

Peer-reviewed journal articles

1)-Alignment of Chromonic Liquid Crystals: A Difficult Task

C. M. TONE; M. P. DE SANTO; AND F. CIUCHI
subjectChromonic liquid crystals
subjectalignments
subjectsurface energy

Molecular crystals and liquid crystals (Phila. Pa. : 2003) 576 (2013): 2–7.

<https://dx.doi.org/10.1080/15421406.2013.789393>

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

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

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

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

3)-Light Scattering Enhancement in Nanostructured Silver Film Composites

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

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

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

4)-The unique optical behaviour of bio-related materials with organic chromophores

Francesco Ciardelli; Monica Bertoldo; Simona Bronco; Andrea Pucci; Giacomo Ruggeri; Francesca Signori
subjectorganic chromophores; bio-related polymers; photoresponsive organic materials; colour change; optical traceability

Polymer international (Online) 62 (2013): 22–32.

<https://dx.doi.org/10.1002/pi.4395>

5)-Applicability of the Photochemically Generated Pendant Benzoyl Peroxides in both "Grafting From" and "Grafting To" Techniques

Jaroslav Mosná?ek; Ivan Luká?; M. Bertoldo; F. Ciardelli

Chemical papers (Online) 67 (2013): 9–17.

<https://dx.doi.org/10.2478/s11696-012-0250-3>

6)-Oxidation of Glycogen "Molecular Nanoparticles" by Periodate

M. Bertoldo; G. Zampano; L. Suffner; E. Liberati; F. Ciardelli

Polymer chemistry (Print) 4 (2013): 653.

<https://dx.doi.org/10.1039/c2py20625k>

7)-Plasticized and Nanofilled Poly(lactic acid)-Based Cast Films: Effect of Plasticizer and Organoclay on Processability and Final Properties

Marco Scatto; Elena Salmini; Stefania Castiello; Maria-Beatrice Coltelli; Lucia Conzatti; Paola Stagnaro; Leonardo Andreotti; Simona

Broncosubjectextrusionsubjectnanocompositessubjectorganoclaysubjectmechanical
propertyessubjectrenewable resources
Journal of applied polymer science (Online) 127 (2013): 4947–4956.
<https://dx.doi.org/10.1002/APP.38042>

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

Foti; A.; D'Andrea; C.; Bonaccorso; F.; Lanza; M.; Calogero; G.; Messina; E.; Maragò; O.M.; Fazio; B.; Gucciardi; P.G.subjectplasmonica
Plasmonics (Norwell, Mass.) 8 (2013): 13–23.
<https://dx.doi.org/10.1007/s11468-012-9371-3>

9)-A simple class of singular, two-species Vlasov equilibria sustaining nonmonotonic potential distributions

NOCERA L; PALUMBO L Jsubjectplasma double layerssubjectplasma sheathssubjectkinetic stabilitysubjectVlasov equation
Physics of plasmas 20 (2013): 012107-1–012107-5.
<https://dx.doi.org/10.1063/1.4773400>

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

Skelton S.E.; Sergides M.; Saija, R.; Iati' M.A.; Marago' O.M.; Jones P.H.
Optics letters 38 (2013): 28–30.
<https://dx.doi.org/10.1364/OL.38.000028>

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

G Gorrasi; C Milone; E Piperopoulos; M Lanza; A Sorrentino
Applied clay science (Print) 71 (2013): 49–54.
<http://www.cnr.it/prodotto/i/199175>

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

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

E. Fazio; E. Piperopoulos; S.H. Abdul Rahim; M. Lanza; G. Faggio; G. Mondio; F.Neri; A.M. Mezzasalma; C. Milone; S. Santangelo
Current applied physics (2013).
<http://www.cnr.it/prodotto/i/199464>

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

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

13)-Attractive-repulsive dynamics on light-responsive chiral microparticles induced by polarized tweezers

R.J. Hernández; A. Mazzulla; A. Pane; K. Volke-Sepulveda; G. Cipparrone
subjectoptical tweezerssubjectchiralsubjectliquid crystals

Lab on a chip (Print) 13 (2013): 459–467.

<https://dx.doi.org/10.1039/C2LC40703E>

14)-Computational Design, Synthesis, and Mechanochromic Properties of New Thiophene-Based pi-Conjugated Chromophores

G. Prampolini; F. Bellina; M. Biczysko; C. Cappelli; L. Carta; M. Lessi; A. Pucci; G. Ruggeri; V. Barone

Chemistry - A European Journal (2013).

<https://dx.doi.org/10.1002/chem.201203672>

15)-Structure-Properties Relationships in Triplet Ground State Organic Diradicals: A Computational Study

V. Barone; C. Boilleau; I. Cacelli; A. Ferretti; S. Monti; G. Prampolini

Journal of chemical theory and computation 9 (2013): 300–307.

<https://dx.doi.org/10.1021/ct300790c>

16)-Spatio-temporal anomalous diffusion imaging: results in controlled phantoms and in excised human meningiomas

Silvia Capuani (a,b); Marco Palombo (a,b); Andrea Gabrielli (c); Augusto Orlandi (d); Bruno Maraviglia (e,f); Francesco S. Pastore (g)
subjectStretched exponential modelsubjectDiffusion time variable PGSTEsubjectAnomalous diffusionsubjectNon-Gaussian diffusionsubjectMagnetic susceptibility differences

Magnetic resonance imaging 31 (2013): 359–365.

<https://dx.doi.org/10.1016/j.mri.2012.08.012>

17)-Exactly solvable spin-glass models with ferromagnetic couplings: The spherical multi-p-spin model in a self-induced field

Andrea Crisanti (a,b); Luca Leuzzi (a,c)
subjectspin-glass modelsubjectferromagnetic couplings

Nuclear physics. B (Print) 870 (2013): 176–204.

<https://dx.doi.org/10.1016/j.nuclphysb.2013.01.011>

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

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

19)-Nanostructures of Cationic Amphiphilic Cyclodextrin Complexes with DNA

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

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

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

21)-Conformational Effects on the Magnetic Properties of an Organic Diradical: A Computational Study

Vincenzo Barone; Corentin Boilleau; Ivo Cacelli; Alessandro Ferretti; Giacomo Prampolini
Journal of chemical theory and computation 9 (2013): 1958–1963.
<http://www.cnr.it/prodotto/i/209434>

info:cnr-pdr/source/autori:Vincenzo Barone, Corentin Boilleau, Ivo Cacelli, Alessandro Ferretti, Giacomo Prampolini/titolo:Conformational Effects on the Magnetic Properties of an Organic Diradical: A Computational Study/

22)-JOYCE and ULYSSES: integrated and user-friendly tools for the parameterization of intramolecular force fields from quantum mechanical data

Vincenzo Barone; Ivo Cacelli; Nicola De Mitri; Daniele Licari; Susanna Monti; Giacomo Prampolini
PCCP. Physical chemistry chemical physics (Print) 15 (2013): 3736–3751.
<https://dx.doi.org/10.1039/C3CP44179B>

23)-Emergence of crystal-like atomic dynamics in glasses at the nanometre scale

G. Baldi 1; M. Zanatta 2; E. Gilioli 1; V. Milman 3; K. Refson 4; B. Wehinger 5; B. Winkler 6;
A. Fontana 7; G. Monaco 5;
7subject63.50.Lmsubject62.30.+dsubject62.65.+ksubject64.70.ph
Physical review letters 110 (2013): 185503-1–185503-5.
<https://dx.doi.org/10.1103/PhysRevLett.110.185503>

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

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

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

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

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

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

info:cnr-pdr/source/autori:D'Andrea C., Bochterle J., Toma A., Huck C., Neubrech F., Messina E., Fazio B., Maragò O.M., Di Fabrizio E., Lamy De La Chapelle M., Gucciardi P.G., Pucci A./titolo:Optical nanoantennas for multiband surface-enhanced infrared and raman spectroscopy/

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

Prestipino S; Saija F; Sergi A; Giaquinta PV
Soft matter (Print) 9 (2013): 9876–9886.
<https://dx.doi.org/10.1039/c3sm51831k>

28)-Higher methane storage at low pressure and room temperature in new easily scalable large-scale production activated carbon for static and vehicular applications

Policicchio A; Maccallini E; Agostino R G; Ciuchi F; Aloise A; Giordano GsubjectReversible methane storagesubjectNatural gassubjectActivated carbon
Fuel (Guildf.) 104 (2013): 813–821.
<https://dx.doi.org/10.1016/j.fuel.2012.07.035>

29)-Effects of Gold Nanoparticle Dispersion in a Chiral Liquid Crystal Matrix

Infusino M; De Luca A; Ciuchi F; Ionescu A; Scaramuzza N; Strangi GsubjectGold nanoparticlessubjectphase transitionssubjectsmectic phases
Molecular crystals and liquid crystals (Phila. Pa. : 2003) 572 (2013): 59–65.
<https://dx.doi.org/10.1080/15421406.2012.763211>

30)-Shock waves in thermal lensing

S. Gentilini (1); N. Ghofraniha (2); E. DelRe (2,3); C. Conti (1,3)subjectNonlinear wavessubjectthermal lens

Physical review. A 87 (2013): art_n_053811.
<https://dx.doi.org/10.1103/PhysRevA.87.053811>

31)-Random laser from engineered nanostructures obtained by surface tension driven lithography

Neda Ghofraniha (1); Ilenia Viola (2); Francesca Di Maria (3,4); Giovanna Barbarella (3); Giuseppe Gigli (5); Claudio Conti (6)subjectNano-lithographysubjectNano-photonicssubjectOligo-ThiophenesubjectRandom lasersubjectSurface tension driven lithography

Laser & photonics reviews (Print) 7 (2013): 432–438.
<https://dx.doi.org/10.1002/lpor.201200105>

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

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

Applied surface science 278 (2013): 259–264.
<https://dx.doi.org/10.1016/j.apsusc.2012.10.133>

33)-Self-Organized Chiral Microspheres

MAZZULLA A; CIPPARRONE G; HERNANDEZ RJ; PANE A; BARTOLINO Rsubjectcholesteric liquid crystalssubjectchiralitysubjectoptical manipulation

Molecular crystals and liquid crystals (Phila. Pa. : 2003) 576 (2013): 15–22.
<https://dx.doi.org/10.1080/15421406.2013.789420>

34)-Anomalous Diffusion Effects on the Electrical Impedance Response of Liquid-Crystalline Systems

SANTORO PA; LENZI EK; EVANGELISTA LR; CIUCHI F; MAZZULLA A; SCARAMUZZA Nsubjectimpedancesubjectionic conductionsubjectadmittance

Molecular crystals and liquid crystals (Phila. Pa. : 2003) 576 (2013): 23–31.
<https://dx.doi.org/10.1080/15421406.2013.789423>

35)-Averaged run-and-tumble walks

L. AngelanisubjectANOMALOUS DIFFUSION; FRACTIONAL DYNAMICS; CHEMOTAXIS; TRANSPORT; MODELS

Europhysics letters (Print) 102 (2013): 20004.
<https://dx.doi.org/10.1209/0295-5075/102/20004>

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

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

Current applied physics 13 (2013): 710–716.
<https://dx.doi.org/10.1016/j.cap.2012.11.010>

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

L. Silipigni; L. Schirò; L. Monsù Scolaro; G. De Luca; G. Salvato
Layered organic-inorganic nanocomposite films
XPS spectra
Chemical exfoliations
MnPS₃ intercalation compound

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

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

38)-Enhancement of electrorheological effect by particle-fluid interaction

F Aliotta; P Calandra; M Pochylski; RC Ponterio; G Salvato; C Vasi
CARBOXYLIC-ACIDS; ER FLUIDS; SUSPENSIONS; NANOPARTICLES; MECHANISMS; DYNAMICS; TIO₂

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

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

39)-Biodegradable core-shell nanoassemblies for the delivery of docetaxel and Zn(II)-phthalocyanine inspired by combination therapy for cancer

Conte, C.; Ungaro, F.; Maglio, G.; Tirino, P.; Siracusano, G.; Sciortino, M. T.; Leone, N.; Palma, G.; Barbieri, A.; Arra, C.; Mazzaglia, A.; Quaglia, F.
Photodynamic therapy
Nanoparticles
Amphiphilic block copolymers
Poly(epsilon-caprolactone)
Poly(ethyleneoxide)
Docetaxel

Journal of controlled release 167 (2013): 40–52.

<https://dx.doi.org/10.1016/j.jconrel.2012.12.026>

40)-Theoretical Simulations of Structure and X-ray Photoelectron Spectra of Glycine and di-Glycine Adsorbed on Cu (110)

Vincenzo Carravetta; Susanna Monti; Cui Li; Hans Ågren

Langmuir 29 (2013): 10194–10204.

<https://dx.doi.org/10.1021/la401746d>

41)-Symmetry breaking and hole localization in multiple core electron ionization

V Carravetta; H Ågren

Journal of the Chemical Society. A. Inorganic, physical, theoretical 117 (2013): 6798.

<https://dx.doi.org/10.1021/jp406602y>

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

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

Review of scientific instruments 84 (2013): 073702.

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

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

43)-Time-resolved dynamics of granular matter by random laser emission

Viola Folli (1,2); Neda Ghofraniha (2,3); Andrea Puglisi (1,2); Luca Leuzzi (1,3); Claudio Conti (1,2)subjectgranular motionsubjectrandom

lasersubjecttransitionssubjectconvectionssubjectpatterns

Scientific reports (Nature Publishing Group) 3 (2013): art_n_2251.

<https://dx.doi.org/10.1038/srep02251>

44)-The autofocusing system of the IMAT neutron camera

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

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

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

45)-Extension of the AMBER Force Field for Nitroxide Radicals and Combined QM/MM/PCM Approach to the Accurate Determination of EPR Parameters of DMPO-H in Solution

Laura Hermosilla; Giacomo Prampolini; Paloma Calle; José Manuel García de la Vega; Giuseppe Brancato; Vincenzo Barone

Journal of chemical theory and computation 9 (2013): 3626–3636.

<https://dx.doi.org/10.1021/ct4003256>

46)-Cobalt binding in the photosynthetic bacterium R. sphaeroides by X-ray absorption spectroscopy

Belviso B.D.; Italiano F.; Caliendo R.; Carrozzini B.; Costanza; A.; Trotta M.subjectCobalt coordinationsubjectMembranesubjectSulfolipidssubjectRhodobacter sphaeroidessubjectEXAFS

BioMetals (Dordr., Online) 26 (2013): 693–703.

<https://dx.doi.org/10.1007/s10534-013-9641-3>

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

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

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

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

48)-Structural Motifs of Bimetallic Pt101-xAux Nanoclusters

Dessens-Felix M. and Pacheco-Contreras R. and Barcaro G. and Sementa L. and FORTUNELLI A. and Posada-Amarillas A.

Journal of physical chemistry. C 117 (2013): 20967–20974.

<https://dx.doi.org/10.1021/jp406780e>

49)-Structure and electronic properties of Co-oxide nanostructures on a vicinal Pd(100) surface

Ma L.-Y. and Picone A. and Wagner M. and Surnev S. and Barcaro G. and FORTUNELLI A. and Netzer F. P.

Journal of physical chemistry. C 117 (2013): 18464–18474.

<https://dx.doi.org/10.1021/jp4052424>

50)-Influence of temperature and H₂ adsorption on the structure of silica-supported gold subnanometer clusters

Barcaro G. and Sementa L. and Negreiros F. R. and FORTUNELLI A.

Computational and theoretical chemistry (Print) 1021 (2013): 222–228.

<https://dx.doi.org/10.1016/j.comptc.2013.07.034>

51)-Study of two dimensional anisotropic Ising models via a renormalization group approach

Taherkhani F and Akbarzadeh H and Abroshan H and Ranjbar S and FORTUNELLI A. and Parsafar G

Physica. A (Print) 392 (2013): 5604–5614.

<https://dx.doi.org/10.1016/j.physa.2013.07.026>

52)-Direct atomic imaging and density functional theory study of the Au₂₄Pd₁ cluster catalyst

Bruma A. and Negreiros F. R. and Xie S. and Tsukuda T. and Johnston R. L. and FORTUNELLI A. and Li Z. Y.

Nanoscale (Print) 5 (2013): 9620–9625.

<https://dx.doi.org/10.1039/c3nr01852k>

53)-Communication: Kinetics of chemical ordering in Ag-Au and Ag-Ni nanoalloys

Calvo F and FORTUNELLI A. and Negreiros F and Wales DJ

The Journal of chemical physics 139 (2013): 111102.

<https://dx.doi.org/10.1063/1.4821582>

54)-Electronic excited states at ultrathin dielectric-metal interfaces

Sementa L and Marini A and Barcaro G and Negreiros FR and FORTUNELLI A.

Physical review. B, Condensed matter and materials physics 88 (2013): 125413.

<https://dx.doi.org/10.1103/PhysRevB.88.125413>

55)-Effect of CO and H adsorption on the compositional structure of binary nanoalloys via DFT modeling

West PS and Johnston RL and Barcaro G and FORTUNELLI A.

The European physical journal. D, Atomic, molecular and optical physics (Print) 67 (2013): 165.

<https://dx.doi.org/10.1140/epjd/e2013-40257-4>

56)-Structure-Property Relationship and Chemical Aspects of Oxide-Metal Hybrid Nanostructures

Surnev S and FORTUNELLI A. and Netzer F P
Chemical reviews 113 (2013): 4314–4372.
<https://dx.doi.org/10.1021/cr300307n>

57)-Nanostripe Pattern of NaCl Layers on Cu(110)

Wagner M and Negreiros F R and Sementa L and Barcaro G and Surnev S and FORTUNELLI A. and Netzer F P
Physical review letters 110 (2013): 216101–216101.
<https://dx.doi.org/10.1103/PhysRevLett.110.216101>

58)-Computational approaches to the chemical conversion of carbon dioxide

Cheng D and Negreiros F R and Apra E and FORTUNELLI A.
ChemSusChem (Weinh., Print) 6 (2013): 944–965.
<https://dx.doi.org/10.1002/cssc.201200872>

59)-DFT study of the structures and energetics of 98-atom AuPd clusters

Bruma A and Ismail R and Paz-Borbon L O and Arslan H and Barcaro G and FORTUNELLI A. and Li Z Y and Johnston R L
Nanoscale (Print) 5 (2013): 646–652.
<https://dx.doi.org/10.1039/c2nr32517a>

60)-Modelling the metal-on-top effect for Pd clusters on the MgO100 substrate

Atanasov I and Barcaro G and Negreiros F R and FORTUNELLI A. and Johnston R L
Journal of chemical physics online 138 (2013): 224703–224703.
<https://dx.doi.org/10.1063/1.4807725>

61)-Chemistry of Interfacial Interactions in a LDPE-Based Nanocomposite and Their Effect on the Nanoscale Hybrid Assembling

Coiai S.; Prevosto D.; Bertoldo M.; Conzatti L.; Causin V.; Pinzino C.; Passaglia E.subjectLAYERED SILICATE NANOCOMPOSITESsubjectCLAY INTERCALATIONsubjectPOLYETHYLENE
Macromolecules (Print) 46 (2013): 1563–1572.
<https://dx.doi.org/10.1021/ma301689h>

62)-Plasticization in Ultrathin Polymer Films: the Role of Supporting Substrate and Annealing

H.K. Nguyen; M. Labardi; M. Lucchesi; P. Rolla; D. Prevosto
Macromolecules (Online) 46 (2013): 555.
<https://dx.doi.org/10.1021/ma301980w>

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

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

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

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

64)-Growth Analysis of Pulsed Laser Ablated Films

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

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

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

65)-Optical trapping and manipulation of nanostructures

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

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

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

66)-Paper like cholesteric interferential mirror

G. Petriashvili; K. Japaridze; L. Devadze; C. Zurabishvili; N. Sepashvili; N. Ponjavidze; M.P. De Santo; M.A. Matranga; R. Hamdi; F. Ciuchi; R. Barberisubjectreflective mirrorsubjectcholesteric liquid crystalssubjectflexible device

Optics express 21 (2013): 20821–20830.

<https://dx.doi.org/10.1364/OE.21.020821>

67)-Amine-functionalized SBA-15 in poly(styrene-bbutadiene-b-styrene) (SBS) yields permeable and selective nanostructured membranes for gas separation

Maria Giovanna Buonomenna; Giovanni Golemme; Caterina Maria Tone; Maria Penelope De Santo; Federica Ciuchi; Enrico PerrottasubjectMIXED-MATRIX MEMBRANESsubjectCOPOLYMER THIN-FILMSsubjectMESOPOROUS MOLECULAR-SIEVEsubjectBLOCK-COPOLYMERSsubjectMECHANICAL-PROPERTIES

Journal of Materials Chemistry A 1 (2013): 11853–11866.

<https://dx.doi.org/10.1039/c3ta12180a>

68)-Preparation and Properties of PTFE/PAI Nanocomposites

D. Antonioli; K. Sparnacci; M. Laus; L. Boarino; M.C. Righetti

Polymer composites (Online) 34 (2013): 1451–1459.

<https://dx.doi.org/10.1002/pc.22444>

69)-Thermal and mechanical properties of PES/PTFE composites and nanocomposites

M.C. Righetti; A. Boggioni; M. Laus; D. Antonioli; K. Sparnacci; L. Boarino

Journal of applied polymer science (Print) 130 (2013): 3624.

<https://dx.doi.org/10.1002/app.39613>

70)-Excess Gibbs Energies and Volumes of the ternary system ethanol + dimethylformamide + tetrahydrofuran at 298.15 K

E. Matteoli; L. Lepori; P. Gianni; M.C. Righetti

Fluid phase equilibria 356 (2013): 157–167.

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Nicola Cioffi a, Gerardo Palazzo a, and Luisa Torsi a/titolo: Electronic specific detection at the part-per-trillion concentration level/

80)-Volatile general anesthetic sensing with organic field-effect transistors

Maria Daniela Angione a; Maria Magliulo a; Serafina Cotrone a; Antonia Mallardi b; Davide Altamura c; Cinzia Giannini c; Nicola Cioffi a; Luigia Sabbatini a; Danka Gobeljic d; Gaetano Scamarcio d; Gerardo Palazzo a; n; Luisa Torsi a

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81)-Effect of thermal history on the evolution of crystal and amorphous fractions of poly[(R)-3-hydroxybutyrate] upon storage at ambient temperature

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Placido; Tiziana; Aragay; Gemma; Pons; Josefina; Comparelli; Roberto; Curri; M. Lucia; Merkoci;

Arbensubjectassemblysubjectfunctionalizationsubjectgold nanorodssubjectmercurysubjectsensingsubjectON FLUORESCENT SENSORsubjectSEED-MEDIATED GROWTHsubjectHEAVY-METAL IONSsubjectSELECTIVE DETECTIONsubjectAQUEOUS-MEDIAsubjectCOLORIMETRIC DETECTIONsubjectLEAD

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Roberta Angelini (a),(b); Laura Zulian (b); Andrei Fluerașu (c); Anders Madsen (d); Giancarlo Ruocco, (a),(b),(e) and Barbara Ruzicka (a),(b) subject X-ray photon correlation spectroscopy subject colloidal clays subject Colloidal glass subject Functional forms subject Long-time aging subject Shear fields

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J. Parravicini (1,2); D. Pierangeli (1); F. Di Mei (1,3); C. Conti (1,4); A.J. Agranat (5); E. DelRe (1,2)

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Tommaso Rizzo

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100)-Imaging regenerating bone tissue based on neural networks applied to high resolution micro-diffraction measurements

Campi, G (Campi, G.)[1]; Pezzotti, G (Pezzotti, G.)[1]; Fratini, M (Fratini, M.)[2,3]; Ricci, A (Ricci, A.)[4]; Burghammer, M (Burghammer, M.)[5]; Cancedda, R (Cancedda, R.)[6,7,8]; Mastrogiacomo, M (Mastrogiacomo, M.)[6,7,8]; Bukreeva, I (Bukreeva, I.)[9]; Cedola, A (Cedola, A.)[9]

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101)-Osteoporosis detection by 3T diffusion tensor imaging and MRI spectroscopy in women older than 60 years

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1-2) Petronella F.; 2-3) Diomede S.; 1-2) Fanizza E.; 3) Mascolo G.; 4) Sibilliano T.; 1-2) Agostiano A.; 1) Curri L.; 3) Comparelli R.subjectPhotocatalysissubjectTiO₂/Ag nanoparticlessubjectAntibioticssubjectFluoroquinolonesubjectNalidixic acidsubjectRecalcitrant pollutants

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Melchionna S.; Marconi U.M.B.subjectNanofluidicssubjectPlanck-Nernst-Poisson equationsubjecttransport properties of liquids
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Leuzzi, L.; Parisi, G.subject LOWER CRITICAL DIMENSION; SPIN-GLASS MODEL; CRITICAL EXPONENTS; CRITICAL-BEHAVIOR; RANDOM-SYSTEMS; SYMMETRY; DISORDER; STATE

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Gentilini, S (Gentilini, S.); Ghofraniha, N (Ghofraniha, N.); DelRe, E (DelRe, E.); Conti, C (Conti, C.)

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

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

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

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M. Labardi; J.H. Park; H.K. Nguyen; D. Prevosto; C.-Y. Seong; A. Mrzel; G. Scalia

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131)-Synthesis and structure-property relationship of polyester-urethanes and their evaluation for the regeneration of contractile tissues

Sartori, Susanna; Boffito, Monica; Serafini, Piero; Caporale, Andrea; Silvestri, Antonella; Bernardi, Ettore; Sassi, Maria Paola; Boccafoschi, Francesca; Ciardelli, GianlucassubjectPolyurethanessubjectMechanical propertiessubjectPeptidessubjectTissue engineeringssubjectPhase separation

Reactive & functional polymers (Print) 73 (2013): 1366–1376.

<https://dx.doi.org/10.1016/j.reactfunctpolym.2013.01.006>

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

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

ScienceJet 2 (2013): 1–5.

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

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

133)-Dynamical Properties of Self-Assembled Surfactant-Based Mixtures: Triggering of One-Dimensional Anomalous Diffusion in Bis(2-ethylhexyl)phosphoric Acid/n-Octylamine Systems

Calandra, Pietro; Nicotera, Isabella; Rossi, Cesare Oliviero; Liveri, V. Turco

Langmuir 29 (2013): 14848–14854.
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134)-composite nanoparticles

Pietro Calandra; Valeria La Parola; Vincenzo Turco Liveri; Elefterios Lidorikis; Fabio Finocchi
Journal of Chemistry 2013 (2013).
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135)-Self-assembly in surfactant-based mixtures driven by acid-base reactions: bis(2-ethylhexyl) phosphoric acid-n-octylamine systems

Calandra, Pietro; Mandanici, Andrea; Liveri, Vincenzo Turco
RSC advances 3 (2013): 5148–5155.
<https://dx.doi.org/10.1039/c3ra23295f>

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

Antonino Bartolotta; Giuseppe Calogero; Cristina Crupi; Gaetano Di Marco
Journal of Materials 2013 (2013).
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137)-A density functional theory study of magneto-electric Jones birefringence of noble gases, furan homologues, and mono-substituted benzenes

Fahleson, Tobias; Norman, Patrick; Coriani, Sonia; Rizzo, Antonio; Rikken, Geert L. J. A.
The Journal of chemical physics 139 (2013): 194311.
<https://dx.doi.org/10.1063/1.4830412>

138)-Applicability of medium-size basis sets in calculation of electric dipole dynamic polarisabilities and first hyperpolarisabilities of non-interacting molecules

Baranowska-Laczowska, Angelika; Chmielewska, Joanna; Pawlowski, Filip; Rizzo, Antonio
subjectelectric dipole polarisabilitysubjectfirst electric dipole hyperpolarisabilitysubjectmedium-size basis setsubjectCCSD response approachsubjectisolated moleculelesssubjectCC3
Molecular physics (Print) 111 (2013): 1462–1469.
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139)-Communication: Nuclear quadrupole moment-induced Cotton-Mouton effect in noble gas atoms

Fu, Li-juan; Rizzo, Antonio; Vaara, Juha
The Journal of chemical physics 139 (2013): 181102.
<https://dx.doi.org/10.1063/1.4830094>

**140)-Nina Berova, Prasad L. Polavarapu, Koji Nakanishi and Robert W. Woody (Eds.):
Comprehensive Chiroptical Spectroscopy Wiley (Book review)**

Theoretical Chemistry accounts (Print) 132 (2013): 1368–1369.

<https://dx.doi.org/10.1007/s00214-013-1368-2>

141)-Ab initio study of the circular intensity difference in electric-field-induced second harmonic generation of chiral natural amino acids

Rizzo, Antonio; Ågren, Hans

PCCP. Physical chemistry chemical physics (Print) 15 (2013): 1198–1207.

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

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

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

143)-Adaptive Optics Technology for High-Resolution Retinal Imaging

Lombardo, Marco; Serrao, Sebastiano; Devaney, Nicholas; Parravano, Mariacristina; Lombardo, Giuseppe
subjectadaptive optical systems
subjectoptical sensor
subjectbiomedical imaging technique
subjecteye

Sensors (Basel) 13 (2013): 334–366.

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

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

Amoddeo, Antonino; Barberi, Riccardo; Lombardo, Giuseppe
subjectnematic liquid crystals
modelling
subjectorientational orders
subjectFEM
subjectMMPDE
subjectphase transitions

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

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

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

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

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

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

Lombardo, Marco; Serrao, Sebastiano; Ducoli, Pietro; Lombardo, Giuseppe
subjectadaptive optics
subjectcone density
subjectcone spacing
subjectcone packing arrangement

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

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

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

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

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

Lombardo, Marco; Parravano, Mariacristina; Serrao, Sebastiano; Ducoli, Pietro; Stirpe, Mario; Lombardo, Giuseppe

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

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

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

149)-Biaxial coherence length In a nematic pi-cell

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

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

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

150)-INTEROCULAR SYMMETRY OF PARAFOVEAL PHOTORECEPTOR CONE DENSITY DISTRIBUTION

Lombardo, Marco; Lombardo, Giuseppe; Lomoriello, Domenico Schiano; Ducoli, Pietro; Stirpe, Mario; Serrao, Sebastiano

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

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

151)-Catalytic activity of copper ions in the amyloid fibrillation of beta-lactoglobulin

Zappone, Bruno; De Santo, Maria P.; Labate, Cristina; Rizzuti, Bruno; Guzzi, Rita

Soft matter (Print) 9 (2013): 2412–2419.

<https://dx.doi.org/10.1039/c2sm27408f>

152)-Using simulations to provide the framework for experimental protein folding studies

Rizzuti, Bruno; Daggett, Valeria subject Protein folding subject Molecular dynamics subject Folding/unfolding pathways subject Protein dynamics
Archives of biochemistry and biophysics (Print) 531 (2013): 128–135.
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153)-Dynamics and unfolding pathway of chimeric azurin variants: insights from molecular dynamics simulation

Evoli, Stefania; Guzzi, Rita; Rizzuti, Bruno subject Molecular dynamics subject Azurins subject Chimeric proteins subject Unfoldings subject Protein dynamics
JBIC. Journal of biological inorganic chemistry (Print) 18 (2013): 739–749.
<https://dx.doi.org/10.1007/s00775-013-1017-1>

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

Bonaccorsi, Lucio; Calandra, Pietro; Kiselev, Mikhail A.; Amenitsch, Heinz; Proverbio, Edoardo; Lombardo, Domenico
Langmuir 29 (2013): 7079–7086.
<https://dx.doi.org/10.1021/la400951s>

155)-Non-targeted H-1 NMR fingerprinting and multivariate statistical analyses for the characterisation of the geographical origin of Italian sweet cherries

Longobardi, F.; Ventrella, A.; Bianco, A.; Catucci, L.; Cafagna, I.; Gallo, V.; Mastroilli, P.; Agostiano, A. subject H-1 NMR fingerprinting subject Sweet cherry subject Geographic origins subject Pattern recognition technique
Food chemistry 141 (2013): 3028–3033.
<https://dx.doi.org/10.1016/j.foodchem.2013.05.135>

156)-Evolution of γ -SiC in laser-generated plasmas

Gemini L.; Margarone D.; Mocek T.; Neri F.; Trusso S.; Ossi P.M. subject Laser damages subject Nuclear fusions subject Pulsed laser ablations subject Silicon carbide
Applied surface science 272 (2013): 19–24.
<https://dx.doi.org/10.1016/j.apsusc.2012.03.125>

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

Gemini L.; Margarone D.; Trusso S.; Juha L.; Limpouch J.; Mocek T.; Ossi P.M. subject Generation of periodic structures subject Laser plasma irradiation of SiC subject LDPE plasma formation by ultra-short pulse lasers subject XUV/NIR dual action
Laser and particle beams (Online) 31 (2013): 547–550.
<https://dx.doi.org/10.1017/S026303461300058X>

158)-Global Minimum Pt₁₃M₂₀ (M = Ag, Au, Cu, Pd) Dodecahedral Core-Shell Clusters

Borbon-Gonzalez, Dora J.; Fortunelli, Alessandro; Barcaro, Giovanni; Sementa, Luca; Johnston, Roy L.; Posada-Amarillas, Alvaro
The journal of physical chemistry. A 117 (2013): 14261–14266.
<https://dx.doi.org/10.1021/jp410079t>

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

Bonaccorsi, Lucio; Calandra, Pietro; Kiselev, Mikhail A.; Amenitsch, Heinz; Proverbio, Edoardo; Lombardo, Domenico
Langmuir 29 (2013): 7079–7086.
<https://dx.doi.org/10.1021/la400951s>

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

Lucio Bonaccorsi; Pietro Calandra; Heinz Amenitsch; Edoardo Proverbio; Domenico Lombardo
Microporous and mesoporous materials (Print) 167 (2013): 3–9.
<https://dx.doi.org/10.1016/j.micromeso.2012.10.024>

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

Kiselev, M. A.; Janich, M.; Hildebrand, A.; Strunz, P.; Neubert, R. H. H.; Lombardo, D.subjectBile saltssubjectPhospholipidsubjectPhosphatidylcholine (DPPC)subjectSmall angle neutron scatteringsubjectVesicle-micelle transition
Chemical physics (Print) 424 (2013): 93–99.
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162)-Mixture Design Optimization of Low-Noise Pavements

Losa, M.; Leandri, R.; Licitra, G.
Transportation research record (2013): 25–33.
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163)-Growth of LTA zeolite nanoclusters using a block copolymer template

L. Bonaccorsi; P. Calandra; M.A. Kiselev; H. Amenitsch; E. Proverbio; D. Lombardo
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164)-Grain Size Control of the Magnetic Nanoparticles by Solid State Route Modification

Barreto, A. C. H.[1,2]; Santiago, V. R.[1,2]; Freire, R. M.[1]; Mazzetto, S. E.[2]; Sasaki, J. M.[3]; Vasconcelos, I. F.[4]; Denardin, J. C.[5]; Mele, Giuseppe[6]; Carbone, Luigi[7];

Fechine, P. B. A[1].subjectCoFe2O4subjectmagnetic nanoparticlessubjectNiFe2O4subjectsize grain control

Journal of materials engineering and performance (Print) 22 (2013): 2073–2079.

<https://dx.doi.org/10.1007/s11665-013-0480-8>

165)-M₂ZnFe₂O₄ (M = Ni, Mn) cubic superparamagnetic nanoparticles obtained by hydrothermal synthesis

Freire, Rafael Melo; Ribeiro, Thiago S.; Vasconcelos, Igor F.; Denardin, Juliano C.; Barros, Eduardo Bedê D; Mele, Giuseppe; Carbone, Luigi; Mazzetto, Selma Elaine; Fechine, Pierre Basílio AlmeidassubjectCubic morphologysubjectHydrothermal synthesissubjectMagnetic nanoparticlessubjectMixed ferrites

Journal of nanoparticle research 15 (2013).

<https://dx.doi.org/10.1007/s11051-013-1616-3>

166)-Mid-Infrared Surface Plasmon Polariton Sensors Resonant with the Vibrational Modes of Phospholipid Layers

Limaj, Odeta; D'Apuzzo, Fausto; Di Gaspare, Alessandra; Giliberti, Valeria; Domenici, Fabio; Sennato, Simona; Bordi, Federico; Lupi, Stefano; Ortolani, Michele

Journal of physical chemistry. C 117 (2013): 19119–19126.

<https://dx.doi.org/10.1021/jp402629g>

167)-Adjusting membrane lipids under salt stress: the case of the moderate halophilic organism *Halobacillus halophilus*

Lopalco, Patrizia; Angelini, Roberto; Lobasso, Simona; Koecher, Saskia; Thompson, Melanie; Mueller, Volker; Corcelli, Angela

Environmental microbiology (Print) 15 (2013): 1078–1087.

<https://dx.doi.org/10.1111/j.1462-2920.2012.02870.x>

168)-Lipid fingerprints of intact viruses by MALDI-TOF/mass spectrometry

Vitale, Rita; Roine, Elina; Bamford, Dennis Henry; Corcelli, AngelassubjectArchaeal virussubjectBacteriophagesubjectEnveloped virussubjectMass spectrometrysubjectMembrane lipid

Biochimica and biophysica acta. Molecular and cell biology of lipids 1831 (2013): 872–879.

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169)-Semiconductor nanocrystals dispersed in imidazolium-based ionic liquids: a spectroscopic and morphological investigation

Panniello, Annamaria; Binetti, Enrico; Ingrosso, Chiara; Curri, M. Lucia; Agostiano, Angela; Tommasi, Raffaele; Striccoli, MarinellassubjectColloidal nanocrystalsubjectIonic liquidssubjectLuminescencesubjectOptical spectroscopysubjectTime-resolved emission spectroscopy

Journal of nanoparticle research 15 (2013).

<https://dx.doi.org/10.1007/s11051-013-1567-8>

170)-Interocular symmetry of parafoveal photoreceptor cone density distribution

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

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

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

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

Lopes, Manuel; Toury, Timothee; de La Chapelle, Marc Lamy; Bonaccorso, Francesco; Gucciardi, Pietro Giuseppesubjectplasmonica

Review of scientific instruments 84 (2013).

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

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

Farsaci, Francesco; Tellone, Ester; Cavallaro, Mauro; Russo, Annamaria; Ficarra, SilvanasubjectBloodsubjectDielectric relaxation in bloodsubjectNon-equilibrium thermodynamicssubjectWhite blood cells

Journal of molecular liquids (Print) 188 (2013): 113–119.

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

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

VINCENZO CIANCIO; FRANCESCO FARSACIsubjectelectric conducibilitysubjectrelaxation phenomena

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

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174)-Nano-Localized Heating Source for Photonics and Plasmonics

De Sio; Luciano; Placido; Tiziana; Serak; Svetlana; Comparelli; Roberto; Tamborra; Michela; Tabiryan; Nelson; Curri; M. Lucia; Bartolino; Roberto; Umeton; Cesare; Bunning; Timothysubject..

Advanced optical materials 1 (2013): 899–904.

<https://dx.doi.org/10.1002/adom.201300275>

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

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

Energy & environmental science (Print) (2013).

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

176)-Assembly of Gold Nanorods for Highly Sensitive Detection of Mercury Ions

Placido; Tiziana; Comparelli; Roberto; Striccoli; Marinella; Agostiano; Angela; Merkoci; Arben; Curri; Maria Lucia

Gold nanorods
assembly
sensing
mercury detection
METAL-IONS
L-CYSTEINE
NANOPARTICLES
COMPLEXES
GROWTH

IEEE sensors journal 13 (2013): 2834–2841.

<https://dx.doi.org/10.1109/JSEN.2013.2257738>

177)-Identification of Ros Produced by Photodynamic Activity of Chlorophyll/Cyclodextrin Inclusion Complexes

Cellamare, Barbara M.; Fini, Paola; Agostiano, Angela; Pinalysa Cosma

BETA-CYCLODEXTRIN DERIVATIVES
SINGLET OXYGEN
CHLOROPHYLL-A
CYTOCHROME-C
AQUEOUS-SOLUTIONS
URIC-ACID
IN-VIVO
CELLS
THERAPY
ANION

Photochemistry and photobiology 89 (2013): 432–441.

<https://dx.doi.org/10.1111/j.1751-1097.2012.01238.x>

178)-Fluid Flow and Sub-Bactericidal Release of Silver from Organic Nanocomposite Coatings Enhance Operon Expression in Staphylococcus epidermidis

Maria G. Katsikogianni; Antigoni Foka; Eloisa Sardella; Chiara Ingrosso; Pietro Favia; Annarosa Mangone; Iris Spiliopoulou; Yannis F. Missirlis

Bacterial Adhesion; Silver; Nanocomposite; Plasma Polymerisation; Gene Expression; Shear

Journal of biomaterials and nanobiotechnology (Online) 4 (2013): 30–40.

<https://dx.doi.org/10.4236/jbnb.2013.44A004>

179)-Hybrid Charge Transfer Complexes Based on Archaeal Glycolipids Wrapping Single Walled Carbon Nanotubes

C. Ingrosso; G. V. Bianco; M. Corricelli; A. Corcelli; S. Lobasso; G. Bruno; A. Agostiano; M. Striccoli; M. L. Curri

Chemical communications (Lond., 1996, Print) (2013).

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180)-Part per Trillion Label-Free Electronic Bioanalytical Detection

Magliulo, Maria; Mallardi, Antonia; Gristina, Roberto; Ridi, Francesca; Sabbatini, Luigia; Cioffi, Nicola; Palazzo, Gerardo; Torsi, Luisasubjectbioanalytical detection

Analytical chemistry (Wash.) 85 (2013): 3849–3857.

<https://dx.doi.org/10.1021/ac302702n>

181)-Interaction of TiO₂ Nanocrystals with Imidazolium-Based Ionic Liquids

Binetti; Enrico; Panniello; Annamaria; Tommasi; Raffaele; Agostiano; Angela; Fantini; Sebastien; Curri; M. Lucia; Striccoli; MarinellasubjectALKYL CHAIN-LENGTHsubjectSTRUCTURAL ORGANIZATIONsubjectDEPENDENT

FLUORESCENCESubjectPHYSICAL-

PROPERTIESsubjectANIONsubjectNANORODSsubjectNANOPARTICLESsubjectAGGREGATIONsubjectELECTROLYTESubjectNETWORKS

Journal of physical chemistry. C 117 (2013): 12923–12929.

<https://dx.doi.org/10.1021/jp312266s>

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

Gorrasi, Giuliano; Milone, Candida; Piperopoulos, Elpida; Lanza, Maurizio; Sorrentino, AndreasubjectHybrid clay mineralssubjectPIAsubjectCarbon

nanotubessubjectPhotodegradation

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

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

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

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

Saitta, AM; Saija, F; Giaquinta. PV

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

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

info:cnr-pdr/source/autori:Saitta, AM; Saija, F; Giaquinta. PV/congresso_nome:7th International Discussion Meeting on Relaxations in Complex Systems/congresso_luogo:Barcelona, Spain/congresso_data:21-26/7/2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

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

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

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

info:cnr-pdr/source/autori:A.M. Saitta, F. Saija, G. Cassone, P. V. Giaquinta, M. Degrada, M. Casula, S. Sorella, F. Mauri/congresso_nome:WaterEurope 2013/congresso_luogo:Saragoza, Spain/congresso_data:12-14/6/2014/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

3)-Density-functional theory of free and supported metal nanoclusters and nanoalloys

A. Fortunelli; G. Barcaro

Metal Clusters and Nanoalloys - From Modeling to Applications, edited by Marcelo Mario Mariscal; Oscar Alejandro Oviedo; Ezequiel Pedro Marcos Leiva, pp. 29–79. New York: Springer, 2013

https://dx.doi.org/10.1007/978-1-4614-3643-0_2

info:cnr-pdr/source/autori:A. Fortunelli; G. Barcaro/titolo:Density-functional theory of free and supported metal nanoclusters and nanoalloys/titolo_volume:Metal Clusters and Nanoalloys - From Modeling to Applications/curatori_volume:Marcelo Mario Mariscal; Oscar Alejandro Oviedo; Ezequiel Pedro Marcos Leiva/editore:

/anno:2013

4)-Observation of empty liquids and equilibrium gels in a colloidal clay

R. Angelini (1); B. Ruzicka (1); E. Zaccarelli (2); L. Zulian (3); M. Sztucki (4); A. Moussaïd (4); T. Narayanan (4); F. Sciortino (2)subjectcolloidssubjectempty liquidssubjectgelssubjectphase separationssubjectSAXS

4th International Symposium on Slow Dynamics in Complex Systems: Keep Going Tohoku, pp. 384–390, Sendai, Japan, 2-7 December 2012

<https://dx.doi.org/10.1063/1.4794601>

info:cnr-pdr/source/autori:R. Angelini (1); B. Ruzicka (1); E. Zaccarelli (2); L. Zulian (3); M. Sztucki (4); A. Moussaïd (4); T. Narayanan (4); F. Sciortino (2)/congresso_nome:4th International Symposium on Slow Dynamics in Complex Systems: Keep Going Tohoku/congresso_luogo:Sendai, Japan/congresso_data:2-7 December 2012/anno:2013/pagina_da:384/pagina_a:390/intervallo_pagine:384–390

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

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

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

<urn:isbn:9788863699739>

info:cnr-pdr/source/autori:Chiara Guarisco, Giovanni Palmisano, Vincenzo Augugliaro, Giuseppe Calogero, Rosaria Ciriminna, Gaetano Di Marco, Vittorio Loddo, Mario Pagliaro/congresso_nome:SuNEC 2013- Sun New Energy Conference/congresso_luogo:Santa Flavia, Palermo/congresso_data:10-12 settembre 2013/anno:2013/pagina_da:70/pagina_a:72/intervallo_pagine:70–72

6)-Density-Functional Theory of Free and Supported Metal Nanoclusters and Nanoalloys

FORTUNELLI A. and Barcaro G

Metal Clusters and Nanoalloys: From Modeling to Applications, edited by Marcelo Mario Mariscal, Oscar Alejandro Oviedo, Ezequiel Pedro Marcos Leiva, pp. 29–79. New York: Springer, 2013

https://dx.doi.org/10.1007/978-1-4614-3643-0_2

info:cnr-pdr/source/autori:FORTUNELLI A. and Barcaro G/titolo:Density-Functional Theory of Free and Supported Metal Nanoclusters and Nanoalloys/titolo_volume:Metal Clusters and Nanoalloys: From Modeling to Applications/curatori_volume:Marcelo Mario Mariscal, Oscar Alejandro Oviedo, Ezequiel Pedro Marcos Leiva/editore:

/anno:2013

7)-Alloys on the Nanoscale

Barcaro G. and Caro A. and FORTUNELLI A.

Springer Handbook of Nanomaterials, edited by Robert Vajtai, pp. 409–472. New York: Springer, 2013

<https://dx.doi.org/10.1007/978-3-642-20595-8>

info:cnr-pdr/source/autori:Barcaro G. and Caro A. and FORTUNELLI A./titolo:Alloys on the Nanoscale/titolo_volume:Springer Handbook of Nanomaterials/curatori_volume:Robert Vajtai/editore:

/anno:2013

8)-Reactivity and catalysis by nanoalloys

Bazin D. and Fechete I. and Garin F. and Barcaro G. and Negreiros F. R. and Sementa L. and FORTUNELLI A.

Nanoalloys - From Fundamentals to Emergent Applications, edited by Florent Calvo, pp. 283–344. NEW YORK: ELSEVIER, 2013

<https://dx.doi.org/10.1016/B978-0-12-394401-6.00009-6>

info:cnr-pdr/source/autori:Bazin D. and Fechete I. and Garin F. and Barcaro G. and Negreiros F. R. and Sementa L. and FORTUNELLI A./titolo:Reactivity and catalysis by nanoalloys/titolo_volume:Nanoalloys - From Fundamentals to Emergent Applications/curatori_volume:Florent Calvo/editore:

/anno:2013

9)-Self-organized chiral microspheres; optical control and applications

Alfredo Mazzulla; Raúl Josué Hernández; Roberto Bartolino; Karen Volke-Sepulveda; Gabriella Cipparrone

12th European Conference on Liquid Crystals, ECLC-2013, Rodi (Grecia), 22 -27 Settembre

<http://www.cnr.it/prodotto/i/269140>

info:cnr-pdr/source/autori:Alfredo Mazzulla, Raúl Josué Hernández, Roberto Bartolino, Karen Volke-Sepulveda, Gabriella Cipparrone/congresso_nome:12th European Conference on Liquid Crystals, ECLC-2013/congresso_luogo:Rodi (Grecia)/congresso_data:22 -27 Settembre/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

10)-Circular dichroism spectrometer based on a diffractive liquid crystal cell

Alfredo Mazzulla; Clementina Provenzano; Pasquale Pagliusi; Gabriella Cipparrone
I Workshop Norte-Paranaense de Fluidos Complexos, Maringá (Brasile), 8 ottobre
<http://www.cnr.it/prodotto/i/269146>

info:cnr-pdr/source/autori:Alfredo Mazzulla, Clementina Provenzano, Pasquale Pagliusi,
Gabriella Cipparrone/congresso_nome:I Workshop Norte-Paranaense de Fluidos
Complexos/congresso_luogo:Maringá (Brasile)/congresso_data:8
ottobre/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

11)-Chiral microparticles in circular polarized light traps

Alfredo Mazzulla; Raúl Josué Hernández; Roberto Bartolino; Karen Volke-Sepulveda;
Gabriella Cipparrone

*9th Ibero-American Workshop on Complex Fluids and 2nd Italian-Brazilian Workshop on
Liquid Crystals, Maceió (Brasile), 14 - 18 ottobre*

<http://www.cnr.it/prodotto/i/269150>

info:cnr-pdr/source/autori:Alfredo Mazzulla, Raúl Josué Hernández, Roberto Bartolino, Karen
Volke-Sepulveda, Gabriella Cipparrone/congresso_nome:9th Ibero-American Workshop on
Complex Fluids and 2nd Italian-Brazilian Workshop on Liquid
Crystals/congresso_luogo:Maceió (Brasile)/congresso_data:14 - 18
ottobre/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

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

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

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

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

info:cnr-pdr/source/autori:M.C. Spadaro, E. Fazio, F. Neri, P.M. Ossi, S.
Trusso/congresso_nome:12th Conference on Laser Ablation/congresso_luogo:Ischia
(Italy)/congresso_data:6-11 Ottobre 2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

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

N.R. Agarwal M. Tommasini E. Fazio F. Neri R.C. Ponterio S. Trusso P.M.Ossi

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

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

info:cnr-pdr/source/autori:N.R. Agarwal M. Tommasini E. Fazio F. Neri R.C. Ponterio S.
Trusso P.M.Ossi/congresso_nome:12th International Conference on Laser
Ablation/congresso_luogo:Ischia (Italy)/congresso_data:6-11 Ottobre
2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

14)-Use of photosynthetic reaction centers as SPE active materials for herbicides detection

M.R. Guascito; D. Chirizzi; L. Giotta; C. Malitesta; M. Trotta; F.Milano

COST Thematic Workshop Bio-inspired Nanotechnologies for Biosensing, 3rd International Conference on Bio-Sensing Technology, Meliá Sitges, Sitges (ES), 16 maggio

<http://www.cnr.it/prodotto/i/274155>

info:cnr-pdr/source/autori:M.R. Guascito, D. Chirizzi, L. Giotta, C. Malitesta, M. Trotta, F.Milano/congresso_nome:COST Thematic Workshop Bio-inspired Nanotechnologies for Biosensing, 3rd International Conference on Bio-Sensing Technology/congresso_luogo:Meliá Sitges, Sitges (ES)/congresso_data:16 maggio/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

15)-Enhancing light harvesting capability of the photosynthetic reaction centre by a tailored molecular fluorophore

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

PHOTOTECH: Photosynthetic proteins for technological applications: biosensors and biochips - First Plenary Workshop COST Action TD1102, Antwerp (NL), April 10-12

<http://www.cnr.it/prodotto/i/274931>

info:cnr-pdr/source/autori:F. Milano, R. Tangorra, O. Hassan Omar, R. Ragni, A. Operamolla, A. Agostiano, G.M. Farinola and M. Trotta/congresso_nome:PHOTOTECH: Photosynthetic proteins for technological applications: biosensors and biochips - First Plenary Workshop COST Action TD1102/congresso_luogo:Antwerp (NL)/congresso_data:April 10-12/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

16)-An organic enhanced photosynthetic reaction center

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

Training School "Molecular Machines in Membranes COST Action CM0902", Lisbon (Pt), 15-18 May

<http://www.cnr.it/prodotto/i/274933>

info:cnr-pdr/source/autori:R. Tangorra, F. Milano, O. Hassan Omar, D. Belviso, R. Caliandro, F. Italiano, R. Ragni, A. Operamolla, A. Agostiano, G.M. Farinola and M. Trotta/congresso_nome:Training School "Molecular Machines in Membranes COST Action CM0902"/congresso_luogo:Lisbon (Pt)/congresso_data:15-18 May/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

17)-An organic enhanced photosynthetic reaction center

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

1st Italian Meeting Porphyrine and Phtalocyanines, Roma, 1 - 3 luglio

<http://www.cnr.it/prodotto/i/274936>

info:cnr-pdr/source/autori:R. Tangorra, F. Milano, O. Hassan Omar, D. Belviso, R. Caliandro, F. Italiano, R. Ragni, A. Operamolla, A. Agostiano, G.M. Farinola and M. Trotta/congresso_nome:1st Italian Meeting Porphyrine and Phtalocyanines/congresso_luogo:Roma/congresso_data:1 - 3 luglio/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

18)-A photosynthetic reaction center enhanced by organic fluorophore

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

International Workshop on Protein Electron Transfer: from Fundamentals to Applications for Health, Modena (IT)., 29-30 ottobre

<http://www.cnr.it/prodotto/i/274937>

info:cnr-pdr/source/autori:A. Operamolla, R. Tangorra, F. Milano, O. Hassan Omar, D. Belviso, R. Caliandro, F. Italiano, R. Ragni, A. Agostiano, G. M. Farinola, M. Trotta/congresso_nome:International Workshop on Protein Electron Transfer: from Fundamentals to Applications for Health/congresso_luogo:Modena (IT)./congresso_data:29-30 ottobre/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

19)-Photosynthetic bacteria play heavy metal

Massimo Trotta

Final Meeting COST Action CM0902: Molecular Machines for Ion Translocation across Biomembranes, Innsbruck (AT), 9-10 novembre

<http://www.cnr.it/prodotto/i/274938>

info:cnr-pdr/source/autori:Massimo Trotta/congresso_nome:Final Meeting COST Action CM0902: Molecular Machines for Ion Translocation across Biomembranes/congresso_luogo:Innsbruck (AT)/congresso_data:9-10 novembre/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

20)-The double life of Ag nanoparticles: Eco-toxicological evaluation of a relevant commercial material by using the bacterium Rhodobacter sphaeroides

F.Italiano; V. De Leo; D. Avolio; A. Agostiano; L. Catucci; R. Comparelli; M. Trotta

IX Convegno Nazionale INSTM sulla Scienza e Tecnologia dei Materiali, Bari, 30 giugno - 3 luglio

<http://www.cnr.it/prodotto/i/274939>

info:cnr-pdr/source/autori:F.Italiano, V. De Leo, D. Avolio, A. Agostiano, L. Catucci, R. Comparelli, M. Trotta/congresso_nome:IX Convegno Nazionale INSTM sulla Scienza e Tecnologia dei Materiali/congresso_luogo:Bari/congresso_data:30 giugno - 3 luglio/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

21)-Breakthrough in all-optical plasmonics and photonics

De Sio; Luciano; Umeton; Cesare; Placido; Tiziana; Tamborra; Michela; Comparelli; Roberto; Serak; Svetlana; Tabiryan; Nelson; Klein; Gerard; Cunningham; Alastair; Buergi; Thomas; Bunning; Timothy

245th National Spring Meeting of the American-Chemical-Society (ACS), New Orleans, LA, USA, Apr 07-11, 2013

<http://www.cnr.it/prodotto/i/274967>

info:cnr-pdr/source/autori:De Sio, Luciano and Umeton, Cesare and Placido, Tiziana and Tamborra, Michela and Comparelli, Roberto and Serak, Svetlana and Tabiryan, Nelson and Klein, Gerard and Cunningham, Alastair and Buergi, Thomas and Bunning, Timothy/congresso_nome:245th National Spring Meeting of the American-Chemical-Society (ACS)/congresso_luogo:New Orleans, LA, USA/congresso_data:Apr 07-11, 2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

22)-Inorganic Micro- and Nanomaterials Synthesis and Characterization

COMPARELLI R. and Fanizza E and Striccoli M and Curri M L

Inorganic Micro- and Nanomaterials Synthesis and Characterization, edited by Di Benedetto, Angela Aresta, Michele, pp. 157–198, 2013

<https://dx.doi.org/10.1515/9783110306873.157>

info:cnr-pdr/source/autori:COMPARELLI R. and Fanizza E and Striccoli M and Curri M L/titolo:Inorganic Micro- and Nanomaterials Synthesis and Characterization/titolo_volume:Inorganic Micro- and Nanomaterials Synthesis and Characterization/curatori_volume:Di Benedetto, Angela Aresta, Michele/editore:/anno:2013

23)-Kirkwood-Buff Integrals in Fully Miscible Ternary Systems: Thermodynamic Data, Calculation, Representation, and Interpretation.

Enrico Matteoli; Paolo Gianni; Luciano Lepori

Fluctuation Theory of Solutions, edited by P.E.Smith, J.P.O'Connell, E.Matteoli, pp. 93–116. London: CRC Press - Taylor & Francis Group, 2013

<urn:isbn:978-1-4398-9922-9>

info:cnr-pdr/source/autori:Enrico Matteoli, Paolo Gianni, Luciano Lepori/titolo:Kirkwood-Buff Integrals in Fully Miscible Ternary Systems: Thermodynamic Data, Calculation, Representation, and Interpretation./titolo_volume:Fluctuation Theory of Solutions/curatori_volume:P.E.Smith, J.P.O'Connell, E.Matteoli/editore:

/anno:2013

24)-Fluctuation Theory of Solutions: A Primer.

P.E.Smith; E.Matteoli; J.P.O'Connell

Fluctuation Theory of Solutions, edited by P.E.Smith, J.P.O'Connell, E.Matteoli, pp. 1–34.
London: CRC Press - Taylor & Francis Group, 2013

[urn:isbn:978-1-4398-9922-9](https://doi.org/10.1080/00036817.2013.828888)

info:cnr-pdr/source/autori:P.E.Smith, E.Matteoli, J.P.O'Connell/titolo:Fluctuation Theory of Solutions: A Primer./titolo_volume:Fluctuation Theory of Solutions/curatori_volume:P.E.Smith, J.P.O'Connell, E.Matteoli/editore:

/anno:2013

25)-20 petaflops simulation of proteins suspensions in crowding conditions

Bernaschi M.; Bisson M.; Fatica M.; Melchionna S.

Conference for High Performance Computing, 2013

<https://dx.doi.org/10.1145/2503210.2504563>

info:cnr-pdr/source/autori:Bernaschi M.; Bisson M.; Fatica M.; Melchionna S./congresso_nome:Conference for High Performance Computing/congresso_luogo:/congresso_data:2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

26)-Rigid amorphous fraction evolution during crystallization in PLLA and PHB

M.C. Righetti; E. Tombari

EPF2013 Pisa 16-21 giugno 2013, 2013

<http://www.cnr.it/prodotto/i/296314>

info:cnr-pdr/source/autori:M.C. Righetti, E. Tombari/congresso_nome:EPF2013 Pisa 16-21 giugno 2013/congresso_luogo:/congresso_data:2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

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

Pietro Calandra; Gabriele Salvato; Francesco Aliotta

International Soft Matter Conference 2013, Rome (Italy), 15-19 September 2013

<http://www.ismc2013.it/files/books/booklet.pdf>

info:cnr-pdr/source/autori:Pietro Calandra, Gabriele Salvato and Francesco Aliotta/congresso_nome:International Soft Matter Conference 2013/congresso_luogo:Rome (Italy)/congresso_data:15-19 September 2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

28)-Conductive mixtures of two non-conducting liquids: octanoic acid and bis(2-ethylhexyl)amine

Calandra, Pietro; Mandanici, Andrea; Turco Liveri, Vincenzo

7th International Discussion Meeting on Relaxations in Complex Systems, Barcelona, Catalonia (Spain), Sunday, July 21st - Friday, July 26th, 2013

<https://idmrcs7.upc.edu>

info:cnr-pdr/source/autori:Calandra, Pietro; Mandanici, Andrea; Turco Liveri, Vincenzo/congresso_nome:7th International Discussion Meeting on Relaxations in Complex Systems/congresso_luogo:Barcelona, Catalonia (Spain)/congresso_data:Sunday, July 21st - Friday, July 26th, 2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

29)-Enhancement of electrorheological effect by particle-fluid interaction

Francesco Aliotta; Pietro Calandra; Mikolaj Pochylski; Rosina Celeste Ponterio; Gabriele Salvato; Cirino Vasi

International Soft Matter Conference 2013, Roma (Italy), 15-19 September 2013

<http://www.ismc2013.it/files/books/booklet.pdf>

info:cnr-pdr/source/autori:Francesco Aliotta, Pietro Calandra, Mikolaj Pochylski, Rosina Celeste Ponterio, Gabriele Salvato and Cirino Vasi/congresso_nome:International Soft Matter Conference 2013/congresso_luogo:Roma (Italy)/congresso_data:15-19 September 2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

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

Pietro Calandra; Domenico Lombardo; Isabella Nicotera; Cesare Oliviero Rossi; Vincenzo Turco Liveri

International Soft Matter Conference 2013, Rome (Italy), 15-19 September 2013

<http://www.ismc2013.it/files/books/booklet.pdf>

info:cnr-pdr/source/autori:Pietro Calandra, Domenico Lombardo, Isabella Nicotera, Cesare Oliviero Rossi and Vincenzo Turco Liveri/congresso_nome:International Soft Matter Conference 2013/congresso_luogo:Rome (Italy)/congresso_data:15-19 September 2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

31)-Materials improvements towards industrialization of glass on glass DSSC

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

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

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

info:cnr-pdr/source/autori:I. Zama, M. Serantoni, A. Antonini, C. Martelli, F.Malara, G. Gorni, F. Matteucci G. Calogero, G. Di Marco
dM.Blosi/congresso_nome:Dye sensitised solar cells: from materials to devices/congresso_luogo:Torino/congresso_data:31st January , - 1st February 2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

32)-Reconstitution of a fully active photosynthetic Reaction Center in organic scaffoldings for supramolecular biological-organic hybrid devices

Rocco Roberto Tangorra; Francesco Milano; Alessandra Operamolla; John Henrard; Roberto Comparelli; Francesca Italiano; Omar Hassan Omar; Angela Agostiano; Gianluca M. Farinola e Massimo Trotta

15th Congress of the European Society for Photobiology, Liegi (Be), 2-6 settembre 2013

<http://www.cnr.it/prodotto/i/300037>

info:cnr-pdr/source/autori:Rocco Roberto Tangorra, Francesco Milano, Alessandra Operamolla, John Henrard, Roberto Comparelli, Francesca Italiano, Omar Hassan Omar, Angela Agostiano, Gianluca M. Farinola e Massimo Trotta/congresso_nome:15th Congress of the European Society for Photobiology/congresso_luogo:Liegi (Be)/congresso_data:2-6 settembre 2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

33)-Bio-organic hybrid photosynthetic architectures for enhanced photoconversion

Gianluca M. Farinola; Francesco Milano; Rocco Roberto Tangorra; Omar Hassan Omar; Roberta Ragni; Alessandra Operamolla; Angela Agostiano; Massimo Trotta

12th European Conference on Organic Electronics, ECME-12, Londra (UK), 3-7 settembre 2013

<http://www.cnr.it/prodotto/i/300038>

info:cnr-pdr/source/autori:Gianluca M. Farinola, Francesco Milano, Rocco Roberto Tangorra, Omar Hassan Omar, Roberta Ragni, Alessandra Operamolla, Angela Agostiano, Massimo Trotta/congresso_nome:12th European Conference on Organic Electronics, ECME-12/congresso_luogo:Londra (UK)/congresso_data:3-7 settembre 2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

34)-Struttura cristallina del centro di reazione fotosintetico covalentemente legato ad un nuovo fluoroforo organico che ne migliora le proprietà di assorbimento della luce

Danilo Belviso; Rocco Roberto Tangorra; Francesco Milano; Rocco Caliandro; Omar Hassan Omar; Francesca Italiano; Roberta Ragni; Alessandra Operamolla; Angela Agostiano; Gianluca M. Farinola e Massimo Trotta

Congresso annuale della Società Italiana di Fotobiologia, Pisa, 13-14 giugno 2013

<http://www.cnr.it/prodotto/i/300039>

info:cnr-pdr/source/autori:Danilo Belviso, Rocco Roberto Tangorra, Francesco Milano, Rocco Caliandro, Omar Hassan Omar, Francesca Italiano, Roberta Ragni, Alessandra Operamolla, Angela Agostiano, Gianluca M. Farinola e Massimo Trotta/congresso_nome:Congresso

annuale della Società Italiana di Fotobiologia/congresso_luogo:Pisa/congresso_data:13-14 giugno 2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

35)-Bioconjugated fluorescent organic oligomers for light harvesting enhancement of photosynthetic reaction center

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

XIII International Krutyn Summer School 2013, Krutyn (Poland), 21-27 Maggio 2013

<http://www.cnr.it/prodotto/i/300040>

info:cnr-pdr/source/autori:R. Ragni, F. Milano, R. R. Tangorra, O. Hassan Omar, A. Operamolla, A. Agostiano, G. M. Farinola, M. Trotta/congresso_nome:XIII International Krutyn Summer School 2013/congresso_luogo:Krutyn (Poland)/congresso_data:21-27 Maggio 2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

36)-RECENT ADVENTURES IN THE STUDY OF NONLINEAR OPTICAL MIXED ELECTRIC AND MAGNETIC PROPERTIES AND SPECTROSCOPIES

Antonio Rizzo

XVIII International Congress on Quantum Systems in Chemistry and Physics" (XVIII QSCP), Paraty, Rio de Janeiro, Brasil, 1-7 Dicembre 2013

<http://www.cnr.it/prodotto/i/300349>

info:cnr-pdr/source/autori:Antonio Rizzo/congresso_nome:XVIII International Congress on Quantum Systems in Chemistry and Physics" (XVIII QSCP)/congresso_luogo:Paraty, Rio de Janeiro, Brasil/congresso_data:1-7 Dicembre 2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

37)-NONLINEAR ELECTRONIC CHIROOPTICAL SPECTROSCOPIES: THEORY AND EXPERIMENT

Antonio Rizzo

2013

<http://www.cnr.it/prodotto/i/300388>

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

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

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

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

info:cnr-pdr/source/autori:D.E. Bruno, G. Lombardo, G. Gola, A. Galgaro, E. Destro, E. Di Sipio, V. F. Uricchio, A. Manzella/congresso_nome:EGC - EUROPEAN GEOTHERMAL

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

P. G. Gucciardi

2nd International Summer School for young scientists on nanotechnology, Bukovel (Ukraine), 25 - 31 august 2014<http://www.cnr.it/prodotto/i/301830>

info:cnr-pdr/source/autori:P. G. Gucciardi/congresso_nome:2nd International Summer School for young scientists on nanotechnology/congresso_luogo:Bukovel (Ukraine)/congresso_data:25 - 31 august 2014/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

40)-An organic enhanced photosynthetic reaction center

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

IX Convegno Nazionale INSTM sulla Scienza e Tecnologia dei Materiali, Bari, 30 giugno - 3 luglio<http://www.cnr.it/prodotto/i/274935>

info:cnr-pdr/source/autori:R. Tangorra, F. Milano, O. Hassan Omar, D. Belviso, R. Caliandro, F. Italiano, R. Ragni, A. Operamolla, A. Agostiano, G.M. Farinola and M. Trotta/congresso_nome:IX Convegno Nazionale INSTM sulla Scienza e Tecnologia dei Materiali/congresso_luogo:Bari/congresso_data:30 giugno - 3 luglio/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

41)-Fourth Order Approximation of the Mixed Derivative Operator

Nocera Lsubjectmixed derivativesubjectfinite difference methods

pp.1-12, 2013<http://puma.isti.cnr.it>**42)-Vlasov-Poisson Equilibria as Solutions of a Mixed Hilbert-Stieltjes Integral Inverse Problem**

Nocera L; Palumbo Lsubjectplasmasubjectsurfacessubjectsheathssubjectdouble layerssubjectBGK modessubjectVlasov equation

pp.1-10, 2013<http://puma.isti.cnr.it>**43)-Recent advances in tailoring size, shape and surface chemistry of colloidal nanocrystals**

Roberto Comparelli

*Mediterranean Workshop and Topical Meeting "Novel Optical Materials and Applications",
Cetraro, 10-15 June 2013*

<http://www.cnr.it/prodotto/i/312476>

info:cnr-pdr/source/autori:Roberto Comparelli/congresso_nome:Mediterranean Workshop and
Topical Meeting "Novel Optical Materials and
Applications"/congresso_luogo:Cetraro/congresso_data:10-15 June
2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

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

Irrera Alessia

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

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

info:cnr-pdr/source/autori:Irrera Alessia/congresso_nome:EMRS -Symposium : P Functional
nanowires: synthesis, characterization and
applications/congresso_luogo:strasburgo/congresso_data:27-31 maggio
2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

45)-Intervista su Impianti Solari

Lara Morandotti (impianti solari)Massimo Trotta IPCF CNR
2013

<http://www.cnr.it/prodotto/i/315600>

46)-Da un nuovo sistema ibrido la fotosintesi 'potenziata'

Massimo Trotta
2013

<http://lswn.it/chimica/da-un-nuovo-sistema-ibrido-la-fotosintesi-potenziata/>

47)-DENDRIMER-BASED HOST/GUEST SYSTEMS FOR DRUG DELIVERY

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

https://www.novapublishers.com/catalog/product_info.php?products_id=44405

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

/anno:2013

48)-Dendrimer-based Host/Guest Systems for Drug Delivery

D. Lombardo; L. Bonaccorsi; P. Calandra; M.A. Kiselev; E. Proverbio

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

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

info:cnr-pdr/source/autori:D. Lombardo , L. Bonaccorsi , P. Calandra , M.A. Kiselev, E. Proverbio/congresso_nome:Workshop on Biomaterials and Their Interactions with Biological and Model Membranes (2013)/congresso_luogo:Salou (Spagna)/congresso_data:24-26 Febbraio 2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

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

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

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

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

info:cnr-pdr/source/autori:M.A. Kiselev, E.V. Zemlyanaya, N.Y. Ryabova, T. Hauss, L. Almasy, S.S. Funari, J. Zbytovska, D. Lombardo/congresso_nome:Workshop on Biomaterials and Their Interactions with Biological and Model Membranes (2013)/congresso_luogo:Salou (Spagna)/congresso_data:24-26 Febbraio 2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

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

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

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

51)-Report III SAL PON MAAT

Marinella Striccoli; Maria Lucia Curri; Annamaria Panniello; Nicoletta Depalo; Michela Corricelli

2013

<http://www.cnr.it/prodotto/i/315313>

52)-Report II SAL PON MAAT

Marinella Striccoli; Maria Lucia Curri; Annamaria Panniello; Michela Corricelli

2013

<http://www.cnr.it/prodotto/i/315280>

53)-Colloidal Nanocrystals for Application in Energy Devices

Marinella Striccoli

2° Orion Summer School "Nanostructured Hybrid Materials for Energy Devices: From experiment to modeling", Granada (Spain), 09/06/2013

<http://www.cnr.it/prodotto/i/315365>

info:cnr-pdr/source/autori:Marinella Striccoli/congresso_nome:2° Orion Summer School "Nanostructured Hybrid Materials for Energy Devices: From experiment to modeling"/congresso_luogo:Granada (Spain)/congresso_data:09/06/2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

54)-Mass and charge flow in nanopores: numerical simulation via mesoscale models

Mauro Chinappi (1); Simone Melchionna (2); Fabio Cecconi (3); Umberto Marini Bettolo Marconi (4); Carlo Massimo Casciola (5)subjectNanofluidicssubjectnanoporesubjectnumerical simulationssubjectDNA translocation

XXI Congress "Associazione Italiana di Meccanica Teorica e Applicata" (AIMETA), Politecnico di Torino (Italy), 17-20/09/2013

http://www.aimeta.dicam.unibo.it/sites/www.aimeta.dicam.unibo.it/files/static/www.aimetatorino2013.it/cdrom/cdrom_it/sessionede19-4031.html

info:cnr-pdr/source/autori:Mauro Chinappi (1); Simone Melchionna (2); Fabio Cecconi (3); Umberto Marini Bettolo Marconi (4); Carlo Massimo Casciola (5)/congresso_nome:XXI Congress "Associazione Italiana di Meccanica Teorica e Applicata" (AIMETA)/congresso_luogo:Politecnico di Torino (Italy)/congresso_data:17-20/09/2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

55)-TRANSPORT AND DYNAMICS IN SUPERCOOLED CONFINED WATER

Mallamace, Francesco; Corsaro, Carmelo; Chen, Sow-Hsin; Stanley, H. Eugene subjectLiquid Polymorphismsubjectsupercooled watersubjectdynamical crossover, pp. 203–262, 2013

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

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

56)-BIO-ORGANIC HYBRID PHOTOSYNTHETIC COMPLEX FOR ENHANCED PHOTOCONVERSION ARYLENEETHYNYLENE FLUOROPHORES o

Rocco Roberto Tangorra; Francesco Milano; Omar Hassan Omar; Danilo Belviso; Rocco Caliandro; Francesca Italiano; Roberta Ragni; Alessandra Operamolla; Angela Agostiano; Gianluca M. Farinola; Massimo Trotta.subject..

La Chimica e la ricerca, tra Insegnamento, Ambiente e Qualità della Vita, Bari, 10/05/2013

<http://www.cnr.it/prodotto/i/330734>

info:cnr-pdr/source/autori:Rocco Roberto Tangorra, Francesco Milano, Omar Hassan Omar, Danilo Belviso, Rocco Caliandro, Francesca Italiano, Roberta Ragni, Alessandra Operamolla, Angela Agostiano, Gianluca M. Farinola, Massimo Trotta/congresso_nome:La Chimica e la ricerca, tra Insegnamento, Ambiente e Qualità della Vita/congresso_luogo:Bari/congresso_data:10/05/2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine:

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

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

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

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

info:cnr-pdr/source/autori:Chiara Guarisco, Giovanni Palmisano, Vincenzo Augugliaro, Giuseppe Calogero, Rosaria Ciriminna, Gaetano Di Marco, Vittorio Loddo, Mario Pagliaro./congresso_nome:3rd European Symposium on Photocatalysis/congresso_luogo:Portoroz, Slovenia/congresso_data:25-27 settembre 2013/anno:2013/pagina_da:/pagina_a:/intervallo_pagine: