

## Peer-reviewed journal articles

### 1)-Surface chemical functionalisation of epoxy photoresist-based microcantilevers with organic-coated TiO<sub>2</sub> nanocrystals

Ingresso C 1; Sardella E 2; Keller SS 3; Striccoli M 1; Agostiano A 1; Boisen A 3; Curri ML 1  
subjectIRON-OXIDE NANOCRYSTALS; SU-8 CANTILEVERS; FABRICATION; PROBES  
*Micro & nano letters* 7 (2012): 337–342.

<https://dx.doi.org/10.1049/mnl.2011.0673>

### 2)-Incorporation of the bacterial reaction centre into dendrimersomes

Giustini, M (Giustini, Mauro)1,2; Bellinazzo, C (Bellinazzo, Cristina)1,2; Galantini, L (Galantini, Luciano)1,2; Mallardi, A (Mallardi, Antonia)3; Palazzo, G (Palazzo, Gerardo)4; Sennato, S (Sennato, Simona)5,6; Bordi, F (Bordi, Federico)5,6; Rissanen, K (Rissanen, Kari)7  
*Colloids and surfaces. A, Physicochemical and engineering aspects (Print)* 413 (2012): 38.

<http://www.cnr.it/prodotto/i/196196>

info:cnr-pdr/source/autori:Giustini, M (Giustini, Mauro)1,2; Bellinazzo, C (Bellinazzo, Cristina)1,2; Galantini, L (Galantini, Luciano)1,2; Mallardi, A (Mallardi, Antonia)3; Palazzo, G (Palazzo, Gerardo)4; Sennato, S (Sennato, Simona)5,6; Bordi, F (Bordi, Federico)5,6; Rissanen, K (Rissanen, Kari)7/titolo:Incorporation of the bacterial reaction centre into dendrimersomes/

### 3)-Isolation of Squarebop I bacteriorhodopsin from biomass of coastal salterns

Lobasso S.(a); Lopalco P.(b); Angelini R.(a); Pollice A.(c); Laera G.(c); Milano F.(d); Agostiano A.(d; e); Corcelli A. (a; d)  
subjectRetinal proteinssubjectMicrofiltrationsubjectHollow fibersubjectHalophilic archaea

*Protein expression and purification (Print)* 84 (2012): 73–79.

<https://dx.doi.org/10.1016/j.pep.2012.04.017>

### 4)-Viva la differenza

Massimo Trotta e Luigi R. Ceci  
subjectDivulazione scientifica

*Sapere (Bari)* 78 (2012): 78–79.

<http://www.cnr.it/prodotto/i/274103>

info:cnr-pdr/source/autori:Massimo Trotta e Luigi R. Ceci/titolo:Viva la differenza/

### 5)-Colorimetric detection of sugars based on gold nanoparticle formation

Gerardo Palazzo; Laura Facchini; Antonia Mallardi

*Sensors and actuators. B, Chemical (Print)* 161 (2012): 366–371.

<http://www.cnr.it/prodotto/i/237237>

info:cnr-pdr/source/autori:Gerardo Palazzo, Laura Facchini, Antonia Mallardi/titolo:Colorimetric detection of sugars based on gold nanoparticle formation/

### 6)-Incorporation of the bacterial reaction centre into dendrimersomes

Mauro Giustini a; Cristina Bellinazzo a; Luciano Galantini a; Antonia Mallardi b; Gerardo Palazzo c; Simona Sennato d; Federico Bordi d; Kari Rissanen e  
*Colloids and surfaces. A, Physicochemical and engineering aspects (Print)* 413 (2012): 38–43.  
<http://www.cnr.it/prodotto/i/238849>

info:cnr-pdr/source/autori:Mauro Giustini a, Cristina Bellinazzo a, Luciano Galantini a, Antonia Mallardi b, Gerardo Palazzo c,  
Simona Sennato d, Federico Bordi d, Kari Rissanen e/titolo:Incorporation of the bacterial reaction centre into dendrimersomes/

**7)-Polymer-photosynthetic protein multilayer architectures for herbicide optical detection**

Mauro Giustini; Mattia Autullo; Mauro Mennuni; Gerardo Palazzo; Antonia Mallardi  
*Sensors and actuators. B, Chemical (Print)* 163 (2012): 69–75.  
<http://www.cnr.it/prodotto/i/237251>

info:cnr-pdr/source/autori:Mauro Giustini, Mattia Autullo, Mauro Mennuni, Gerardo Palazzo, Antonia Mallardi/titolo:Polymer-photosynthetic protein multilayer architectures for herbicide optical detection/

**8)-The Light-Activated Proton Pump Bop I of The Archaeon Haloquadratum walsbyi**

Simona Lobasso; Patrizia Lopalco; Rita Vitale; Matilde Sublimi Saponetti; Giuseppe Capitanio; Vincenzo Mangini; Francesco Milano; Massimo Trotta; Angela Corcellisubjectretinal protein  
*Photochemistry and photobiology* 88 (2012): 690–700.  
<https://dx.doi.org/10.1111/j.1751-1097.2012.01089.x>

**9)-Changes in morphology, cell wall composition and soluble proteome in Rhodobacter sphaeroides cells exposed to chromate**

Italiano F; Rinalducci S; Agostiano A; Zolla L; De Leo F; Ceci LR; Trotta MsubjectChromate reduction; Photosynthesis; Rhodobacter sphaeroides; Two-dimensional gel electrophoresis; Atomic force microscopy; Attenuated total reflection-fourier transformed infrared spectroscopy  
*BioMetals (Oxf.)* 25 (2012): 939–949.  
<https://dx.doi.org/10.1007/s10534-012-9561-7>

**10)-The reaction center is the sensitive target of the mercury (II) ion in intact cells of photosynthetic bacteria**

E. Asztalos; G. Sipka; M. Kis; M. Trotta; P. Maróti subjectBacterial photosynthesis; Intact cells; Reaction center; Antenna; Mercury contamination; Bacteriochlorophyll spectroscopy  
*Photosynthesis research (Print)* 112 (2012): 129–140.  
<https://dx.doi.org/10.1007/s11120-012-9749-2>

**11)-Oxidoreductase activity of chromatophores and purified cytochrome bc 1 complex from Rhodobacter sphaeroides: a possible role of cardiolipin**

Lucia Catucci; Vincenzo De Leo; Francesco Milano; Livia Giotta; Rita Vitale; Angela Agostiano; Angela CorcellisubjectRhodobacter sphaeroides; Osmotic stress; Cardiolipin; Oxidoreductase activity; Cytochrome bc(1) complex

*Journal of bioenergetics and biomembranes (Dordr., Online) 44 (2012): 487–493.*  
<https://dx.doi.org/10.1007/s10863-012-9447-y>

**12)-Un dono dai funghi: le idrofobine**

Massimo Trotta; Luigi R. Ceci e Andrea Ventrella  
subjectDivulazione scientifica  
*Sapere (Bari) 78 (2012): 78–79.*  
<http://www.cnr.it/prodotto/i/274107>

info:cnr-pdr/source/autori:Massimo Trotta, Luigi R. Ceci e Andrea Ventrella/titolo:Un dono dai funghi: le idrofobine/

**13)-Il bisturi molecolare**

Massimo Trotta e Luigi R. Ceci  
subjectDivulazione scientifica  
*Sapere (Bari) 78 (2012): 68–69.*  
<http://www.cnr.it/prodotto/i/274108>

info:cnr-pdr/source/autori:Massimo Trotta e Luigi R. Ceci/titolo:Il bisturi molecolare/

**14)-Piccoli grandi demolitori**

Massimo Trotta; Luigi R. Ceci  
*Sapere (Bari) 78 (2012): 110–111.*  
<http://www.cnr.it/prodotto/i/274109>

info:cnr-pdr/source/autori:Massimo Trotta, Luigi R. Ceci/titolo:Piccoli grandi demolitori/

**15)-Enhancing the Light Harvesting Capability of a Photosynthetic Reaction Center by a Tailored Molecular Fluorophore**

Francesco Milano; Rocco Roberto Tangorra; Omar Hassan Omar; Roberta Ragni; Alessandra Operamolla; Angela Agostiano; Gianluca M Farinola; Massimo Trotta  
subjectPhotosynthesis  
subjectArtificial Photosynthesis  
subjectBiohybrid organic-biological systems  
*Angewandte Chemie (Int. ed., Print) 51 (2012): 11019–11023.*  
<https://dx.doi.org/10.1002/anie.201203404>

**16)-Phospholipid film in electrolyte-gated organic field-effect transistors**

Serafina Cotrone a; Marianna Ambrico b; Henrik Toss c; M. Daniela Angione a; Maria Magliulo a; Antonia Mallardi d; Magnus Berggren c; Gerardo Palazzo a; Gilles Horowitz e; Teresa Ligonzo f; Luisa Torsi a  
subjectElectrolyte-gated field-effect transistor  
subjectPhospholipid layers  
subjectPoly-3-hexyl-thiophene (P3HT)  
subjectElectrochemical impedance spectroscopy  
*Organic electronics (Print) 13 (2012): 638–644.*  
<https://dx.doi.org/10.1016/j.orgel.2012.01.002>

**17)-Phase Transfer of CdS Nanocrystals Mediated by Heptamine beta-Cyclodextrin**

Depalo; Nicoletta; Comparelli; Roberto; Huskens; Jurriaan; Ludden; Manon J. W.; Perl; Andras; Agostiano; Angela; Striccoli; Marinella; Curri; M. Lucia; subject MULTIVALENT SUPRAMOLECULAR INTERACTIONS; subject HOST-GUEST INTERACTIONS; subject QUANTUM DOTS; subject MOLECULAR PRINTBOARDS; subject ALPHA-CYCLODEXTRIN; subject WATER; subject GOLD; subject THERMODYNAMICS; subject NANOPARTICLES; subject RECOGNITION  
*Langmuir* 28 (2012): 8711–8720.  
<https://dx.doi.org/10.1021/la3007469>

**18)-Percolating networks of TiO<sub>2</sub> nanorods and carbon for high power lithium insertion electrodes**

Bresser Dominic; Paillard Elie; Binetti Enrico; Krueger Steffen; Striccoli Marinella; Winter Martin; Passerini Stefano  
*Journal of power sources (Print)* 206 (2012): 301–309.  
<https://dx.doi.org/10.1016/j.jpowsour.2011.12.051>

**19)-Spectroscopic Study on Imidazolium-Based Ionic Liquids: Effect of Alkyl Chain Length and Anion**

Binetti; Enrico; Panniello; Annamaria; Triggiani; Leonardo; Tommasi; Raffaele; Agostiano; Angela; Curri; Maria Lucia; Striccoli; Marinella  
*The journal of physical chemistry. B* 116 (2012): 3512–3518.  
<https://dx.doi.org/10.1021/jp300517h>

**20)-Surface chemical functionalization of single walled carbon nanotubes with a bacteriorhodopsin mutant**

Ingrosso; C.; Bianco; G.V.; Lopalco; P.; Tamborra; M.; Curri; M.L.; Corcelli; A.; Bruno; G.; Agostiano; A.; Siciliano; P.; Striccoli; M.  
*Nanoscale (Print)* 4 (2012): 6434–6441.  
<https://dx.doi.org/10.1039/c2nr31999c>

**21)-Near Infrared Emission from Monomodal and Bimodal PbS Nanocrystal Superlattices**

Corricelli, M (Corricelli, Michela)<sup>1</sup>; Enrichi, F (Enrichi, Francesco)<sup>3,4</sup>; Altamura, D (Altamura, Davide)<sup>5</sup>; De Caro, L (De Caro, Liberato)<sup>5</sup>; Giannini, C (Giannini, Cinzia)<sup>5</sup>; Falqui, A (Falqui, Andrea)<sup>6</sup>; Agostiano, A (Agostiano, Angela)<sup>1,2</sup>; Curri, ML (Curri, M. Lucia)<sup>1</sup>; Striccoli, M (Striccoli, Marinella)<sup>1</sup>; subject TIME-RESOLVED PHOTOLUMINESCENCE; LIGHT-EMITTING-DIODES; QUANTUM DOTS; SEMICONDUCTOR NANOCRYSTALS; MONODISPERSE NANOCRYSTALS; BINARY SUPERLATTICES; POLYMER; ELECTROLUMINESCENCE; SPECTROSCOPY; PBSE/PBS  
*The Journal of Physical Chemistry C* 116 (2012): 6143–6152.  
<http://www.cnr.it/prodotto/i/190596>

info:cnr-pdr/source/autori:Corricelli, M (Corricelli, Michela)1; Enrichi, F (Enrichi, Francesco)3,4; Altamura, D (Altamura, Davide)5; De Caro, L (De Caro, Liberato)5; Giannini, C (Giannini, Cinzia)5; Falqui, A (Falqui, Andrea)6; Agostiano, A (Agostiano, Angela)1,2; Curri, ML (Curri, M. Lucia)1; Striccoli, M (Striccoli, Marinella)1/titolo:Near Infrared Emission from Monomodal and Bimodal PbS Nanocrystal Superlattices/

**22)-Polyelectrolyte Multilayers As a Platform for Luminescent Nanocrystal Patterned Assemblies**

Fanizza; Elisabetta; Altomare; Michele; Di Mauro; A. Evelyn; Del Sole; Teresa; Corricelli; Michela; Depalo; Nicoletta; Comparelli; Roberto; Agostiano; A.; Striccoli; Marinella; Curri; M. Lucia  
subjectQUARTZ-CRYSTAL MICROBALANCE  
subjectCHEMICAL-VAPOR-DEPOSITION  
subjectCDSE/ZNS QUANTUM DOT  
subjectSEMICONDUCTOR NANOCRYSTALS  
subjectWATER  
subjectMONOLAYERS  
subjectFILMS  
subjectNANOPARTICLES  
subjectSILICON  
subjectADSORPTION

*Langmuir* 28 (2012): 5964–5974.

<https://dx.doi.org/10.1021/la300213n>

**23)-Bromopyruvate mediates autophagy and cardiolipin degradation to monolysocardiolipin in GL15 glioblastoma cells**

Davidescu, Magdalena; Sciacaluga, Miriam; MacChioni, Lara; Angelini, Roberto; Lopalco, Patrizia; Rambotti, Maria Grazia; Roberti, Rita; Corcelli, Angela; Castigli, Emilia; Corazzi, L.  
subjectAutophagy  
subjectBromopyruvate  
subjectCardiolipin  
subjectCytochrome c  
subjectGlioblastoma cell  
subjectLyso-cardiolipin

*Journal of bioenergetics and biomembranes* 44 (2012): 51–60.

<https://dx.doi.org/10.1007/s10863-012-9411-x>

**24)-Novel ether lipid cardiolipins in archaeal membranes of extreme haloalkaliphiles**

Angelini, Roberto; Corral, Paulina; Lopalco, Patrizia; Ventosa, Antonio; Corcelli, Angela  
subjectArchaea  
subjectCardiolipin  
subjectEther lipid  
subjectIsoprenoid chain  
subjectMALDI-TOF/MS  
subjectNatronococcus

*Biochimica et biophysica acta. Biomembranes* 1818 (2012): 1365–1373.

<https://dx.doi.org/10.1016/j.bbamem.2012.02.014>

**25)-Morphology, biophysical properties and protein-mediated fusion of archaeosomes**

Sustar, Vid; Zelko, Jasna; Lopalco, Patrizia; Lobasso, Simona; Ota, Ajda; Ulrih, Nataša Poklar; Corcelli, Angela; Kralj-Iglič, Veronika

*PloS one* 7 (2012).

<https://dx.doi.org/10.1371/journal.pone.0039401>

**26)-Coupled TLC and MALDI-TOF/MS analyses of the lipid extract of the hyperthermophilic archaeon pyrococcus furiosus**

Lobasso, Simona; Lopalco, Patrizia; Angelini, Roberto; Vitale, Rita; Huber, Harald; Müller, Volker Steffen; Corcelli, Angela

*Archaea* 2012 (2012).

<https://dx.doi.org/10.1155/2012/957852>

**27)-Lipidomics of intact mitochondria by MALDI-TOF/MS**

Angelini, Roberto; Vitale, Rita; Patil, Vinay A.; Cocco, Tiziana; Ludwig, Bernd; Greenberg, Miriam L.; Corcelli, Angelasubject9-AminoacridinesubjectCardiolipinsubjectHearts subjectMatrix-assisted laser desorption/ionization time-of-flight mass spectrometrysubjectParacoccus denitrificanssubjectYeast

*Journal of lipid research (Print)* 53 (2012): 1417–1425.

<https://dx.doi.org/10.1194/jlr.D026203>

**28)-SPECIAL SECTION: MICRO AND NANO TECHNOLOGIES FOR PROBE-BASED MICROSCOPY**

Curri, Lucia; Fedder, Gary; Pruitt, Beth L.

*Micro & nano letters* 7 (2012): 296–296.

<https://dx.doi.org/10.1049/mnl.2012.0244>

**29)-Meso-Crystallographic Study of a Three-Dimensional Self-Assembled Bimodal Nanocrystal Superlattice**

Altamura, Davide; De Caro, Liberato; Corricelli, Michela; Falqui, Andrea; Striccoli, Marinella; Curri, M. Lucia; Giannini, Cinzia

*Crystal growth & design* 12 (2012): 1970–1976.

<https://dx.doi.org/10.1021/cg201682s>

**30)-Nanocrystalline TiO<sub>2</sub> based films onto fibers for photocatalytic degradation of organic dye in aqueous solution**

2) Panniello A.; 2) Curri L.; 4) Diso D.; 4) Licciulli A.; 1) Locaputo V.; 2-3) Agostiano A.; 2) Comparelli R.; 1) Mascolo G.subjectTiO<sub>2</sub> colloidal nanocrystalssubjectTiO<sub>2</sub> Degussa P25subjectSupported nano-sized TiO<sub>2</sub>subjectDegradation of organic dye

*Applied catalysis. B, Environmental (Print)* 121-122 (2012): 190–197.

<https://dx.doi.org/10.1016/j.apcatb.2012.03.019>

**31)-Instrumental and multivariate statistical analyses for the characterisation of the geographical origin of Apulian virgin olive oils**

Longobardi, F.; Ventrella, A.; Casiello, G.; Sacco, D.; Catucci, L.; Agostiano, A.; Kontominas, M. G.subjectVirgin olive oilsubjectOil quality parameterssubjectMultivariate statistical analysissubjectGeographical origin

*Food chemistry* 133 (2012): 579–584.

<https://dx.doi.org/10.1016/j.foodchem.2012.01.059>

**32)-Light induced transmembrane proton gradient in artificial lipid vesicles reconstituted with photosynthetic reaction centers**

Francesco Milano; Massimo Trotta; Márta Dorogi; Béla Fischer; Livia Giotta; Angela Agostiano; Péter Maróti; László Kálmán; László Nagy  
subjectReaction centers  
subjectProton motive forces  
subjectIonophores  
subjectPyranine

*Journal of bioenergetics and biomembranes (Dordr., Online) 44 (2012): 373–384.*

<https://dx.doi.org/10.1007/s10863-012-9435-2>

### **33)-Interfacial electronic effects in functional bilayers integrated into organic field-effect transistors**

Angione, Maria Daniela; Cotrone, Serafina; Magliulo, M (Magliulo, Maria)<sup>1</sup>; Mallardi, A (Mallardi, Antonia)<sup>3</sup>; Altamura, D (Altamura, Davide)<sup>2</sup>; Giannini, C (Giannini, Cinzia)<sup>2</sup>; Cioffi, N (Cioffi, Nicola)<sup>1</sup>; Sabbatini, L (Sabbatini, Luigia)<sup>1</sup>; Fratini, E (Fratini, Emiliano)<sup>4,5</sup>; Baglioni, P (Baglioni, Piero)<sup>4,5</sup>; Scamarcio, G (Scamarcio, Gaetano)<sup>1,6</sup>; Palazzo, G (Palazzo, Gerardo)<sup>1</sup>; Torsi, L (Torsi, Luisa)<sup>1,2</sup>  
subjectorganic electronics | analytical bioassay | electronic biodetection

*Proceedings of the National Academy of Sciences of the United States of America 27 (2012): 911–916.*

<https://dx.doi.org/10.1073/pnas.1200549109>

### **34)-Near Infrared Emission from Monomodal and Bimodal PbS Nanocrystal Superlattices**

Corricelli, Michela; Enrichi, Francesco; Altamura, Davide; De Caro, Liberato; Giannini, Cinzia; Falqui, Andrea; Agostiano, Angela; Curri, M. Lucia; Striccoli, Marinella  
subjectnear infrareds  
subjectPbS  
subjectnanocrystals

*Journal of physical chemistry. C 116 (2012): 6143–6152.*

<https://dx.doi.org/10.1021/jp300509f>

### **35)-Nanocomposites based on highly luminescent nanocrystals and semiconducting conjugated polymer for inkjet printing**

Binetti E; Ingrosso C; Striccoli M; Cosma P; Agostiano A; Pataky K; Brugger J; Curri M  
L  
subject.

*Nanotechnology (Bristol, Online) 23 (2012).*

<http://www.cnr.it/prodotto/i/274023>

info:cnr-pdr/source/autori:Binetti E, Ingrosso C, Striccoli M, Cosma P, Agostiano A, Pataky K, Brugger J, Curri M L/titolo:Nanocomposites based on highly luminescent nanocrystals and semiconducting conjugated polymer for inkjet printing/

### **36)-Nanosized optoelectronic devices based on photoactivated proteins**

Alice Dimonte; Stefano Frache; Victor Erokhin; Gianluca Piccinini; Danilo Demarchi; Francesco Milano; Giovanni De Micheli; Sandro Carrara  
subjectActive molecul  
subjectBacteriorhodopsin (bR)  
subjectCharge separation  
subjectContact point  
subjectDrop casting

*Biomacromolecules 13 (2012): 3503–3509.*

<https://dx.doi.org/10.1021/bm301063m>

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

### 1)-Space resolved relaxation dynamics of poly(vinyl acetate) close to interfaces with SiOx nanoinclusions

M. Labardi; D. Prevosto; H.K. Nguyen; M. Lucchesi; E. Fanizza; N. Depalo; M. Striccoli  
*6th International Conference on Times of Polymers (TOP) and Composites*, pp. 217, Ischia (NA)  
Italy, 10/06/2012

<https://dx.doi.org/10.1063/1.4738448>

info:cnr-pdr/source/autori:M. Labardi, D. Prevosto, H.K. Nguyen, M. Lucchesi, E. Fanizza, N. Depalo, M. Striccoli/congresso\_nome:6th International Conference on Times of Polymers (TOP) and Composites/congresso\_luogo:Ischia (NA) Italy/congresso\_data:10/06/2012/anno:2012/pagina\_da:217/pagina\_a:/intervallo\_pagine:217

### 2)-Biosensors Based on Immobilization of Proteins in Supramolecular Assemblies for the Detection of Environmental Relevant Analytes

Rosa Pilolli a; Maria Daniela Angione a; Serafina Cotrone a; Maria Magliulo a; Gerardo Palazzo a; Nicola Cioffi a; Luisa Torsi a; Antonia Mallardi b.

*Biosensors and environmental health*, edited by Victor R. Preedy and Vinood Patel Editors; CRC Press, pp. 209–229, 2012

<http://www.cnr.it/prodotto/i/238843>

info:cnr-pdr/source/autori:Rosa Pilolli a; Maria Daniela Angione a; Serafina Cotrone a; Maria Magliulo a; Gerardo Palazzo a; Nicola Cioffi a; Luisa Torsi a; and Antonia Mallardi b./titolo:Biosensors Based on Immobilization of Proteins in Supramolecular Assemblies for the Detection of Environmental Relevant Analytes/titolo\_volume:Biosensors and environmental health/curatori\_volume:Victor R. Preedy and Vinood Patel Editors; CRC Press/editore:/anno:2012

### 3)-Artificial Photosynthetic Systems

P. Maróti; M. Trotta/subjectArtificial Photosynthesis

*CRC Handbook of Organic Photochemistry and Photobiology 3rd Edition*, edited by Axel Griesbeck, Michael Oelgemöller and Francesco Ghetti, pp. 1289–1324. Boca Raton: CRC press, 2012

<https://dx.doi.org/10.1201/b12252-56>

info:cnr-pdr/source/autori:P. Maróti, M. Trotta/titolo:Artificial Photosynthetic Systems/titolo\_volume:CRC Handbook of Organic Photochemistry and Photobiology 3rd Edition/curatori\_volume:Axel Griesbeck, Michael Oelgemöller and Francesco Ghetti/editore:

/anno:2012

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

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

*Congresso Annuale Società Italiana di FotoBiologia, Padova, 14-16 giugno 2012*

<http://www.cnr.it/prodotto/i/274141>

info:cnr-pdr/source/autori:R. Tangorra, F. Milano, O. Hassan Omar, R. Ragni, A. Operamolla, A. Agostiano, G.M. Farinola and M. Trotta/congresso\_nome:Congresso Annuale Società Italiana di FotoBiologia/congresso\_luogo:Padova/congresso\_data:14-16 giugno 2012/anno:2012/pagina\_da:/pagina\_a:/intervallo\_pagine:

**5)-A bio-organic hybrid photosynthetic complex for enhanced photoconversion**

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

*ELECMOL'12: 6th International Meeting on Molecular Electronics, Grenoble (Fr), 3-7 dicembre*

<http://www.cnr.it/prodotto/i/274148>

info:cnr-pdr/source/autori:G.M. Farinola, R. Tangorra, F. Milano, O. Hassan Omar, R. Ragni, A. Operamolla, A. Agostiano, M. Trotta/congresso\_nome:ELECMOL'12: 6th International Meeting on Molecular Electronics/congresso\_luogo:Grenoble (Fr)/congresso\_data:3-7 dicembre/anno:2012/pagina\_da:/pagina\_a:/intervallo\_pagine:

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

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

*European Society for Photobiology - ESP PHOTOBIOLOGY SCHOOL, Brixen/Bressanone, 18-23 giugno*

<http://www.cnr.it/prodotto/i/274153>

info:cnr-pdr/source/autori:R. Tangorra, F. Milano, O. Hassan Omar, R. Ragni, A. Operamolla, A. Agostiano, G.M. Farinola and M. Trotta/congresso\_nome:European Society for Photobiology - ESP PHOTOBIOLOGY SCHOOL/congresso\_luogo:Brixen/Bressanone/congresso\_data:18-23 giugno/anno:2012/pagina\_da:/pagina\_a:/intervallo\_pagine:

**7)-Assembly of gold nanorods for highly sensitive detection of heavy metals**

Placido; Tiziana; Comparelli; Roberto; Striccoli; Marinella; Agostiano; Angela; Merkoci; Arben; Lucia Curri; M.subjectMERCURY IONSsubjectNANOPARTICLES

*11th IEEE Sensors Conference, pp. 672-675, Taipei, TAIWAN., OCT 28-31, 2012*

[urn:isbn:978-1-4577-1766-6](https://doi.org/10.1007/978-1-4577-1766-6)

info:cnr-pdr/source/autori:Placido, Tiziana and Comparelli, Roberto and Striccoli, Marinella and Agostiano, Angela and Merkoci, Arben and Lucia Curri, M./congresso\_nome:11th IEEE Sensors Conference/congresso\_luogo:Taipei, TAIWAN,/congresso\_data:OCT 28-31, 2012/anno:2012/pagina\_da:672/pagina\_a:675/intervallo\_pagine:672-675

**8)-Patent number WO2012163426: ELECTRODE MATERIAL FOR LITHIUM AND LITHIUM ION BATTERIES**

WO2012163426:, *Internazionale*

<http://patentscope.wipo.int/search/en/WO2012163426>

**9)-Photocatalytic activity of TiO<sub>2</sub> based nanocatalyst for antibiotic degradation**

Petronella F and Diomede S and Mascolo G and Agostiano A and Curri M L and COMPARELLI R.

*SPEA 7, Porto, PT, 2012*

<http://www.cnr.it/prodotto/i/274977>

info:cnr-pdr/source/autori:Petronella F and Diomede S and Mascolo G and Agostiano A and Curri M L and COMPARELLI R./congresso\_nome:SPEA 7/congresso\_luogo:Porto, PT/congresso\_data:2012/anno:2012/pagina\_da:/pagina\_a:/intervallo\_pagine:

**10)-Photocatalytic nanostructured TiO<sub>2</sub> for protection of porous and compact stone**

A. Pagliarulo; F. Petronella; A. Licciulli; A. Rocca; D. Diso; A. Calia; M. Lettieri; D. Colangiuli; A. Agostiano; M. L. Curri; R. Comparelli/subject:TiO<sub>2</sub> nanocrystals/subject:hydrophilic and hydrophobic treatment/subject:calcareous stone/subject:cultural heritage.

*12th International Congress on the Deterioration and Conservation of Stone, New York, 22 - 26 October 2012*

<http://iscs.icomos.org/pdf-files/NewYorkConf/pagletal.pdf>

info:cnr-pdr/source/autori:A. Pagliarulo, F. Petronella, A. Licciulli, A. Rocca, D. Diso, A. Calia, M. Lettieri, D. Colangiuli, A. Agostiano, M. L. Curri, R. Comparelli/congresso\_nome:12th International Congress on the Deterioration and Conservation of Stone/congresso\_luogo:New York/congresso\_data:22 - 26 October 2012/anno:2012/pagina\_da:/pagina\_a:/intervallo\_pagine:

**11)-Nanomaterial Characterization By Electron Microscopy**

Roberto Comparelli

*School on "Synthesis and Characterization of Novel Nano-Sized Inorganic Materials", Bari (Italy), 17-22 June*

<http://www.cnr.it/prodotto/i/312507>

info:cnr-pdr/source/autori:Roberto Comparelli/congresso\_nome:School on "Synthesis and Characterization of Novel Nano-Sized Inorganic Materials"/congresso\_luogo:Bari (Italy)/congresso\_data:17-22 June/anno:2012/pagina\_da:/pagina\_a:/intervallo\_pagine:

### **12)-Surface-Functionalized Inorganic Colloidal Nanocrystals in Functional Nanocomposite Materials for Microfabrication**

Ingrosso, Chiara; Striccoli, Marinella; Agostiano, A.; Curri, Maria Lucia  
subjectBottom-Up approachsubjectColloidal nanocrystalssubjectColloidal nanoparticlessubjectNanocompositesubjectPolymersubjectTop-Down approach

*Molecules at Work: Selfassembly, Nanomaterials, Molecular Machinery* (ed B. Pignataro), edited by B. Pignataro, pp. 263–283. Weinheim: Wiley-VCH Verlag GmbH & Co. KGaA, 2012  
<https://dx.doi.org/10.1002/9783527645787.ch12>

info:cnr-pdr/source/autori:Ingrosso, Chiara; Striccoli, Marinella; Agostiano, A.; Curri, Maria Lucia/titolo:Surface-Functionalized Inorganic Colloidal Nanocrystals in Functional Nanocomposite Materials for Microfabrication/titolo\_volume:Molecules at Work: Selfassembly, Nanomaterials, Molecular Machinery (ed B. Pignataro)/curatori\_volume:B. Pignataro/editore:

/anno:2012

### **13)-Degradation of iodinated contrast media by solar photo-fenton and photocatalysis with supported TiO<sub>2</sub>**

Mascolo G.; Murgolo S.; Lorusso E.; Comparelli R.; Curri M.L.; Gerbasi R.; Visentin F.  
subjectinquinanti organici; processi di ossidazione; trattamento acque

*XIII congresso nazionale di chimica dell ambiente e dei beni culturali*, pp. 51–51, Taranto, 10/09/2012

[http://www.socchimdabc.it/documenti/congresso\\_2012\\_cabc/libro\\_degli\\_atti\\_XIII.pdf](http://www.socchimdabc.it/documenti/congresso_2012_cabc/libro_degli_atti_XIII.pdf)

info:cnr-pdr/source/autori:Mascolo G.; Murgolo S.; Lorusso E.; Comparelli R.; Curri M.L.; Gerbasi R.; Visentin F./congresso\_nome:XIII congresso nazionale di chimica dell ambiente e dei beni culturali/congresso\_luogo:Taranto/congresso\_data:10/09/2012/anno:2012/pagina\_da:51/pagina\_a:51/intervallo\_pagine:51–51