiano, B. Carrozzini, A. Costanza, M. Trotta/congresso_nome:XXV Congresso Nazionale della Società Chimica Italiana/congresso_luogo:Università della Calabria, Rende (Cs)/congresso_data:7 - 12 Settembre/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

12)-Bi-fuel supply is adopted by Rhodobacter sphaeroides to cope with high concentrations of Cobalt ions

M. Volpicella; A. Costanza; O. Palumbo; F. Italiano; C. Leoni; A. Placido; E. Picardi; M. Carella; M. Trotta; L.R. Ceci

SUBJECTPhotosynthesisSUBJECTbioremediation
XIII congresso Federazione Italiana Scienze della Vita, Pisa, 24-27 settembre 2014

<http://fisv2014.azuleon.org/>

info:cnr-pdr/source/autori:M. Volpicella, A. Costanza, O. Palumbo, F. Italiano, C. Leoni, A. Placido, E. Picardi, M. Carella, M. Trotta, L.R. Ceci/congresso_nome:XIII congresso Federazione Italiana Scienze della Vita/congresso_luogo:Pisa/congresso_data:24-27 settembre 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

13)-Structural Organization in Neat Ionic Liquids and in Their Mixtures

Olga Russina; Barbara Fazio; Gaetano Di Marco; Ruggero Caminiti; Alessandro Triolo

The Structure of Ionic Liquids, pp. 39–62. CH-6330 Cham (ZG): Springer International Publishing, 2014

<https://dx.doi.org/10.1007/978-3-319-01698-6>

info:cnr-pdr/source/autori:Olga Russina, Barbara Fazio, Gaetano Di Marco, Ruggero Caminiti and Alessandro Triolo/titolo:Structural Organization in Neat Ionic Liquids and in Their Mixtures/titolo_volume:The Structure of Ionic Liquids/curatori_volume:/editore:

/anno:2014

14)-Polarization Dependent Optical Forces on Chiral Microresonators

M. G. Donato; J. Hernandez; A. Mazzulla; C. Provenzano; R. Saija; M. A. Iatì; A. Magazzù; P. Pagliusi; R. Bartolino; P. G. Gucciardi; O. M. Maragò; G. Cipparrone

SUBJECTchiralitySUBJECTOptical tweezersSUBJECTliquid crystalsSUBJECTpolymers
Frontiers in Optics, Tucson, Arizona United States, 19-23 ottobre 2014

<https://dx.doi.org/10.1364/FIO.2014.FTu2G.5>

info:cnr-pdr/source/autori:M. G. Donato, J. Hernandez, A. Mazzulla, C. Provenzano, R. Saija, M. A. Iatì, A. Magazzù, P. Pagliusi, R. Bartolino, P. G. Gucciardi, O. M. Maragò, G.

Cipparrone/congresso_nome:Frontiers in Optics/congresso_luogo:Tucson, Arizona United States/congresso_data:19-23 ottobre 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

15)-Pre-roman coins from northern Italy: characterization with neutron diffraction analysis and first results

J. Corsi (1,2); A. Lo Giudice (1,2); A. Re (1,2); A. Scherillo (3,4), F. Grazzi (5); F. Barello (6)
8° Congresso Nazionale di Archeometria, Scienze e Beni culturali: stato dell'arte e prospettive, pp. online, Bologna, Italy, 5-7 Febbraio 2014

<http://www.associazionear.com/wp/eventi/viii-congresso-nazionale/>

info:cnr-pdr/source/autori:J. Corsi (1,2); A. Lo Giudice (1,2); A. Re (1,2); A. Scherillo (3,4), F. Grazzi (5); F. Barello (6)/congresso_nome:8° Congresso Nazionale di Archeometria, Scienze e Beni culturali: stato dell'arte e prospettive/congresso_luogo:Bologna, Italy/congresso_data:5-7 Febbraio 2014/anno:2014/pagina_da:online/pagina_a:/intervallo_pagine:online

16)-Molecular wires from discotic liquid crystals

Park J.H.; Labardi M.; Scalia G.SUBJECTatomic force microscopySUBJECTdiscotic liquid crystalsSUBJECTmolecular nanowiresSUBJECToptical microscopySUBJECTself-assembly
Emerging Liquid Crystal Technologies IX, 2014

<https://dx.doi.org/10.1117/12.2049178>

info:cnr-pdr/source/autori:Park J.H.; Labardi M.; Scalia G./congresso_nome:Emerging Liquid Crystal Technologies IX/congresso_luogo:/congresso_data:2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

17)-Dynamics of dendritic polymers in the bulk and under confinement

Chrissopoulou K.; Fotiadou S.; Androulaki K.; Tanis I.; Karatasos K.; Prevosto D.; Labardi M.; Frick B.; Anastasiadis S.H.SUBJECTConfinementSUBJECTIntercalationSUBJECTLayered SilicatesSUBJECTPolymer Dynamics
7th International Conference on Times of Polymers (TOP) and Composites, pp. 250–253, Ischia (Italy), 22/6/2014

<https://dx.doi.org/10.1063/1.4876825>

info:cnr-pdr/source/autori:Chrissopoulou K.; Fotiadou S.; Androulaki K.; Tanis I.; Karatasos K.; Prevosto D.; Labardi M.; Frick B.; Anastasiadis S.H./congresso_nome:7th International Conference on Times of Polymers (TOP) and Composites/congresso_luogo:Ischia (Italy)/congresso_data:22/6/2014/anno:2014/pagina_da:250/pagina_a:253/intervallo_pagine:250–253

18)-Parameter identification and real-time J-V curve reconstruction of polymer PV and dye-sensitized cells using non-iterative algorithms

S. Cannizzaro; M.C. Di Piazza; M. Luna; G. Vitale; G. Calogero; I. Citro
SUBJECT Polymer Film
SUBJECT Simulation
SUBJECT Modelling / Modeling
SUBJECT Dye-Sensitized
SUBJECT Dye-Sensitized
SUBJECT Parameter Identification

