

Peer-reviewed journal articles

1)-A comprehensive investigation of dye-chitosan blended films for green chemistry applications

Vito Rizzi; Alessandra Longo; Tiziana Placido; Paola Fini; Jennifer Gubitosa; Teresa Sibillano; Cinzia Giannini; Paola Semeraro; Esther Franco; Marcela Ferrandiz; Pinalysa CosmaSUBJECTadsorptionSUBJECTbiomaterialsSUBJECTpolysaccharidesSUBJECTseparation techniques

Journal of applied polymer science (Online) (2018).

<https://dx.doi.org/10.1002/APP.45945>

2)-Optical trapping and optical force positioning of two-dimensional materials

Donato M.G.; Messina E.; Foti A.; Smart T.J.; Jones P.H.; Iati M.A.; Saija R.; Gucciardi P.G.; Marago O.M.SUBJECTOptical forcesSUBJECTOptical tweezersSUBJECTlayered materialsSUBJECTboron nitrideSUBJECTmolybdenum sulfideSUBJECTtellurium sulfide

Nanoscale (Print) 10 (2018): 1245–1255.

<https://dx.doi.org/10.1039/c7nr06465a>

3)-Catalytic activity of silicon nanowires decorated with gold and copper nanoparticles deposited by pulsed laser ablation

Casiello M.; Picca R.A.; Fusco C.; D'Accolti L.; Leonardi A.A.; Lo Faro M.J.; Irrera A.; Trusso S.; Cotugno P.; Sportelli M.C.; Cioffi N.; Nacci A.SUBJECTAu nanoparticles; Caryl-N coupling; Cu nanoparticles; Si nanowires; reduction of nitroarenes

Nanomaterials (Basel) 8 (2018): 78–96.

<https://dx.doi.org/10.3390/nano8020078>

4)-TiO₂@PEI-Grafted-MWCNTs Hybrids Nanocomposites Catalysts for CO₂ Photoreduction

Fusco, Caterina; Casiello, Michele; Catucci, Lucia; Comparelli, Roberto; Cotugno, Pietro; Falcicchio, Aurelia; Fracassi, Francesco; Margiotta, Valerio; Moliterni, Anna; Petronella, Francesca; D'Accolti, Lucia; Nacci, Angelo; Nacci, AngeloSUBJECTArtificial photosynthesisSUBJECTCapture and valorization of CO₂SUBJECTMWCNTs hybrids nanocomposites

Materials (Basel) 11 (2018): 307–325.

<https://dx.doi.org/10.3390/ma11020307>

5)-Assessment of trans-scleral iontophoresis delivery of lutein to the human retina.

Lombardo, Marco; Villari, Valentina; Micali, Norberto; Roy, Pierre; Sousa, Sara H; Lombardo, GiuseppeSUBJECTscleral iontophoresisSUBJECTTramanSUBJECTluteina

Journal of biophotonics (Internet) 11 (2018).

<https://dx.doi.org/10.1002/jbio.201700095>

6)-Water-driven segmental cooperativity in polyvinyl butyral

Carini G.; Bartolotta A.; Carini G.; D'Angelo G.; Federico M.; Di Marco G. SUBJECT Polyvinyl butyral Water sorption Mechanical and dielectric relaxations Activation entropy

European Polymer Journal 98 (2018): 172–176.

<https://dx.doi.org/10.1016/j.eurpolymj.2017.11.016>

7)-Hydrogen mean force and anharmonicity in polycrystalline and amorphous ice

Parmentier; A.; Andreani; C.; Romanelli; G.; Shephard; J. J.; Salzmann; C. G.; Senesi; R. SUBJECT potential of mean force SUBJECT neutron Compton profile SUBJECT nuclear quantum effects SUBJECT path integral representation SUBJECT anharmonicity SUBJECT INELASTIC NEUTRON-SCATTERINGS SUBJECT INTEGRAL MOLECULAR-DYNAMICSS SUBJECT KINETIC-ENERGY SUBJECT TRIPLE POINTS SUBJECT CONDENSED MATTERS SUBJECT LOW-TEMPERATURES SUBJECT WATERS SUBJECT DENSITY SUBJECT SYSTEMS SUBJECT PHASE

SE

FRONTIERS OF PHYSICS 13 (2018).

<https://dx.doi.org/10.1007/s11467-017-0724-4>

8)-Electrospun Conjugated Polymer/Fullerene Hybrid Fibers: Photoactive Blends, Conductivity through Tunneling-AFM, Light Scattering, and Perspective for Their Use in Bulk-Heterojunction Organic Solar Cells

Yang Z.; Moffa M.; Liu Y.; Li H.; Persano L.; Camposeo A.; Saija R.; Iati M.A.; Marago O.M.; Pisignano D.; Nam C.-Y.; Zussman E.; Rafailovich M. SUBJECT FIELD-EFFECT TRANSISTORS; PHOTOVOLTAIC PROPERTIES; POLYMER NANOFIBERS; OPTICAL-PROPERTIES; EMITTING-DIODES; QUANTUM DOTS; THIN-FILMS; MORPHOLOGY; NANOWIRES; EFFICIENCY

Journal of physical chemistry. C. (Online) 122 (2018): 3058–3067.

<https://dx.doi.org/10.1021/acs.jpcc.7b11188>

9)-Iron and lithium-iron alkyl phosphates as nanostructured material for rechargeable batteries

Parola, Valeria La; Liveri, Vincenzo Turco; Todaro, Lorena; Lombardo, Domenico; Bauer, Elvira Maria; Dell'Era, Alessandro; Dell'Era, Alessandro; Longo, Alessandro; Longo, Alessandro; Caschera, Daniela; de Caro, Tilde; Toro, Roberta Grazia; Calandra, Pietro SUBJECT Hybrid materials SUBJECT Lithium ion batteries SUBJECT Tri n-butyl phosphates

Materials letters (Gen. ed.) 220 (2018): 58–61.

