

## Peer-reviewed journal articles

### 1)-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>

### 2)-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>

### 3)-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>

### 4)-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, CarlsubjectGraphene Oxide; water confinement

*Carbon* 108 (2016): 199–203.

<https://dx.doi.org/10.1016/j.carbon.2016.07.021>

### 5)-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. Cipparronesubjectchiralitysubjectoptical tweezerssubjectliquid crystalsubjectpolymers

*Scientific reports (Nature Publishing Group)* 6 (2016).

<https://dx.doi.org/10.1038/srep31977>

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

Mariotti, Letizia; Devaney, Nicholas; Lombardo, Giuseppe; Lombardo, MarcosubjectAdaptive opticssubjectVisual opticssubjectreceptor opticssubjectMedical and biological imaging.

*Biomedical optics express* 7 (2016): 2807–2822.

<https://dx.doi.org/10.1364/BOE.7.002807>

**7)-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>

**8)-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>

**9)-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>

**10)-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>

**11)-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; 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>

**12)-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 opticssubjectCone metricssubjectCone photoreceptors  
subjectCone orientation

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

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

**13)-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>

**14)-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>

**15)-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 chirality  
subjectgraphene oxide

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

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

**16)-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  
subjectbiosensing  
subjectnanophotonic  
subjectnanostructure  
subjectplasmonic nanoantennas  
subjectpolymer nanosphere arrays  
subjectsurface-enhanced Raman scattering

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

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

**17)-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.subjectAsubjectkineticssubjectnano-dendritesubjectoptical propertiessubjectsurface enhancement Raman scattering  
*Journal of electronic materials* 45 (2016): 2815–2825.  
<https://dx.doi.org/10.1007/s11664-016-4369-9>

**18)-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 Lamysubjecterssubjectplasmon red-shiftsubjectraman  
*Journal of physical chemistry. C* 120 (2016): 13675–13683.  
<https://dx.doi.org/10.1021/acs.jpcc.6b01492>

**19)-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>

**20)-Confined Water as Model of Supercooled Water**

Cervený, Silvína; Mallamace, Francesco; Swenson, Jan; Vogel, Michael; Xu, Limeisubjectsupercooled watersubjectconfined water  
*Chemical reviews* 116 (2016): 7608–7625.  
<https://dx.doi.org/10.1021/acs.chemrev.5b00609>

**21)-Dynamics of water clusters in solution with LiCl**

Corsaro, Carmelo; Mallamace, Domenico; Cicero, Nicola; Vasi, Sebastiano; Dugo, Giacomo; Mallamace, FrancescosubjectLithium chloridesubjectDynamical crossoversubjectWater solution  
*Physica. A (Print)* 442 (2016): 261–267.  
<https://dx.doi.org/10.1016/j.physa.2015.09.008>

**22)-HR-MAS and NMR towards Foodomics**

Corsaro, Carmelo; Cicero, Nicola; Mallamace, Domenico; Vasi, Sebastiano; Naccari, Clara; Salvo, Andrea; Giofre, Salvatore Vincenzo; Dugo, GiacomosubjectHR-MASsubjectNMRsubjectFoodomicssubjectMetabolic profile  
*Food research international* 89 (2016): 1085–1094.  
<https://dx.doi.org/10.1016/j.foodres.2016.09.033>

**23)-The role of water in the degradation process of paper using <sup>1</sup>H HR-MAS NMR spectroscopy**

Corsaro C.; Mallamace D.; Vasi S.; Pietronero L.; Mallamace F.; Missori M.subject<sup>1</sup>H HR-MAS NMR spectroscopy

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

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

**24)-Two dynamical crossovers in protein hydration water revealed by the NMR spin-spin relaxation time**

Mallamace, D.; Vasi, S.; Corsaro, C.subjectprotein hydration

*Il Nuovo cimento C (2009, Testo stamp.)* 39 (2016).

<https://dx.doi.org/10.1393/ncc/i2016-16306-x>

**25)-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, GiacomosubjectPCAsubjectICP-MSsubjectNubia Red

Garlicsubjectanticarcinogenesissubjectgeographic originsubjectmulti-element profile

*Foods* 5 (2016).

<https://dx.doi.org/10.3390/foods5010020>

**26)-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. EugenesubjectNUCLEAR-MAGNETIC-RESONANCESubjectSTOKES-EINSTEIN RELATIONsubjectDIELECTRIC-PROPERTIESsubjectSUPERCOOLED WATERsubjectRELAXATION PROCESSsubjectDYNAMIC CROSSOVERsubjectPHASE-TRANSITIONsubjectLIQUID METHANOLsubjectSELF-DIFFUSIONsubjectSPECTROSCOPY

*MRS Advances* 1 (2016): 1891–1902.

<https://dx.doi.org/10.1557/adv.2016.53>

**27)-HR-MAS and NMR towards Foodomics**

Corsaro; Carmelo; Cicero; Nicola; Mallamace; Domenico; Vasi; Sebastiano; Naccari; Clara; Salvo; Andrea; Giofre; Salvatore Vincenzo; Dugo; GiacomosubjectHR-MASsubjectNMRsubjectFoodomicssubjectMetabolic profilesubjectNUCLEAR-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>

**28)-NMR spectroscopy study of local correlations in water**

Mallamace; Francesco; Corsaro; Carmelo; Mallamace; Domenico; Vasi; Sebastiano; Stanley; H. Eugene  
subjectMAGNETIC-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>

**29)-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, Alessia  
subjectlight trappingsubjectmultiple scatteringsubjectRaman enhancementsubjectrandom fractalsubjectsilicon nanowires

*Light: Science & Applications* 5 (2016).

<https://dx.doi.org/10.1038/lsa.2016.62>

**30)-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>

**31)-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 cellsubjectageing effectssubjectelectric stresssubjectperformance 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/

**32)-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>

**33)-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 nanoparticles  
subjectSERS  
*Nanotechnology (Bristol. Print)* 27 (2016).  
<https://dx.doi.org/10.1088/0957-4484/27/37/375603>

**34)-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 bonds  
subjectDIOS  
subjectfood analysis  
*Journal of mass spectrometry (Print)* 51 (2016): 849–856.  
<https://dx.doi.org/10.1002/jms.3826>

**35)-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 Scanners  
subjectHeritages  
subjectwebgiss  
subjectAugmented Reality  
subjectcultural  
*Procedia: social & behavioral sciences* 223 (2016): 563–568.  
<https://dx.doi.org/10.1016/j.sbspro.2016.05.342>

**36)-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 Maria  
subjectVolatile thiol  
subjectSERS sensor  
subjectFiberoptics  
subjectPulsed laser depositions  
subjectChemical kinetics  
*Sensors and actuators. B, Chemical (Print)* 237 (2016): 545–555.  
<https://dx.doi.org/10.1016/j.snb.2016.06.143>

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

Mallamace, Francesco; Corsaro, Carmelo; Mallamace, Domenico; Vasi, Sebastiano; Vasi, Cirino; Stanley, H. Eugene  
subjecttransport properties  
subjectwater-glycerol solutions  
*The Journal of chemical physics* 144 (2016).  
<https://dx.doi.org/10.1063/1.4939087>

### 38)-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>

### 39)-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>

### 40)-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>

### 41)-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>

### 42)-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>

### 43)-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>

**44)-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)-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  
subjectCyclodextrinsubjectMagnetic NanoparticlessubjectAmiloid-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

### **2)-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  
subjectCyclodextrinssubjectNanomagnetssubjectbeta-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

### **3)-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  
subjectcyclodextrinssubjectPhotosensitiserssubjectTPPSsubjectantimicrobialssubjectPAT

*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:

#### **4)-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

#### **5)-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*

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22/09/2016/anno:2016/pagina\_da:126/pagina\_a:126/intervallo\_pagine:126–126

#### **6)-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>

info:cnr-pdr/source/autori: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/congresso\_nome:Materials.it 2016/congresso\_luogo:Aci Castello -

CT/congresso\_data:12-

16/12/2016/anno:2016/pagina\_da:324/pagina\_a:324/intervallo\_pagine:324-324

### 7)-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 bsubjectMagnetic NanoparticlessubjectAmphiphilic CyclodextrinssubjectAlzheimer DiseasesubjectAmyloid-?

*Materials.it*, pp. 297-298, *Aci Castello (Catania)*, 12-15/12/2016

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15/12/2016/anno:2016/pagina\_da:297/pagina\_a:298/intervallo\_pagine:297-298

### 8)-Modeling of Enhanced Electromagnetic Fields in Plasmonic Nanostructures

Iati, Maria Antonia; Lidorikis, Elefterios; Saija, Rosalba**subjectenhancementsubjectelectromagnetic fieldssubjectplasmonics**

*Handbook of enhanced spectroscopy*, edited by Pietro G. Gucciardi, Marc Lamy de la Chapelle, Nathalie Lidgi-Guigui, pp. 101-139. Singapore: Pan Stanford Publishing Pte. Ltd, 2016

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/anno:2016

### 9)-Polarized Surface-Enhanced Raman Scattering

Fazio, Barbara; Foti, Antonino; D'Andrea, Cristiano; Messina, Elena; Irrera, Alessia; Marago, Onofrio Maria; Gucciardi, Pietro **Giuseppesubjectplasmonicasubjecterssubjectramansubjectpolarization**

*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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/anno:2016