European PV Solar Energy Conference and Exhibition, (EU PVSEC 2014), pp. 1548–1553, Amsterdam, Paesi Bassi, 22-26 settembre 2014

<https://dx.doi.org/10.4229/EUPVSEC20142014-3BV.5.15>

info:cnr-pdr/source/autori:S. Cannizzaro, M.C. Di Piazza, M. Luna, G. Vitale, G. Calogero, I. Citro/congresso_nome:European PV Solar Energy Conference and Exhibition, (EU PVSEC 2014),/congresso_luogo:Amsterdam, Paesi Bassi/congresso_data:22-26 settembre 2014/anno:2014/pagina_da:1548/pagina_a:1553/intervallo_pagine:1548–1553

19)-Low band gap rod-coil diblock copolymer as nanostructuring compatibilizer of PCPDTBT/CdSe nanocrystals-based hybrid solar cells

S. Zappia; S. Destri; A. E. Di Mauro; M. Striccoli; M.L. Curri; R. Mastria; A. Rizzo

Italian Photochemistry Meeting 2014, Abbiategrasso (MI), 27-29/11/2014

<http://www.cnr.it/prodotto/i/292404>

info:cnr-pdr/source/autori:S. Zappia, S. Destri, A. E. Di Mauro, M. Striccoli, M.L. Curri, R. Mastria, A. Rizzo/congresso_nome:Italian Photochemistry Meeting 2014/congresso_luogo:Abbiategrasso (MI)/congresso_data:27-29/11/2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

20)-Morphological study of CdSe nanocrystals passivated with a low band gap rod-coil diblock copolymer for hybrid solar cells

Stefania Zappia; Silvia Destri; Marinella Striccoli; Maria Lucia Curri; A. Evelyn Di Mauro; Zoobia Ameer; Giuseppe Maruccio; Aurora Rizzo; Rosanna Mastria
SUBJECT AFM
SUBJECT Block Copolymer
SUBJECT CdSe

Nanocrystals
SUBJECT Hybrid Solar Cells
SUBJECT PCPDTBT
SUBJECT Rod-Coil

6th Forum on New Materials - Part A, edited by Pietro Vicentini, pp. 235–240, 2014

<https://dx.doi.org/10.4028/www.scientific.net/AST.93>

info:cnr-pdr/source/autori:Stefania Zappia, Silvia Destri, Marinella Striccoli, Maria Lucia Curri, A. Evelyn Di Mauro, Zoobia Ameer, Giuseppe Maruccio, Aurora Rizzo, Rosanna Mastria/titolo:Morphological study of CdSe nanocrystals passivated with a low band gap rod-coil diblock copolymer for hybrid solar cells/titolo_volume:6th Forum on New Materials - Part A/curatori_volume:Pietro Vicentini/editore:/anno:2014

21)-Synthesis of rod-coil diblock copolymer with different approaches and its use for passivation of CdSe nanocrystals

S. Zappia; S. Destri; M. Striccoli; M.L. Curri; A. E. Di Mauro; A. Rizzo; R. Mastria

CIMTEC 2014, 6 th Forum on new materials, Montecatini Terme (PT), 15-19/06/2014

<http://www.cnr.it/prodotto/i/292384>

info:cnr-pdr/source/autori:S. Zappia, S. Destri, M. Striccoli, M.L. Curri, A. E. Di Mauro, A. Rizzo, R. Mastria/congresso_nome:CIMTEC 2014, 6 th Forum on new materials/congresso_luogo:Montecatini Terme (PT)/congresso_data:15-19/06/2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

22)-Graphene/Nanotubes hybrid counter-electrode for dye-sensitized solar cell

Francesco Bonaccorso; Giuseppe Calogeroa; Ilaria Citro; Cristina Crupi; Vittorio Pellegrinib; Gaetano Di Marco

ChemOnTubes, Riva del Garda, Italy, March 30th- April 3rd 2014,

<http://www.cnr.it/prodotto/i/299675>

info:cnr-pdr/source/autori:Francesco Bonaccorso, Giuseppe Calogeroa,Ilaria Citro , Cristina Crupi, Vittorio Pellegrinib, Gaetano Di Marco/congresso_nome:ChemOnTubes/congresso_luogo:Riva del Garda, Italy/congresso_data:March 30th- April 3rd 2014,/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

23)-A study on flavylum salts as bio-inspired sensitizers for dye-sensitized solar cells

G. Calogero; I. Citro; A. Bartolotta; G. Di Marco; S. Caramori; C. A. Bignozzi; V. Petrov; A. M. Diniz; A. J. Parola; F. Pina.

Workshop Photovoltaics: New frontiers and applications, Lecce, 16/18 October 2014

<http://www.cnr.it/prodotto/i/299891>

info:cnr-pdr/source/autori:G. Calogero, I. Citro, A. Bartolotta,G. Di Marco, S. Caramori, C. A. Bignozzi, V. Petrov, A. M. Diniz, A. J. Parola, F. Pina./congresso_nome:Workshop Photovoltaics: New frontiers and applications/congresso_luogo:Lecce/congresso_data:16/18 October 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

24)-Low temperature synthesis of mesoporous titania films with ordered porous structure and high surface area for flexible solar cells

C. Giuliani; G. Di Carlo; G. Calogero; I. Citro; G. Di Marco; G.M. Ingo

Workshop Photovoltaics: New frontiers and applications, Lecce, 16/18 October 2014

<http://www.cnr.it/prodotto/i/299897>

info:cnr-pdr/source/autori:C. Giuliani, G. Di Carlo, G. Calogero, I. Citro, G. Di Marco, G.M. Ingo/congresso_nome:Workshop Photovoltaics: New frontiers and applications/congresso_luogo:Lecce/congresso_data:16/18 October 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

25)-Bursting photosynthesis: designing ad-hoc fluorophores to complement the light harvesting capability of the photosynthetic reaction center

O. Hassan Omar; ; R. R. Tangorra; F. Milano; D. Vona; A. Operamolla; S. la Gatta; A. Agostiano; M. Trotta; G.M. Farinola; R. RagniSUBJECTbiological synthesis (assembly)SUBJECTbiological synthesis (chemical reaction)SUBJECTbiomimetic (assembly)
2014 MRS Spring Meeting - Symposium Z - Bioelectronics--Materials, Processes and Applications, San Francisco, 21-21/4/2014
<https://dx.doi.org/10.1557/opl.2014.617>

info:cnr-pdr/source/autori:O. Hassan Omar, , R. R. Tangorra, F. Milano, D. Vona, A. Operamolla, S. la Gatta, A. Agostiano, M. Trotta, G.M. Farinola and R. Ragni/congresso_nome:2014 MRS Spring Meeting - Symposium Z - Bioelectronics--Materials, Processes and Applications/congresso_luogo:San Francisco/congresso_data:21-21/4/2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

26)-High surface area and mesoporous titania films with ordered porous structure for flexible solar cells

Gabriella Di Carlo; Giuseppe Calogero; Chiara Giuliani; Gaetano Di Marco; Gabriel M Ingo
HOPV14 - 6th International Conference on Hybrid and Organic Photovoltaics, Lausanne, 11th to 14th May 2014
<http://www.cnr.it/prodotto/i/299924>

info:cnr-pdr/source/autori:Gabriella Di Carlo, Giuseppe Calogero, Chiara Giuliani, Gaetano Di Marco, Gabriel M Ingo/congresso_nome:HOPV14 - 6th International Conference on Hybrid and Organic Photovoltaics/congresso_luogo:Lausanne/congresso_data:11th to 14th May 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

27)-[4]Antocyanins, Betalains and Chlorophylls : the A B C of bio-photovoltaics

Ilaria Citro; Carini; Antonio Bartolotta; Giuseppe Calogero; Gaetano Di Marco
HOPV14 - 6th International Conference on Hybrid and Organic Photovoltaics, Lausanne, 11th to 14th May 2014
<http://www.cnr.it/prodotto/i/299946>

info:cnr-pdr/source/autori:Ilaria Citro, Carini, Antonio Bartolotta, Giuseppe Calogero, Gaetano Di Marco/congresso_nome:HOPV14 - 6th International Conference on Hybrid and Organic Photovoltaics/congresso_luogo:Lausanne/congresso_data:11th to 14th May 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

28)-A bio-organic hybrid photosynthetic complex for enhanced photoconversion

G. M. Farinola; A. Operamolla; R. Tangorra; F. Milano; O. Hassan Omar; D. Belviso; R. Caliendo; F. Italiano; R. Ragni; A. Agostiano; M. TrottaSUBJECTPhotosynthesis
2014 MRS Spring Meeting & Exhibit - Symposium G : Photoactivated Chemical and Biochemical Processes on Semiconductor Surfaces, San Francisco, California (USA), April 21-25, 2014
<http://www.cnr.it/prodotto/i/300013>

info:cnr-pdr/source/autori:G. M. Farinola, A. Operamolla, R. Tangorra, F. Milano, O. Hassan Omar, D. Belviso, R. Caliandro, F. Italiano, R. Ragni, A. Agostiano, M. Trotta/congresso_nome:2014 MRS Spring Meeting & Exhibit - Symposium G : Photoactivated Chemical and Biochemical Processes on Semiconductor Surfaces/congresso_luogo:San Francisco, California (USA)/congresso_data:April 21-25, 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

29)-Photo/Electro-active materials from photosynthetic microorganisms and p-greek-conjugated molecules

G. M. Farinola; A. Operamolla; R. Tangorra; F. Milano; O. Hassan Omar; D. Belviso; R. Caliandro; F. Italiano; R. Ragni; A. Agostiano; M. Trotta
SUBJECT photosynthesis
2014 MRS Spring Meeting & Exhibit - Symposium Z: Bioelectronics: Materials, Processes and Applications, San Francisco, California (USA), April 21-25, 2014
<http://www.cnr.it/prodotto/i/300018>

info:cnr-pdr/source/autori:G. M. Farinola, A. Operamolla, R. Tangorra, F. Milano, O. Hassan Omar, D. Belviso, R. Caliandro, F. Italiano, R. Ragni, A. Agostiano, M. Trotta/congresso_nome:2014 MRS Spring Meeting & Exhibit - Symposium Z: Bioelectronics: Materials, Processes and Applications/congresso_luogo:San Francisco, California (USA)/congresso_data:April 21-25, 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

30)-Functional reconstitution of photosynthetic reaction centres in polymersomes

F. Milano; R. R. Tangorra; O. Hassan Omar; J. Henrard; R. Comparelli; F. Italiano; A. Operamolla; A. Agostiano; G. M. Farinola; M. Trotta
PHOTOTECH: Photosynthetic proteins for technological applications: biosensors and biochips - COST ACTION TD1102 2nd PLENARY WORKSHOP, Istanbul (Turchia), 8-11 Aprile 2014
<http://www.cnr.it/prodotto/i/300023>

info:cnr-pdr/source/autori:F. Milano; R. R. Tangorra; O. Hassan Omar; J. Henrard; R. Comparelli; F. Italiano; A. Operamolla; A. Agostiano; G. M. Farinola; M. Trotta/congresso_nome:PHOTOTECH: Photosynthetic proteins for technological applications: biosensors and biochips - COST ACTION TD1102 2nd PLENARY WORKSHOP/congresso_luogo:Istanbul (Turchia)/congresso_data:8-11 Aprile 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

31)-Organic conjugated oligomers: a versatile class of molecules for photobiological systems

A. Operamolla; R. Ragni; F. Milano; R. R. Tangorra; O. Hassan Omar; A. Agostiano; G. M. Farinola; M. Trotta
Congresso annuale 2014 della Società Italiana di Fotobiologia, Trento, 11-13 Giugno 2014
<http://www.cnr.it/prodotto/i/300028>

info:cnr-pdr/source/autori:A. Operamolla, R. Ragni, F. Milano, R. R. Tangorra, O. Hassan Omar, A. Agostiano, G. M. Farinola, M. Trotta/congresso_nome:Congresso annuale 2014 della

Società Italiana di Fotobiologia/congresso_luogo:Trento/congresso_data:11-13 Giugno 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

