

Peer-reviewed journal articles

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

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

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

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

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

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

Materials (Basel) 11 (2018): 307–325.

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

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

De Leo, Vincenzo; Milano, Francesco; Mancini, Erminia; Comparelli, Roberto; Giotta, Livia; Nacci, Angelo; Longobardi, Francesco; Garbetta, Antonella; Agostiano, Angela; Catucci, LuciaSUBJECTColonic drug deliverySUBJECTCurcuminSUBJECTEudragit S100SUBJECTNanoliposomesSUBJECTPH jump methodSUBJECTTEAC

Molecules (Basel, Online) 23 (2018).

<https://dx.doi.org/10.3390/molecules23040739>

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

Milano, Francesco; Tangorra, Roberto R.; Agostiano, Angela; Giotta, Livia; De Leo, Vincenzo; Ciriaco, Fulvio; Trotta, MassimoSUBJECTRHODOBACTER-SPHAEROIDES R-26SUBJECTBACTERIAL REACTION CENTERS

MRS Advances 3 (2018): 1497–1507.

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

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

Alessandra Truppi; Manuel Luna; Francesca Petronella; Aurelia Falcicchio; Cinzia Giannini; Roberto Comparelli; Maria J. MosqueraSUBJECTnanocompositesSUBJECTphotocatalitic materials

Coatings (Basel) 8 (2018).

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

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

Mallardi A1; Nuzziello N2; Liguori M3; Avolio C4; Palazzo G5.SUBJECTExtracellular vesiclesSUBJECTExosomesSUBJECTNanoplasmonic assaySUBJECTGold nanoparticlesSUBJECTMultiple sclerosis

Colloids and surfaces. B, Biointerfaces (Print) 168 (2018): 134–142.

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

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

Italiano F.; Agostiano A.; Belviso B.D.; Caliandro R.; Carrozzini B.; Comparelli R.; Melillo M.T.; Mesto E.; Tempesta G.; Trotta M.SUBJECTGold nanoparticlesSUBJECTExtracellular biosynthesisSUBJECTGreen synthesisSUBJECTRhodobacter sphaeroidesSUBJECTNitrophenol degradation

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

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

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

Pezzi, Luigia; De Sio, Luciano; Placido, Tiziana; Comparelli, Roberto; Umeton, CesareSUBJECTPlasmonic NanoparticlesSUBJECTGold NanorodsSUBJECTLiquid Crystals

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

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

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

Corcione, Carola Esposito; Ingrosso, Chiara; Petronella, Francesca; Comparelli, Roberto; Striccoli, Marinella; Agostiano, Angela; Frigione, Mariaenrica; Curri, M. LuciaSUBJECTHybrid methacrylic-siloxane resinSUBJECTColloidal TiO₂ nanorodsSUBJECTNanocompositeSUBJECTStone protectionSUBJECTSelf-cleaningSUBJECTUV-vis light polymerization

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

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

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

De Leo, Vincenzo; Ruscigno, Silvia; Trapani, Adriana; Di Gioia, Sante; Milano, Francesco; Mandracchia, Delia; Comparelli, Roberto; Castellani, Stefano; Agostiano, Angela; Trapani, Giuseppe; Catucci, Lucia; Conese, MassimoSUBJECTDrug-loaded liposomesSUBJECTMicelle-to-vesicle transition methodSUBJECTBeclometasone dipropionateSUBJECTPulmonary deliverySUBJECTCytotoxicitySUBJECTCOPD patient mucus-penetration

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

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

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

Gubitosa, Jennifer; Rizzi, Vito; Lopedota, Angela; Fini, Paola; Laurenzana, Anna; Fibbi, Gabriella; Fanelli, Fiorenza; Petrella, Andrea; Laquintana, Valentino; Denora, Nunzio; Comparelli, Roberto; Cosma, PinalysaSUBJECTGold nanoparticlesSUBJECTSunscreensSUBJECTAntioxidantsSUBJECTPunica Granatum JuiceSUBJECTGreen synthesisSUBJECTNanomaterials

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

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

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

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

ACS omega 3 (2018): 4959–4967.

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

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

Bettazzi, Francesca; Laschi, Serena; Voccia, Diego; Gellini, Cristina; Pietraperzia, Giangaetano; Falciola, Luigi; Pifferi, Valentina; Testolin, Anna; Ingrosso, Chiara; Placido, Tiziana; Comparelli, Roberto; Curri, M. Lucia; Palchetti, IlariaSUBJECTPhotoelectrochemicalSUBJECTNanostructured TiO₂SUBJECTAu nanorodsSUBJECTNucleic acidSUBJECTAscorbic acidSUBJECTSmall RNAs

Electrochimica acta 276 (2018): 389–398.

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

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

Francesco Milano; Livia Giotta; Daniela Chirizzi; Simos Papazoglou; Christina Kryou; Annarita De Bartolomeo; Vincenzo De Leo; Maria Guascito; Ioanna ZergiotiSUBJECTscreen printed electrodes;SUBJECTlaser printing;SUBJECTLIFTSUBJECTglucoseSUBJECTbiosensor

Biosensors (Basel) 8 (2018).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

/anno:2018

3)-Photosynthesis Without the Organisms: The Bacterial Chromatophores

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

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

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

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

/anno:2018

4)-Sorafenib loaded SLN magnetically targeting hepatoma

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

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

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

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