

Peer-reviewed journal articles

1)-Two-dimensional iron oxide bi-and trilayer structures on Pd(100)

Kuhness, D.; Pomp, S.; Mankad, V.; Barcaro, G.; Sementa, L.; Fortunelli, A.; Netzer, F. P.; Surnev, S.subjectDFTsubjectIron oxide filmssubjectLEEDsubjectSTMsubjectXASsubjectXPS
Surface science 645 (2016): 13–22.

<https://dx.doi.org/10.1016/j.susc.2015.10.032>

2)-Shine on you crazy books: the Comprehensive Series in Photochemical & Photobiological Sciences

Trotta, Massimo;

Photochemical & photobiological sciences (Print) 15 (2016): 8–9.

<https://dx.doi.org/10.1039/c5pp90043c>

3)-Ab initio study of the enantio-selective magnetic-field-induced second harmonic generation in chiral molecules

A. Rizzo; G. L. D. J. Rikken; R. MathevetsubjectNonlinear optical properties; Magnetic Field; SHG

Physical Chemistry Chemical Physics 18 (2016): 1846–1858.

<https://dx.doi.org/10.1039/c5cp07127e>

4)-A far-red emitting arylenethynylene fluorophore used as light harvesting antenna in hybrid assembly with the photosynthetic reaction center

Simona la Gatta; Omar Hassan Omar; Angela Agostiano; Francesco Milano; Rocco Roberto Tangorra; Alessandra Operamolla; Claudio Chiorboli; Roberto Argazzi; Mirco Natali; Massimo Trotta; Gianluca Maria Farinola; Roberta Ragnisubjectbiological synthesis (assembly); biomimetic (chemical reaction); biomimetic (assembly)

MRS Advances 1 (2016): 495–500.

<https://dx.doi.org/10.1557/adv.2015.33>

5)-Compositional and microstructural characterization of Celtic silver coins from northern Italy using neutron diffraction analysis

J. Corsi (a); F. Grazzi (b); A. Lo Giudice (a); A. Re (a); A. Scherillo (c,d); D. Angelici (a); S. Allegretti (a); F. Barello (e)subjectArchaeometrysubjectCeltic coinsubjectCompositional analysissubjectNeutron diffractionssubjectNumismaticssubjectSilver

Microchemical journal (Print) 126 (2016): 501–508.

<https://dx.doi.org/10.1016/j.microc.2016.01.006>

6)-Functional nano-textured titania-coatings with self-cleaning and antireflective properties for photovoltaic surfaces

Salvaggio, Maria Grazia; Passalacqua, Rosalba; Abate, Salvatore; Perathoner, Siglinda; Centi, Gabriele; Lanza, Maurizio; Stassi, AlessandrosubjectAntireflection coatingssubjectSelf-cleaningsubjectThin filmssubjectTitanium dioxide
Solar energy (Print) 125 (2016): 227–242.
<https://dx.doi.org/10.1016/j.solener.2015.12.012>

7)-Density and structural anomalies in soft-repulsive dimeric fluids

Munaò, G; Saija, Fsubjectsoft condensed matter; Monte Carlo simulation; water-like anomalies
PCCP. Physical chemistry chemical physics (Print) 18 (2016): 9484–9489.
<https://dx.doi.org/10.1039/C6CP00191B>

8)-Prebiotic synthesis of nucleic acids and their building blocks at the atomic level - merging models and mechanisms from advanced computations and experiments

Sponer JE; Szabla R; Gora RW; Saitta AM; Pietrucci F; Saija F; Di Mauro E; Saladino R; Ferus M; Civis S; Sponer Jsubjectprebiotic chemistry; origin of life; ab-initio numerical simulation
Physical Chemistry Chemical Physics 18 (2016): 20047–20066.
<https://dx.doi.org/10.1039/C6CP00670A>

9)-Theoretical Investigation of Adsorption, Dynamics, Self-Aggregation, and Spectroscopic Properties of the D102 Indoline Dye on an Anatase (101) Substrate

Monti, Susanna; Pastore, Mariachiara; Li, Cui; De Angelis, De Angelis, Filippo; Carravetta, VincenzosubjectD102 Indoline Dye on an Anatase
Journal of physical chemistry. C 120 (2016): 2787–2796.
<https://dx.doi.org/10.1021/acs.jpcc.5b11332>

10)-Origin-independent two-photon circular dichroism calculations in coupled cluster theory.

D. H. Friese; C. Hattig; A. RizzosubjectTwo-photon SpectroscopysubjectCircular DichroismsubjectComputational ModelsubjectCoupled Cluster TheorysubjectNonlinear Spectroscopy
Physical chemistry chemical physics (Online) 18 (2016): 13689–13692.
<https://dx.doi.org/10.1039/c6cp01653g>

11)-A complex-polarization-propagator magneto-chiral axial dichroism and dispersion

J. Cukras; J. Kauczor; P. Norman; A. Rizzo; G. L. J. A. Rikken; S. CorianisubjectMagnetochiralitysubjectAxial DichroismsubjectAxial BirefringencesubjectComputational ProtocolsubjectComplex Polarization Propagator
Physical chemistry chemical physics (Online) 18 (2016): 13267–13279.
<https://dx.doi.org/10.1039/C6CP01465H>

12)-Experimental and theoretical XPS and NEXAFS studies of N-methylacetamide and N-methyltrifluoroacetamide

Li, Cui; Salen, Peter; Yatsyna, Vasyli; Schio, Luca; Feifel, Raimund; Squibb, Richard; Kaminska, Magdalena; Larsson, Mats; Richter, Robert; Alagia, Michele; Stranges, Stefano; Monti, Susanna; Carravetta, Vincenzo; Zhaunerchyk, Vitali
subjectexperiments
subjecttheory
subjectXPS
subjectNEXAFS
subjectN-methylacetamide
subjectN-methyltrifluoroacetamide
PCCP. Physical chemistry chemical physics (Print) 18 (2016): 2210–2218.
<https://dx.doi.org/10.1039/c5cp06441d>

13)-Simulation of Gold Functionalization with Cysteine by Reactive Molecular Dynamics

Monti, Susanna; Carravetta, Vincenzo; Agren, Hans
subjecttheory
subjectquantum molecular dynamics
subjectgold surfaces
subjectcysteine
The journal of physical chemistry letters 7 (2016): 272–276.
<https://dx.doi.org/10.1021/acs.jpcllett.5b02769>

14)-Theoretical study of para-nitro-aniline adsorption on the Au(111) surface

Li, Cui; Monti, Susanna; Li, Xin; Rinkevicius, Zilvinas; Ågren, Hans; Carravetta, Vincenzo
subjectAu(111)
subjectPara-nitro-anilines
subjectPNA
subjectQuantum molecular dynamics
subjectSurface adsorptions
subjectX-ray computational spectroscopy
Surface science 649 (2016): 124–132.
<https://dx.doi.org/10.1016/j.susc.2016.01.008>

15)-Soft confinement of water in graphene-oxide membranes

Romanelli, Giovanni; Liscio, Andrea; Senesi, Roberto; Zamboni, Roberto; Treossi, Emanuele; Liscio, Fabiola; Giambastiani, Giuliano; Palermo, Vincenzo; Fernandez-Alonso, Felix; Andreani, Carlos
subjectGraphene Oxide; water confinement
Carbon 108 (2016): 199–203.
<https://dx.doi.org/10.1016/j.carbon.2016.07.021>

16)-Light-induced rotations of chiral birefringent microparticles in optical tweezers

M. G. Donato; A. Mazzulla; P. Pagliusi; A. Magazzù; R. J. Hernandez; C. Provenzano; P. G. Gucciardi; O. M. Maragò; G. Cipparrone
subjectchirality
subjectoptical tweezers
subjectliquid crystal
subjectpolymers
Scientific reports (Nature Publishing Group) 6 (2016).
<https://dx.doi.org/10.1038/srep31977>

17)-Understanding the changes of cone reflectance in adaptive optics flood illumination retinal images over three years

Mariotti, Letizia; Devaney, Nicholas; Lombardo, Giuseppe; Lombardo, Marco
subjectAdaptive optics
subjectVisual optics
subjectreceptor optics
subjectMedical and biological imaging.
Biomedical optics express 7 (2016): 2807–2822.
<https://dx.doi.org/10.1364/BOE.7.002807>

18)-Investigation of Adaptive Optics Imaging Biomarkers for Detecting Pathological Changes of the Cone Mosaic in Patients with Type 1 Diabetes Mellitus

Lombardo, Marco; Parravano, Mariacristina; Serrao, Sebastiano; Ziccardi, Lucia; Giannini, Daniela; Lombardo, Giuseppe; subject Adaptive optics; subject Visual optics; subject receptor optics; subject Medical and biological imaging.

PloS one 11 (2016).

<https://dx.doi.org/10.1371/journal.pone.0151380>

19)-All-Optical Method to Assess Stromal Concentration of Riboflavin in Conventional and Accelerated UV-A Irradiation of the Human Cornea

Lombardo, Giuseppe; Micali, Norberto Liborio; Villari, Valentina; Serrao, Sebastiano; Lombardo, Marco; subject cross-linkings; subject riboflavins; subject two-photon optical microscopy; subject spectrophotometry

Investigative ophthalmology & visual science 57 (2016): 476–483.

<https://dx.doi.org/10.1167/iovs.15-18651>

20)-HIGH-RESOLUTION MULTIMODAL IMAGING AFTER IDIOPATHIC EPIRETINAL MEMBRANE SURGERY

Lombardo, Marco; Scarinci, Fabio; Giannini, Daniela; Pileri, Marco; Ripandelli, Guido; Stirpe, Mario; Lombardo, Giuseppe; Serrao, Sebastiano; subject adaptive optics; subject idiopathic epiretinal membranes; subject optical coherence tomography; subject pars plana vitrectomy

Retina (Philadelphia, Pa.) 36 (2016): 171–180.

<https://dx.doi.org/10.1097/IAE.0000000000000679>

21)-Novel Technique of Transepithelial Corneal Cross-Linking Using Iontophoresis in Progressive Keratoconus

Lombardo, Marco; Serrao, Sebastiano; Raffa, Paolo; Rosati, Marianna; Lombardo, Giuseppe; Lombardo, Giuseppe; subject corneal crosslinkings; subject iontophoresis; subject transepithelial riboflavin

Journal of Ophthalmology (Print) 2016 (2016).

<https://dx.doi.org/10.1155/2016/7472542>

22)-The quantum mechanics derived atomistic mechanism underlying the acceleration of catalytic CO oxidation on Pt(110) by surface acoustic waves

An, Qi; Qian, Jin; Nielsen, Robert R.; Sementa, Luca; Barcaro, Giovanni; Negreiros, Fabio R.; Fortunelli, Alessandro; Goddard, William A., III; subject surface acoustic waves - ab initio simulations

Journal of Materials Chemistry A 4 (2016): 12036–12045.

<https://dx.doi.org/10.1039/c6ta03669d>

23)-Lattice Strain Defects in a Ceria Nanolayer

Ma, Liying; Doudin, Nassar; Surnev, Svetlozar; Barcaro, Giovanni; Sementa, Luca; Fortunelli, Alessandro; Netzer, Falko P.; subject cerium oxide - density functional theory - modeling

The journal of physical chemistry letters 7 (2016): 1303–1309.

<https://dx.doi.org/10.1021/acs.jpcllett.6b00253>

24)-Crystal Structure and Theoretical Analysis of Green Gold Au-30(S-tBu)(18) Nanomolecules and Their Relation to Au₃₀S(S-tBu)(18)

Dass, Amala; Jones, Tanya; Rambukwella, Milan; Crasto, David; Gagnon, Kevin J.; Sementa, Luca; De Vetta, Martina; Baseggio, Oscar; Apra, Edoardo; Stener, Mauro; Fortunelli, Alessandro

density functional theory - modeling - theoretical design

Journal of physical chemistry. C 120 (2016): 6256–6261.

<https://dx.doi.org/10.1021/acs.jpcc.6b00062>

25)-Two-Dimensional Iron Tungstate: A Ternary Oxide Layer with Honeycomb Geometry

Pomp, S.; Kuhness, D.; Barcaro, G.; Sementa, L.; Mankad, V.; Mankad, V.; Fortunelli, A.; Sterrer, M.; Netzer, F. P.; Surnev, S.

ultrathin oxides - theoretical modeling

Journal of physical chemistry. C 120 (2016): 7629–7638.

<https://dx.doi.org/10.1021/acs.jpcc.6b01086>

26)-Decoration of gold nanoparticles with cysteine in solution: reactive molecular dynamics simulations

S. Monti; V. Carravetta; H. Agren

hybrid materials nanoparticles decorations functionalization

Nanoscale (Print) 8 (2016): 12929–12938.

<https://dx.doi.org/10.1039/c6nr03181a>

27)-Optical properties of gold nanoclusters functionalized with a small organic compound: Modeling by an integrated quantum-classical approach

Li X.; Carravetta V.; Li C.; Monti S.; Rinkevicius Z.; Agren H.

physisorption on gold surface adsorptions ReaxFF reactive molecular dynamics

Journal of chemical theory and computation 12 (2016): 3325–3339.

<https://dx.doi.org/10.1021/acs.jctc.6b00283>

28)-Synthetic Antenna Functioning As Light Harvester in the Whole Visible Region for Enhanced Hybrid Photosynthetic Reaction Centers

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

absorption spectroscopy; covalent bond; energy conversion; light; photocatalysis; photosynthesis; Rhodobacter sphaeroides; synthesis

Bioconjugate chemistry (Online) 27 (2016): 1614–1623.

<https://dx.doi.org/10.1021/acs.bioconjchem.6b00175>

29)-Il re è nudo, la seppia invece no!

Massimo Trotta

Seppia materiale fotonico proteine

Sapere (Bari) 82 (2016).

<http://www.cnr.it/prodotto/i/359296>

info:cnr-pdr/source/autori:Massimo Trotta/titolo:Il re è nudo, la seppia invece no!/

30)-Il rumore dei fagioli

Massimo Trotta/subjectlegumisubjectproteine

Sapere (Bari) 82 (2016).

<http://www.cnr.it/prodotto/i/359298>

info:cnr-pdr/source/autori:Massimo Trotta/titolo:Il rumore dei fagioli/

31)-La proteina di Lombroso

Massimo Trotta/subjectProteine

Sapere (Bari) 82 (2016): 52.

<http://www.cnr.it/prodotto/i/359299>

info:cnr-pdr/source/autori:Massimo Trotta/titolo:La proteina di Lombroso/

32)-Le bollicine del ragioniere Fantozzi

Massimo Trotta/subjectCarbonato anidrasisubjectproteine

Sapere (Bari) 82 (2016): 52.

<http://www.cnr.it/prodotto/i/359301>

info:cnr-pdr/source/autori:Massimo Trotta/titolo:Le bollicine del ragioniere Fantozzi/

33)-Molecular interactions, characterization and photoactivity of Chlorophyll a/chitosan/2-HP-b-cyclodextrin composite films as functional and active ...

Vito Rizzi; Paola Fini; Fiorenza Fanelli; Tiziana Placido; Paola Semeraro; Teresa Sibillano; Aurore Fraix; Salvatore Sortino; Angela Agostiano; Cinzia Giannini; Pinalysa Cosma.subjectFoodssubjectfilms

Food hydrocolloids (2016).

<https://dx.doi.org/10.1016/j.foodhyd.2016.02.012>

34)-Rigid amorphous fraction and multiple melting behavior in poly(butylene terephthalate) and isotactic polystyrene

Righetti, Maria Cristina; Di Lorenzo, Maria Laura/subjectCrystallinitysubjectInterphasesubjectMelting behaviorsubjectRigid amorphous fraction

Journal of thermal analysis and calorimetry (Print) 126 (2016): 521–530.

<https://dx.doi.org/10.1007/s10973-016-5553-0>

35)-Theoretical investigation of the broad one-photon absorption line-shape of a flexible symmetric carbazole derivative

Liu Y.; Cerezo J.; Santoro F.; Rizzo A.; Lin N.; Zhao X.subjecttheoretical chemistry; photon absorption line-shape; carbazoles

PCCP. Physical chemistry chemical physics (Print) 18 (2016): 22889–22905.

<https://dx.doi.org/10.1039/c6cp04162k>

36)-Crystallographic analysis of the photosynthetic reaction center from *Rhodobacter sphaeroides* bioconjugated with an artificial antenna

Benny Danilo Belviso; Rocco Roberto Tangorra; Francesco Milano; Omar Hassan Omar; Simona la Gatta; Roberta Ragni; Angela Agostiano; Gianluca M. Farinola; Rocco Caliandro; Massimo Trotta
subject: macromolecular structures
subject: biomimetic (assembly)
subject: biomimetic (assembly)
subject: biological synthesis (chemical reaction)

MRS Advances (2016).

<https://dx.doi.org/10.1557/adv.2016.10>

37)-Il sangue non è acqua

Massimo Trotta
subject: anguille
subject: proteine

Sapere (Bari) 82 (2016): 52.

<http://www.cnr.it/prodotto/i/360579>

info:cnr-pdr/source/autori:Massimo Trotta/titolo:Il sangue non è acqua/

38)-Double-Wall Nanotubes and Graphene Nanoplatelets for Hybrid Conductive Adhesives with Enhanced Thermal and Electrical Conductivity

Messina, Elena; Leone, Nancy; Foti, Antonino; Di Marco, Gaetano; Riccucci, Cristina; Di Carlo, Gabriella; Di Maggio, Francesco; Cassata, Antonio; Gargano, Leonardo; D'Andrea, Cristiano; Fazio, Barbara; Marago, Onofrio Maria; Robba, Benedetto; Vasi, Cirino; Ingo, Gabriel Maria; Gucciardi, Pietro Giuseppe
subject: graphenes
subject: nanotubes
subject: liquid-phase exfoliations
subject: thermal interface materials
subject: conductive epoxy
subject: thermal conductivity
subject: electrical conductivity
subject: chip bonding

ACS applied materials & interfaces (Print) 8 (2016): 23244–23259.

<https://dx.doi.org/10.1021/acsami.6b06145>

39)-Physico-chemical properties of quartz from industrial manufacturing and its cytotoxic effects on alveolar macrophages: The case of green sand mould casting for iron production.

Di Benedetto F.[1,2], Gazzano E.[3,4], Tomatis M.; [4,5], Turci F.[4,5], Pardi L.A.[6], Bronco S.[6], Fornaciai G.[7], Innocenti M.[7], Montegrossi G.[2], Muniz Miranda M.[7], Zoleo A.[8], Capacci F.[9], Fubini B.[5,6], Ghigo D.[3,4], Romanelli M.[1]
subject: Carbon coatings
subject: Cytotoxicity
subject: EPR/ESEEM
subject: Free radicals
subject: Health effects
subject: Hole and Al centre
subject: Macrophages
subject: NO
subject: Quartz
subject: ROS

Journal of hazardous materials (Print) 312 (2016): 18–27.

<https://dx.doi.org/10.1016/j.jhazmat.2016.03.016>

40)-Recyclability of PET/WPI/PE Multilayer Films by Removal of Whey Protein Isolate-Based Coatings with Enzymatic Detergents

Cinelli, Patrizia; Schmid, Markus; Bugnicourt, Elodie; Coltelli, Maria Beatrice; Lazzeri, Andrea
subjectwhey protein isolates
subjectenzymatic detergent
subjectrecyclability
subjectproteases
subjectmultilayer film
subjectpolyethylene terephthalate (PET)
subjectpolyethylene (PE)

Materials (Basel) 9 (2016): 1–15.

<https://dx.doi.org/10.3390/ma9060473>

41)-Methods for investigating the local spatial anisotropy and the preferred orientation of cones in adaptive optics retinal images.

Cooper, Robert F; Lombardo, Marco; Carroll, Joseph; Sloan, Kenneth R; Lombardo, Giuseppe
subjectAdaptive optic
subjectCone metric
subjectCone photoreceptors
subjectCone orientation

Visual neuroscience (Print) 33 (2016): E005.

<https://dx.doi.org/10.1017/S0952523816000018>

42)-Integrin-targeting with peptide-bioconjugated semiconductor-magnetic nanocrystalline heterostructures

Valente G.; Depalo N.; de Paola I.; Iacobazzi R.M.; Denora N.; Laquintana V.; Comparelli R.; Altamura E.; Latronico T.; Altomare M.; Fanizza E.; Striccoli M.; Agostiano A.; Saviano M.; Del Gatto A.; Zaccaro L.; Curri M.L.
subjectIntegrin

Nano research (Print) 9 (2016): 644–662.

<https://dx.doi.org/10.1007/s12274-015-0944-2>

43)-New insight into hydration and aging mechanisms of paper by the line shape analysis of proton NMR spectra

D. Mallamace (1); S. Vasi (2); M. Missori (3); C. Corsaro (2,4)
subjectancient papers
subjectproton NMR spectra

Il Nuovo cimento C (Online) 39 (2016): 309-1–309-10.

<https://dx.doi.org/10.1393/ncc/i2016-16309-7>

44)-Nanoscale Domain Structure and Defects in a 2-D WO₃ Layer on Pd(100)

Doudin, N.; Kuhness, D.; Blatnik, M.; Barcaro, G.; Negreiros, F. R.; Sementa, L.; Fortunelli, A.; Surnev, S.; Netzer, F. P.
subject2D oxide - tungsten oxide - computational modeling

Journal of physical chemistry. C 120 (2016): 28682–28693.

<https://dx.doi.org/10.1021/acs.jpcc.6b10504>

45)-SERS detection of Biomolecules at Physiological pH via aggregation of Gold Nanorods mediated by Optical Forces and Plasmonic Heating

Fazio, Barbara; D'Andrea, Cristiano; Foti, Antonino; Messina, Elena; Irrera, Alessia; Donato, Maria Grazia; Villari, Valentina; Micali, Norberto; Marago, Onofrio M.; Gucciardi, Pietro G.
subjectSERS
subjectbiomolecules
subjectgold nanorods

Scientific reports (Nature Publishing Group) 6 (2016): n°26952.

<https://dx.doi.org/10.1038/srep26952>

46)-Vortexes tune the chirality of graphene oxide and its non-covalent hosts

Di Mauro, A.; Randazzo, R.; Spano, S. F.; Compagnini, G.; Gaeta, M.; D'Urso, L.; Paolesse, R.; Pomarico, G.; Di Natale, C.; Villari, V.; Micali, N.; Fragala, M. E.; D'Urso, A.; Purrello, R.subjectsupramolecular chiralitysubjectgraphene oxide

Chemical communications (Lond., 1996, Print) 52 (2016): 13094–13096.

<https://dx.doi.org/10.1039/c6cc05177d>

47)-SERS Amplification from Self-Organized Arrays of Plasmonic Nanocrescents

Giordano, Maria Caterina; Foti, Antonino; Foti, Antonino; Messina, Elena; Gucciardi, Pietro Giuseppe; Comoretto, Davide; Buatier De Mongeot, Francesco.subjectbiosensingsubjectnanophotonicssubjectnanostructuressubjectplasmonic nanoantennassubjectpolymer nanosphere arrayssubjectsurface-enhanced Raman scattering

ACS applied materials & interfaces (Print) 8 (2016): 6629–6638.

<https://dx.doi.org/10.1021/acsami.5b11843>

48)-Solid-State Synthesized Nanostructured Au Dendritic Aggregates Towards Surface-Enhanced Raman Spectroscopy

Gentile, A.; Gentile, A.; Ruffino, F.; Ruffino, F.; D'Andrea, C.; Gucciardi, P. G.; Reitano, R.; Grimaldi, M. G.subjectAusubjectkineticssubjectnano-dendritesubjectoptical propertiessubjectsurface enhancement Raman scattering

Journal of electronic materials 45 (2016): 2815–2825.

<https://dx.doi.org/10.1007/s11664-016-4369-9>

49)-Red-Shift Effects in Surface Enhanced Raman Spectroscopy: Spectral or Intensity Dependence of the Near-Field?

Colas, Florent J.; Colas, Florent J.; Cottat, Maximilien; Gillibert, Raymond; Guillot, Nicolas; Djaker, Nadia; Lidgi-Guigui, Nathalie; Toury, Timothée; Barchiesi, Dominique; Toma, Andrea; Di Fabrizio, Enzo; Di Fabrizio, Enzo; Gucciardi, Pietro G.; De La Chapelle, Marc Lamysubjectasersubjectplasmon red-shiftsubjectraman

Journal of physical chemistry. C 120 (2016): 13675–13683.

<https://dx.doi.org/10.1021/acs.jpcc.6b01492>

50)-Photonic Torque Microscopy of the Nonconservative Force Field for Optically Trapped Silicon Nanowires

Irrera, Alessia; Magazzu, Alessandro; Artoni, Pietro; Simpson, Stephen H.; Hanna, Simon; Jones, Philip H.; Priolo, Francesco; Gucciardi, Pietro Giuseppe; Marago, Onofrio M.subjectOptical tweezerssubjectsilicon nanowiressubjectnonequilibrium dynamicssubjectBrownian motion

Nano letters (Print) 16 (2016): 4181–4188.

<https://dx.doi.org/10.1021/acs.nanolett.6b01059>

51)-Confined Water as Model of Supercooled Water

Cervený, Silvana; Mallamace, Francesco; Swenson, Jan; Vogel, Michael; Xu, Limei
subjectsupercooled watersubjectconfined water

Chemical reviews 116 (2016): 7608–7625.

<https://dx.doi.org/10.1021/acs.chemrev.5b00609>

52)-Dynamics of water clusters in solution with LiCl

Corsaro, Carmelo; Mallamace, Domenico; Cicero, Nicola; Vasi, Sebastiano; Dugo, Giacomo; Mallamace, Francesco
subjectLithium chloridesubjectDynamical crossover
subjectWater solution

Physica. A (Print) 442 (2016): 261–267.

<https://dx.doi.org/10.1016/j.physa.2015.09.008>

53)-HR-MAS and NMR towards Foodomics

Corsaro, Carmelo; Cicero, Nicola; Mallamace, Domenico; Vasi, Sebastiano; Naccari, Clara; Salvo, Andrea; Giofre, Salvatore Vincenzo; Dugo, Giacomo
subjectHR-MAS
subjectNMR
subjectFoodomics
subjectMetabolic profile

Food research international 89 (2016): 1085–1094.

<https://dx.doi.org/10.1016/j.foodres.2016.09.033>

54)-The role of water in the degradation process of paper using ¹H HR-MAS NMR spectroscopy

Corsaro C.; Mallamace D.; Vasi S.; Pietronero L.; Mallamace F.; Missori M.
subject¹H HR-MAS NMR spectroscopy

PCCP. Physical chemistry chemical physics (Print) 18 (2016): 33335–33343.

<https://dx.doi.org/10.1039/c6cp06601a>

55)-Emulsion Blending Approach for the Preparation of Gelatin/Poly(butylene succinate-co-adipate) Films

Bertoldo, Monica; Coltelli, Maria-Beatrice; Messina, Tiziana; Bronco, Simona; Castelvetro, Valter
subjectgelatin
subjectpoly(butylene succinate-co-adipate)
subjectemulsions
subjectblends
subjectfilms
subjectwet processing

ACS biomaterials science & engineering 2 (2016): 677–686.

<https://dx.doi.org/10.1021/acsbiomaterials.6b00050>

56)-Plasmonic photoheating of gold nanorods in thermo-responsive chiral liquid crystals

De Sio, Luciano; Placido, Tiziana; Comparelli, Roberto; Curri, Maria Lucia; Tabiryan, Nelson; Bunning, Timothy J.
subjectliquid crystals
subjectnanomaterials
subjectplasmonics
subjectoptics

Journal of optics (Print) 18 (2016).

<https://dx.doi.org/10.1088/2040-8978/18/12/125005>

- 57)-Electrophoretic deposition of colloidal TiO₂ nanorods towards nano-porous thin-films**
Binetti, Enrico; Bazzanella, Nicola; Comparelli, Roberto; Miotello, Antonio
Surface functionalizations
Nanoparticle depositions
Directed-assembly
Anatase
Materials letters (Gen. ed.) 174 (2016): 226–229.
<https://dx.doi.org/10.1016/j.matlet.2016.03.117>
- 58)-Surface Functionalized Luminescent Nanocrystals Electrostatically Assembled onto a Patterned Substrate**
Corricelli, Michela; Comparelli, Roberto; Depalo, Nicoletta; Fanizza, Elisabetta; Sadhu, Veera B.; Huskens, Jurriaan; Agostiano, Angela; Striccoli, Marinella; Curri, Maria L.
Electrostatics
functionalizations
nanocrystals
nanoimprint lithography
photoluminescences
self-assembly
Current nanoscience (Print) 12 (2016): 386–395.
<https://dx.doi.org/10.2174/1573413712666151126203908>
- 59)-Two dynamical crossovers in protein hydration water revealed by the NMR spin-spin relaxation time**
Mallamace, D.; Vasi, S.; Corsaro, C.
protein hydration
Il Nuovo cimento C (2009, Testo stamp.) 39 (2016).
<https://dx.doi.org/10.1393/ncc/i2016-16306-x>
- 60)-Statistical Analysis of Mineral Concentration for the Geographic Identification of Garlic Samples from Sicily (Italy), Tunisia and Spain**
Vadala, Rossella; Mottese, Antonio F.; Bua, Giuseppe D.; Salvo, Andrea; Mallamace, Domenico; Corsaro, Carmelo; Vasi, Sebastiano; Giofre, Salvatore V.; Alfa, Maria; Cicero, Nicola; Dugo, Giacomo
PCA
ICP-MS
Nubia Red
Garlics
anticarcinogenesis
geographic origins
multi-element profile
Foods 5 (2016).
<https://dx.doi.org/10.3390/foods5010020>
- 61)-Theoretical Study of the Adsorption Mechanism of Cystine on Au(110) in Aqueous Solution**
S. Monti; V. Carravetta; H. Agren
hybrid material
gold nanoparticle stabilizations
peptide-metal bindings
biocompatibility
Small (Weinh., Print) (2016).
<https://dx.doi.org/10.1002/sml.201602275>
- 62)-Some Considerations on Confined Water: The Thermal Behavior of Transport Properties in Water-Glycerol and Water-Methanol Mixtures**
Mallamace; Francesco; Corsaro; Carmelo; Mallamace; Domenico; Vasi; Cirino; Vasi; Sebastiano; Stanley; H. Eugene
NUCLEAR-MAGNETIC-RESONANCE
STOKES-EINSTEIN RELATION
DIELECTRIC-PROPERTIES
SUPERCOOLED WATER
RELAXATION

PROCESSsubjectDYNAMIC CROSSOVERsubjectPHASE-TRANSITIONsubjectLIQUID
METHANOLsubjectSELF-DIFFUSIONsubjectSPECTROSCOPY
MRS Advances 1 (2016): 1891–1902.
<https://dx.doi.org/10.1557/adv.2016.53>

63)-HR-MAS and NMR towards Foodomics

Corsaro; Carmelo; Cicero; Nicola; Mallamace; Domenico; Vasi; Sebastiano; Naccari; Clara; Salvo; Andrea; Giofre; Salvatore Vincenzo; Dugo; GiacomosubjectHR-MASsubjectNMRsubjectFoodomicssubjectMetabolic profilessubjectNUCLEAR-MAGNETIC-RESONANCEsubjectMULTIVARIATE STATISTICAL-ANALYSISsubjectPARMIGIANO REGGIANO CHEESEsubjectIN-VITRO DIGESTIONsubjectVIRGIN OLIVE OILSsubjectFOOD ANALYSISsubjectH-1-NMR SPECTROSCOPYsubjectGEOGRAPHICAL ORIGINsubjectMOZZARELLA CHEESEsubjectBUFFALO MILK
Food research international 89 (2016): 1085–1094.
<https://dx.doi.org/10.1016/j.foodres.2016.09.033>

64)-NMR spectroscopy study of local correlations in water

Mallamace; Francesco; Corsaro; Carmelo; Mallamace; Domenico; Vasi; Sebastiano; Stanley; H. EugenesubjectMAGNETIC-RESONANCE ABSORPTIONsubjectSTOKES-EINSTEIN RELATIONsubjectSPIN-LATTICE-RELAXATIONsubjectSUPERCOOLED WATERsubjectLIQUID WATERsubjectCONFINED WATERsubjectTRANSPORT-PROPERTIESsubjectDYNAMIC CROSSOVERsubjectUNUSUAL BEHAVIORsubjectTEMPERATURE
The Journal of chemical physics 145 (2016).
<https://dx.doi.org/10.1063/1.4968589>

65)-Strongly enhanced light trapping in a two-dimensional silicon nanowire random fractal array

Fazio, Barbara; Artoni, Pietro; Iati', Maria Antonia; D'Andrea, Cristiano; Lo Faro, Maria Jose'; Lo Faro, Maria Jos; Lo Faro, Maria Jos; Del Sorbo, Salvatore; Pirota, Stefano; Gucciardi, Pietro Giuseppe; Musumeci, Paolo; Musumeci, Paolo; Vasi, Cirino Salvatore; Saija, Rosalba; Galli, Matteo; Priolo, Francesco; Priolo, Francesco; Priolo, Francesco; Irrera, Alessiasubjectlight trappingsubjectmultiple scatteringsubjectRaman enhancementsubjectrandom fractalsubjectsilicon nanowires
Light: Science & Applications 5 (2016).
<https://dx.doi.org/10.1038/lsa.2016.62>

66)-A room temperature light source based on silicon nanowires

Lo Faro, M. J.; D'Andrea, C.; Messina, E.; Fazio, B.; Musumeci, P.; Franzò, G.; Gucciardi, P. G.; Vasi, C.; Priolo, F.; Iacona, F.; Irrera, A.subjectCarbon nanotubessubjectMetal assisted chemical etchingsubjectMultiwavelength light sourcesubjectRoom temperature photoluminescencesubjectSiliconsilicon nanowires
Thin solid films (Print) 613 (2016): 59–63.

<https://dx.doi.org/10.1016/j.tsf.2015.11.028>

67)-Improvement of DSSC performance by voltage stress application

Scuto, Andrea; Lombardo, Salvatore; Di Marco, Gaetano; Calogero, Giuseppe; Citro, Ilaria; Principato, Fabio; Chiappara, Clara
subjectDye-sensitized solar cells
subjectageing effect
subjectelectric stress
subjectperformance improvement

IEEE International Reliability Physics Symposium proceedings (2016).

<http://www.cnr.it/prodotto/i/380745>

info:cnr-pdr/source/autori:Scuto, Andrea; Lombardo, Salvatore; Di Marco, Gaetano; Calogero, Giuseppe; Citro, Ilaria; Principato, Fabio; Chiappara, Clara/titolo:Improvement of DSSC performance by voltage stress application/

68)-Fluorinated imidazolium salts having liquid crystal characteristics

Zama, Isabella; Gorni, Giacomo; Borzatta, Valerio; Cassani, Maria Cristina; Crupi, Cristina; Di Marco, Gaetano
subjectIonic Liquids
subjectSolar cells

Journal of molecular liquids (Print) 223 (2016): 749–753.

<https://dx.doi.org/10.1016/j.molliq.2016.08.101>

69)-Decoration of silicon nanowires with silver nanoparticles for ultrasensitive surface enhanced Raman scattering

D'Andrea, Cristiano; Lo Faro, Maria J.; Bertino, Giulia; Ossi, Paolo M.; Neri, Fortunato; Trusso, Sebastiano; Musumeci, Paolo; Galli, Matteo; Cioffi, Nicola; Irrera, Alessia; Priolo, Francesco; Fazio, Barbara
subjectsilicon nanowires
subjectpulsed laser ablations
subjectsilver nanoparticless
subjectSERS

Nanotechnology (Bristol. Print) 27 (2016).

<https://dx.doi.org/10.1088/0957-4484/27/37/375603>

70)-Functionalization of silicon nanowire arrays by silver nanoparticles for the laser desorption ionization mass spectrometry analysis of vegetable oils

Picca, Rosaria Anna; Calvano, Cosima Damiana; Lo Faro, Maria Jose; Fazio, Barbara; Trusso, Sebastiano; Ossi, Paolo Maria; Neri, Fortunato; D'Andrea, Cristiano; Irrera, Alessia; Cioffi, Nicola
subjectsilicon nanowires
subjectsilvers
subjectnanomaterials
subjectSALDI-MS
subjectunsaturated bond
subjectDIOS
subjectfood analysis

Journal of mass spectrometry (Print) 51 (2016): 849–856.

<https://dx.doi.org/10.1002/jms.3826>

71)-P(VDF-TrFE)/BaTiO₃ Nanoparticle Composite Films Mediate Piezoelectric Stimulation and Promote Differentiation of SH-SY5Y Neuroblastoma Cells

Genchi, Giada Graziana; Ceseracciu, Luca; Marino, Attilio; Labardi, Massimiliano; Marras, Sergio; Pignatelli, Francesca; Bruschini, Luca; Mattoli, Virgilio; Ciofani, Giannis
subjectP(VDF-TrFE)
subjectpiezoelectrics
subjectNanoparticle

Advanced healthcare materials (Print) 5 (2016): 1808–1820.

<https://dx.doi.org/10.1002/adhm.201600245>

72)-Laser scanner for the architectural and cultural heritage and applications for the dissemination of the 3D model

Barrile, Vincenzo; Nunnari, Antonino; Ponterio, Rosa C.subjectLaser ScannerssubjectHeritagesubjectwebgissubjectAugmented Realitysubjectcultural

Procedia: social & behavioral sciences 223 (2016): 563–568.

<https://dx.doi.org/10.1016/j.sbspro.2016.05.342>

73)-Time and Temperature Evolution of the Rigid Amorphous Fraction and Differently Constrained Amorphous Fractions in PLLA

Righetti, Maria Cristina; Prevosto, Daniele; Tombari, Elpidiosubjectconstrained mobile amorphous fractionssubjectcrystallinitysubjectdifferential scanning calorimetry (DSC)subjectinterfacessubjectrigid amorphous fraction

Macromolecular chemistry and physics (Print) 217 (2016): 2013–2026.

<https://dx.doi.org/10.1002/macp.201600210>

74)-Aging kinetics of levoglucosan orientational glass as a rate dispersion process and consequences for the heterogeneous dynamics view

Righetti, Maria Cristina; Tombari, Elpidio; Johari, G. P.subjectaging

The Journal of chemical physics 145 (2016).

<https://dx.doi.org/10.1063/1.4959806>

75)-Rod-coil block copolymer as nanostructuring compatibilizer for efficient CdSe NCs/PCPDTBT hybrid solar cells

Zappia, Stefania; Di Mauro, A. Evelyn; Mastria, Rosanna; Rizzo, Aurora; Curri, M. Lucia; Striccoli, Marinella; Destri, SilviasubjectBlock copolymerssubjectHybrid solar cellssubjectCdSe nanocrystalssubjectMorphologysubjectCompatibilizersubjectAnnealing

European Polymer Journal 78 (2016): 352–363.

<https://dx.doi.org/10.1016/j.eurpolymj.2016.03.021>

76)-SERS detection and DFT calculation of 2-naphthalene thiol adsorbed on Ag and Au probes

Agarwal, Nisha Rani; Lucotti, Andrea; Tommasini, Matteo; Neri, Fortunato; Trusso, Sebastiano; Ossi, Paolo MariasubjectVolatile thiolssubjectSERS sensorssubjectFiberopticsubjectPulsed laser depositionsubjectChemical kinetics

Sensors and actuators. B, Chemical (Print) 237 (2016): 545–555.

<https://dx.doi.org/10.1016/j.snb.2016.06.143>

77)-Some considerations on the transport properties of water-glycerol suspensions

Mallamace, Francesco; Corsaro, Carmelo; Mallamace, Domenico; Vasi, Sebastiano; Vasi, Cirino; Stanley, H. Eugenesubjecttransport propertiessubjectwater-glycerol solutions

The Journal of chemical physics 144 (2016).

<https://dx.doi.org/10.1063/1.4939087>

78)-Dynamical properties of water-methanol solutions

Mallamace, Francesco; Corsaro, Carmelo; Mallamace, Domenico; Vasi, Cirino; Vasi, Sebastiano; Stanley, H. Eugene; subject: water solutions; subject: relaxation times; subject: dynamic crossover

The Journal of chemical physics 144 (2016).

<https://dx.doi.org/10.1063/1.4941414>

79)-Optimization of electrospinning techniques for the realization of nanofiber plastic lasers

Persano L.; Moffa M.; Fasano V.; Montinaro M.; Morello G.; Resta V.; Spadaro D.; Gucciardi P.G.; Marago O.M.; Camposeo A.; Pisignano D.; subject: Electrospinnings; subject: light-emitting nanofibers; subject: light-scatterings; subject: plastic lasers; subject: polymers

Proceedings of SPIE 9745 (2016).

<https://dx.doi.org/10.1117/12.2212674>

80)-Surface-enhanced Raman spectroscopy in 3D electrospun nanofiber mats coated with gold nanorods

A. Camposeo; D. Spadaro; D. Magri; M. Moffa; P. G. Gucciardi; L. Persano; O. M. Marago; D. Pisignano; subject: Au Nanorods; subject: Electrospinnings; subject: Nanofibers; subject: Raman spectroscopy; subject: SERS

Analytical and bioanalytical chemistry (Internet) 408 (2016): 1357–1364.

<https://dx.doi.org/10.1007/s00216-015-9226-9>

81)-Investigation of recovery mechanisms in dye sensitized solar cells

Chiappara, C.; Figa, V.; Di Marco, G.; Calogero, G.; Citro, T.; Scuto, A.; Lombardo, S.; Pignataro, B.; Principato, F.; subject: Dye-sensitized solar cells; subject: Impedance spectroscopy; subject: Current-voltage transients; subject: Electron lifetimes

Solar energy (Print) 127 (2016): 56–66.

<https://dx.doi.org/10.1016/j.solener.2016.01.010>

82)-Energy landscape in protein folding and unfolding

Mallamace, Francesco; Corsaro, Carmelo; Mallamace, Domenico; Vasi, Sebastiano; Vasi, Cirino; Baglioni, Piero; Buldyrev, Sergey V.; Chen, Sow-Hsin; Stanley, H. Eugene; subject: protein foldings; subject: proton NMR; subject: energy landscapes; subject: hydration water

Proceedings of the National Academy of Sciences of the United States of America 113 (2016): 3159–3163.

<https://dx.doi.org/10.1073/pnas.1524864113>

83)-Direct comparison between solid state Silicon+(LiF)-Li-6 and He-3 gas tube neutron detectors

Pappalardo, A.; Vasi, C.; Finocchiaro, P.; subject: Neutron detectors; subject: Lithium fluorides; subject: He-3

Results in physics 6 (2016): 12–13.

<https://dx.doi.org/10.1016/j.rinp.2015.11.012>

84)-Materials analysis opportunities on the new neutron imaging facility IMAT@ISIS

Minniti, T.; Kockelmann, W.; Burca, G.; Kelleher, J. F.; Kabra, S.; Zhang, S. Y.; Pooley, D. E.; Schooneveld, E. M.; Mutamba, Q.; Sykora, J.; Rhodes, N. J.; Pouzols, F. M.; Nightingale, J. B.; Aliotta, F.; Bonaccorsi, L. M.; Ponterio, R.; Salvato, G.; Trusso, S.; Vasi, C.; Tremsin, A. S.; Gorini, G.subjectNeutron diffraction detectorssubjectImaging spectroscopysubjectNeutron detectors (coldsubjectthermalsubjectfast neutrons)subjectBeam-line instrumentation (beam position and profile monitors; beam-intensity monitors; bunch length monitors)

Journal of instrumentation 11 (2016).

<https://dx.doi.org/10.1088/1748-0221/11/03/C03014>

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

1)-Atomistic and Electronic Structure Methods for Nanostructured Oxide Interfaces

Barcaro, Giovanni; Sementa, Luca; Negreiros, Fabio Ribeiro; Thomas, Iorwerth Owain; Vajda, Stefan; Fortunelli, Alessandro
subject 2d materials - theoretical modeling

Oxide Materials at the Two-Dimensional Limit, edited by Alessandro Fortunelli; Falko Netzer, pp. 39–90, 2016

https://dx.doi.org/10.1007/978-3-319-28332-6_2

info:cnr-pdr/source/autori:Barcaro, Giovanni; Sementa, Luca; Negreiros, Fabio Ribeiro; Thomas, Iorwerth Owain; Vajda, Stefan; Fortunelli, Alessandro/titolo:Atomistic and Electronic Structure Methods for Nanostructured Oxide Interfaces/titolo_volume:Oxide Materials at the Two-Dimensional Limit/curatori_volume:Alessandro Fortunelli; Falko Netzer/editore:/anno:2016

2)-Simulation of physisorption and chemisorption of cysteine on gold substrates in water solutions: classical molecular dynamics based on a reactive force field (ReaxFF)

Monti Susanna; Carravetta Vincenzo; Agren Hans
subject functionalization of Au surfaces

Multiscale Modelling of Materials and Molecules 2016, pp. 11–11, Uppsala, 7-9 June 2016

<http://www.cnr.it/prodotto/i/358900>

info:cnr-pdr/source/autori:Monti Susanna, Carravetta Vincenzo, Agren Hans/congresso_nome:Multiscale Modelling of Materials and Molecules 2016/congresso_luogo:Uppsala/congresso_data:7-9 June 2016/anno:2016/pagina_da:11/pagina_a:11/intervallo_pagine:11–11

3)-Kinetic quasimodes in a plasma double layer

Nocera L.
subject Vlasov equations
subject Liouville operators
subject Spectral representations
subject Green functions
subject Surface waves

102nd National Congress of the Italian Physical Society, pp. 218–218, Padova, 26-30 September 2016

<urn:isbn:978-88-7438-106-7>

info:cnr-pdr/source/autori:Nocera L./congresso_nome:102nd National Congress of the Italian Physical Society/congresso_luogo:Padova/congresso_data:26-30 September 2016/anno:2016/pagina_da:218/pagina_a:218/intervallo_pagine:218–218

4)-Photoconverters with organic semiconductors and photosynthetic bacteria: positioning the bacterial Reaction Center in nanostructures

Gianluca M. Farinola; Roberta Ragni; Francesco Milano; Simona La Gatta; Roberto R. Tangorra; Maurizio Mastropasqua Talamo; Marco Lo Presti; Angela Agostiano; Stefania R. Cicco; Alessandra Operamolla; Omar Hassan Omar; Massimo Trotta
subject Bacteria ;

Nanostructures ; Organic semiconductors ; Chemicals ; Electrodes ; Electron holes ; Nanomaterials ; Photons ; Proteins

Organic Sensors and Bioelectronics IX, San Diego (Ca), 25-28/08/2016

<https://dx.doi.org/10.1117/12.2237411>

info:cnr-pdr/source/autori:Gianluca M. Farinola ; Roberta Ragni ; Francesco Milano ; Simona La Gatta ; Roberto R. Tangorra ; Maurizio Mastropasqua Talamo ; Marco Lo Presti ; Angela Agostiano ; Stefania R. Cicco ; Alessandra Operamolla ; Omar Hassan Omar ; Massimo Trotta/congresso_nome:Organic Sensors and Bioelectronics IX/congresso_luogo:San Diego (Ca)/congresso_data:25-28/08/2016/anno:2016/pagina_da:/pagina_a:/intervallo_pagine:

5)-INVESTIGATION OF POLYMER DYNAMICS IN PVB-ATO NANOCOMPOSITES BY LOW-FIELD AND FAST FIELD-CYCLING 1H NMR RELAXOMETRY

Silvia Pizzanelli; Lucia Calucci; Claudia Forte; Simona Bronco; Chiara Serraglini; Tommaso Guazzini/subjectATOsubjectPVBsubjectNanocompositessubjectNMR relaxometry

XLV NATIONAL CONGRESS ON MAGNETIC RESONANCE Frontiers of Nuclear Magnetic Resonance: Translational Aspects and Advanced Solutions to New Scientific, Technological, and Societal Challenges, Modena, 05-07/09/2016

<http://www.cnr.it/prodotto/i/359703>

info:cnr-pdr/source/autori:Silvia Pizzanelli, Lucia Calucci, Claudia Forte, Simona Bronco, Chiara Serraglini, Tommaso Guazzini/congresso_nome:XLV NATIONAL CONGRESS ON MAGNETIC RESONANCE Frontiers of Nuclear Magnetic Resonance: Translational Aspects and Advanced Solutions to New Scientific, Technological, and Societal Challenges/congresso_luogo:Modena/congresso_data:05-07/09/2016/anno:2016/pagina_da:/pagina_a:/intervallo_pagine:

6)-Heptamethine cyanine dyes working as light harvesting antennas in biohybrid photosynthetic assemblies

S. la Gatta; G.M. Farinola; A. Agostiano; F. Milano; R. Ragni; M. Trotta/subjectReaction centers/subjectorganic biological hybrids

First Joint Congress of the French and Italian Photochemists and Photobiologists, pp. 33, Bari (Italy), 19-22/09/2016

<http://www.cnr.it/prodotto/i/360308>

info:cnr-pdr/source/autori:S. la Gatta, G.M. Farinola, A. Agostiano, F. Milano, R. Ragni and M. Trotta/congresso_nome:First Joint Congress of the French and Italian Photochemists and Photobiologists/congresso_luogo:Bari (Italy)/congresso_data:19-22/09/2016/anno:2016/pagina_da:33/pagina_a:/intervallo_pagine:33

7)-Heptamethine cyanine dyes working as light harvesting antennas in biohybrid photosynthetic assemblies

S. la Gatta; G.M. Farinola; A. Agostiano; F. Milano; R. Ragni; M. Trotta/subjectreaction centers/subjectorganic biological hybrids

6th EuCheMS Chemistry Congress, 11-15/09/2016, Sivilla (Spain)

<http://www.cnr.it/prodotto/i/360309>

info:cnr-pdr/source/autori:S. la Gatta, G.M. Farinola, A. Agostiano, F. Milano, R. Ragni and M. Trotta/congresso_nome:6th EuCheMS Chemistry Congress/congresso_luogo:11-15/09/2016/congresso_data:Sivilla (Spain)/anno:2016/pagina_da:/pagina_a:/intervallo_pagine:

8)-Garnishing the photosynthetic reaction center to improve performances

Simona la Gatta; Francesco Milano; Alessandra Operamolla; Omar Hassan Omar; Roberta Ragni; Angela Agostiano; Massimo Trotta; Gianluca M. Farinola
subject:reaction centers
subject:organic biological hybrids

ENERCHEM-1, Firenze (Italy), 19-20/02/2016

<http://www.cnr.it/prodotto/i/360310>

info:cnr-pdr/source/autori:Simona la Gatta, Francesco Milano, Alessandra Operamolla, Omar Hassan Omar, Roberta Ragni, Angela Agostiano, Massimo Trotta, Gianluca M. Farinola/congresso_nome:ENERCHEM-1/congresso_luogo:Firenze (Italy)/congresso_data:19-20/02/2016/anno:2016/pagina_da:/pagina_a:/intervallo_pagine:

9)-A mediatorless photoelectrochemical cell based on LIFT-immobilized Reaction Centers for the amperometric detection of herbicides

L. Giotta; F. Milano; M. Chatzipetrou; D. Chirizzi; M. Trotta; I. Zergioti; M. R. Guascito
subject:Reaction centers
subject:photoelectrochemistry

XLIV Congresso della Divisione di Chimica Fisica della SCI, Napoli, 20-23 Settembre 2016

<http://www.cnr.it/prodotto/i/360651>

info:cnr-pdr/source/autori:L. Giotta, F. Milano, M. Chatzipetrou, D. Chirizzi, M. Trotta, I. Zergioti, M. R. Guascito/congresso_nome:XLIV Congresso della Divisione di Chimica Fisica della SCI/congresso_luogo:Napoli/congresso_data:20-23 Settembre 2016/anno:2016/pagina_da:/pagina_a:/intervallo_pagine:

10)-Peptides-tailored Cyclodextrin Nanomagnets for Amyloid-beta targeting

A. Mazzaglia; a R. Tosto; b G. Sortino; a A. Scala; c A. Piperno; c V. Villari; d P. Mineo; e M.L. Giuffrida; b G. DiNatale; b N. Micalid; G. Pappalardo
subject:Cyclodextrin
subject:Magnetic Nanoparticles
subject:Amyloid-beta peptides

18th International Cyclodextrin Symposium 2016, pp. 79–79, Gainesville, Florida, USA, May 18-21, 2016

<http://www.cnr.it/prodotto/i/356854>

info:cnr-pdr/source/autori:A. Mazzaglia, a R. Tosto, b G. Sortino, a A. Scala, c A. Piperno, c V. Villari, d P. Mineo, e M.L. Giuffrida, b G. Di

Natale, b N. Micalid and G. Pappalardo
/congresso_nome:18th International Cyclodextrin Symposium 2016/congresso_luogo:Gainesville, Florida, USA/congresso_data:May 18-21, 2016/anno:2016/pagina_da:79/pagina_a:79/intervallo_pagine:79–79

11)-KLVFF-PEG-tailored Cyclodextrin Nanomagnets as Novel Tools for beta-Amyloide Targeting

A. Mazzaglia; R. Tosto; G. Sortino; A. Scala; A. Piperno; M. P. Casaletto; A. Riminucci; V. Villari; P. Mineo; M. L. Giuffrida; G. Di Natale; N. Micali; G.Pappalardo

subjectCyclodextrinsubjectNanomagnetsubjectbeta-amyloide
Biomet 16 , XVI Workshop on PharmaoBiometallics, pp. PO 13–PO 13, Messina, 28-29 Ottobre, 2016

<http://www.cnr.it/prodotto/i/361279>

info:cnr-pdr/source/autori:A. Mazzaglia, R. Tosto, G. Sortino, A. Scala , A. Piperno, M. P. Casaletto , A. Riminucci , V. Villari, P. Mineo, M. L. Giuffrida, G. Di Natale, N. Micali, G. Pappalardo/congresso_nome:Biomet 16 , XVI Workshop on PharmaoBiometallics/congresso_luogo:Messina/congresso_data:28-29 Ottobre, 2016/anno:2016/pagina_da:PO 13/pagina_a:PO 13/intervallo_pagine:PO 13–PO 13

12)-A Polycarboxylic Acid-Cyclodextrin/Porphyrin Fabric as Photosensitiser Eluting System for Photodynamic Antimicrobial Therapy

M. A. Castriciano; R. Zagami; M. P. Casaletto; B. Martel; M. Trapani; A. Romeo; V. Villari; M. T. Sciortino; L. Grasso; S. Guglielmino; L. Monsù Scolaro; A. Mazzaglia

subjectcyclodextrinsubjectPhotosensitiserssubjectTPPSsubjectantimicrobialssubjectPA T
BioMet16 - XVI Workshop on PharmacoBioMetallics, Messina, 28-29/10/2016

<http://www.cnr.it/prodotto/i/361299>

info:cnr-pdr/source/autori:M. A. Castriciano, R. Zagami, M. P. Casaletto, B. Martel, M. Trapani, A. Romeo, V. Villari, M. T. Sciortino, L. Grasso, S. Guglielmino, L. Monsù Scolaro, A. Mazzaglia/congresso_nome:BioMet16 - XVI Workshop on PharmacoBioMetallics/congresso_luogo:Messina/congresso_data:28-29/10/2016/anno:2016/pagina_da:/pagina_a:/intervallo_pagine:

13)-Probing the efficacy of peptide conjugates inhibitors against Ab aggregation

G. Pappalardo; R. Tosto; A. Sinopoli; M.F. Tomasello; M.L. Giuffrida; G. Di Natale; E. Rizzarelli; M. Saviano; M. Leone; G. Sortino; A. Mazzaglia; N. Micali; V. Villari.

subjectAbeta oligomerssubjectpeptidessubjectAlzheimer's disease
15th Naples Workshop on Bioactive Peptides, pp. 59–59, Naples, 23-25 June 2016

<http://www.cnr.it/prodotto/i/361300>

info:cnr-pdr/source/autori:G. Pappalardo, R. Tosto, A. Sinopoli, M.F. Tomasello, M.L. Giuffrida, G. Di Natale, E. Rizzarelli, M. Saviano, M. Leone, G. Sortino, A. Mazzaglia, N. Micali, V. Villari./congresso_nome:15th Naples Workshop on Bioactive Peptides/congresso_luogo:Naples/congresso_data:23-25 June 2016/anno:2016/pagina_da:59/pagina_a:59/intervallo_pagine:59–59

14)-Polycarboxylic Acid-Cyclodextrin/Porphyrin Finished Fabrics as Photosensitiser Releasers for Photodynamic Antimicrobial Therapy

M. A. Castriciano; R. Zagami; M. P. Casaletto; B. Martel; M. Trapani; A. Romeo; V. Villari; M. T. Sciortino; L. Grasso; S. Guglielmino; L. Monsù Scolaro; A. Mazzaglia

subjectcyclodextrinsubjectporphyrinsubjectantimicrobialssubjectPAT
First Joint Congress of the French and Italian Photochemists and Photobiologists, pp. 126–126, Bari, 19-22/09/2016

<http://www.cnr.it/prodotto/i/361110>

info:cnr-pdr/source/autori:M. A. Castriciano, R. Zagami, M. P. Casaletto, B. Martel, M. Trapani, A. Romeo, V. Villari, M. T. Sciortino, L. Grasso, S. Guglielmino, L. Monsù Scolaro, A. Mazzaglia/congresso_nome:First Joint Congress of the French and Italian Photochemists and Photobiologists/congresso_luogo:Bari/congresso_data:19-22/09/2016/anno:2016/pagina_da:126/pagina_a:126/intervallo_pagine:126–126

15)-Fabrics based on Cyclodextrin/Photosensitiser systems for Photodynamic Antimicrobial Therapy

Roberto Zagami; Maria Angela Castriciano; Maria Pia Casaletto; Bernard Martel; Mariachiara Trapani; Andrea Romeo; Valentina Villari; Maria Teresa Sciortino; Laura Grasso; Salvatore Guglielmino; Luigi Monsù Scolaro; Antonino Mazzaglia

subjectCyclodextrinsubjectPhotosensitiserssubjectPhotodynamic Antimicrobial Therapysubjectdrug delivery
Materials.it 2016, pp. 324–324, Aci Castello - CT, 12-16/12/2016

<http://www.cnr.it/prodotto/i/362856>

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16)-Nanomagnets based on Peptides-decorated Cyclodextrin for Amyloid-? targeting

A. Mazzaglia; a R. Tosto; b G. Sortino; a A. Scala; c A. Piperno; c M.P. Casaletto; d A. Riminucci; e V. Villari; f P. Mineo; f; g M.L. Giuffrida; b G. Di Natale; b N. Micali; f; G. Pappalardo

subjectMagnetic NanoparticlessubjectAmphiphilic CyclodextrinssubjectAlzheimer DiseasesubjectAmyloid-?
Materials.it, pp. 297–298, Aci Castello (Catania), 12-15/12/2016

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17)-Modeling of Enhanced Electromagnetic Fields in Plasmonic Nanostructures

Iati, Maria Antonia; Lidorikis, Elefterios; Saija, Rosalba
subject:enhancement subject:electromagnetic field subject:plasmonics
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18)-Polarized Surface-Enhanced Raman Scattering

Fazio, Barbara; Foti, Antonino; D'Andrea, Cristiano; Messina, Elena; Irrera, Alessia; Marago, Onofrio Maria; Gucciardi, Pietro
Giuseppe subject:plasmonics subject:sers subject:raman subject:polarization
Hanbook of Enhanced Spectroscopy, edited by Gucciardi, Pietro; Lamy de La Chapelle, Marc; Lidgi-Guigui, Nathalie, pp. 203–241. Singapore: Pan Stanford Publishing, 2016

<http://www.cnr.it/prodotto/i/374110>

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19)-TiO₂ Nanocrystals Decorated CVD Graphene Based Hybrid for UV-Light Active Photoanodes

Ingrosso, C.; Bianco, G. V.; Pifferi, V.; Guffanti, P.; Petronella, F.; Comparelli, R.; Agostiano, A.; Agostiano, A.; Striccoli, M.; Palchetti, I.; Falciola, L.; Curri, M. L.; Bruno, G. subject colloidal nanocrystals subject CVD graphenes subject hybrid materials subject UV active photoanode

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20)-Hybrid interfaces for electron and energy transfer based on photosynthetic proteins

Roberto Tangorra, R.; Antonucci, Alessandra; Milano, Francesco; La Gatta, Simona; Farinola, Gianluca M.; Agostiano, Angela; Agostiano, Angela; Ragni, Roberta; Trotta, Massimo subject photosynthesis

Handbook of Photosynthesis, edited by Mohammad Pessarakli, pp. 201–220, 2016

<http://www.scopus.com/record/display.url?eid=2-s2.0-85011099533&origin=inward>

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