32)-Bio-organic Hybrid Photoconverters from Organic Dyes and a Bacterial Photoenzyme

G. M. Farinola; A. Operamolla; O. Hassan Omar; F. Milano; R. R. Tangorra; R. Ragni; S. La Gatta; A. Agostiano; M. Trotta

Advances in Photocatalytic Materials for Energy and Environmental Sustainability: CIMTEC 6th Forum on New Materials, Montecatini Terme, 15-19 Giugno 2014

<http://www.cnr.it/prodotto/i/300030>

info:cnr-pdr/source/autori:G. M. Farinola; A. Operamolla; O. Hassan Omar; F. Milano; R. R. Tangorra; R. Ragni; S. La Gatta; A. Agostiano; M. Trotta/congresso_nome:Advances in Photocatalytic Materials for Energy and Environmental Sustainability: CIMTEC 6th Forum on New Materials/congresso_luogo:Montecatini Terme/congresso_data:15-19 Giugno 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

33)-Organic conjugated light harvesting antennas for photosynthetic proteins

R. Ragni; F. Milano; R. R. Tangorra; O. Hassan Omar; A. Operamolla; A. Agostiano; M. Trotta; G. M. Farinola

10th Spanish-Italian Symposium on Organic Chemistry SISOC-X, Firenze, 17-20 Luglio 2014

<http://www.cnr.it/prodotto/i/300031>

info:cnr-pdr/source/autori:R. Ragni, F. Milano, R. R. Tangorra, O. Hassan Omar, A. Operamolla, A. Agostiano, M. Trotta, G. M. Farinola/congresso_nome:10th Spanish-Italian Symposium on Organic Chemistry SISOC-X/congresso_luogo:Firenze/congresso_data:17-20 Luglio 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

34)-Organic conjugated light harvesting antennas for photosynthetic proteins

R. Ragni; F. Milano; R. R. Tangorra; O. Hassan Omar; A. Operamolla; A. Agostiano; M. Trotta; G. M. Farinola

European Optical Society Annual Meeting EOSAM 2014, Berlino (DE), 15-19 Settembre 2014

<http://www.cnr.it/prodotto/i/300033>

info:cnr-pdr/source/autori:R. Ragni, F. Milano, R. R. Tangorra, O. Hassan Omar, A. Operamolla, A. Agostiano, M. Trotta, G. M. Farinola/congresso_nome:European Optical Society Annual Meeting EOSAM 2014/congresso_luogo:Berlino (DE)/congresso_data:15-19 Settembre 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

35)-Hybrid photoconverters from molecular dyes and photosynthetic bacteria

G. M. Farinola; A. Operamolla; O. Hassan Omar; R. R. Tangorra; F. Milano; R. Ragni; S. La Gatta; A. Agostiano; M. Trotta

II International Workshop on Photovoltaics: new frontiers and applications, Lecce, 16-18 ottobre

<http://www.cnr.it/prodotto/i/300034>

info:cnr-pdr/source/autori:G. M. Farinola, A. Operamolla, O. Hassan Omar, R. R. Tangorra, F. Milano, R. Ragni, S. La Gatta, A. Agostiano, M. Trotta/congresso_nome:II International Workshop on Photovoltaics: new frontiers and applications/congresso_luogo:Lecce/congresso_data:16-18 ottobre/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

36)-Hybrid photoconverters from molecular dyes and photosynthetic bacteria

G. M. Farinola; O. Hassan Omar; A. Operamolla; R. R. Tangorra; R. Ragni; F. Milano; A. Agostiano; M. TrottaSUBJECTphotosynthesis
2014 MRS Fall Meeting & Exhibit - Symposium A : Organic Bioelectronics, Bostom (USA), 30 Novembre - 5 Dicembre

<http://www.cnr.it/prodotto/i/300035>

info:cnr-pdr/source/autori:G. M. Farinola, O. Hassan Omar, A. Operamolla, R. R. Tangorra, R. Ragni, F. Milano, A. Agostiano, M. Trotta/congresso_nome:2014 MRS Fall Meeting & Exhibit - Symposium A : Organic Bioelectronics/congresso_luogo:Bostom (USA)/congresso_data:30 Novembre - 5 Dicembre/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

37)-Photoactive Nanostructures from Photosynthetic Microorganisms and pi-Conjugated Molecules

G. M. Farinola; A. Operamolla; F. Milano; R. R. Tangorra; O. Hassan Omar; R. Ragni; A. Agostiano; M. TrottaSUBJECTPhotosynthesis
2014 MRS Fall Meeting & Exhibit - Symposium F : Reverse Engineering of Bioinspired Nanomaterials, Boston (USA), 30 Novembre - 5 Dicembre

<http://www.cnr.it/prodotto/i/300036>

info:cnr-pdr/source/autori:G. M. Farinola, A. Operamolla, F. Milano, R. R. Tangorra, O. Hassan Omar, R. Ragni, A. Agostiano, M. Trotta/congresso_nome:2014 MRS Fall Meeting & Exhibit - Symposium F : Reverse Engineering of Bioinspired Nanomaterials/congresso_luogo:Boston (USA)/congresso_data:30 Novembre - 5 Dicembre/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

38)-MEMBRO DEL COMITATO ORGANIZZATORE, "Solutions for Solvation: an international workshop to celebrate Jacopo Tomasi on the occasion of his 80th birthday"

Antonio Rizzo

2014

<http://www.cnr.it/prodotto/i/300379>

39)-Flavylium salts as bio-inspired synthetic analogues of anthocyanins for dye-sensitized solar cells.

Giuseppe Calogero; Ilaria Citro; Gaetano Di Marco; Stefano Caramori; Carlo Alberto Bignozzi; Alessandro Sinopoli; Vesselin Petrov; Ana M. Diniz; A. Jorge Parola; Fernando Pina.

HOPV14 - 6th International Conference on Hybrid and Organic Photovoltaics, Lausanne, 11th to 14th May 2014

<http://www.cnr.it/prodotto/i/300450>

info:cnr-pdr/source/autori:Giuseppe Calogero, Ilaria Citro, Gaetano Di Marco, Stefano Caramori, Carlo Alberto Bignozzi, Alessandro Sinopoli, Vesselin Petrov, Ana M. Diniz, A. Jorge Parola, Fernando Pina./congresso_nome:HOPV14 - 6th International Conference on Hybrid and Organic Photovoltaics/congresso_luogo:Lausanne/congresso_data:11th to 14th May 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

40)-[3]Computational, spectrophotometric and photoelectrochemical studies of eco-friendly synthetic ions of novel 3',4'-dihydroxy-7-(N,N-diphenylamino)flavylium (JAD90) and its analogues as sensitizers in dye-sensitized solar cells.

Ilaria Citro; Giuseppe Calogero; Gaetano Di Marco; Stefano Caramori; Carlo Alberto Bignozzi; João Avóç; A. Jorge Parola; Fernando Pina.

HOPV14 - 6th International Conference on Hybrid and Organic Photovoltaics, Lausanne, 11th to 14th May 2014

<http://www.cnr.it/prodotto/i/300454>

info:cnr-pdr/source/autori:Ilaria Citro, Giuseppe Calogero, Gaetano Di Marco, Stefano Caramori, Carlo Alberto Bignozzi, João Avóç, A. Jorge Parola, Fernando Pina./congresso_nome:HOPV14 - 6th International Conference on Hybrid and Organic Photovoltaics/congresso_luogo:Lausanne/congresso_data:11th to 14th May 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

41)-Graphene and Carbon Nanotubes as counter-electrode for dye-sensitized solar cell

Giuseppe Calogero; Francesco Bonaccorso; Ilaria Citro; Cristina Crupi; Vittorio Pellegrini; Gaetano Di Marco

HOPV14 - 6th International Conference on Hybrid and Organic Photovoltaics, Lausanne, 11th to 14th May 2014

<http://www.cnr.it/prodotto/i/300459>

info:cnr-pdr/source/autori:Giuseppe Calogero, Francesco Bonaccorso, Ilaria Citro, Cristina Crupi, Vittorio Pellegrini, Gaetano Di Marco/congresso_nome:HOPV14 - 6th International Conference on Hybrid and Organic Photovoltaics/congresso_luogo:Lausanne/congresso_data:11th to 14th May 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

42)-A complete study on synthetic analogues of anthocyanins as bio-inspired sensitizers for dye-sensitized solar cells

G. Calogero; I. Citro; A. Bartolotta; G. Di Marco; A. Sinopoli; S. Caramori; C. A. Bignozzi; V. Petrov; A. M. Diniz A. J. Parola; F. Pina.

XXV CONGRESSO DELLA SOCIETA' CHIMICA ITALIANA, Rende (CS), 7-12 Settembre 2014
<http://www.cnr.it/prodotto/i/300514>

info:cnr-pdr/source/autori:G. Calogero, I. Citro, A. Bartolotta, G. Di Marco, A. Sinopoli, S. Caramori, C. A. Bignozzi, V. Petrov, A. M. Diniz A. J. Parola, F. Pina./congresso_nome:XXV CONGRESSO DELLA SOCIETA' CHIMICA ITALIANA/congresso_luogo:Rende (CS)/congresso_data:7-12 Settembre 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

43)-Computational and experimental studies of novel 3',4'-dihydroxy-7-(N,N-diphenylamino) flavylum as sensitizers in dye-sensitized solar cells.

I. Citro; G. Calogero; G. Di Marco; S. Caramori; C. A. Bignozzi; J. Avó; A. J.Parola; F. Pina
XXV CONGRESSO DELLA SOCIETA' CHIMICA ITALIANA, Rende (CS), 7-12 Settembre 2014
<http://www.cnr.it/prodotto/i/300518>

info:cnr-pdr/source/autori:I. Citro, G. Calogero,G. Di Marco, S. Caramori, C. A. Bignozzi, J. Avó, A. J.Parola, F. Pina/congresso_nome:XXV CONGRESSO DELLA SOCIETA' CHIMICA ITALIANA/congresso_luogo:Rende (CS)/congresso_data:7-12 Settembre 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

44)-VIGOR: Applicazioni geotermiche per uno sviluppo sostenibile. Produzione di calore ed energia elettrica

S. Abate; S. Botteghi; F. Caiozzi; G. Desiderio; G. Di Bella; A. Donato; G. Lombardo; A. Manzella; A. Santilano; A. Sapienza
PISA: CNR - IGG (PISA), 2014
<urn:isbn:9788879580120>

info:cnr-pdr/source/autori:S. Abate, S. Botteghi, F. Caiozzi, G. Desiderio, G. Di Bella, A. Donato, G. Lombardo, A. Manzella, A. Santilano, A. Sapienza/titolo:VIGOR: Applicazioni geotermiche per uno sviluppo sostenibile. Produzione di calore ed energia elettrica/editore:

/anno:2014

45)-Nanoantenne ottiche per le spettroscopie Raman Surface e tip enhanced

P. G. Gucciardi
Seconda scuola nazionale di biosensori ottici e biofotonica, Otranto (Italy), 15 - 20 settembre 2014
<http://www.cnr.it/prodotto/i/301812>

info:cnr-pdr/source/autori:P. G. Gucciardi/congresso_nome:Seconda scuola nazionale di biosensori ottici e biofotonica/congresso_luogo:Otranto (Italy)/congresso_data:15 - 20 settembre 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

46)-Polarization properties of the SERS Photons emitted by individual and coupled linear nanoantennas

P. G. Gucciardi

Surface Enhanced Spectroscopy SES 2014, Chemnitz, 7 - 10 August 2014

<http://www.cnr.it/prodotto/i/301818>

info:cnr-pdr/source/autori:P. G. Gucciardi/congresso_nome:Surface Enhanced Spectroscopy SES 2014/congresso_luogo:Chemnitz/congresso_data:7 - 10 August 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

47)-How a nanoantenna modifies the polarization state of the SERS photons

P. G. Gucciardi

Journee pleniere du GDR Plasmonique moleculaire, spectroscopie exaltees, Paris, 2-3 June 2014

<http://www.cnr.it/prodotto/i/301824>

info:cnr-pdr/source/autori:P. G. Gucciardi/congresso_nome:Journee pleniere du GDR Plasmonique moleculaire, spectroscopie exaltees/congresso_luogo:Paris/congresso_data:2-3 June 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

48)-Novel architectures for plasmon-enhanced vibrational spectroscopy and biomolecular sensing

C. D'Andrea; B. Fazio; J. Bochterle; M. Cottat; A. Toma; A. Foti; E. Messina; O. M. Maragò; E. Di Fabrizio; M. Lamy de La Chapelle; A. Pucci; P. G. Gucciardi

EPIOPTICS-13, Erice, 26 July - 1 August 2014

<http://www.cnr.it/prodotto/i/301872>

info:cnr-pdr/source/autori:C. D'Andrea, B. Fazio, J. Bochterle, M. Cottat, A. Toma, A. Foti, E. Messina, O. M. Maragò, E. Di Fabrizio, M. Lamy de La Chapelle, A. Pucci, P. G. Gucciardi/congresso_nome:EPIOPTICS-13/congresso_luogo:Erice/congresso_data:26 July - 1 August 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

49)-Optically induced aggregation of gold nanorods for SERS biosensing in liquid environment

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

Nanospectroscopy I, Tuebingen (Germania), March 24 - 28, 2014

<http://www.cnr.it/prodotto/i/301931>

info:cnr-pdr/source/autori:B. Fazio, C. D'Andrea, E. Messina, A. Foti, G. Calogero, V. Villari, N. Micali, O. M. Maragò, and P. G. Gucciardi/congresso_nome:Nanospectroscopy I/congresso_luogo:Tuebingen (Germania)/congresso_data:March 24 - 28, 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

50)-VIGOR: Sviluppo geotermico nelle Regioni della Convergenza

ALBANESE C.; ALLANSDDOTTIR A.; AMATO L.; ARDIZZONE F.; BELLANI S.; BERTINI G.; BOTTEGHI S.; BRUNO D.; CAIELLI G.; CAIOZZI F.; CAPUTI A.; CATALANO R.; CHIESA S.; CONTINO A.; D'ARPA S.; DE ALTERIIS G.; DE FRANCO R.; DELLO BUONO D.; DESTRO E.; DI SIPIO E.; DONATO A.; DOVERI M.; DRAGONE V.; ELLERO A.; FEDI M.; FERRANTI L.; FLORIO G.; FOLINO M.; GALGARO A.; GENNARO C.; GIANELLI G.; GIARETTA A.; GOLA G.; GRECO G.; IAQUINTA P.; INVERSI B.; IORIO M.; IOVINE G.; IZZI F.; LA MANNA M.; LIVANI M.; LOMBARDO G.; LOPEZ N.; MAGNELLI D.; MAIO D.; MANZELLA A.; MARCHESINI I.; MARTINI G.; MASETTI G.; MERCADANTE A.; MINISSALE A.; MONTANARI D.; MONTEGROSSI G.; MONTELEONE S.; MUTO F.; MUTTONI G.; NORINI G.; PELLIZZONE A.; PEROTTA P.; PETRACCHINI L.; PIERINI S.; POLEMIO M.; RIZZO E.; RUSSO L.; SABATINO M.; SANTALOIA F.; SANTILANO A.; SCROCCA S.; SOLERI S.; TANSI C.; TERRANOVA O.; TEZA G.; TRANCHIDA G.; TRUMPY E.; URICCHIO V. E VALENTI V.

Pisa: CNR-IGG, 2014

[urn:isbn:9788879580113](https://nbn-resolving.org/urn:isbn:9788879580113)

info:cnr-pdr/source/autori:ALBANESE C., ALLANSDDOTTIR A. , AMATO L., ARDIZZONE F., BELLANI S., BERTINI G., BOTTEGHI S., BRUNO D. , CAIELLI G., CAIOZZI F., CAPUTI A., CATALANO R., CHIESA S., CONTINO A. , D'ARPA S., DE ALTERIIS G. , DE FRANCO R., DELLO BUONO D., DESTRO E., DI SIPIO E., DONATO A., DOVERI M., DRAGONE V., ELLERO A., FEDI M., FERRANTI L., FLORIO G., FOLINO M., GALGARO A. , GENNARO C. , GIANELLI G., GIARETTA A., GOLA G., GRECO G., IAQUINTA P., INVERSI B., IORIO M. , IOVINE G., IZZI F., LA MANNA M., LIVANI M., LOMBARDO G., LOPEZ N., MAGNELLI D., MAIO D., MANZELLA A. , MARCHESINI I., MARTINI G., MASETTI G., MERCADANTE A., MINISSALE A., MONTANARI D., MONTEGROSSI G., MONTELEONE S. , MUTO F., MUTTONI G., NORINI G., PELLIZZONE A. , PEROTTA P., PETRACCHINI L., PIERINI S., POLEMIO M., RIZZO E., RUSSO L., SABATINO M. , SANTALOIA F., SANTILANO A. , SCROCCA S., SOLERI S., TANSI C., TERRANOVA O., TEZA G. , TRANCHIDA G., TRUMPY E., URICCHIO V. E VALENTI V./titolo:VIGOR: Sviluppo geotermico nelle Regioni della Convergenza/editore:

/anno:2014

51)-Stability of singular, asymmetric stationary states of the Vlasov equation

Nocera L; Palumbo LJ SUBJECTBGK waves SUBJECTVlasov equation SUBJECTFourier Transforms

100th National Congress of the Italian Physical Society, pp. 37–37, Pisa, 22-26/09/2014

<http://puma.isti.cnr.it>

info:cnr-pdr/source/autori:Nocera L; Palumbo LJ/congresso_nome:100th National Congress of the Italian Physical Society/congresso_luogo:Pisa/congresso_data:22-26/09/2014/anno:2014/pagina_da:37/pagina_a:37/intervallo_pagine:37–37

52)-The Eigenfunctions of the Multi-species Liouville Operator for Solitary Waves, Phase-space Holes and Double Layers

Nocera L; Palumbo LJ SUBJECTParticle transport and kinetics SUBJECTLiouville operator SUBJECTVlasov operator SUBJECTinhomogeneity SUBJECTsolitary waves SUBJECTphase-space holes SUBJECTdouble layers SUBJECTcontinuous spectra SUBJECTFourier analysis

pp.1–24, 2014

<http://puma.isti.cnr.it>

53)-Bloch Eigenfunctions of the Inhomogeneous Liouville Operator in the Fourier Transformed Velocity Space

Nocera L; Palumbo LJ SUBJECTParticle transport and kinetics SUBJECTLiouville operator SUBJECTVlasov operator SUBJECTinhomogeneity SUBJECTstability analysis SUBJECTcontinuous spectra SUBJECTFourier analysis

pp.1–25, 2014

<http://puma.isti.cnr.it>

54)-The Permittivity of a Multispecies Ionized Gas to Electrostatic Perturbations: a Fourier Transform, Integral Equation Approach Through Singular Eigenfunction Reconstruction

Palumbo LJ; Nocera L SUBJECTVlasov operator SUBJECTinhomogeneity SUBJECTinstability analysis SUBJECTcontinuous spectra SUBJECTvan Kampen - Case eigenfunctions SUBJECTFourier analysis

pp.1–24, 2014

<http://puma.isti.cnr.it>

55)-The Eigenfunctions of the Inhomogeneous Free-streaming Collisionless Boltzmann Operator in the Fourier Transformed Velocity Space

Palumbo LJ; Nocera L SUBJECTParticle transport and kinetics SUBJECTcollisionless Boltzmann equation SUBJECTLiouville operator SUBJECTinhomogeneity SUBJECTcontinuous spectra SUBJECTFourier analysis

pp.1–16, 2014

<http://puma.isti.cnr.it>

56)-Photocatalytic tests to evaluate photocatalytic performances of TiO₂ -based nanocatalyst

Roberto Comparelli; Francesca Petronella; Alessandra Truppi; Chiara Ingrosso; Marinella Striccoli; M. Lucia Curri; Sapia Murgolo; Giuseppe Mascolo; Viviane Yargeau; Frederic Pelletier; Benedicte Thiebaut; Okorn Mekasuwandumrong; María Casado; Francisco Manuel Castro; Ignacio Calvo

2014

<http://www.cnr.it/prodotto/i/321773>

57)-Photocatalytic Performances of mixed TiO₂-ZrO₂, doped metal oxides and mixed doped metals

S. Rtimi; O. Baghriche; R. Sanjines; C. Pulgarin; J. Kiwi; F. Pelletier; B. Thiebaut; R. Comparelli; F. Petronella; A. Truppi; C.; M. Striccoli; M. L. Curri; P. Pjyasan

2014

<http://www.cnr.it/prodotto/i/321785>

58)-Laser-mediated nanoparticle synthesis and self-assembling

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

Lasers in Materials Science, edited by M. Castillejo, P.M. Ossi., L. Zighilei, pp. 175–212. Berlin Heidelberg: Springer, 2014

https://dx.doi.org/10.1007/978-3-319-02898-9_8

info:cnr-pdr/source/autori:Ossi P.M., Agarwal N.R., Fazio E., Neri F., Trusso S./titolo:Laser-mediated nanoparticle synthesis and self-assembling/titolo_volume:Lasers in Materials Science/curatori_volume:M. Castillejo, P.M. Ossi., L. Zighilei/editore:

/anno:2014

59)-Phage display as a tool for rapid in vitro cell characterization by fluorescence imaging and Raman spectroscopy

Laura De Plano 1; Federica Calabrese 1; Germana Lentini 1; Marco Nicolò 1; Domenico Franco 1; Enza Fazio 2; Sebastiano Trusso 3; Alessandro Allegra 4; Fortunato Neri 2; Salvatore Guglielmino 1

16th european congress on biotechnology, Edinburgh, 13-16 July

<https://dx.doi.org/10.1016/j.nbt.2014.05.1870>

info:cnr-pdr/source/autori:Laura De Plano 1, Federica Calabrese 1, Germana Lentini 1, Marco

Nicolò 1, Domenico Franco 1, Enza Fazio 2, Sebastiano Trusso 3,

Alessandro Allegra 4 , Fortunato Neri 2 , Salvatore Guglielmino 1/congresso_nome:16th european congress on biotechnology/congresso_luogo:Edinburgh/congresso_data:13-16 July/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

60)-Photoactive nanocrystal based materials at work for photodegradation

Roberto Comparelli

ASEAN-EU STI days Science Technology and Innovation Days, Bangkok (Thailand), 21-23 January 2014

<http://www.cnr.it/prodotto/i/312603>

info:cnr-pdr/source/autori:Roberto Comparelli/congresso_nome:ASEAN-EU STI days Science Technology and Innovation Days/congresso_luogo:Bangkok (Thailand)/congresso_data:21-23 January 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

61)-Colloidal nanocrystals for energy conversion applications

R. Comparelli; F. Petronella; A. Truppia; E. Binettia; A. Panniello; M.Striccoli; A. Agostiano; M. Lucia Curri

XXV Congresso Nazionale della Società Chimica Italiana - SCI 2014, Rende (Italy), 7-12 september 2014

<http://www.cnr.it/prodotto/i/312644>

info:cnr-pdr/source/autori:R. Comparelli, F. Petronella, A. Truppia, E. Binettia, A. Panniello, M.Striccoli, A. Agostiano, M. Lucia Curri/congresso_nome:XXV Congresso Nazionale della Società Chimica Italiana - SCI 2014/congresso_luogo:Rende (Italy)/congresso_data:7-12 september 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

62)-Fabrication of recoverable catalitically active magnetic beads

Sofia Dembski; Klaus Rose; Katja Scherbaum; Johannes Prieschl; Roberto Comparelli; Francesca Petronella; Marinella Striccoli; Chiara Ingrosso; M. Lucia Curri; Audrey Bonnefond; Edurne Gonzalez; José Ramon Leiza; José Maria Asua
2014

<http://www.cnr.it/prodotto/i/321799>

63)-Report on experimental conditions for NOx photodegradation

Piera Ielpo; Giovanni Lasorella; Giuseppe Mascolo; Roberto Comparelli; M. Lucia Curri; María Casado; Francisco Manuel Castro; Ignacio Calvo; Emilio Blas; Jaime José Cubillo
2014

<http://www.cnr.it/prodotto/i/321812>

64)-Report on experimental conditions on VOCs degradation

Piyasan Praserttham; Akawat Sirisuk; Okorn Mekasuwandumrong; Piera Ielpo; Giovanni Lasorella; Giuseppe Mascolo; Roberto Comparelli; M. Lucia Curri; Maria Casado Barasa; Irene Sevilla de la Llave

2014

<http://www.cnr.it/prodotto/i/321817>

65)-NANOPARTICLES IN MODEL BIOMEMBRANES: SELF-ASSEMBLY, INTERACTION AND STABILITY IN SOLUTION

D. Lombardo; M.A. Kiselev; S. Magazù; P. Princi; P. Calandra

Self-assembly in Nanostructures: From Modeling to Advanced Applications, Messina, 18 giugno 2014

<http://www.cnr.it/prodotto/i/318385>

info:cnr-pdr/source/autori:D. Lombardo, M.A. Kiselev, S. Magazù, P. Princi, P. Calandra/congresso_nome:Self-assembly in Nanostructures: From Modeling to Advanced Applications/congresso_luogo:Messina/congresso_data:18 giugno 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

66)-Structure and Interaction of PAMAM Dendrimers and Model Lipid Membranes

D. Lombardo; P Calandra; M. A. Kiselev

Workshop on Biomaterials and Their Interactions with Biological and Model Membranes, Salou (Spagna), 20-21 Orrobre 2014

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

info:cnr-pdr/source/autori:D. Lombardo, P Calandra, M. A. Kiselev/congresso_nome:Workshop on Biomaterials and Their Interactions with Biological and Model Membranes/congresso_luogo:Salou (Spagna)/congresso_data:20-21 Orrobre 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

67)-COLLOIDAL NANOCRYSTALS AND HYBRID NANOSTRUCTURED MATERIALS FOR ENERGY CONVERSION AND STORAGE

M.Striccoli

2014 EMN (Energy Material Nanotechnology) East Meeting, Beijing, China, 12-15/05/2014

<http://www.cnr.it/prodotto/i/315381>

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68)-Photocatalytic Nanomaterials

Roberto Comparelli; Francesca Petronella; Alessandra Truppi; Chiara; Ingrosso; Marinella Striccoli; M. Lucia Curri; Sofia Dembski; Klaus Rose; Katja Scherbaum; Johannes Prieschl;

Piyasan Prasertthdam; Akawat Sirisuk; Okorn Mekasuwandumrong; Rachan Klaysri; Supamas Nokjan; Frederic Pelletier; Benedicte Thiebaut
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<http://www.cnr.it/prodotto/i/320157>

69)-Doped metal-oxides NPs for visible light photocatalysis and TiO₂ /CNT based heterostructures

Roberto Comparelli; Francesca Petronella; Alessandra Truppi; Chiara Ingrosso; Marinella Striccoli; M. Lucia Curri Frederic Pelletier; Benedicte Thiebaut
2014

<http://www.cnr.it/prodotto/i/320162>

70)-Report V SAL PON MAAT

Marinella Striccoli; Annamaria Panniello; Nicoletta Depalo
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<http://www.cnr.it/prodotto/i/315353>

71)-Report IV SAL PON MAAT

Marinella Striccoli; Annamaria Panniello; Nicoletta Depalo
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72)-Effetto di campi elettrici nell'esperimento di Miller: uno studio da principi primi

Saija, F.

Knowledge Integration for Advanced & Sustainable System, Roma, 10/11/2014

<http://www.cnr.it/prodotto/i/321268>

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73)-Influence of Water-DMSO Medium on Complex-Forming Properties of Crown Ether 18-Crown-e

T.R. Usacheva; V. A. Sharnin; E. Matteoli

Advances in Chemistry Research, pp. 127–156. Hauppauge, N.Y.: Nova Science Publisher, 2014

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74)-Thermo-plasmonics in self-organized nanostructured materials

De Sio, Luciano; Placido, Tiziana; Comparelli, Roberto; Curri, Lucia; Tabiryan, Nelson V.; Bunning, Timothy J. SUBJECT Heat transfer SUBJECT Liquid crystals SUBJECT Nanomaterials SUBJECT Nanomedicine SUBJECT Plasmonics

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75)-Polarization dependent optical trapping of chiral microresonators

M. G. Donato; J. Hernandez; A. Mazzulla; C. Provenzano; R. Saija; M. A. Iatì; A. Magazzù; P. Pagliusi; R. Bartolino; P. G. Gucciardi; O. M. Maragò; G. Cipparrone SUBJECT chirality SUBJECT Optical tweezers SUBJECT liquid crystals SUBJECT polymers

Laser-light and Interactions with Particles (LIP2014), pp. ME-11 1–ME-11 3, Marseille (F), 25-29 agosto 2014

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76)-COD ID: 4122812

Crasto, David; Barcaro, Giovanni; Stener, Mauro; Sementa, Luca; Fortunelli, Alessandro; Dass, Amala SUBJECT X-ray Crystal structure
2014

<http://www.cnr.it/prodotto/i/370555>

77)-The influence of rigid amorphous fraction on crystallization kinetics of poly[(R)-3-hydroxybutyrate] and its role on properties deterioration upon storage

M. L. Di Lorenzo; M.C. RighettiSUBJECTPoly[(R)-3-hydroxybutyrate]SUBJECTRigid
amorphous fractionSUBJECTCrystallization kinetics

Workshop "IUPAC Italia: stato dell'arte e strategie future", Roma, 8 aprile 2014

<http://www.cnr.it/prodotto/i/388038>

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