<https://dx.doi.org/10.1016/j.matlet.2018.02.112>

10)-Risk Assessment and Risk Minimization in Nanomedicine: A Need for Predictive, Alternative, and 3Rs Strategies

Accomasso, Lisa; Cristallini, Caterina; Giachino, Claudia
SUBJECTnanomaterialSUBJECTnanomedicineSUBJECTnanosafetySUBJECTrisk
assessmentSUBJECTrisk minimization
Frontiers in Pharmacology 9 (2018).
<https://dx.doi.org/10.3389/fphar.2018.00228>

11)-Predicting the helical sense of Poly(phenylacetylene)s from their Electron Circular Dichroism Spectra

B. Fernández; R. Rodríguez; A. Rizzo; E. Quiñoá; R. Riguera; F. Freire
SUBJECTDicroismo Circolare ElettronicoSUBJECTPolifenilacetileniSUBJECTTD-DFT
Angewandte Chemie (Int. ed., Print) 57 (2018): 3666–3670.
<https://dx.doi.org/10.1002/anie.201713164>

12)-Predicting the Helical Sense of Poly(phenylacetylene)s from their Electron Circular Dichroism Spectra

B. Fernández; R. Rodríguez; A. Rizzo; E. Quiñoá; R. Riguera; F. Freire
SUBJECTDicroismo Circolare ElettronicoSUBJECTPolifenilacetileniSUBJECTTD-DFT
Angewandte Chemie (Print) 130 (2018): 3728–3732.
<https://dx.doi.org/10.1002/ange.201713164>

13)-A QM/MM and QM/QM/MM study of Kerr, Cotton-Mouton and Jones linear birefringences in liquid acetonitrile

T. Fahleson; J. M. H. Olsen; P. Norman; A. Rizzo
SUBJECTQM/MMSUBJECTPolarizable Density EmbeddingSUBJECTLinear BirefringencesSUBJECTJones BirefringenceSUBJECTAcetonitrile
PCCP. Physical chemistry chemical physics (Print) 20 (2018): 3831–3840.
<https://dx.doi.org/10.1039/C7CP07421B>

14)-Encapsulation of curcumin-loaded liposomes for colonic drug delivery in a pH-responsive polymer cluster using a pH-driven and organic solvent-free process

De Leo, Vincenzo; Milano, Francesco; Mancini, Erminia; Comparelli, Roberto; Giotta, Livia; Nacci, Angelo; Longobardi, Francesco; Garbetta, Antonella; Agostiano, Angela; Catucci, Lucia
SUBJECTColonic drug deliverySUBJECTCurcuminSUBJECTEudragit S100SUBJECTNanoliposomesSUBJECTPH jump methodSUBJECTTEAC
Molecules (Basel, Online) 23 (2018).
<https://dx.doi.org/10.3390/molecules23040739>

15)-Quantum Effects for a Proton in a Low-Barrier, Double-Well Potential: Core Level Photoemission Spectroscopy of Acetylacetone

Feyer, Vitaliy; Feyer, Vitaliy; Prince, Kevin C.; Prince, Kevin C.; Coreno, Marcello; Melandri, Sonia; Maris, Assimo; Evangelisti, Luca; Caminati, Walther; Giuliano, Barbara M.; Giuliano, Barbara M.; Kjaergaard, Henrik G.; Carravetta, Vincenzo
SUBJECTcore photoemission

spectroscopySUBJECTcomputational
spectroscopySUBJECTacetylacetoneSUBJECTintramolecular hydrogen bond
The journal of physical chemistry letters 9 (2018): 521–526.
<https://dx.doi.org/10.1021/acs.jpcllett.7b03175>

16)-Molecular dynamics simulations of melting and sintering of Si nanoparticles: A comparison of different force fields and computational models

Sementa L.; Barcaro G.; Monti S.; Carravetta V.SUBJECTsilicon nanoparticles; molecular dynamics
PCCP. Physical chemistry chemical physics (Print) 20 (2018): 1707–1715.
<https://dx.doi.org/10.1039/c7cp07583a>

17)-Fluorescent LDPE and PLA nanocomposites containing fluorescein-modified layered double hydroxides and their ON/OFF responsive behavior towards humidity

Coiai, Serena; Javarone, Stefano; Cicogna, Francesca; Oberhauser, Werner; Onor, Massimo; Pucci, Andrea; Minei, Pierpaolo; Iasilli, Giuseppe; Passaglia, ElisaSUBJECTFluorescein co-intercalated layered double hydroxidesSUBJECTFluorescent polymer-based nanocompositesSUBJECTOptical propertiesSUBJECTResponsiveness to humidity
European Polymer Journal 99 (2018): 189–201.
<https://dx.doi.org/10.1016/j.eurpolymj.2017.12.021>

18)-Principles of Optical Spectroscopy of Aromatic Alloy Nanomolecules: Au³⁶-xAg^x(SPh-tBu)²⁴

Theivendran, Shevanuja; Chang, Le; Mukherjee, Aneek; Sementa, Luca; Stener, Mauro; Fortunelli, Alessandro; Dass, AmalaSUBJECTDENSITY-FUNCTIONAL THEORYSUBJECTCHIROPTICAL PROPERTIESSUBJECTGOLD-SILVER NANOPARTICLESSUBJECTTHEORETICAL-ANALYSISUBJECTNANOALLOYS
Journal of physical chemistry. C 122 (2018): 4524–4531.
<https://dx.doi.org/10.1021/acs.jpcc.8b00556>

19)-Transient viscous response of the human cornea probed with the Surface Force Apparatus

Zappone, Bruno; Patill, Navinkumar J.; Lombardo, Marco; Lombardo, GiuseppeSUBJECTVisco-elastic behaviourSUBJECTcornea tissueSUBJECTSFA
PloS one 13 (2018).
<https://dx.doi.org/10.1371/journal.pone.0197779>

20)-Non-invasive optical method for real-time assessment of intracorneal riboflavin concentration and efficacy of corneal cross-linking

Lombardo, Giuseppe; Villari, Valentina; Micali, Norberto L.; Leone, Nancy; Labate, Cristina; De Santo, Maria P.; Lombardo, MarcoSUBJECTCorneal cross-linkingSUBJECTFluorescenceSUBJECTRiboflavinSUBJECTTheranosticsSUBJECTUV-A device

Journal of biophotonics (Print) 11 (2018).
<https://dx.doi.org/10.1002/jbio.201800028>

21)-Ligand Structure Determines Nanoparticles' Atomic Structure, Metal-Ligand Interface and Properties

Rambukwella, Milan; Sakthivel, Naga Arjun; Delcamp, Jared H.; Sementa, Luca; Fortunelli, Alessandro; Dass, AmalaSUBJECTligand effectSUBJECTnanoparticle atomic structureSUBJECTmetal ligand interfaceSUBJECTligand-ligand interactionSUBJECTnanoparticle synthesis
Frontiers in Chemistry 6 (2018): 1–17.
<https://dx.doi.org/10.3389/fchem.2018.00330>

22)-Individual Component Map of Rotatory Strength and Rotatory Strength Density Plots As Analysis Tools of Circular Dichroism Spectra of Complex Systems

Chang, Le; Baseggio, Oscar; Sementa, Luca; Cheng, Daojian; Fronzoni, Giovanna; Toffoli, Daniele; Aprà, Edoardo; Stener, Mauro; Fortunelli, AlessandroSUBJECTtime-dependent density functional theorySUBJECTmonolayer-protected clusters
Journal of chemical theory and computation 14 (2018): 3703–3714.
<https://dx.doi.org/10.1021/acs.jctc.8b00250>

23)-Time-dependent density-functional study of the photoabsorption spectrum of Au₂₅(SC₂H₄C₆H₅)₁₈ anion: Validation of the computational protocol

Baseggio, Oscar; De Vetta, Martina; Fronzoni, Giovanna; Toffoli, Daniele; Stener, Mauro; Sementa, Luca; Fortunelli, AlessandroSUBJECTmonolayer-protected clustersSUBJECTtime-dependent density functional theory
International journal of quantum chemistry 118 (2018): 1–9.
<https://dx.doi.org/10.1002/qua.25769>

24)-PEGylate porphyrin-gold nanoparticles conjugates as removable pH-sensor nano-probes for acidic environments

Mineo, Placido G.; Abbadessa, Antonio; Rescifina, Antonio; Mazzaglia, Antonino; Nicosia, Angelo; Scamporrino, Andrea A.SUBJECTGold nanoparticlesSUBJECTNano-sensorsSUBJECTpH-sensorSUBJECTPorphyrinSUBJECTTD-DFT calculations
Colloids and surfaces. A, Physicochemical and engineering aspects (Print) 546 (2018): 40–47.
<https://dx.doi.org/10.1016/j.colsurfa.2018.02.061>

25)-Modulating the lifetime of the charge-separated state in photosynthetic reaction center by out-of-protein electrostatics

Milano, Francesco; Tangorra, Roberto R.; Agostiano, Angela; Giotta, Livia; De Leo, Vincenzo; Ciriaco, Fulvio; Trotta, MassimoSUBJECTRHODOBACTER-SPHAEROIDES R-26SUBJECTBACTERIAL REACTION CENTERS
MRS Advances 3 (2018): 1497–1507.

<https://dx.doi.org/10.1557/adv.2018.242>

26)-Optical Aggregation of Gold Nanoparticles for SERS Detection of Proteins and Toxins in Liquid Environment: Towards Ultrasensitive and Selective Detection

Foti, Antonino; D'Andrea, Cristiano; Villari, Valentina; Micali, Norberto; Donato, Maria Grazia; Fazio, Barbara; Marago, Onofrio M.; Gillibert, Raymond; de la Chapelle, Marc Lamy; Gucciardi, Pietro G. SUBJECTSERS SUBJECTbiosensor SUBJECTgold nanoparticles SUBJECTaptamers SUBJECTtoxins SUBJECTthemeprotein SUBJECTOptical forces SUBJECTOptical tweezers SUBJECTOptical patterning SUBJECTcolloids *Materials (Basel) 11 (2018).*

<https://dx.doi.org/10.3390/ma11030440>

27)-Nanoscale Discrimination between Toxic and Nontoxic Protein Misfolded Oligomers with Tip-Enhanced Raman Spectroscopy

D'Andrea, Cristiano; Foti, Antonino; Cottat, Maximilien; Banchelli, Martina; Capitini, Claudia; Barreca, Francesco; Canale, Claudio; de Angelis, Marella; Relini, Annalisa; Marago, Onofrio M.; Pini, Roberto; Chiti, Fabrizio; Gucciardi, Pietro G.; Matteini, Paolo SUBJECTAlzheimer's disease SUBJECTamyloid SUBJECTbiomolecules SUBJECTnanoscale SUBJECTTERS *Small (Weinh., Print) 14 (2018).*

<https://dx.doi.org/10.1002/sml.201800890>

28)-Photocatalytic Activity of TiO₂/AuNRs-SiO₂ Nanocomposites Applied to Building Materials

Alessandra Truppi; Manuel Luna; Francesca Petronella; Aurelia Falcicchio; Cinzia Giannini; Roberto Comparelli; Maria J. Mosquera SUBJECTnanocomposities SUBJECTphotocatalitic materials *Coatings (Basel) 8 (2018).*

<https://dx.doi.org/10.3390/coatings8090296>

29)-Counting of peripheral extracellular vesicles in Multiple Sclerosis patients by an improved nanoplasmonic assay and dynamic light scattering

Mallardi A1; Nuzziello N2; Liguori M3; Avolio C4; Palazzo G5. SUBJECTExtracellular vesicles SUBJECTExosomes SUBJECTNanoplasmonic assay SUBJECTGold nanoparticles SUBJECTMultiple sclerosis *Colloids and surfaces. B, Biointerfaces (Print) 168 (2018): 134–142.*

<https://dx.doi.org/10.1016/j.colsurfb.2018.02.006>

30)-Evidence of a low-temperature dynamical transition in concentrated microgels

Zanatta M.; Tavagnacco L.; Buratti E.; Bertoldo M.; Natali F.; Chiessi E.; Orecchini A.; Zaccarelli E. SUBJECTAcrylic monomers SUBJECTAmides SUBJECTIncoherent scattering SUBJECTMolecular dynamics SUBJECTNeutron scattering SUBJECTProteins *Science Advances 4 (2018).*

<https://dx.doi.org/10.1126/sciadv.aat5895>

31)-Interpenetrating Polymer Network Microgels in Water: Effect of Composition on the Structural Properties and Electrosteric Interactions

Micali N.; Bertoldo M.; Buratti E.; Nigro V.; Angelini R.; Villari V. SUBJECT colloidal properties SUBJECT electrosteric interactions SUBJECT microgel SUBJECT NMR spectroscopy SUBJECT polymer network

ChemPhysChem (Print) 19 (2018): 2894–2901.

<https://dx.doi.org/10.1002/cphc.201800707>

32)-TDDFT Study of the Optical Spectra of Free and Supported Binary Coinage Metal Hexamers: Effect of Doping and Support

Luque-Ceballos J.C.; Sementa L.; Apra E.; Fortunelli A.; Posada-Amarillas A. SUBJECT time-dependent density-functional theory SUBJECT clusters

Journal of physical chemistry. C 122 (2018): 23143–23152.

<https://dx.doi.org/10.1021/acs.jpcc.8b06397>

33)-Low cost tips for tip-enhanced Raman spectroscopy fabricated by two-step electrochemical etching of 125 μm diameter gold wires

Foti, Antonino; Barreca, Francesco; Fazio, Enza; D'Andrea, Cristiano; Matteini, Paolo; Marago, Onofrio Maria; Gucciardi, Pietro Giuseppe SUBJECT amyloid SUBJECT enhanced spectroscopy SUBJECT gold tips SUBJECT plasmonics SUBJECT TERS

Beilstein journal of nanotechnology 9 (2018): 2718–2729.

<https://dx.doi.org/10.3762/bjnano.9.254>

34)-Interaction between the photosynthetic anoxygenic microorganism *Rhodobacter sphaeroides* and soluble gold compounds. From toxicity to gold nanoparticle synthesis

Italiano F.; Agostiano A.; Belviso B.D.; Caliandro R.; Carrozzini B.; Comparelli R.; Melillo M.T.; Mesto E.; Tempesta G.; Trotta M. SUBJECT Gold nanoparticles SUBJECT Extracellular biosynthesis SUBJECT Green synthesis SUBJECT *Rhodobacter sphaeroides* SUBJECT Nitrophenol degradation

Colloids and surfaces. B, Biointerfaces (Print) 172 (2018): 362–371.

<https://dx.doi.org/10.1016/j.colsurfb.2018.06.010>

35)-Optical force decoration of 3D microstructures with plasmonic particles

Donato, M. G.; Rajamanickam, V. P.; Foti, A.; Gucciardi, P. G.; Liberale, C.; Marago, O. M. SUBJECT Optical forces SUBJECT plasmonics SUBJECT SERSS SUBJECT Optical tweezers

Optics letters 43 (2018): 5170–5173.

<https://dx.doi.org/10.1364/OL.43.005170>

36)-Photo-Induced Heating in Plasmonic Nanoparticles Trapped in Thermo-Sensitive Liquid Crystals

Pezzi, Luigia; De Sio, Luciano; Placido, Tiziana; Comparelli, Roberto; Umeton, Cesare SUBJECT Plasmonic Nanoparticles SUBJECT Gold Nanorods SUBJECT Liquid Crystals

Journal of nanoscience and nanotechnology (Print) 18 (2018): 6708–6718.

<https://dx.doi.org/10.1166/jnn.2018.15749>

37)-A designed UV-vis light curable coating nanocomposite based on colloidal TiO₂ NRs in a hybrid resin for stone protection

Corcione, Carola Esposito; Ingrosso, Chiara; Petronella, Francesca; Comparelli, Roberto; Striccoli, Marinella; Agostiano, Angela; Frigione, Mariaenrica; Curri, M. Lucia
SUBJECT Hybrid methacrylic-siloxane resin
SUBJECT Colloidal TiO₂ nanorods
SUBJECT Nanocomposite
SUBJECT Stone protection
SUBJECT Self-cleaning
SUBJECT UV-vis light polymerization

Progress in organic coatings (Print) 122 (2018): 290–301.

<https://dx.doi.org/10.1016/j.porgcoat.2018.05.020>

38)-Preparation of drug-loaded small unilamellar liposomes and evaluation of their potential for the treatment of chronic respiratory diseases

De Leo, Vincenzo; Ruscigno, Silvia; Trapani, Adriana; Di Gioia, Sante; Milano, Francesco; Mandracchia, Delia; Comparelli, Roberto; Castellani, Stefano; Agostiano, Angela; Trapani, Giuseppe; Catucci, Lucia; Conese, Massimo
SUBJECT Drug-loaded liposomes
SUBJECT Micelle-to-vesicle transition method
SUBJECT Bechlometasone dipropionate
SUBJECT Pulmonary delivery
SUBJECT Cytotoxicity
SUBJECT COPD patient mucus-penetration

International journal of pharmaceutics (Print) 545 (2018): 378–388.

<https://dx.doi.org/10.1016/j.ijpharm.2018.04.030>

39)-One pot environmental friendly synthesis of gold nanoparticles using Punica Granatum Juice: A novel antioxidant agent for future dermatological and cosmetic applications

Gubitosa, Jennifer; Rizzi, Vito; Lopodota, Angela; Fini, Paola; Laurenzana, Anna; Fibbi, Gabriella; Fanelli, Fiorenza; Petrella, Andrea; Laquintana, Valentino; Denora, Nunzio; Comparelli, Roberto; Cosma, Pinalysa
SUBJECT Gold nanoparticles
SUBJECT Sunscreens
SUBJECT Antioxidants
SUBJECT Punica Granatum Juice
SUBJECT Green synthesis
SUBJECT Nanomaterials

Journal of colloid and interface science (Print) 521 (2018): 50–61.

<https://dx.doi.org/10.1016/j.jcis.2018.02.069>

40)-Surface Engineering of Gold Nanorods for Cytochrome c Bioconjugation: An Effective Strategy To Preserve the Protein Structure

Placido, Tiziana; Tognaccini, Lorenzo; Howes, Barry D.; Montrone, Alessandro; Laquintana, Valentino; Comparelli, Roberto; Curri, M. Lucia; Smulevich, Giulietta; Agostiano, Angela
SUBJECT Nanorods

ACS omega 3 (2018): 4959–4967.

<https://dx.doi.org/10.1021/acsomega.8b00719>

41)-Ascorbic acid-sensitized Au nanorods-functionalized nanostructured TiO₂ transparent electrodes for photoelectrochemical genosensing

Bettazzi, Francesca; Laschi, Serena; Voccia, Diego; Gellini, Cristina; Pietraperzia, Giangaetano; Falciola, Luigi; Pifferi, Valentina; Testolin, Anna; Ingrosso, Chiara; Placido, Tiziana; Comparelli, Roberto; Curri, M. Lucia; Palchetti, Ilaria

SUBJECTPhotoelectrochemicalSUBJECTNanostructured TiO₂SUBJECTAu nanorodsSUBJECTNucleic acidSUBJECTAscorbic acidSUBJECTSmall RNAs

Electrochimica acta 276 (2018): 389–398.

<https://dx.doi.org/10.1016/j.electacta.2018.04.146>

42)-Photoelectrochemical and spectrophotometric studies on dye-sensitized solar cells (DSCs) and stable modules (DSCMs) based on natural apocarotenoids pigments

Calogero, Giuseppe; Barichello, Jessica; Citro, Ilaria; Mariani, Paolo; Vesce, Luigi; Bartolotta, Antonino; Di Carlo, Aldo; Di Marco, Gaetano

SUBJECTDye-sensitized solar cellsSUBJECTPhotoelectrochemical modulesSUBJECTSolar energySUBJECTNatural dyesSUBJECTAchioteSUBJECTBixin

Dyes and pigments 155 (2018): 75–83.

<https://dx.doi.org/10.1016/j.dyepig.2018.03.021>

43)-Laser-generated bismuth nanoparticles for applications in imaging and radiotherapy

Torrise, L.; Silipigni, L.; Restuccia, N.; Cuzzocrea, S.; Cutroneo, M.; Barreca, F.; Fazio, B.; Di Marco, G.; Guglielmino, S.

SUBJECTBismuthSUBJECTNanoparticlesSUBJECTContrast mediumSUBJECTRadiotherapySUBJECTX-ray images

Journal of physics and chemistry of solids 119 (2018): 62–70.

<https://dx.doi.org/10.1016/j.jpics.2018.03.034>

44)-Phosphate Modified Screen Printed Electrodes by LIFT Treatment for Glucose Detection

Francesco Milano; Livia Giotta; Daniela Chirizzi; Simos Papazoglou; Christina Kryou; Annarita De Bartolomeo; Vincenzo De Leo; Maria Guascito; Ioanna Zergioti

SUBJECTscreen printed electrodes;SUBJECTlaser printing;SUBJECTLIFTSUBJECTglucoseSUBJECTbiosensor

Biosensors (Basel) 8 (2018).

<http://www.cnr.it/prodotto/i/397463>

info:cnr-pdr/source/autori:Francesco Milano, Livia Giotta, Daniela Chirizzi, Simos Papazoglou, Christina Kryou, Annarita De Bartolomeo, Vincenzo De Leo, Maria Guascito, Ioanna Zergioti/titolo:Phosphate Modified Screen Printed Electrodes by LIFT Treatment for Glucose Detection/

45)-Multi-analytical study of Roman frescoes from Villa dei Quintili (Rome, Italy)

Crupi, Vincenza; Fazio, Barbara; Fiocco, Giacomo; Galli, Giuliana; La Russa, Mauro Francesco; Licchelli, Maurizio; Majolino, Domenico; Malagodi, Marco; Ricca, Michela; Ruffolo, Silvestro Antonio; Venuti, Valentina

SUBJECTMicro-Raman

spectroscopySUBJECTFT-IR spectroscopySUBJECTSEM-
EDXSUBJECTPOMSUBJECTRoman decorated plastersSUBJECTPigments
Journal of Archaeological Science: Reports 21 (2018): 422–432.
<https://dx.doi.org/10.1016/j.jasrep.2018.08.028>

46)-Ultrasensitive Label- and PCR-Free Genome Detection Based on Cooperative Hybridization of Silicon Nanowires Optical Biosensors

Leonardi, Antonio Alessio; Lo Faro, Maria Jose; Petralia, Salvatore; Fazio, Barbara; Musumeci, Paolo; Conoci, Sabrina; Irrera, Alessia; Priolo, FrancescoSUBJECTbiosensorSUBJECTnanowiresSUBJECTPCR-freeSUBJECTDNA cooperative hybridizationSUBJECTsiliconSUBJECTphotoluminescenceSUBJECTHepatitis B virus
ACS sensors Online 3 (2018): 1690–1697.
<https://dx.doi.org/10.1021/acssensors.8b00422>

47)-Low Cost Fabrication of Si NWs/CuI Heterostructures

Lo Faro, Maria Jose; Leonardi, Antonio Alessio; Morganti, Dario; Fazio, Barbara; Vasi, Ciro; Musumeci, Paolo; Priolo, Francesco; Irrera, AlessiaSUBJECTsilicon nanowiresSUBJECTheterostructuresSUBJECTCuISUBJECTsilicon
Nanomaterials (Basel) 8 (2018).
<https://dx.doi.org/10.3390/nano8080569>

48)-TiO₂-SiO₂-PDMS nanocomposite coating with self-cleaning effect for stone material: Finding the optimal amount of TiO₂

Crupi, Vincenza; Fazio, Barbara; Gessini, Alessandro; Kis, Zoltan; La Russa, Mauro F.; Majolino, Domenico; Masciovecchio, Claudio; Ricca, Michela; Rossi, Barbara; Ruffolo, Silvestro A.; Venuti, ValentinaSUBJECTTitanium dioxideSUBJECTNanostructured coatingsSUBJECTPhotocatalyticsSUBJECTNeutron radiographySUBJECTSR-RamanSUBJECTCultural heritage
Construction & building materials 166 (2018): 464–471.
<https://dx.doi.org/10.1016/j.conbuildmat.2018.01.172>

49)-Tailoring the oxygen content of graphene oxide by IR laser irradiation

Silipigni, L.; Fazio, M.; Fazio, B.; Cutroneo, M.; Torrisi, L.SUBJECTGRAPHITE OXIDE; REDUCTION
Applied physics. A, Materials science & processing (Print) 124 (2018).
<https://dx.doi.org/10.1007/s00339-018-1956-z>

50)-Gold nanoparticles produced by laser ablation in water and in graphene oxide suspension

Torrisi, L.; Cutroneo, M.; Silipigni, L.; Barreca, F.; Fazio, B.; Restuccia, N.; Kovacik, L.SUBJECTLaser ablation in waterSUBJECTgrapheneSUBJECTgraphene oxideSUBJECTgold nanoparticles
Philosophical magazine (2003, Print) 98 (2018): 2205–2220.

<https://dx.doi.org/10.1080/14786435.2018.1478147>

51)-Draft Genome Sequences of Three Novel Staphylococcus arlettae Strains Isolated from a Disused Biological Safety Cabinet

Lavecchia, Anna; Chiara, Matteo; Manzari, Caterina; Trotta, Massimo; Marzano, Marinella; Horner, David; Pesole, Graziano; Placido, AntonioSUBJECTStaphylococcus arlettae
Microbiology resource announcements Online 7 (2018).

<https://dx.doi.org/10.1128/MRA.01012-18>

52)-Production and biotechnological potentialities of extracellular polymeric substances from sponge-associated Antarctic bacteria

Caruso C.; Rizzo C.; Mangano S.; Poli A.; Di Donato P.; Finore I.; Nicolaus B.; Di Marco G.; Michaud L.; Lo Giudicea A.SUBJECTextracellular polymeric substancesSUBJECTbiofilmSUBJECTbiotechnological potentialSUBJECTWinogradskyella
Applied and environmental microbiology (Online) (2018).

<https://dx.doi.org/10.1128/AEM.01624-17>

53)-Crystallization-induced formation of rigid amorphous fraction

Maria Laura Di Lorenzo; Maria Cristina RighettiSUBJECTcalorimetrySUBJECTpolymer crystallizationSUBJECTrigid amorphous fraction
Polymer crystallization Online 1 (2018).

<https://dx.doi.org/10.1002/pcr2.10023>

54)-Au²⁷⁹(SR)⁸⁴: The Smallest Gold Thiolate Nanocrystal That Is Metallic and the Birth of Plasmon

Sakthivel, Naga Arjun; Stener, Mauro; Sementa, Luca; Fortunelli Alessandro; Ramakrishna, Guda; Dass, AmalaSUBJECTOPTICAL PROPERTIESUBJECTCRYSTAL STRUCTURESUBJECTQUANTUM CONFINEMENTSUBJECTGOLD NANOPARTICLESUBJECTNANOCLUSTERSUBJECTNANOMOLECULESUBJECTELECTRON DYNAMICS

The journal of physical chemistry letters 9 (2018): 1295–1300.

<https://dx.doi.org/10.1021/acs.jpcllett.8b00308>

55)-Bimetallic Ag-Pt sub-nanometer supported clusters as highly efficient and robust oxidation catalysts

Negreiros, Fabio R.; Halder, Avik; Yin, Chunrong; Singh, Akansha; Barcaro, Giovanni; Sementa, Luca; Tyo, Eric C.; Pellin, Michael J.; Bartling, Stephan; Meiwes-Broer, Karl-Heinz; Seifert, Sönke; Sen, Prasenjit; Nigam, Sandeep; Majumder, Chiranjib; Fukui, Nobuyuki; Yasumatsu, Hisato; Vajda, Stefan; Fortunelli AlessandroSUBJECTsubnanometer catalystsSUBJECToxidation catalysisSUBJECTreactive global optimization
Angewandte Chemie (Int. ed., Print) 57 (2018): 1209–1213.

<https://dx.doi.org/10.1002/anie.201709784>

56)-Bimetallic Ag-Pt sub-nanometer supported clusters as highly efficient and robust oxidation catalysts

Negreiros, Fabio R.; Halder, Avik; Yin, Chunrong; Singh, Akansha; Barcaro, Giovanni; Sementa, Luca; Tyo, Eric C.; Pellin, Michael J.; Bartling, Stephan; Meiwes-Broer, Karl-Heinz; Seifert, Sönke; Sen, Prasenjit; Nigam, Sandeep; Majumder, Chiranjib; Fukui, Nobuyuki; Yasumatsu, Hisato; Vajda, Stefan; Fortunelli Alessandro
SUBJECTultrananocatalystsSUBJECTreactive global optimization

Angewandte Chemie (Print) 130 (2018): 1223–1227.

<https://dx.doi.org/10.1002/ange.201709784>

57)-Hydrogen evolution reaction (HER) on Au@Ag ultrananoclusters as electro-catalysts

Chang L.; Cheng D.; Sementa L.; Fortunelli Alessandro
SUBJECTHER reaction; calculations; Ag-Au subnanometer clusters

Nanoscale (Print) 10 (2018): 17730–17737.

<https://dx.doi.org/10.1039/c8nr06105j>

58)-SERS amplification by ultra-dense plasmonic arrays on self-organized PDMS templates

Repetto, Diego; Giordano, Maria Caterina; Foti, Antonino; Gucciardi, Pietro Giuseppe; Mennucci, Carlo; de Mongeot, Francesco Buatier
SUBJECTPolydimethylsiloxane (PDMS)
SUBJECTSoft lithography
SUBJECTPlasmonic nanostructure
SUBJECTSurface-enhanced Raman spectroscopy (SERS)
SUBJECTOptical dichroism

Applied surface science 446 (2018): 83–91.

<https://dx.doi.org/10.1016/j.apsusc.2018.02.163>

59)-Biomaterial Amorphous Laser through Light-Scattering Surfaces Assembled by Electrospun Fiber Templates

Maria Moffa; Andrea Camposeo; Vito Fasano; Barbara Fazio; Maria Antonia Iatì; Onofrio M Maragò; Rosalba Saija; Heinz-Christoph Schröder; Werner EG Müller; Dario Pisignano
SUBJECTOptical materials
SUBJECTLight scattering
SUBJECTnanofabrication

Laser & photonics reviews (Internet) 12 (2018): 1700224-1–1700224-9.

<https://dx.doi.org/10.1002/lpor.201700224>

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

1)-Contrasting microscopic interactions determine the properties of water/methanol solutions

Carmelo Corsaro; Francesco Mallamace; Sebastiano Vasi; Sow-Hsin Chen; H. Eugene Stanley; Domenico Mallamace
SUBJECTaqueous solutions
SUBJECTHydrophobicity
SUBJECTNMR
SUBJECTHydrophilicity
Water and Water Systems, Erice (TP), 22/07/2016, 31/07/2016
<http://www.cnr.it/prodotto/i/377866>

info:cnr-pdr/source/autori:Carmelo Corsaro, Francesco Mallamace, Sebastiano Vasi, Sow-Hsin Chen, H. Eugene Stanley, Domenico Mallamace/congresso_nome:Water and Water Systems/congresso_luogo:Erice (TP)/congresso_data:22/07/2016, 31/07/2016/anno:2018/pagina_da:/pagina_a:/intervallo_pagine:

2)-NMR investigation of degradation processes of ancient and modern paper at different hydration levels

Domenico Mallamace; Sebastiano Vasi; Mauro Missori; Francesco Mallamace; Carmelo Corsaro
SUBJECTancient paper
SUBJECTdegradation
SUBJECTNMR
SUBJECTHydration
SUBJECTsolvent dynamics
Water and Water Systems, Erice (TP), 22/07/2016, 31/07/2016
<http://www.cnr.it/prodotto/i/377867>

info:cnr-pdr/source/autori:Domenico Mallamace, Sebastiano Vasi, Mauro Missori, Francesco Mallamace, Carmelo Corsaro/congresso_nome:Water and Water Systems/congresso_luogo:Erice (TP)/congresso_data:22/07/2016, 31/07/2016/anno:2018/pagina_da:/pagina_a:/intervallo_pagine:

3)-Electrostatic Force Microscopy Techniques for Interphase Characterization

Massimiliano Labardi; Daniele Prevosto; Simone Capaccioli
SUBJECTelectrostatic force microscopy; atomic force microscopy; interfaces; nanocomposites; hybrid materials
Hybrid Organic-Inorganic Interfaces: Towards Advanced Functional Materials, edited by Delville Marie Helene, Taubert Andreas, pp. 867. New York: J. Wiley & sons, 2018
<urn:isbn:978-3-527-34255-6>

info:cnr-pdr/source/autori:Massimiliano Labardi, Daniele Prevosto, and Simone Capaccioli/titolo:Electrostatic Force Microscopy Techniques for Interphase Characterization/titolo_volume:Hybrid Organic-Inorganic Interfaces: Towards Advanced Functional Materials/curatori_volume:Delville Marie Helene, Taubert Andreas/editore:

4)-Amorphous fractions of poly(lactic acid)

Righetti M.C. SUBJECT Crystallinity SUBJECT Interphase SUBJECT Mobile amorphous fraction SUBJECT Rigid amorphous fraction

Synthesis, Structure and Properties of Poly(lactic acid), edited by Maria Laura Di Lorenzo, René Androsch, pp. 195–234. Berlin: Springer International Publishing AG, 2018

https://dx.doi.org/10.1007/12_2016_14

info:cnr-pdr/source/autori:Righetti M.C./titolo:Amorphous fractions of poly(lactic acid)/titolo_volume:Synthesis, Structure and Properties of Poly(lactic acid)/curatori_volume:Maria Laura Di Lorenzo, René Androsch/editore:

/anno:2018

5)-Analysis of polymer crystallization by calorimetry

M. L. Di Lorenzo; R. Androsch; A. M. Rhoades; M. C. Righetti SUBJECT Polymer crystallization SUBJECT calorimetry

Handbook of Thermal Analysis and Calorimetry: Recent Advances, Techniques and Applications, Volume 6, 2nd Edition, edited by S. Vyazovkin, N. Koga, C. Schick, pp. 253–299. Amsterdam: Elsevier BV, 2018

<https://www.sciencedirect.com/science/article/pii/B9780444640628000073?via%3Dihub>

info:cnr-pdr/source/autori:M. L. Di Lorenzo, R. Androsch, A. M. Rhoades, M. C. Righetti/titolo:Analysis of polymer crystallization by calorimetry/titolo_volume:Handbook of Thermal Analysis and Calorimetry: Recent Advances, Techniques and Applications, Volume 6, 2nd Edition/curatori_volume:S. Vyazovkin, N. Koga, C. Schick/editore:

/anno:2018

6)-Plasmonic Cu₂-xS nanocrystals based nanovectors: characterization and determination of concentration

Vischio Fabio(a); De Bellis Vito(b); Fanizza Elisabetta(a; b); Laquintana Valentino(d); Striccoli Marinella(a); Sibillano Teresa(c); Giannini Cinzia(c); Denora Nunzio(d); Curri Lucia(a); Depalo Nicoletta(a) SUBJECT Nanoparticles SUBJECT Concentration SUBJECT Nanovectors SUBJECT Plasmons SUBJECT Solid Lipid Nanoparticles

XLVI Congresso Nazionale della Divisione di Chimica Fisica, Bologna, 25-28/06/2018

<http://www.cnr.it/prodotto/i/389011>

info:cnr-pdr/source/autori:Vischio Fabio(a), De Bellis Vito(b), Fanizza Elisabetta(a,b), Laquintana Valentino(d), Striccoli Marinella(a), Sibillano Teresa(c), Giannini Cinzia(c), Denora Nunzio(d), Curri Lucia(a), Depalo Nicoletta(a)/congresso_nome:XLVI Congresso Nazionale della Divisione di Chimica Fisica/congresso_luogo:Bologna/congresso_data:25-28/06/2018/anno:2018/pagina_da:/pagina_a:/intervallo_pagine:

7)-Modelling Giant Lipid Vesicles Designed for Light Energy Transduction

Altamura, Emiliano; Milano, Francesco; Trotta, Massimo; Stano, Pasquale; Mavelli, FabioSUBJECTReaction centerSUBJECTGiant vesiclesSUBJECTLight transductionSUBJECTKinetic modelSUBJECTpH gradient

Advances in Bionanomaterials, edited by Stefano PiottoFederico RossiSimona ConcilioErnesto ReverchonGiuseppe Cattaneo, pp. 97–109. Berlin: SPRINGER-VERLAG BERLIN, HEIDELBERGER PLATZ 3, W-1000 BERLIN 33, GERMANY, 2018

https://dx.doi.org/10.1007/978-3-319-62027-5_9

info:cnr-pdr/source/autori:Altamura, Emiliano; Milano, Francesco; Trotta, Massimo; Stano, Pasquale; Mavelli, Fabio/titolo:Modelling Giant Lipid Vesicles Designed for Light Energy Transduction/titolo_volume:Advances in Bionanomaterials/curatori_volume:Stefano PiottoFederico RossiSimona ConcilioErnesto ReverchonGiuseppe Cattaneo/editore:

/anno:2018

8)-Photosynthesis Without the Organisms: The Bacterial Chromatophores

Altamura, Emiliano; Mavelli, Fabio; Milano, Francesco; Trotta, MassimoSUBJECTPhotosynthetic bacteria

Advances in Bionanomaterials, edited by Stefano Piotto, Federico Rossi, Simona Concilio, Ernesto Reverchon, Giuseppe Cattaneo, pp. 165–175. Berlin: Springer-Verlag, 2018

https://dx.doi.org/10.1007/978-3-319-62027-5_15

info:cnr-pdr/source/autori:Altamura, Emiliano; Mavelli, Fabio; Milano, Francesco; Trotta, Massimo/titolo:Photosynthesis Without the Organisms: The Bacterial Chromatophores/titolo_volume:Advances in Bionanomaterials/curatori_volume:Stefano Piotto, Federico Rossi, Simona Concilio, Ernesto Reverchon, Giuseppe Cattaneo/editore:

/anno:2018

9)-Sorafenib loaded SLN magnetically targeting hepatoma

Nicoletta Depalo (a); Fabio Vischio(a); Rosa Maria Iacobazzi(e); Silvia Villa(c); Fabio Canepa(c); Elisabetta Fanizza(a,d); Valentino Laquintana(b); Maria Principia Scavo(e); Angela Lopodota(b); Annalisa Cutrignelli(b); Marinella Striccoli(a); Angela Agostiano(a,d); Massimo Franco(b); Maria Lucia Curri(a); Nunzio Denora(b)SUBJECThepatomaSUBJECTdrug deliverySUBJECTnanoparticlesSUBJECTsorafenib

Proceeding 11th World Meeting on Pharmaceutics, Biopharmaceutics and Phamaceutical Technology, Granada - Spagna, 19-21/03/2018

<http://www.cnr.it/prodotto/i/393058>

info:cnr-pdr/source/autori:Nicoletta Depalo (a); Fabio Vischio(a) ; Rosa Maria Iacobazzi(e); Silvia Villa(c); Fabio Canepa(c); Elisabetta Fanizza(a,d); Valentino Laquintana(b); Maria Principia Scavo(e); Angela Lopodota(b); Annalisa Cutrignelli(b); Marinella Striccoli(a); Angela Agostiano(a,d); Massimo Franco(b); Maria Lucia Curri(a); Nunzio Denora(b)/congresso_nome:Proceeding 11th World Meeting on Pharmaceutics, Biopharmaceutics and Phamaceutical Technology/congresso_luogo:Granada - Spagna/congresso_data:19-21/03/2018/anno:2018/pagina_da:/pagina_a:/intervallo_pagine:

10)-Innovative Silicon Nanowires based Platforms for Bio-sensing

C. D'Andrea¹; JM. Lo Faro²; AA. Leonardi^{2, 3, 4}; S. Trusso²; M. De Angelis¹; M. Banchelli¹; L. Torsi⁵; F. Priolo^{3, 4, 6}; R. Pini¹; A. Irrera²; P. Matteini¹SUBJECTsilicon nanowiresSUBJECTBiosensingSUBJECTSERSSUBJECTc-reactive proteinSUBJECTAmyloid oligomers

Europt(r)ode XIV conference on optical chemical sensors and biosensors, Napoli, 25-28/03/2018

<http://www.cnr.it/prodotto/i/396053>

info:cnr-pdr/source/autori:C. D'Andrea¹, JM. Lo Faro², AA. Leonardi^{2,3,4}, S. Trusso², M. De Angelis¹, M. Banchelli¹, L. Torsi⁵, F. Priolo^{3,4,6}, R. Pini¹, A. Irrera² and P. Matteini¹/congresso_nome:Europt(r)ode XIV conference on optical chemical sensors and biosensors/congresso_luogo:Napoli/congresso_data:25-28/03/2018/anno:2018/pagina_da:/pagina_a:/intervallo_pagine:

11)-Tip-Enhanced Raman Spectroscopy Analysis of Amyloid Oligomers

Cristiano D'Andrea¹; Antonino Foti²; Maximilien Cottat¹; Martina Banchelli¹; Claudia Capitini³; Francesco Barreca⁴; Claudio Canale⁵; Marella De Angelis¹; Annalisa Relini⁶; Onofrio. M. Maragò²; Roberto Pini¹; Fabrizio Chiti³; Pietro G. Gucciardi²; Paolo Matteini¹SUBJECTTip enhanced raman spectroscopySUBJECTTERSSTYPESUBJECTamyloid oligomersSUBJECTneurodegenerative disease

Plasmonica 2018 - International workshop on plasmonics, Firenze, 04-06/07/2018

<http://www.cnr.it/prodotto/i/396068>

info:cnr-pdr/source/autori:Cristiano D'Andrea1, Antonino Foti2, Maximilien Cottat1, Martina Banchelli1, Claudia Capitini3, Francesco Barreca4, Claudio Canale5, Marella De Angelis1, Annalisa Relini6, Onofrio. M. Maragò2, Roberto Pini1, Fabrizio Chiti3, Pietro G. Gucciardi2, and Paolo Matteini1/congresso_nome:Plasmonica 2018 - International workshop on plasmonics/congresso_luogo:Firenze/congresso_data:04-06/07/2018/anno:2018/pagina_da:/pagina_a:/intervallo_pagine:

12)-Comparison among nanostructured biomaterials with different mechanisms and kinetics of bioactivity and antibacterial action

Silvia Spriano; Seiji Yamaguchi; Sara Ferraris; Martina Cazzola; Marta Miola; Enrica Vernè; Andrea Cochis; Caterina Cristallini; Nicoletta Barbani; Inger Odnevall Wallinder; Yolanda Hedberg
SUBJECTbioactive materialsSUBJECTsurface functionalizationSUBJECTtitanium
TERMIS Conference, Kyoto (Japan), 4/7 September 2018
<http://www.cnr.it/prodotto/i/397135>

info:cnr-pdr/source/autori:Silvia Spriano,Seiji Yamaguchi,Sara Ferraris,Martina Cazzola,Marta Miola,Enrica Vernè,Andrea Cochis,Caterina Cristallini,Nicoletta Barbani,Inger Odnevall Wallinder,Yolanda Hedberg/congresso_nome:TERMIS Conference/congresso_luogo:Kyoto (Japan)/congresso_data:4/7 September 2018/anno:2018/pagina_da:/pagina_a:/intervallo_pagine:

13)-Thermo-mechanical and physical characterization of polyolefin based films for photovoltaic cells

A. Visco; G. Di Marco; C. Scolaro; D. Iannazzo; L. Torrisi
SUBJECTadhesivesSUBJECTpolyolefinsSUBJECTsolar cellsSUBJECTlap shear testsSUBJECTthermal characterization
9th International Conference on "Times of Polymers and Composites"; : From Aerospace to Nanotechnology, pp. 20145-1–20145-4, Ischia, 17-21/7/ 2018
<https://dx.doi.org/10.1063/1.5046007>

info:cnr-pdr/source/autori:A. Visco, G. Di Marco, C. Scolaro, D. Iannazzo and L. Torrisi/congresso_nome:9th International Conference on "Times of Polymers and Composites"; : From Aerospace to Nanotechnology/congresso_luogo:Ischia/congresso_data:17-21/7/ 2018/anno:2018/pagina_da:20145-1/pagina_a:20145-4/intervallo_pagine:20145-1–20145-4

14)-Physical ageing of semi-crystalline PLLA: Role of the differently constrained amorphous fractions

M.C. Righetti; N. Delpouve; A. Saiter
SUBJECTPoly(L-lactic acid); Physical ageingSUBJECTStructural relaxationSUBJECTConstrained amorphous fraction
TOP Conference 2018, Ischia, 17-21 June 2018
<http://www.cnr.it/prodotto/i/397926>

info:cnr-pdr/source/autori:M.C. Righetti, N. Delpouve, A. Saiter/congresso_nome:TOP
Conference 2018/congresso_luogo:Ischia/congresso_data:17-21 June
2018/anno:2018/pagina_da:/pagina_a:/intervallo_pagine:

15)-Effect of different nucleating agent on crystallinity and properties of polylactic acid

L. Aliotta; P. Cinelli; M.C. Righetti; M.B. Coltelli; A. LazzeriSUBJECTNucleating
agentsSUBJECTCrystallinitySUBJECTMechanical propertiesSUBJECTPoly(lactic acid).

TOP Conference 2018, Ischia, 17-21 June 2018

<http://www.cnr.it/prodotto/i/397927>

info:cnr-pdr/source/autori:L. Aliotta, P. Cinelli, M.C. Righetti, M.B. Coltelli, A.
Lazzeri/congresso_nome:TOP Conference 2018/congresso_luogo:Ischia/congresso_data:17-21
June 2018/anno:2018/pagina_da:/pagina_a:/intervallo_pagine:

16)-Rapporto Tecnico: Studio di fattibilità impianto geotermico per Acquapark di Tramutola (PT)

G. DI BELLA; A. SAPIENZA; S. VASTA; G. LUPÒ; R. CARUSO; G.
LOMBARDOSUBJECTgeotermiaSUBJECTpompa di
caloreSUBJECTpiscinaSUBJECTacquapark

2018

<http://www.cnr.it/prodotto/i/398050>