

Peer-reviewed journal articles

1)-Development and characterization of novel agar and gelatin injectable hydrogel as filler for peripheral nerve guidance channels

Tonda-Turo, Chiara; Gnavi, Sara; Ruini, F.; Gambarotta, Giovanna; Gioffredi, Emilia; Chiono, Valeria; Perroteau, Isabelle; Ciardelli, Gianluca
subjectAgarsubjectGelatin
subjectGlial-like cellssubjectHydrogelsubjectInjectables
subjectPeripheral nerve regeneration

Journal of tissue engineering and regenerative medicine (2017).

<https://dx.doi.org/10.1002/term.1902>

2)-A new supported TiO₂ film deposited on stainless steel for the photocatalytic degradation of contaminants of emerging concern

Murgolo S.; Yargeau V.; Gerbasi R.; Visentin F.; El Habra N.; Ricco G.; Lacchetti I.; Carere M.; Curri M.L.; Mascolo G.
subjectTiO₂-based nanostructured catalysts
subjectContaminants of Emerging Concerns
subjectElectrical Energy per OrdersubjectPhotocatalysissubjectToxicity
subjectTransformation Products.

Chemical engineering journal (Print) 318 (2017): 103–111.

<https://dx.doi.org/10.1016/j.cej.2016.05.125>

3)-Silibinin-conjugated graphene nanoplatform: Synthesis, characterization and biological evaluation

Giulia Neri; Nicola Micale; Angela Scala; Enza Fazio; Antonino Mazzaglia; Placido G. Mineo; Monica Montesi; Silvia Panseri; Anna Tampieri; Giovanni Grassi; Anna Piperno
subjectSilibininsubjectGraphenesubjectBioconjugationsubjectClick chemistry
subjectOsteosarcoma

Flatchem 1 (2017): 34–41.

<https://dx.doi.org/10.1016/j.flatc.2016.10.002>

4)-Green Cleaning Procedures Based on Titania-Doped Cotton Textiles: Effect of Titania Textural Properties

G. Di Carlo; L. F. Liotta; G. Calogero; C. Giuliani; G. M. Ingo
subjectCotton Textile
subjectMesostructured TitaniasubjectPhotocatalytic Activity
subjectSelf-Cleaning Properties.

Journal of nanoscience and nanotechnology (Print) 17 (2017): 3842–3847.

<https://dx.doi.org/10.1166/jnn.2017.14001>

5)-Colloidal Nanocrystalline Semiconductor Materials as Photocatalysts for Environmental Protection of Architectural Stone

Francesca Petronella; Antonella Pagliarulo; Marinella Striccoli; Angela Calia; Mariateresa Lettieri; Donato Colangiuli; Maria Lucia Curri; Roberto Comparellis
subjectcolloidal nanocrystalssubjectphotocatalysissubjectlimestonesubjectcoatings
subjectself-cleaning
subjecthydrophobicity
subjectstone protection

Crystals (Basel) 7 (2017).

<https://dx.doi.org/10.3390/cryst7010030>

6)-Multifunctional TiO₂/Fe_xO_y/Ag based nanocrystalline heterostructures for photocatalytic degradation of a recalcitrant pollutant

F. Petronella; A. Truppi; C. Giannini; T. Sibillano; M. Striccoli; M.L. Curri; R. Comparelli subject nanocrystalline heterostructures

Catalysis Today 284 (2017): 100–106.

<https://dx.doi.org/10.1016/j.cattod.2016.11.025>

7)-MMT and LDH organo-modification with surfactants tailored for PLA nanocomposites

Coiai S.; Cicogna F.; de Santi A.; Perez Amaro L.; Spiniello R.; Signori F.; Fiori S.; Oberhauser W.; Passaglia E. subject nanocomposites subject MMT subject LDH subject PLA subject tailor-made polymer

Express polymer letters 11 (2017): 163–175.

<https://dx.doi.org/10.3144/expresspolymlett.2017.18>

8)-Gold nanoparticles functionalized with PEGylate uncharged porphyrins

P. Mineo a; b; c; d; A. Abbadessa a; A. Mazzaglia e; A. Gulinoa; d; V. Villari c; N. Micali c; S. Millesia; d; C. Satriano a; E. Scamporrino a subject Porphyrin; subject Gold; subject Singlet oxygen; subject Human neuroblastoma (SH-SY5Y)

Dyes and pigments 141 (2017): 225–234.

<https://dx.doi.org/10.1016/j.dyepig.2017.02.018>

9)-One-step electric-field driven methane and formaldehyde synthesis from liquid methanol

Cassone, Giuseppe; Pietrucci, Fabio; Saija, Franz; Guyot, Francois; Saitta, A. Marco subject AB-INITIO MOLECULAR-DYNAMICS; REACTION PATHWAYS; GAS-PHASE; OXIDATION; WATER; CATALYSTS

Chemical science (Camb. 2010. Print) 8 (2017): 2329–2336.

<https://dx.doi.org/10.1039/c6sc04269d>

10)-Integral equation study of soft-repulsive dimeric fluids.

Munao, Gianmarco; Saija, Franz subject thermodynamics subject integral equations subject anomalous behavior subject fluid structure

Journal of physics. Condensed matter (Online) 29 (2017): 115101.

<https://dx.doi.org/10.1088/1361-648X/aa5306>

11)-Stability of 2',3' and 3',5' cyclic nucleotides in formamide and in water: a theoretical insight into the factors controlling the accumulation of nucleic acid building blocks in a prebiotic pool

Cassone, Giuseppe; Sponer, Jiri; Saija, Franz; Di Mauro, Ernesto; Saitta, A. Marco; Sponer, Judit E. subject DENSITY-FUNCTIONAL THEORY; LIQUID FORMAMIDE; 2 subject 3-

CYCLIC NUCLEOTIDES; MOLECULAR-DYNAMICS; POLYMERIZATION; ORIGIN; SIMULATIONS

PCCP. Physical chemistry chemical physics (Print) 19 (2017): 1817–1825.

<https://dx.doi.org/10.1039/c6cp07993h>

12)-A non-invasive optical method for mapping temperature polarization in direct contact membrane distillation

Santoro S.; Vidorreta I.M.; Sebastian V.; Moro A.; Coelho I. M.; Portugal C. A. M.; Lima J. C.; Desiderio G.; Lombardo G.; Drioli E.; Mallada R.; Crespo J. G.; Criscuoli A.; Figoli A.subjectMembrane DistillationsubjectMDsubjectthermal membrane processsubjectDirect Contact Membrane

Journal of membrane science (Print) (2017).

<https://dx.doi.org/10.1016/J.MEMSCI.2017.05.001>

13)-New technique for femtosecond laser creation of clear corneal incisions for cataract surgery

Serrao, Sebastiano; Giannini, Daniela; Schiano-Lomoriello, Domenico; Lombardo, Giuseppe; Lombardo, Marcosubjectfemtosecond lasersubjectcataract incisionsubjectsurgery

Journal of cataract and refractive surgery 43 (2017): 80–86.

<https://dx.doi.org/10.1016/j.jcrs.2016.08.038>

14)-Two-photon optical microscopy imaging of endothelial keratoplasty grafts

Lombardo, Marco; Parekh, Mohit; Serrao, Sebastiano; Ruzza, Alessandro; Ferrari, Stefano; Lombardo, Giuseppe; Lombardo, Giuseppe subjectDescemet's membranesubjectEndothelial keratoplastysubjectTwo-photon optical microscopy

Graefe's archive for clinical and experimental ophthalmology 255 (2017): 575–582.

<https://dx.doi.org/10.1007/s00417-016-3543-3>

15)-Biomechanical Strengthening of the Human Cornea Induced by Nanoplatfrom-Based Transepithelial Riboflavin/UV-A Corneal Cross-Linking

Labate, Cristina; Lombardo, Marco; Lombardo, Giuseppe; De Santo, Maria Penelopesubjectcorneal biomechanical responsesubjectatomic force microscopysubjectYoung modulussubjectcorneal cross-linking

Investigative ophthalmology & visual science 58 (2017): 179–184.

<https://dx.doi.org/10.1167/iovs.16-20813>

16)-Alumina-supported sub-nanometer Pt-10 clusters: amorphization and role of the support material in a highly active CO oxidation catalyst

Yin, Chunrong; Negreiros, Fabio R.; Barcaro, Giovanni; Beniya, Atsushi; Sementa, Luca; Tyo, Eric C.; Bartling, Stephan; Meiwes-Broer, Karl-Heinz; Seifert, Sonke; Hirata, Hirohito; Isomura, Noritake; Nigam, Sandeep; Majumder, Chiranjib; Watanabe, Yoshihide; Fortunelli, Alessandro; Vajda, Stefansubjectultranano cluster catalystssubjectcarbon oxide oxidation

Journal of Materials Chemistry A 5 (2017): 4923–4931.

<https://dx.doi.org/10.1039/c6ta10989f>

17)-Au₂₁S(SAdm)(15): An Anisotropic Gold Nanomolecule. Optical and Photoluminescence Spectroscopy and First-Principles Theoretical Analysis

Fortunelli, Alessandro; Sementa, Luca; Thanthirige, Viraj Dhanushka; Jones, Tanya C.; Stener, Mauro; Gagnon, Kevin J.; Dass, Amala; Ramakrishna, Guda
subjectmnolayer protected clusters
subjectoptical spectrum
subjectanisotropic gold clusters

The journal of physical chemistry letters 8 (2017): 457–462.

<https://dx.doi.org/10.1021/acs.jpcllett.6b02810>

18)-Optical trapping of plasmonic mesocapsules: Enhanced optical forces and SERS

Spadaro, D.; Iatí, M. A.; Pérez-Piñero, J.; Vázquez-Vázquez, C.; Correa-Duarte, M. A.; Donato, M. G.; Gucciardi, P. G.; Saija, R.; Strangi, G.; Maragò, O. M.
subjectCORE-SHELL NANOPARTICLES
subjectGOLD NANOPARTICLES
subjectRAMAN-SPECTROSCOPY
subjectREFRACTIVE-INDEX
subjectTWEEZERS
subjectNANOSTRUCTURES
subjectPARTICLES
subjectSCATTERING
subjectNANORODS
subjectAU

Journal of physical chemistry. C 121 (2017): 691–700.

Journal of physical chemistry. C 121 (2017): 691–700.

Journal of physical chemistry. C 121 (2017): 691–700.

<https://dx.doi.org/10.1021/acs.jpcc.6b10213>

19)-Surface plasmon resonance in gold nanoparticles: a review

Amendola, Vincenzo; Pilot, Roberto; Frascioni, Marco; Marago, Onofrio M.; Iati, Maria Antonia
subjectplasmon resonance
subjectgold nanoparticless
subjectMie theory
subjectplasmon sensing
subjectSERS
subjectnear-field enhancement

Journal of physics. Condensed matter (Print) 29 (2017): 203002.

<https://dx.doi.org/10.1088/1361-648X/aa60f3>

20)-Spectral shift between the near-field and far-field optoplasmonic response in gold nanospheres, nanoshells, homo- and hetero-dimers

Cacciola A.; Iati M.A.; Saija R.; Borghese F.; Denti P.; Marago O.M.; Gucciardi P.G.
subjectplasmonics
subjectSERS
subjectfield-enhancement

Journal of Quantitative Spectroscopy & Radiative Transfer 195 (2017): 97–106.

<https://dx.doi.org/10.1016/j.jqsrt.2016.12.010>

21)-One-pot conversion of Epoxidized Soybean Oil (ESO) into soy-based polyurethanes by MoCl₂O₂ catalysis

Pantone V.; Annese C.; Fusco C.; Fini P.; Nacci A.; Russo A.; D'Accolti L.
subjectBio-based polyurethanes
subjectCatalysis
subjectOne-pot synthesis
subjectOxidation

Molecules (Basel, Online) 22 (2017).

<https://dx.doi.org/10.3390/molecules22020333>

22)-Atomistic modelling of Si nanoparticles synthesis

Barcaro G.; Monti S.; Sementa L.; Carravetta V. subjectMolecular dynamicssubjectPlasma synthesis subjectReactive force fields subjectSi nanoparticles subjectTheoretical model *Crystals (Basel)* 7 (2017).

<https://dx.doi.org/10.3390/cryst7020054>

23)-Nanocomposite materials for photocatalytic degradation of pollutants

Petronella, F.; Truppi, A.; Ingresso, C.; Placido, T.; Striccoli, M.; Curri, M. L.; Agostiano, A.; Comparelli, R. subjectNanocomposites subjectPhotocatalysis subjectTitanium dioxides subjectSelf-cleaning subjectWater treatments subjectNO_x *Catalysis Today* 281 (2017): 85–100.

<https://dx.doi.org/10.1016/j.cattod.2016.05.048>

24)-Tuning the functionalization degree of amylose and amylopectin with photochromic spiropyran by CuAAC reaction

David Barsi; Silvia Borsacchi; Lucia Calucci; Antonio Tarantino; Calogero Pinzino; Monica Bertoldo subjectstarch subjectphotochromic materials subjectCuAAC *Polymer (Amsterdam. Online)* (2017).

<https://dx.doi.org/10.1016/j.polymer.2017.05.046>

25)-Visible-light-active TiO₂-based hybrid nanocatalysts for environmental applications

Truppi, Alessandra; Truppi, Alessandra; Petronella, Francesca; Placido, Tiziana; Striccoli, Marinella; Agostiano, Angela; Agostiano, Angela; Curri, Maria Lucia; Comparelli, Roberto subjectEnvironmental remediations subjectHeterostructure subjectNanomaterials subjectNO_x subjectOrganic pollutant subjectPhotocatalysis subjectSelf-cleaning surfaces subjectSunlight subjectTitanium dioxides subjectVisible light subjectVOCs *Catalysts* 7 (2017).

<https://dx.doi.org/10.3390/catal7040100>

26)-Au₂₁S(SAdm)(15): Crystal Structure, Mass Spectrometry, Optical Spectroscopy, and First-Principles Theoretical Analysis

Jones, Tanya C.; Sementa, Luca; Stener, Mauro; Gagnon, Kevin J.; Thanthirige, Viraj Dhanushka; Ramakrishna, Guda; Fortunelli, Alessandro; Dass, Amala subjectmonolayer-protected clusters subjectmetal nanoclusters subjectoptical responses subjecttheory subjectanisotropic nanoclusters *Journal of physical chemistry. C* 121 (2017): 10865–10869.

<https://dx.doi.org/10.1021/acs.jpcc.6b12075>

27)-Ligand-Enhanced Optical Response of Gold Nanomolecules and Its Fragment Projection Analysis: The Case of Au-30(SR)(18)

Sementa, Luca; Barcaro, Giovanni; Baseggio, Oscar; De Vetta, Martina; Dass, Amala; Apra, Edoardo; Stener, Mauro; Fortunelli, Alessandrosubjectmonolayer-protected clusterssubjectmetal nanoclusterssubjectoptical responsesubjectoptical enhancement
Journal of physical chemistry. C 121 (2017): 10832–10842.
<https://dx.doi.org/10.1021/acs.jpcc.6b12029>

28)-Magnetic Ordering in Gold Nanoclusters

Mikhail Agrachev; Sabrina Antonello; Tiziano Dainese; Marco Ruzzi; Alfonso Zoleo; Edoardo Aprà; Niranjana Govind; Fortunelli, Alessandro; Luca Sementa; Flavio Maransubjectspin-orbit couplingsubjectgold nanoclusterssubjectmonolayer-protected clusters
ACS omega 2 (2017): 2607–2617.
<https://dx.doi.org/10.1021/acsomega.7b00472>

29)-Parametrization of a Reactive Force Field (ReaxFF) for Molecular Dynamics Simulations of Si Nanoparticles.

Barcaro, Giovanni; Monti, Susanna; Sementa, Luca; Carravetta, VincenzosubjectTheory Si nanoparticle REAX
Journal of chemical theory and computation (2017).
<https://dx.doi.org/10.1021/acs.jctc.7b00445>

30)-Dynamical behavior of microgels of interpenetrated polymer networks.

Nigro, Valentina; Angelini, Roberta; Bertoldo, Monica; Bruni, Fabio; Ricci, Maria Antonietta; Ruzicka, BarbarasubjectPolymer Network
Soft matter (Online) (2017).
<https://dx.doi.org/10.1039/c7sm00739f>

31)-A novel potential nanophototherapeutic based on the assembly of an amphiphilic cationic b-cyclodextrin and an anionic porphyrin

Antonino Mazzaglia; Norberto Micali; Valentina Villari; Roberto Zagami; Rosa Maria Pennisi; Carmen Ortiz Mellet; José Manuel García Fernández; Maria Teresa Sciortino; Luigi Monsù Scolarosubjectphotosensitizerssubjectcyclodextrinssubjectnanoassemblysubjectfluorescence spectroscopy
Journal of porphyrins and phthalocyanines 21 (2017): 398–405.
<https://dx.doi.org/10.1142/S108842461750033X>

32)-Highly thermostable and crystalline poly(butylene adipate) bionanocomposites prepared by in situ polycondensation with organically modified Moroccan beidellite clay

Ilsouk, Mohamed; Raihane, Mustapha; Castelvetro, Valter; Lahcini, Mohammed; Bronco, Simona; Rhouta, Benaissa; Bianchi, Sabrina; Conzatti, Luciasubjectbionanocompositessubjectbeidellite claysubjectpoly(butylene adipate)subjectin situ polycondensationsubjectstructure characterizationsubjectthermal properties
Polymer international 66 (2017): 939–949.
<https://dx.doi.org/10.1002/pi.5342>

33)-Ionic diffusion and proton transfer in aqueous solutions of alkali metal salts

Cassone, Giuseppe; Creazzo, Fabrizio; Giaquinta, Paolo V.; Sponer, Jiri; Saija, Franzsubjectab-initio molecular dynamicssubjectdensity functional theorysubjectaqueous solutions
PCCP. Physical chemistry chemical physics (Print) 19 (2017): 20420–20429.
<https://dx.doi.org/10.1039/c7cp03663a>

34)-A spectroscopic approach to the study of organic pigments in the field of cultural heritage

Nardo V.M.; Aliotta F.; Mastelloni M.A.; Ponterio R.C.; Saija F.; Trusso S.; Vasi C.S.subjectraman spectroscopy
Atti della Accademia Peloritana dei Pericolanti, Classe di Scienze Fisiche, Matematiche e Naturali (Testo stampato) 95 (2017).
<https://dx.doi.org/10.1478/AAPP.951A5>

35)-Novel electrochemical route to cleaner fuel dimethyl ether.

Cassone, Giuseppe; Pietrucci, Fabio; Saija, Franz; Guyot, Francois; Sponer, Jiri; Sponer, Judit E; Saitta, A Marcosubjectabinitio molecular dynamics
Scientific reports (Nature Publishing Group) 7 (2017): 6901.
<https://dx.doi.org/10.1038/s41598-017-07187-8>

36)-Assessment of stromal riboflavin concentration-depth profile in nanotechnology-based transepithelial corneal crosslinking

Lombardo, Giuseppe; Micali, Norberto Liborio; Villari, Valentina; Leone, Nancy; Serrao, Sebastiano; Rusciano, Dario; Lombardo, Marcosubjecttwo photon microscopysubjectspectroscopysubjectriboflavinsubjectcorneal crosslinking
Journal of cataract and refractive surgery 43 (2017): 680–686.
<https://dx.doi.org/10.1016/j.jcrs.2017.03.026>

37)-Reliability and Agreement Between Metrics of Cone Spacing in Adaptive Optics Images of the Human Retinal Photoreceptor Mosaic

Giannini, Daniela; Lombardo, Giuseppe; Mariotti, Letizia; Devaney, Nicholas; Serrao, Sebastiano; Lombardo, Marcosubjectadaptive opticssubjectcell spacingsubjectcone metrics
Investigative ophthalmology & visual science 58 (2017): 3127–3137.
<https://dx.doi.org/10.1167/iovs.16-20890>

38)-Multimodal imaging quality control of epithelia regenerated with cultured human donor corneal limbal epithelial stem cells

Lombardo, Marco; Serrao, Sebastiano; Barbaro, Vanessa; Di Iorio, Enzo; Lombardo, Giuseppe subjectTwo photon microscopysubjectsecond harmonic generationsubjecttensor structuresubjectstem cells
Scientific reports (Nature Publishing Group) 7 (2017).
<https://dx.doi.org/10.1038/s41598-017-05486-8>

39)-Analysis of Cone Mosaic Reflectance Properties in Healthy Eyes and in Eyes With Nonproliferative Diabetic Retinopathy Over Time.

Mariotti, Letizia; Devaney, Nicholas; Lombardo, Giuseppe; Lombardo, Marco
subjectcone reflectancesubjectconessubjectphotoreceptorssubjectdiabetic retinopathysubjectadaptive optics
Investigative ophthalmology & visual science 58 (2017): 4057–4067.

<https://dx.doi.org/10.1167/iovs.17-21932>

40)-Core Size Interconversions of Au-30(S-tBu)(18) and Au-36(SPhX)(24)

Dass, Amala; Jones, Tanya C.; Theivendran, Shevanuja; Sementa, Luca; Fortunelli, Alessandro
subjectPROTECTED GOLD CLUSTERS; RAY CRYSTAL-STRUCTURE; THEORETICAL-ANALYSIS; NANOMOLECULES; THIOLATE; NANOCCLUSERS; AU-144(SCH₂CH₂PH)(60); TRANSFORMATION; NANOPARTICLES; CONVERSION
Journal of physical chemistry. C 121 (2017): 14914–14919.

<https://dx.doi.org/10.1021/acs.jpcc.7b03860>

41)-Core-Size Conversion of Au-38(SCH₂CH₂Ph)₂ to Au-30(S-tBu)₁₈ Nanomolecules

Rambukwella, Milan; Sementa, Luca; Fortunelli, Alessandro; Dass, Amala
subjectTHEORETICAL-ANALYSIS; CRYSTAL-STRUCTURE; GOLD CLUSTERS; OPTICAL SPECTROSCOPY; NANOPARTICLES; THIOLATE; AU-144(SCH₂CH₂PH)(60); ELECTROCHEMISTRY; TRANSFORMATION; MOLECULES
Journal of physical chemistry. C 121 (2017): 14929–14935.

<https://dx.doi.org/10.1021/acs.jpcc.7b04201>

42)-Intense fluorescence of Au-20 (vol 147, 074301, 2017)

Yu, Chongqi; Harbich, Wolfgang; Sementa, Luca; Ghiringhelli, Luca; Apra, Edoardo; Stener, Mauro; Fortunelli, Alessandro; Brune, Harald
subjectErrata Corrige
The Journal of chemical physics 147 (2017): 5001985.

<https://dx.doi.org/10.1063/1.5001985>

43)-Intense fluorescence of Au-20

Yu, Chongqi; Harbich, Wolfgang; Sementa, Luca; Ghiringhelli, Luca; Aprá, Edoardo; Stener, Mauro; Fortunelli, Alessandro; Brune, Harald
subjectGOLD NANOCCLUSERS; METAL-CLUSTERS; IN-VIVO; NANOPARTICLES; PHOTOLUMINESCENCE; APPROXIMATION; EXCHANGE; MATRICES; ORIGIN; AU₂
The Journal of chemical physics 147 (2017): 074301.

<https://dx.doi.org/10.1063/1.4996687>

44)-Magnetic Ordering in Gold Nanoclusters (vol 2, pg 2607, 2017)

Agrachev, Mikhail; Antonello, Sabrina; Dainese, Tiziano; Ruzzi, Marco; Zoleo, Alfonso; Apra, Edoardo; Govind, Niranjana; Fortunelli, Alessandro; Sementa, Luca; Maran, Flavio; subject Magnetic Ordering Gold Nanoclusters
ACS omega 2 (2017): 3595–3595.
<https://dx.doi.org/10.1021/acsomega.7b00895>

45)-High-Field Electron Paramagnetic Resonance Reveals a Stable Glassy Fraction up to Melting in Semicrystalline Poly(dimethylsiloxane)

Massa C.A.; Pizzanelli S.; Bercu V.; Pardi L.; Leporini D. subject high-field electron paramagnetic resonance (HF-EPR)
Applied magnetic resonance 48 (2017): 827–840.
<https://dx.doi.org/10.1007/s00723-017-0903-z>

46)-Local Reversible Melting in Semicrystalline Poly(dimethylsiloxane): A High-Field Electron Paramagnetic Resonance Study

Massa C.A.; Pizzanelli S.; Bercu V.; Pardi L.; Leporini D. subject high-field electron paramagnetic resonance (HF-EPR)
Macromolecules (Online) 50 (2017): 5061–5073.
<https://dx.doi.org/10.1021/acs.macromol.7b00627>

47)-Dynamics and self-assembly of bio-functionalized gold nanoparticles in solution: Reactive molecular dynamics simulations

Monti S.; Barcaro G.; Sementa L.; Carravetta V.; Agren H. subject biocompatibility subject cross-linkings subject functionalizations subject nanoparticles subject ReaxFF
Nano research (Online) (2017): 1–11.
<https://dx.doi.org/10.1007/s12274-017-1704-2>

48)-Functional Enzymes in Nonaqueous Environment: The Case of Photosynthetic Reaction Centers in Deep Eutectic Solvents

Milano, Francesco; Giotta, Livia; Guascito, Maria Rachele; Agostiano, Angela; Sblendorio, Stefania; Valli, Ludovico; Perna, Filippo M.; Cicco, Luciana; Trotta, Massimo; Capriati, Vito; subject Deep eutectic solvents subject Choline chlorides subject Membrane proteins subject Reaction centers subject Photosynthesis
ACS sustainable chemistry & engineering 5 (2017): 7768–7776.
<https://dx.doi.org/10.1021/acssuschemeng.7b01270>

49)-Transcriptomic analysis of nickel exposure in *Sphingobium* sp ba1 cells using RNA-seq

Volpicella, M.; Leoni, C.; Manzari, C.; Chiara, M.; Picardi, E.; Piancone, E.; Italiano, F.; D'Erchia, A.; Trotta, M.; Horner, D. S.; Pesole, G.; Ceci, L. R. subject heavy metals
Scientific reports (Nature Publishing Group) 7 (2017).
<https://dx.doi.org/10.1038/s41598-017-08934-7>

50)-Characterization of the adsorption dynamics of trisodium citrate on gold in water solution

Susanna Monti 1; Giovanni Barcaro 2; Luca Sementa 2; Vincenzo Carravetta 2; Hans Ågren 3
subjectcitric acidssubjectAuNP stabilizationssubjectReactive Force FieldssubjectSurface adsorption

RSC advances 7 (2017): 49655–49663.

<https://dx.doi.org/10.1039/c7ra10759e>

51)-First moves towards photoautotrophic synthetic cells: In vitro study of photosynthetic reaction centre and cytochrome bc1 complex interactions.

Altamura, Emiliano; Fiorentino, Rosa; Milano, Francesco; Trotta, Massimo; Palazzo, Gerardo; Stano, Pasquale; Mavelli, Fabio
subjectCytochrome bc1 complexsubjectPhotosynthesissubjectPhotosynthetic reaction centressubjectProton gradientssubjectSynthetic biologysubjectSynthetic cells

Biophysical chemistry (Print) 229 (2017): 46–56.

<https://dx.doi.org/10.1016/j.bpc.2017.06.011>

52)-Alteration of neurotransmission and skeletogenesis in sea urchin *Arbacia lixula* embryos exposed to copper oxide nanoparticles

Cappello; Tiziana; Vitale; Valeria; Oliva; Sabrina; Villari; Valentina; Mauceri; Angela; Fasulo; Salvatore; Maisano; Maria
subjectCuO nanoparticlessubjectEmbryotoxicity test

Comparative biochemistry and physiology. Toxicology & pharmacology (Print) 199 (2017): 20–27.

<https://dx.doi.org/10.1016/j.cbpc.2017.02.002>

53)-A Metalloporphyrin-Peptide Conjugate as an Effective Inhibitor of Amyloid-beta Peptide Fibrillation and Cytotoxicity

Villari; Valentina; Tosto; Rita; Di Natale; Giuseppe; Sinopoli; Alessandro; Tomasello; Marianna F.; Lazzaro; Serena; Micali; Norberto; Pappalardo; Giuseppe
subjectBeta-Amyloidssubjectbeta-sheet breakerssubjectporphyrin derivativessubjectSpectroscopic techniquessubjectToxicity test

ChemistrySelect 2 (2017): 9122–9129.

<https://dx.doi.org/10.1002/slct.201701148>

54)-Anomalous Behavior of Ultra-Low -AmplitudeCapillary Waves. A Glimpse of the Viscoelastic Properties of Interfacial Water?

Raudino, Antonio; Raciti, Domenica; Corti, Marios
subjectwatersubjectinterface

Langmuir 33 (2017): 6439–6448.

<https://dx.doi.org/10.1021/acs.langmuir.7b00895>

55)-An interferometric technique to study capillary waves

Cantu, Laura; Raudino, Antonio; Corti, Marios
subjectInterferometrysubjectCapillary wavessubjectSurfactant monolayerssubjectAir-water interfacesubjectLiquid-liquid interface

Advances in colloid and interface science (Print) 247 (2017): 23–32.

<https://dx.doi.org/10.1016/j.cis.2017.06.006>

56)-Swelling of responsive-microgels: experiments versus models

Valentina Nigro; Roberta Angelini; Monica Bertoldo; Barbara Ruzicka
subjectColloidal dispersion
subjectMicrogel
subjectSwelling behaviors
subjectDynamic light scattering
Colloids and surfaces. A, Physicochemical and engineering aspects (Print) 532 (2017): 389–396.

<https://dx.doi.org/10.1016/j.colsurfa.2017.04.059>

57)-Evaluating the NO_x storage catalysts (NSC) aging: A preliminary analytical study with electronic microscopy

Bellebuono L.; Annese C.; Catucci L.; Colafemmina G.; Comparelli R.; Cotugno P.; Fracassi F.; Fusco C.; Nacci A.; D'Accolti L.
subjectElectronic microscopy
subjectNO_x storage catalysts
subjectThermal aging
Applied sciences 7 (2017).

<https://dx.doi.org/10.3390/app7101059>

58)-Calorimetric analysis points out the physical-chemistry of organic olive oils and reveals the geographical origin

Mallamace, Domenico; Vasi, Sebastiano; Corsaro, Carmelo; Naccari, Clara; Clodoveo, Maria Lisa; Dugo, Giacomo; Cicero, Nicolas
subjectDifferential scanning calorimetry
subjectVOO
subjectTraceability
subjectPCA
Physica. A (Print) 486 (2017): 925–932.

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subjectSilicon
subjectNanowire
subjectBiosensors
subjectPhotoluminescence
subjectC-Reactive Protein
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subjectRAMAN
subjectCOHERENT BACKSCATTERING
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De Leo, Vincenzo; De Leo, Vincenzo; Milano, Francesco; Paiano, Aurora; Bramato, Roberta; Giotta, Livia; Comparelli, Roberto; Ruscigno, Silvia; Agostiano, Angela; Agostiano, Angela; Bucci, Cecilia; Catucci, Lucia

subjectquantum dots subjectCdSe@ZnS subjecttoxicity subjectliposomes subjectHeLa cell

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Fiumara, Giacomo; Saija, Franz; Pellicane, Giuseppe; Lopez de Haro, Mariano; Santos, Andres; Yuste, Santos B.

subjectvirial coefficients subjectequation of states subjecthard-disk

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subjectCrystallinity subjectMobile amorphous fractions subjectRigid amorphous fractions subjectInterphases subjectStructural relaxation

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Aliotta, Laura; Cinelli, Patrizia; Coltelli, Maria Beatrice; Righetti, Maria Cristina; Gazzano, Massimo; Lazzeri, Andrea

subjectPoly(lactic acid) subjectNucleating agents subjectMechanical properties subjectTakayanagi models subjectCrystallinity phases

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Di Lorenzo, Maria Laura; Androsch, Rene; Righetti, Maria Cristina

subjectPolymer crystallizations subjectPoly(butylene succinate) subjectThermal analysis

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Depalo, N.; Corricelli, M.; De Paola, I.; Valente, G.; Iacobazzi, R. M.; Altamura, E.; Debellis, D.; Comegna, D.; Fanizza, E.; Denora, N.; Laquintana, V.; Mavelli, F.; Striccoli, M.; Saviano, M.; Agostiano, A.; Del Gatto, A.; Zaccaro, L.; Curri, M. L. subjectNIR emitting quantum dotssubjectsilica-coated nanoprobessubjectcyclic RGD peptidesubjectalpha nu beta 3 integrin receptorsubjecttargeted imaging

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Arena, Francesco; Di Chio, Roberto; Fazio, Barbara; Espro, Claudia; Spiccia, Leone; Palella, Alessandra; Spadaro, LorenzsubjectNanostructured MnCeOx catalystssubjectStructural and electronic effectssubjectCO oxidationsubjectStructure-activity relationshipssubjectActive sites

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Sinopoli, Alessandro; Citro, Ilaria; Calogero, Giuseppe; Bartolotta, AntoniosubjectDye-sensitized solar cellssubjectanthocyanidinssubjectTD-DFTsubjectabsorption spectra

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Zanchi, Chiara; Lucotti, Andrea; Tommasini, Matteo; Trusso, Sebastiano; de Grazia, Ugo; Ciusani, Emilio; Ossi, Paolo M.subjectPulsed laser depositionsubjectSelf-assembled nano-roughened filmssubjectAu nanoparticlessubjectSERSsubjectDFTsubjectApomorphinesubjectCarbamazepine

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Castriciano, Maria Angela; Zagami, Roberto; Casaletto, Maria Pia; Martel, Bernard; Trapani, Mariachiara; Romeo, Andrea; Villari, Valentina; Sciortino, Maria Teresa; Grasso, Laura; Guglielmino, Salvatore; Scolaro, Luigi Monsu; Mazzaglia, Antoninosubjectphotosensitizersubjectcyclodextrinsoptical propertiessubjectphotodynamic therapy

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Calogero, Giuseppe; Citro, Ilaria; Di Marco, Gaetano; Caramori, Stefano; Casarin, Laura; Bignozzi, Carlo Alberto; Avo, Joao; Jorge Parola, A.; Pina, Fernando

subjectDSSCsubjectFlaviliosubjecttrasferimento di carica
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subjectelectron volt neutron spectroscopy
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Lombardo, Marco; Giannini, Daniela; Lombardo, Giuseppe; Serrao, Sebastianosubjectclinical trialsubjecttransepithelial corneal crosslinkingsubjectiontophoresis

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Tian, Kun V.; Tian, Kun V.; Tian, Kun V.; Tian, Kun V.; Tian, Kun V.; Festa, Giulia; Festa, Giulia; Festa, Giulia; Festa, Giulia; Basoli, Francesco; Laganà, Giuseppina; Laganà, Giuseppina; Scherillo, Antonella; Andreani, Carla; Andreani, Carla; Andreani, Carla; Andreani, Carla; Bollero, Patrizio; Licoccia, Silvia; Licoccia, Silvia; Senesi, Roberto; Senesi, Roberto; Cozza, Paola; Cozza, Paola

subjectMartensitesubjectNeutron diffractionsubjectOrthodontic archwiresubjectPhase transformationsubjectStainless steel
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Zagami, R.; Trapani, M.; Castriciano, M. A.; Romeo, A.; Mineo, P. G.; Scolaro, L.
MonsusubjectIonic

liquidssubjectPorphyrinsubjectAggregationsubjectChiralitysubjectSpectroscopic investigations
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Papale M.; Giannarelli S.; Francesconi S.; Di Marco G.; Mikkonen A.; Conte A.; Rizzo C.; De Domenico E.; Michaud L.; Giudice A.L.subjectCold-adapted bacteria Polychlorobiphenyls
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Kiselev M.A.; Lombardo D.subjectBio-membranessubjectLipids and
phospholipidssubjectLiposomessubjectSmall angle neutron scatteringsubjectSmall angle X-ray
scattering

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Barreca D.; Lagana G.; Toscano G.; Calandra P.; Kiselev M.A.; Lombardo D.; Bellocco E.subjectFlavonoidssubjectFluorescencesubjectFTIRsubjectHuman serum
albuminssubjectOxidative stresses and protein fibrillationsubjectThermodynamic and kinetic
variations.

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Farsaci F.; Tellone E.; Russo A.; Galtieri A.; Ficarra S.subjectBloodsubjectErythrocytessubjectNon-equilibrium thermodynamicssubjectUltrasound
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Mastronardo, Emanuela; Bonaccorsi, Lucio; Kato, Yukitaka; Piperopoulos, Elpida; Lanza, Maurizio; Milone, CandidasubjectThermochemical storagesubjectDeposition-precipitationsubjectReverse deposition-precipitationsubjectMagnesium hydroxidesubjectExfoliated graphite
Applied thermal engineering 120 (2017): 626–634.
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Rees T.W.; Liao J.; Sinopoli A.; Male L.; Calogero G.; Curchod B.F.E.; Baranoff E.subjectSolae Energy
Inorganic chemistry (Online) 56 (2017): 9903–9912.
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Farsaci; Francesco; Ficarra; Silvana; Galtieri; Antonio; Tellone; Estersubjectnon-equilibrium thermodynamicssubjectfractional modelssubjectpathophysiological cellular structuresubjectHUMAN BLOODsubjectVISCOANELASTIC MEDIAsubjectORDER ONESubjectMEMORY
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Garzia Trulli, Marta; Garzia Trulli, Marta; Sardella, Eloisa; Sardella, Eloisa; Palumbo, Fabio; Palumbo, Fabio; Palazzo, Gerardo; Palazzo, Gerardo; Giannossa, Lorena Carla; Mangone, Annarosa; Comparelli, Roberto; Musso, Simone; Favia, Pietro; Favia, Pietro; Favia, PietrosubjectColloidal stabilitysubjectMulti walled carbon nanotubes (MWCNT)subjectMWCNT functionalizationsubjectPlasma processingsubjectPowders functionalizationsubjectSurface characterization
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Depalo, Nicoletta; Iacobazzi, Rosa Maria; Valente, Gianpiero; Arduino, Ilaria; Villa, Silvia; Canepa, Fabio; Laquintana, Valentino; Fanizza, Elisabetta; Striccoli, Marinella; Cutrignelli, Annalisa; Lopedota, Angela; Porcelli, Letizia; Azzariti, Amalia; Franco, Massimo; Curri, Maria Lucia; Denora, Nunzio

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Mota, Carlos; Labardi, Massimiliano; Trombi, Luisa; Astolfi, Laura; D'Acunto, Mario; Puppi, Dario; Gallone, Giuseppe; Chiellini, Federica; Berrettini, Stefano; Bruschini, Luca; Danti, Serena

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Delia Evelina Bruno; Lombardo Giuseppe; Di Sipio Eloisa; Galgaro Antonio; D'Arpa Stefania; Destro Elisa; Passarella Giuseppe; Barca Emanuele; Uricchio Vito Felice; Manzella

AdelesubjectGeothermal heat . Industrial thermal needs . Energetic model . Renewable energy.
Groundwater and ground source heat pumps
Energy efficiency (Print) (2017).
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Righetti; Maria Cristinasubjectpolymersubjectcrystallizationsubjectdifferential scanning calorimetrysubjecttemperature-modulated differential scanning calorimetrysubjectreversing meltingsubjectreversible meltingsubjectcrystalline fractionsubjectmobile amorphous fractionsubjectrigid amorphous fraction
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Striccoli; MarinellasubjectNanocrystalssubjectPhotolithography
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Guascito, M. R.; Chatzipetrou, M.; Chirizzi, D.; Trotta, M.; Massaouti, M.; Giotta, L.; Milano, F.; Zergioti, I.subjectPhotosynthetic reaction centresubjectRhodobacter sphaeroidessubjectphotocurrentssubjectinhibition type amperometric biosensorsubjectherbicide
Procedia technology 27 (2017): 195–196.
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Genchi G.G.; Sinibaldi E.; Ceseracciu L.; Labardi M.; Marino A.; Marras S.; De Simoni G.; Mattoli V.; Ciofani G.subjectBonesubjectBoron nitride nanotubessubjectCell differentiationsubjectP(VDF-TrFE)subjectPiezoelectricitysubjectUltrasounds
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Sementa; Luca; Larcher; Luca; Barcaro; Giovanni; Montorsi; MoniasubjectMEMORYsubjectRRAM; DYNAMICS
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Carini G.; Carini G.; D'Angelo G.; Federico M.; Marco G.D.; Bartolotta A.subjectactivation entropy; dielectric relaxations; mechanical relaxations; polyvinyl butyral
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<https://dx.doi.org/10.1002/polb.24547>

116)-Random optical media based on hybrid organic-inorganic nanowires: Multiple scattering, field localization, and light diffusion

Persano L.; Moffa M.; Fasano V.; Portone A.; Romano L.; Fazio B.; Saija R.; Iati M.A.; Camposeo A.; Marago O.M.; Pisignano D.subjectcoherent backscatteringsubjectelectrospinningsubjectlight-scatteringsubjectnanocompositessubjectnanowires
Proceedings of SPIE, the International Society for Optical Engineering 10101 (2017).
<https://dx.doi.org/10.1117/12.2263663>

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

1)-SISTEMI IBRIDI NANO-STRUTTURATI A BASE PORFIRINICA PER APPLICAZIONI BIOMEDICHE

Antonio Abbadessa; a Emilio Scamporrino; a Angelo Nicosia; a Antonino Mazzaglia; c Valentina Villari; b Norberto Micali; b Cristina Satriano; a; Placido Mineoa; bsubjectPorphyrinsubjectGoldsubjectSinglet OxygensubjectHuman Neuroblastoma (subjectSH-SY5Y)

Società Chimica Italiana Workshop delle Sezioni Sicilia e Calabria, pp. CO-27–CO-27, Messina, 9-10/02/2017

<http://www.cnr.it/prodotto/i/367241>

info:cnr-pdr/source/autori:Antonio Abbadessa,a Emilio Scamporrino,a Angelo Nicosia,a Antonino Mazzaglia,c Valentina Villari,b Norberto Micali,b Cristina Satriano,a and Placido Mineoa,b/congresso_nome:Società Chimica Italiana Workshop delle Sezioni Sicilia e Calabria/congresso_luogo:Messina/congresso_data:9-10/02/2017/anno:2017/pagina_da:CO-27/pagina_a:CO-27/intervallo_pagine:CO-27–CO-27

2)-A program for the solution of chemical equilibria among multiple phases

Ciriaco, Fulvio; Trotta, Massimo; Milano, FrancescosubjectChemical equilibriumsUBIQUINONEsubjectENERGYsubjectBINDING

Advances in Artificial Life, Evolutionary Computation, and Systems Chemistry, edited by Rossi, F; Piotto, S; Concilio, S, pp. 188–197. Berlin: Springer International Publishing AG, 2017

https://dx.doi.org/10.1007/978-3-319-57711-1_17

info:cnr-pdr/source/autori:Ciriaco, Fulvio; Trotta, Massimo; Milano, Francesco/titolo:A program for the solution of chemical equilibria among multiple phases/titolo_volume:Advances in Artificial Life, Evolutionary Computation, and Systems Chemistry/curatori_volume:Rossi, F; Piotto, S; Concilio, S/editore:

/anno:2017

3)-Electronic Structure of Oxide Ultrathin Layers on Metal Surfaces

Barcaro, Giovanni; Fortunelli, AlessandrosUBIQUINONEsubjectBand gapsUBIQUINONEsubjectDensity functional theory (DFT)subjectDensity of statesUBIQUINONEsubjectHubbard

HamiltoniansUBIQUINONEsubjectMetallizationsUBIQUINONEsubjectPolaritiesUBIQUINONEsubjectReducible

oxidesUBIQUINONEsubjectRumplingsUBIQUINONEsubjectStoichiometry StructuresUBIQUINONEsubjectSurface dipolesUBIQUINONEsubjectWork function
Reference Module in Chemistry, Molecular Sciences and Chemical Engineering, 2017, edited by Klaus Wandelt. Amsterdam: Elsevier, 2017

<https://dx.doi.org/10.1016/B978-0-12-409547-2.12887-2>

info:cnr-pdr/source/autori:Barcaro, Giovanni; Fortunelli, Alessandro/titolo:Electronic Structure of Oxide Ultrathin Layers on Metal Surfaces/titolo_volume:Reference Module in Chemistry, Molecular Sciences and Chemical Engineering, 2017/curatori_volume:Klaus Wandelt/editore:

/anno:2017

4)-DYNAMICS OF POLY(VINYL BUTYRAL) STUDIED BY DIELECTRIC SPECTROSCOPY AND ¹H NMR RELAXOMETRY

Silvia Pizzanelli; Daniele Prevosto; Massimiliano Labardi; Tommaso Guazzini; Simona Bronco; Claudia Forte; Lucia Calucci/subject:poly(vinyl butyral)/subject:dielectric spectroscopy/subject:¹H NMR FFC relaxometry

XLVI national Congress on Magnetic Resonance, Fisciano (Salerno), 27-29/09/2017

<http://www.cnr.it/prodotto/i/376368>

info:cnr-pdr/source/autori:Silvia Pizzanelli, Daniele Prevosto, Massimiliano Labardi, Tommaso Guazzini, Simona Bronco, Claudia Forte, Lucia Calucci/congresso_nome:XLVI national Congress on Magnetic Resonance/congresso_luogo:Fisciano (Salerno)/congresso_data:27-29/09/2017/anno:2017/pagina_da:/pagina_a:/intervallo_pagine:

5)-Polymer dynamics and morphology in LDPE nanocomposites studied by NMR spectroscopy and relaxometry

PIZZANELLI, Silvia; CALUCCI, Lucia; MASSA, Carlo Andrea; FORTE, Claudia/subject:LDPE/subject:solid state NMR/subject:NMR relaxometry/subject:nanocomposite

Multiscale phenomena in molecular matter, Cracovia, 3-6/07/2017

<http://www.cnr.it/prodotto/i/376366>

info:cnr-pdr/source/autori:PIZZANELLI, Silvia; CALUCCI, Lucia; MASSA, Carlo Andrea; FORTE, Claudia/congresso_nome:Multiscale phenomena in molecular matter/congresso_luogo:Cracovia/congresso_data:3-6/07/2017/anno:2017/pagina_da:/pagina_a:/intervallo_pagine:

6)-Reductive Amination Vs "Click" Reaction On The Grafting Of Polysaccharides Onto Janus Silica

D. Barsi; A. Bianchi; M. Corricelli; M. L. Curri; A. Farah; M. Bertoldo/subject:nanomaterials/subject:Janus particles/subject:polysaccharides

European Polymer Conference 2017, Lione (Fr), 02/07/2017, 07/07/2017

<http://www.cnr.it/prodotto/i/377521>

info:cnr-pdr/source/autori:D. Barsi; A. Bianchi; M. Corricelli; M. L. Curri; A. Farah; M. Bertoldo/congresso_nome:European Polymer Conference 2017/congresso_luogo:Lione (Fr)/congresso_data:02/07/2017, 07/07/2017/anno:2017/pagina_da:/pagina_a:/intervallo_pagine:

7)-Thermodynamic and dynamic of concentrated PNIPAM microgels

Elena Burattia; Andrea Orecchini; Marco Zanatta; Emanuela Zaccarelli; Monica Bertoldo/subjectMicrogel/subjectneutron scatterings/subjectDSC

European Polymer Conference 2017 (EPF 2017), Lyon, 02/07/2017, 07/07/2017

<http://www.cnr.it/prodotto/i/377522>

info:cnr-pdr/source/autori:Elena Burattia; Andrea Orecchini; Marco Zanatta; Emanuela Zaccarelli; Monica Bertoldo/congresso_nome:European Polymer Conference 2017 (EPF 2017)/congresso_luogo:Lyon/congresso_data:02/07/2017, 07/07/2017/anno:2017/pagina_da:/pagina_a:/intervallo_pagine:

8)-Liquid crystalline DNA: A smart polymer with a variety of applications ranging from photonics to plasmonics

De Sio, Luciano; De Sio, Luciano; Annesi, Ferdinanda; Placido, Tiziana; Placido, Tiziana; Comparelli, Roberto; Pane, Alfredo; Curri, Maria L.; Umeton, Cesare; Umeton, Cesare; Bartolino, Roberto/subjectDNA/subjectHolography/subjectNanomaterials/subjectPlasmonics

Hybrid Polymer Composite Materials, edited by Vijay Kumar Thakur Manju Kumari Thakur Asokan Pappu, pp. 409–421. Cambridge: Woodhead Publishing, 2017

<https://dx.doi.org/10.1016/B978-0-08-100785-3.00013-9>

info:cnr-pdr/source/autori:De Sio, Luciano; De Sio, Luciano; Annesi, Ferdinanda; Placido, Tiziana; Placido, Tiziana; Comparelli, Roberto; Pane, Alfredo; Curri, Maria L.; Umeton, Cesare; Umeton, Cesare; Bartolino, Roberto/titolo:Liquid crystalline DNA: A smart polymer with a variety of applications ranging from photonics to plasmonics/titolo_volume:Hybrid Polymer Composite Materials/curatori_volume:Vijay Kumar Thakur Manju Kumari Thakur Asokan Pappu/editore:

/anno:2017

9)-Magnetic Solid Lipid Nanoparticles for Magnetically Targeted Delivery of Sorafenib for Treatment of Hepatocellular Carcinoma

Fabio Vischio(a); Nicoletta Depalo(a); Iliara Arduino(b); Silvia Villa(c); Fabio Canepa(c); Elisabetta Fanizza(a; d); San Hee Lee(e); Byung Chul Lee(e); Rosa Maria Iacobazzi(f); Valentino Laquintana(b); Angela Lopodota(b); Annalisa Cutrignelli(b); Maria Principia Scavo(f); Marinella Striccoli(a); Angela Agostiano(a; d); M. Lucia Curri(a); Nunzio

Denora(b)subjectDrug deliverysubjectSorafenibsubjectMagnetic nanoparticlessubjectSolid lipid nanoparticles

XXVI Congresso Nazionale della Società Chimica Italiana, Paestum, 10-14/09/2017

<http://www.cnr.it/prodotto/i/377880>

info:cnr-pdr/source/autori:Fabio Vischio(a), Nicoletta Depalo(a), Ilaria Arduino(b), Silvia Villa(c), Fabio Canepa(c), Elisabetta Fanizza(a,d), San Hee Lee(e), Byung Chul Lee(e), Rosa Maria Iacobazzi(f), Valentino Laquintana(b), Angela Lopedota(b), Annalisa Cutrignelli(b), Maria Principia Scavo(f), Marinella Striccoli(a), Angela Agostiano(a,d), M. Lucia Curri(a), Nunzio Denora(b)/congresso_nome:XXVI Congresso Nazionale della Società Chimica Italiana/congresso_luogo:Paestum/congresso_data:10-

14/09/2017/anno:2017/pagina_da:/pagina_a:/intervallo_pagine:

10)-NMR Methodologies in Food Analysis

Luisa Mannina; Anatoly Petrovich Sobolev; Violetta Aru; Alessia Bellomaria; Fabio Bertocchi; Bruno Botta; Laura Ruth Cagliani; Augusta Caligiani; Francesco Capozzi; Dorisa Çela; Flaminia Cesare Marincola; Alessandra Ciampa; Laura Del Coco; Roberto Consonni; Carmelo Corsaro; Maurizio Delfini; Valeria Di Tullio; Francesco Paolo Fanizzi; Vito Gallo; Francesca Ghirga; Raffaella Gianferri; Chiara Roberta Girelli; Cinzia Ingallina; Luca Laghi; Mario Latronico; Francesco Longobardi; Claudio Luchinat; Domenico Mallamace; Stefano Mammi; Walter Mandaliti; Federico Marini; Pietro Mastroilli; Pierluigi Mazzei; Alfredo Miccheli; Alessandra Micozzi; Salvatore Milone; Adele Mucci; Ridvan Nepravishta; Maurizio Paci; Angelica Palisi; Alessandro Piccolo; Gianfranco Picone; Noemi Proietti; Antonio Randazzo; Valeria Righi; Archimede Rotondo; Andrea Salvo; Francesco Savorani; Paola Scano; ; Elisabetta Schievano; Fabio Sciubba; Leonardo Tenori; Alessia Trimigno; Paola Turano; Sebastiano Vasi; Donatella CapitanisubjectNMRsubjectfood sciencesubjectfood compositions

Analytical Chemistry: Developments, Applications and Challenges in Food Analysis, edited by Marcello Locatelli and Christian Celia. New York: Nova Science Publishers, Inc., 2017

https://www.novapublishers.com/catalog/product_info.php?products_id=62688

info:cnr-pdr/source/autori:Luisa Mannina, Anatoly Petrovich Sobolev, Violetta Aru, Alessia Bellomaria, Fabio Bertocchi, Bruno Botta, Laura Ruth Cagliani, Augusta Caligiani, Francesco Capozzi, Dorisa Çela, Flaminia Cesare Marincola, Alessandra Ciampa, Laura Del Coco, Roberto Consonni, Carmelo Corsaro, Maurizio Delfini, Valeria Di Tullio, Francesco Paolo Fanizzi, Vito Gallo, Francesca Ghirga, Raffaella Gianferri, Chiara Roberta Girelli, Cinzia Ingallina, Luca Laghi, Mario Latronico, Francesco Longobardi, Claudio Luchinat, Domenico Mallamace, Stefano Mammi, Walter Mandaliti, Federico Marini, Pietro Mastroilli, Pierluigi Mazzei, Alfredo Miccheli, Alessandra Micozzi, Salvatore Milone, Adele Mucci, Ridvan Nepravishta, Maurizio Paci, Angelica Palisi, Alessandro Piccolo, Gianfranco Picone, Noemi Proietti, Antonio Randazzo, Valeria Righi, Archimede Rotondo, Andrea Salvo, Francesco Savorani, Paola Scano, , Elisabetta Schievano, Fabio Sciubba, Leonardo Tenori, Alessia Trimigno, Paola Turano, Sebastiano Vasi and Donatella Capitani/titolo:NMR Methodologies in Food Analysis/titolo_volume:Analytical Chemistry: Developments, Applications and Challenges in Food Analysis/curatori_volume:Marcello Locatelli and Christian Celia/editore:

/anno:2017

11)-NMR Applications in Food Analysis: Part B

Anatoly Petrovich Sobolev; Luisa Mannina; Violetta Aru; Alessia Bellomaria; Fabio Bertocchi; Bruno Botta; Laura Ruth Cagliani; Augusta Caligiani; Francesco Capozzi; Dorisa Çela; Flaminia Cesare Marincola; Alessandra Ciampa; Laura Del Coco; Roberto Consonni; Carmelo Corsaro; Maurizio Delfini; Valeria Di Tullio; Francesco Paolo Fanizzi; Vito Gallo; Francesca Ghirga; Raffaella Gianferri; Chiara Roberta Girelli; Cinzia Ingallina; Luca Laghi; Mario Latronico; Francesco Longobardi; Claudio Luchinat; Domenico Mallamace; Stefano Mammi; Walter Mandaliti; Federico Marini; Pietro Mastroiilli; Pierluigi Mazzei; Alfredo Miccheli; Alessandra Micozzi; Salvatore Milone; Adele Mucci; Ridvan Nepravishta; Maurizio Paci; Angelica Palisi; Alessandro Piccolo; Gianfranco Picone; Noemi Proietti; Antonio Randazzo; Valeria Righi; Archimede Rotondo; Andrea Salvo; Francesco Savorani; Paola Scano; ; Elisabetta Schievano; Fabio Sciubba; Leonardo Tenori; Alessia Trimigno; Paola Turano; Sebastiano Vasi; Donatella CapitanisubjectNMRsubjectfood sciencesubjectfood compositions

Analytical Chemistry: Developments, Applications and Challenges in Food Analysis, edited by Marcello Locatelli and Christian Celia. New York: Nova Science Publishers, Inc., 2017

https://www.novapublishers.com/catalog/product_info.php?products_id=62688

info:cnr-pdr/source/autori:Anatoly Petrovich Sobolev, Luisa Mannina, Violetta Aru, Alessia Bellomaria, Fabio Bertocchi, Bruno Botta, Laura Ruth Cagliani, Augusta Caligiani, Francesco Capozzi, Dorisa Çela, Flaminia Cesare Marincola, Alessandra Ciampa, Laura Del Coco, Roberto Consonni, Carmelo Corsaro, Maurizio Delfini, Valeria Di Tullio, Francesco Paolo Fanizzi, Vito Gallo, Francesca Ghirga, Raffaella Gianferri, Chiara Roberta Girelli, Cinzia Ingallina, Luca Laghi, Mario Latronico, Francesco Longobardi, Claudio Luchinat, Domenico Mallamace, Stefano Mammi, Walter Mandaliti, Federico Marini, Pietro Mastroiilli, Pierluigi Mazzei, Alfredo Miccheli, Alessandra Micozzi, Salvatore Milone, Adele Mucci, Ridvan Nepravishta, Maurizio Paci, Angelica Palisi, Alessandro Piccolo, Gianfranco Picone, Noemi Proietti, Antonio Randazzo, Valeria Righi, Archimede Rotondo, Andrea Salvo, Francesco Savorani, Paola Scano, , Elisabetta Schievano, Fabio Sciubba, Leonardo Tenori, Alessia Trimigno, Paola Turano, Sebastiano Vasi and Donatella Capitani/titolo:NMR Applications in Food Analysis: Part B/titolo_volume:Analytical Chemistry: Developments, Applications and Challenges in Food Analysis/curatori_volume:Marcello Locatelli and Christian Celia/editore:

/anno:2017

12)-NMR Applications in Food Analysis: Part A

Anatoly Petrovich Sobolev; Luisa Mannina; Violetta Aru; Alessia Bellomaria; Fabio Bertocchi; Bruno Botta; Laura Ruth Cagliani; Augusta Caligiani; Francesco Capozzi; Dorisa Çela; Flaminia Cesare Marincola; Alessandra Ciampa; Laura Del Coco; Roberto Consonni; Carmelo Corsaro; Maurizio Delfini; Valeria Di Tullio; Francesco Paolo Fanizzi; Vito Gallo; Francesca Ghirga; Raffaella Gianferri; Chiara Roberta Girelli; Cinzia Ingallina; Luca Laghi; Mario Latronico; Francesco Longobardi; Claudio Luchinat; Domenico Mallamace; Stefano Mammi; Walter Mandaliti; Federico Marini; Pietro Mastrorilli; Pierluigi Mazzei; Alfredo Miccheli; Alessandra Micozzi; Salvatore Milone; Adele Mucci; Ridvan Nepravishta; Maurizio Paci; Angelica Palisi; Alessandro Piccolo; Gianfranco Picone; Noemi Proietti; Antonio Randazzo; Valeria Righi; Archimede Rotondo; Andrea Salvo; Francesco Savorani; Paola Scano; ; Elisabetta Schievano; Fabio Sciubba; Leonardo Tenori; Alessia Trimigno; Paola Turano; Sebastiano Vasi; Donatella CapitanisubjectNMRsubjectfood sciencesubjectfood compositionsubjectchemometrics

Analytical Chemistry: Developments, Applications and Challenges in Food Analysis, edited by Marcello Locatelli and Christian Celia. New York: Nova Science Publishers, Inc., 2017

https://www.novapublishers.com/catalog/product_info.php?products_id=62688

info:cnr-pdr/source/autori:Anatoly Petrovich Sobolev, Luisa Mannina, Violetta Aru, Alessia Bellomaria, Fabio Bertocchi, Bruno Botta, Laura Ruth Cagliani, Augusta Caligiani, Francesco Capozzi, Dorisa Çela, Flaminia Cesare Marincola, Alessandra Ciampa, Laura Del Coco, Roberto Consonni, Carmelo Corsaro, Maurizio Delfini, Valeria Di Tullio, Francesco Paolo Fanizzi, Vito Gallo, Francesca Ghirga, Raffaella Gianferri, Chiara Roberta Girelli, Cinzia Ingallina, Luca Laghi, Mario Latronico, Francesco Longobardi, Claudio Luchinat, Domenico Mallamace, Stefano Mammi, Walter Mandaliti, Federico Marini, Pietro Mastrorilli, Pierluigi Mazzei, Alfredo Miccheli, Alessandra Micozzi, Salvatore Milone, Adele Mucci, Ridvan Nepravishta, Maurizio Paci, Angelica Palisi, Alessandro Piccolo, Gianfranco Picone, Noemi Proietti, Antonio Randazzo, Valeria Righi, Archimede Rotondo, Andrea Salvo, Francesco Savorani, Paola Scano, , Elisabetta Schievano, Fabio Sciubba, Leonardo Tenori, Alessia Trimigno, Paola Turano, Sebastiano Vasi and Donatella Capitani/titolo:NMR Applications in Food Analysis: Part A/titolo_volume:Analytical Chemistry: Developments, Applications and Challenges in Food Analysis/curatori_volume:Marcello Locatelli and Christian Celia/editore:

/anno:2017

13)-Characterization of Pathogenic Amyloids by Tip Enhanced Raman Spectroscopy

Cristiano D'Andrea1; *; Antonino Foti2; Maximillien Cottat1; Marella De Angelis1; Fabrizio Chiti3; Roberto Pini1; Pietro Giuseppe Gucciardi2 Paolo Matteini1subjectTermsubjectRamansubjectOligomerssubjectBiosensing
ICES 2017 - International Conference on Enhanced Spectroscopies, pp. 28–28, Munich, 03/09/2017,07/09/2017

<http://www.ices2017.cup.uni-muenchen.de/site/assets/files/1038/programm-1.pdf>

info:cnr-pdr/source/autori:Cristiano D'Andrea1,*,

Antonino Foti2,

Maximillien Cottat1,

Marella De Angelis1,

Fabrizio Chiti3,

Roberto Pini1,

Pietro Giuseppe Gucciardi2

Paolo Matteini1/congresso_nome:ICES 2017 - International Conference on Enhanced Spectroscopies/congresso_luogo:Munich/congresso_data:03/09/2017,07/09/2017/anno:2017/pagina_da:28/pagina_a:28/intervallo_pagine:28–28

14)-Magnetically Targeted Delivery of Sorafenib to Liver Using Solid Lipid Nanoparticles for Treatment of Hepatocellular Carcinoma

Nicoletta Depalo(a); Fabio Vischio(a); Ilaria Arduino(b); Silvia Villa(c); Fabio Canepa(c); Elisabetta Fanizza(a; d); Byung Chul Lee(e); Valentino Laquintana(b); Angela Lopodota(b); Annalisa Cutrignelli(b); Maria Principia Scavo(f); Marinella Striccoli(a); Angela Agostiano(a; d); M. Lucia Curri(a); Nunzio Denora(b)subjectDrug deliverysubjectSorafenibsubjectMagnetic nanoparticles

ANNIC 2017, Roma, 18-20/10/2017

<http://www.cnr.it/prodotto/i/377884>

info:cnr-pdr/source/autori:Nicoletta Depalo(a), Fabio Vischio(a), Ilaria Arduino(b), Silvia Villa(c), Fabio Canepa(c), Elisabetta Fanizza(a,d), Byung Chul Lee(e), Valentino Laquintana(b), Angela Lopodota(b), Annalisa Cutrignelli(b), Maria Principia Scavo(f), Marinella Striccoli(a), Angela Agostiano(a,d), M. Lucia Curri(a), Nunzio Denora(b)/congresso_nome:ANNIC 2017/congresso_luogo:Roma/congresso_data:18-20/10/2017/anno:2017/pagina_da:/pagina_a:/intervallo_pagine:

15)-Magnetic Lipid Based Nanovectors for the Targeted Delivery of Sorafenib towards Treatment of Hepatocellular Carcinoma

Nicoletta Depalo(a); Fabio Vischio(a); Ilaria Arduino(b); Rosa Maria Iacobazzi(f); Silvia Villa(c); Fabio Canepa(c); Elisabetta Fanizza(a; d); Byung Chul Lee(e); Valentino Laquintana(b); Marinella Striccoli(a); Angela Agostiano(a; d); Nunzio Denora(b); M. Lucia Curri(a)subjectDrug deliverysubjectSorafenibsubjectMagnetic nanoparticles

CONFERENZA DI DIPARTIMENTO 2017, DSCTM, Alghero, 19-20/10/2017

<http://www.cnr.it/prodotto/i/377904>

info:cnr-pdr/source/autori:Nicoletta Depalo(a), Fabio Vischio(a), Ilaria Arduino(b), Rosa Maria Iacobazzi(f), Silvia Villa(c), Fabio Canepa(c), Elisabetta Fanizza(a,d), Byung Chul Lee(e), Valentino Laquintana(b), Marinella Striccoli(a), Angela Agostiano(a,d), Nunzio Denora(b), M. Lucia Curri(a)/congresso_nome:CONFERENZA DI DIPARTIMENTO 2017, DSCTM/congresso_luogo:Alghero/congresso_data:19-20/10/2017/anno:2017/pagina_da:/pagina_a:/intervallo_pagine:

16)-CONTROL APPARATUS FOR CONTROLLING THE DOSING OF A CHROMOPHORIC AGENT IN A CORNEAL TISSUE AND PROCESS FOR DOSING A CHROMOPHORIC AGENT IN A CORNEAL TISSUE

Marco Lombardo;

WO2017/130043, Internazionale

<http://www.cnr.it/prodotto/i/383560>

17)-Biomedical application di "hot" gold nanorods/DNA complexes

Annesi F1.; Pane A1.; Qualtieri A.2; Placido T.3; Basta F.1; Comparelli R.3; Caracciolo G.4; Pozzi D.4; Curri M.L.3; Agostiano A.3; 5; De Sio L.1; 6; Bartolino R.7; 8subjectgold nanorodsubjectplasmon resonancesubjectDNA

NOMA 2017, "Novel Optical Materials and Applications" 13th Mediterranean Workshop and Topical Meeting, June 4-10, 2017

<http://www.cnr.it/prodotto/i/385344>

info:cnr-pdr/source/autori:Annesi F1., Pane A1., Qualtieri A.2, Placido T.3, Basta F.1, Comparelli R.3, Caracciolo G.4, Pozzi D.4, Curri M.L.3, Agostiano A.3,5, De Sio L.1,6, Bartolino R.7,8/congresso_nome:NOMA 2017, "Novel Optical Materials and Applications" 13th Mediterranean Workshop and Topical Meeting/congresso_luogo:/congresso_data:June 4-10, 2017/anno:2017/pagina_da:/pagina_a:/intervallo_pagine:

18)-Magnetic Nanoparticles tailored with Peptides/Amphiphilic Cyclodextrins assemblies: from Amyloid- detection to theranostic applications.

Mazzaglia A; Giuseppe Sortino; G.; Zagami; R.; Tosto; R.; Di Natale; G.; Tomasello; M. F.; Cervello; M.; Gouhier; G.; Villari; V.; Micali; N.; Pappalardo; G.subjectMagnetic NanoparticlessubjectAmyloid -BetasubjectCyclodextrins

5Th Conference on Cyclodextrins, Lisbon, 3rd-5th October

<http://www.cnr.it/prodotto/i/385912>

info:cnr-pdr/source/autori:Mazzaglia A, Giuseppe Sortino, G., Zagami, R., Tosto, R., Di Natale, G., Tomasello, M. F., Cervello, M., Gouhier, G., Villari, V., Micali, N., Pappalardo, G./congresso_nome:5Th Conference on Cyclodextrins/congresso_luogo:Lisbon/congresso_data:3rd-5th October/anno:2017/pagina_da:/pagina_a:/intervallo_pagine: