

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; Gnani, Sara; Ruini, F.; Gambarotta, Giovanna; Gioffredi, Emilia; Chiono, Valeria; Perroteau, Isabelle; Ciardelli, Gianluca
SUBJECT Agar SUBJECT Gelatin SUBJECT Glial-like cells
SUBJECT Hydrogel SUBJECT Injectable SUBJECT Peripheral 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.
SUBJECT TiO₂-based nanostructured catalyst SUBJECT Contaminants of Emerging Concern
SUBJECT Electrical Energy per Order SUBJECT Photocatalysis SUBJECT Toxicity SUBJECT Transformation Products.
Chemical engineering journal (Print) 318 (2017): 103–111.
<https://dx.doi.org/10.1016/j.cej.2016.05.125>

3)-Silibinin-conjugated graphene nanoplateform: 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
SUBJECT Silibinin SUBJECT Graphene SUBJECT Bioconjugation SUBJECT Click chemistry
SUBJECT Osteosarcoma
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
SUBJECT Cotton Textiles SUBJECT Mesoporous Titania SUBJECT Photocatalytic Activity SUBJECT Self-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 Comparelli
SUBJECT colloidal

nanocrystalsSUBJECTphotocatalysisSUBJECTlimestoneSUBJECTcoatingSUBJECTself-cleaningSUBJECThydrophobicitySUBJECTstone 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. ComparelliSUBJECTnanocrystalline 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.SUBJECTnanocompositesSUBJECTMMTSUBJECTLDHSUBJECTPLASUBJECTtailor-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. Gulino a; d; V. Villari c; N. Micali c; S. Millesia; d; C. Satriano a; E. Scamporrino aSUBJECTPorphyrin;SUBJECTGold;SUBJECTSinglet oxygen;SUBJECTHuman 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. MarcoSUBJECTAB-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, FranzSUBJECTthermodynamicsSUBJECTintegral equationsSUBJECTanomalous behaviorsSUBJECTfluid 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. SUBJECT Membrane Distillation SUBJECT MDS SUBJECT thermal membrane process SUBJECT Direct 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, Marco SUBJECT femtosecond laser SUBJECT cataract incision SUBJECT surgery

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 SUBJECT Descemet's membrane SUBJECT Endothelial keratoplasty SUBJECT Two-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 Nanoplatfom-Based Transepithelial Riboflavin/UV-A Corneal Cross-Linking

Labate, Cristina; Lombardo, Marco; Lombardo, Giuseppe; De Santo, Maria Penelope SUBJECT corneal biomechanical response SUBJECT atomic force microscopy SUBJECT Young modulus SUBJECT corneal 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, StefanSUBJECTultrananocluster 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, GudaSUBJECTmnolayer protected clustersSUBJECToptical spectrumSUBJECTanisotropic 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-Piñeiro, J.; Vázquez-Vázquez, C.; Correa-Duarte, M. A.; Donato, M. G.; Gucciardi, P. G.; Saija, R.; Strangi, G.; Maragò, O. M.SUBJECTCORE-SHELL NANOPARTICLESSUBJECTGOLD NANOPARTICLESSUBJECTRAMAN-SPECTROSCOPYSUBJECTREFRACTIVE-INDEXSUBJECTTWEEZERSUBJECTNANOSTRUCTURESSUBJECTPARTICLESSUBJECTSCATTERINGSUBJECTNANORODSSUBJECTAU
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 AntoniaSUBJECTplasmon resonanceSUBJECTgold nanoparticlesSUBJECTMie theorySUBJECTplasmon sensingSUBJECTSERSUBJECTnear-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.SUBJECTplasmonicaSUBJECTSERSUBJECTfield-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 polyurethaneSUBJECTCatalysisSUBJECTOne-pot synthesisSUBJECTOxidation

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 dynamics SUBJECTPlasma synthesis SUBJECTReactive force field SUBJECTSi nanoparticle 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.; Inghoso, C.; Placido, T.; Striccoli, M.; Curri, M. L.; Agostiano, A.; Comparelli, R. SUBJECTNanocomposite SUBJECTPhotocatalysis SUBJECTTitanium dioxide SUBJECTSelf-cleaning SUBJECTWater treatment 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

remediation SUBJECTHeterostructures SUBJECTNanomaterials SUBJECTNO_x

SUBJECTOrganic pollutants SUBJECTPhotocatalysis SUBJECTSelf-cleaning surfaces SUBJECTSunlight SUBJECTTitanium dioxide 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 response 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; Niranjan 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 Garcia Fernández; Maria Teresa Sciortino; Luigi Monsù ScolaroSUBJECTphotosensitizersSUBJECTcyclodextrinsSUBJECTnanoassembliesSUBJECTfluorescence 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.SUBJECTTraman 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, GiuseppeSUBJECTTwo 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, MarcoSUBJECTcone 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, AlessandroSUBJECTPROTECTED 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

Au³⁸(SCH₂CH₂Ph)²⁴

to

Au³⁰(S-tBu)¹⁸ Nanomolecules

Rambukwella, Milan; Sementa, Luca; Fortunelli, Alessandro; Dass, AmalaSUBJECTTHEORETICAL-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, HaraldSUBJECTErrata Corrige

The Journal of chemical physics 147 (2017): 5001985.

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

43)-Intense fluorescence of Au²⁰

Yu, Chongqi; Harbich, Wolfgang; Sementa, Luca; Ghiringhelli, Luca; Aprá, Edoardo; Stener, Mauro; Fortunelli, Alessandro; Brune, HaraldSUBJECTGOLD 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
SUBJECTMagnetic 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.
SUBJECThigh-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.
SUBJECThigh-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.
SUBJECTbiocompatibilitySUBJECTcross-linkingSUBJECTfunctionalizationSUBJECTnanoparticleSUBJECTReaxFF
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
SUBJECTDeep eutectic solventsSUBJECTCholine chlorideSUBJECTMembrane proteinSUBJECTReaction centersSUBJECTPhotosynthesis
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. SUBJECTheavy 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 acid SUBJECTAuNP stabilization SUBJECTReactive Force
Field SUBJECTSurface 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
complex SUBJECTPhotosynthesis SUBJECTPhotosynthetic reaction centre SUBJECTProton
gradient SUBJECTSynthetic biology SUBJECTSynthetic 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 nanoparticles SUBJECTEmbryotoxicity 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-
Amyloid SUBJECTbeta-sheet breaker SUBJECTporphyrin derivative SUBJECTSpectroscopic
techniques SUBJECTToxicity 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, Mario SUBJECTwater SUBJECTinterface

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, MarioSUBJECTInterferometrySUBJECTCapillary 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 RuzickaSUBJECTColloidal dispersionsSUBJECTMicrogelsSUBJECTSwelling behaviorSUBJECTDynamic 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 microscopySUBJECTNO_x storage catalystsSUBJECTThermal 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, NicolaSUBJECTDifferential scanning calorimetrySUBJECTeVOOSUBJECTTraceabilitySUBJECTPCA

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Alessia Irrera 1; Antonio Alessio Leonardi 1; 2; 3; 4; Cinzia Di Franco 5; Maria José Lo Faro 1; Gerardo Palazzo 6; Cristiano D'Andrea 1; 7; Kyriaki Manoli 5; Giorgia Franzo 3; Paolo Musumeci 2; Barbara fazio 1; Luisa Torsi 6; Francesco Priolo 2; 3; 8SUBJECTSiliconSUBJECTNanowiresSUBJECTBiosensorSUBJECTPhotoluminescenceSUBJECTC-Reactive Protein

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Righetti, Maria Cristina; Gazzano, Massimo; Delpouve, Nicolas; Saiter, Allisson

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

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SUBJECTdinamica molecolare quantistica non adiabatica

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SUBJECTpoly(vinyl butyral) dielectric spectroscopy NMR relaxometry

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SUBJECTAFMSUBJECTnanocompositesSUBJECTRaman

spectroscopySUBJECTSEMSUBJECTthin filmsSUBJECTXPSSUBJECTXRD

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SUBJECTSECONDARY RELAXATION; FORMING SYSTEMS; METALLIC-GLASS; IONIC LIQUID; TRANSITION; DYNAMICS; TOLUENE; TEMPERATURE; CRYSTALS; CLUSTERS

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SUBJECTOptical binding nanowiresSUBJECTBrownian motionSUBJECTself-organizationSUBJECTnonequilibrium thermodynamicsSUBJECTnonequilibrium steady stateSUBJECTspin-orbit couplingSUBJECTEmergent phenomena

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Torrise, L.; Ceccio, G.; Restuccia, N.; Messina, E.; Gucciardi, P. G.; Cutroneo, M. SUBJECT Advanced targets SUBJECT Au NP SUBJECT Graphene SUBJECT Laser-generated plasma SUBJECT Time-of-flight measurements
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Iati, M. A.; Saija, R.; Marago, O. M.; Denti, P. SUBJECT Light scattering SUBJECT T-matrix SUBJECT Interstellar dust SUBJECT Aerosol science SUBJECT Plasmonics SUBJECT Mechanical effects of light SUBJECT Optical trapping
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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. SUBJECT NIR emitting quantum dots SUBJECT silica-coated nanoprobes SUBJECT cyclic RGD peptide SUBJECT Alpha nu beta 3 integrin receptor SUBJECT targeted imaging
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Foti A.; D'Andrea C.; Toma A.; Fazio B.; Messina E.; Marago O.M.; Di Fabrizio E.; de La Chapelle M.L.; Gucciardi P.G. SUBJECT --
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Arena, Francesco; Di Chio, Roberto; Fazio, Barbara; Espro, Claudia; Spiccia, Leone; Palella, Alessandra; Spadaro, Lorenzo SUBJECT Nanostructured MnCeOx catalysts SUBJECT Structural and electronic effects SUBJECT CO oxidation SUBJECT Structure-activity relationships SUBJECT Active sites
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Vincenzo De Leo and Monica Mattioli-Belmonte and Maria Teresa Cimmarusti and Annamaria Panniello and Manuela Dicarlo and Francesco Milano and Angela Agostiano and Elvira De Giglio and Lucia Catucci SUBJECT Titanium SUBJECT Liposomes SUBJECT Supported vesicular layers SUBJECT Covalently bonded vesicular layers SUBJECT Surface-mediated drug delivery SUBJECT MG63 cells

Colloids and surfaces. B, Biointerfaces (Print) 158 (2017): 387–396.

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Katava; Marina; Stirnemann; Guillaume; Zanatta; Marco; Capaccioli; Simone; Pachetti; Maria; Ngai; K. L.; Sterpone; Fabio; Paciaroni; Alessandro SUBJECT neutron scattering; molecular dynamics simulation; protein dynamics; Lindemann criterion; cell thermal stability

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Ngai; K. L.; Capaccioli; S.; Cao; C. R.; Bai; H. Y.; Wang; W. H. SUBJECT Metallic glass; Surface diffusion; Coupling model

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Ngai; K. L.; Capaccioli; S.; Paciaroni; A. SUBJECT Hydrated protein dynamics; Neutron scattering; Protein dynamical transition; Secondary relaxation of hydration water; Myoglobin; Lysozyme; Bovine serum albumin; Bio-protectants

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Altamura, Emiliano; Milano, Francesco; Tangorra, Roberto R.; Trotta, Massimo; Omar, Omar Hassan; Stano, Pasquale; Mavelli, Fabio SUBJECT photosynthetic reaction

centerSUBJECTgiant lipid vesiclesSUBJECTartificial cellsSUBJECTlight transductionSUBJECTproton gradient

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C. Andreani; beg F. Aliotta; b L. Arcidiacono; e M. Borla; f D. Di Martino; h F. Facchetti; d E. Ferraris; d G. Festa; *e G. Gorini; h W. Kockelmann; j J. Kelleher; j D. Malfitana; a D. Micieli; i T. Minniti; *j E. Perelli Cippo; c R. Ponterio; b G. Salvato; b R. Senesi; beg V. Turina; d C. Vasi; b; C. Greco; dSUBJECTneutronSUBJECTpottery

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De Leo, Vincenzo; De Leo, Vincenzo; Catucci, Lucia; Catucci, Lucia; Di Mauro, A. Evelyn; Agostiano, Angela; Agostiano, Angela; Giotta, Livia; Trotta, Massimo; Milano, FrancescoSUBJECTDenaturationSUBJECTIntegral membrane proteinsSUBJECTReaction CenterSUBJECTRhodobacter sphaeroidesSUBJECTUltrasound

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84)-Combined experimental and DFT-TDDFT investigation on anthocyanidins for application in dye-sensitised solar cells

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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Irrera, Alessia; Lo Faro, Maria Jose; D'Andrea, Cristiano; Leonardi, Antonio Alessio; Artoni, Pietro; Fazio, Barbara; Picca, Rosaria Anna; Cioffi, Nicola; Trusso, Sebastiano; Franzo, Giorgia; Musumeci, Paolo; Priolo, Francesco; Iacona, FabioSUBJECTSi nanowiresSUBJECTphotonic applicationsSUBJECTphotoluminescenceSUBJECTmetal-

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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, AntoninoSUBJECTphotosensitizersSUBJECTcyclodextrinSUBJECTOptical 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, FernandoSUBJECTDSSCSUBJECTFlavilioSUBJECTtrasferimento di carica
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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, PaolaSUBJECTMartensiteSUBJECTNeutron diffractionSUBJECTOrthodontic archwireSUBJECTPhase transformationSUBJECTStainless steel
Dental materials journal 36 (2017): 282–288.
<https://dx.doi.org/10.4012/dmj.2016-206>

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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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<https://dx.doi.org/10.1016/j.molliq.2016.12.022>

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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 Contamination level Arctic fjord Biodegradation
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Kiselev M.A.; Lombardo D.SUBJECTBio-membranesSUBJECTLipids and phospholipidsSUBJECTLiposomesSUBJECTSmall angle neutron scatteringSUBJECTSmall angle X-ray scattering
Biochimica et biophysica acta. G, General subjects (Print) 1861 (2017): 3700–3717.
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Barreca D.; Lagana G.; Toscano G.; Calandra P.; Kiselev M.A.; Lombardo D.; Bellocco E. SUBJECT Flavonoid SUBJECT Fluorescence SUBJECT FTIR SUBJECT Human serum albumin SUBJECT Oxidative stresses and protein fibrillation SUBJECT Thermodynamic and kinetic variations.

Biochimica et biophysica acta. G, General subjects (Print) 1861 (2017): 3531–3539.

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Rogolino P.; Farsaci F. SUBJECT.

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Farsaci F.; Tellone E.; Russo A.; Galtieri A.; Ficarra S. SUBJECT Blood SUBJECT Erythrocytes SUBJECT Non-equilibrium thermodynamic SUBJECT Ultrasound

Journal of molecular liquids (Print) 231 (2017): 206–212.

<https://dx.doi.org/10.1016/j.molliq.2017.02.001>

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Mastronardo, Emanuela; Bonaccorsi, Lucio; Kato, Yukitaka; Piperopoulos, Elpida; Lanza, Maurizio; Milone, Candida SUBJECT Thermochemical storage SUBJECT Deposition-precipitation SUBJECT Reverse deposition-precipitation SUBJECT Magnesium hydroxide SUBJECT Exfoliated graphite

Applied thermal engineering 120 (2017): 626–634.

<https://dx.doi.org/10.1016/j.applthermaleng.2017.04.004>

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Rees T.W.; Liao J.; Sinopoli A.; Male L.; Calogero G.; Curchod B.F.E.; Baranoff E. SUBJECT Solae Energy

Inorganic chemistry (Online) 56 (2017): 9903–9912.

<https://dx.doi.org/10.1021/acs.inorgchem.7b01412>

101)-A New Non-Equilibrium Thermodynamic Fractional Visco-Inelastic Model to Predict Experimentally Inaccessible Processes and Investigate Pathophysiological Cellular Structures

Farsaci; Francesco; Ficarra; Silvana; Galtieri; Antonio; Tellone; Ester
SUBJECTnon-equilibrium thermodynamics
SUBJECTfractional models
SUBJECTpathophysiological cellular structures
SUBJECTHUMAN BLOODS
SUBJECTVISCOANELASTIC MEDIAS
SUBJECTORDER ONES
SUBJECTMEMORY
FLUIDS 2 (2017).

<https://dx.doi.org/10.3390/fluids2040059>

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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, Pietro
SUBJECTColloidal stability
SUBJECTMulti walled carbon nanotubes (MWCNT)
SUBJECTMWCNT functionalization
SUBJECTPlasma processing
SUBJECTPowders functionalization
SUBJECTSurface characterization

Journal of colloid and interface science (Print) 491 (2017): 255–264.

<https://dx.doi.org/10.1016/j.jcis.2016.12.039>

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Nicoletta Barbani; Elisabetta Rosellini; Marco Donati; Paolo Costantino; Caterina Cristallini; Gianluca Ciardelli
SUBJECTD-manno-octulosonate; vaccine purification

Polymer international (Online) 66 (2017): 900–907.

<https://dx.doi.org/10.1002/pi.5334>

104)-Sorafenib delivery nanoplatform based on superparamagnetic iron oxide nanoparticles magnetically targets hepatocellular carcinoma

Depalo, Nicoletta; Iacobazzi, Rosa Maria; Valente, Gianpiero; Arduino, Ilaria; Villa, Silvia; Canepa, Fabio; Laquintana, Valentino; Fanizza, Elisabetta; Striccoli, Marinella; Cutrignelli, Annalisa; Lopodota, Angela; Porcelli, Letizia; Azzariti, Amalia; Franco, Massimo; Curri, Maria Lucia; Denora, Nunzio
SUBJECTsuperparamagnetic iron oxide nanoparticles
SUBJECTpoly(ethylene glycol) (PEG)-modified phospholipid micelles
SUBJECTdrug delivery
SUBJECTmagnetic targeting
SUBJECTThepatocellular carcinoma
SUBJECTsorafenib

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105)-Enhanced photoactivity and conductivity in transparent TiO₂ nanocrystals/graphene hybrid anodes

Ingrosso, C.; Bianco, G. V.; Pifferi, V.; Guffanti, P.; Petronella, F.; Comparelli, R.; Agostiano, A.; Striccoli, M.; Palchetti, I.; Falcicola, L.; Curri, M. L.; Bruno, G.
SUBJECTSENSITIZED

SOLAR-CELLS; GRAPHENE ELECTROCHEMISTRY; CVD GRAPHENE; LAYER; FILMS; ELECTRODES; PHOTOANODES; PERFORMANCE; INTERFACE; SENSORS
Journal of Materials Chemistry A 5 (2017): 9307–9315.
<https://dx.doi.org/10.1039/c7ta01425b>

106)-Design, fabrication and characterization of composite piezoelectric ultrafine fibers for cochlear stimulation

Mota, Carlos; Labardi, Massimiliano; Trombi, Luisa; Astolfi, Laura; D'Acunto, Mario; Puppi, Dario; Gallone, Giuseppe; Chiellini, Federica; Berrettini, Stefano; Bruschini, Luca; Danti, Serena
SUBJECTElectrospinningSUBJECTBarium titanateSUBJECTPolyvinylidene fluorideSUBJECTAligned fibersSUBJECTNeural cellsSUBJECTTransducer
Materials & design 122 (2017): 206–219.
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107)-Mo.nalis.a: a methodological approach to identify how to meet thermal industrial needs using already available geothermal resources

Delia Evelina Bruno; Lombardo Giuseppe; Di Sipio Eloisa; Galgaro Antonio; D'Arpa Stefania; Destro Elisa; Passarella Giuseppe; Barca Emanuele; Uricchio Vito Felice; Manzella Adele
SUBJECTGeothermal heat . Industrial thermal needs . Energetic model . Renewable energy. Groundwater and ground source heat pumps
Energy efficiency (Print) (2017).
<https://dx.doi.org/10.1007/s12053-016-9481-4>

108)-Crystallization of Polymers Investigated by Temperature-Modulated DSC

Righetti, Maria Cristina
SUBJECTpolymerSUBJECTcrystallizationSUBJECTdifferential scanning calorimetrySUBJECTtemperature-modulated differential scanning calorimetrySUBJECTreversing meltingSUBJECTreversible meltingSUBJECTcrystalline fractionSUBJECTmobile amorphous fractionSUBJECTrigid amorphous fraction
Materials (Basel) 10 (2017).
<https://dx.doi.org/10.3390/ma10040442>

109)-Endothermic features on heating of glasses show that the second glass to liquid transition of water was phenomenologically-mistaken

Righetti, Maria Cristina; Tombari, Elpidio; Johari, G. P.
SUBJECTGlass transitionSUBJECTWaterSUBJECTPolymerSUBJECTGlass phenomenology
Thermochimica Acta 647 (2017): 101–110.
<https://dx.doi.org/10.1016/j.tca.2016.11.011>

110)-Photolithography based on nanocrystals

Striccoli; Marinella
SUBJECTNanocrystalsSUBJECTPhotolithography
Science (N. Y., N.Y.) 357 (2017): 353–354.
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- 111)-A push-pull silafluorene fluorophore for highly efficient luminescent solar concentrators**
 Gianfaldoni, Federico; De Nisi, Francesca; Iasilli, Giuseppe; Panniello, Annamaria; Fanizza, Elisabetta; Striccoli, Marinella; Ryuse, Daiki; Shimizu, Masaki; Biver, Tarita; Pucci, Andrea
 SUBJECTsolar concentratorsSUBJECTFluorophores
RSC advances 7 (2017): 37302–37309.
<https://dx.doi.org/10.1039/c7ra08022k>
- 112)-Modification of Gold Electrodes with Bacterial Reaction Centres Immobilized by Laser Induced Forward Transfer (LIFT) Technique for Amperometric Herbicide Detection**
 Guascito, M. R.; Chatzipetrou, M.; Chirizzi, D.; Trotta, M.; Massaouti, M.; Giotta, L.; Milano, F.; Zergioti, I.
 SUBJECTPhotosynthetic reaction centreSUBJECTRhodobacter sphaeroidesSUBJECTphotocurrentSUBJECTinhibition type amperometric biosensorSUBJECTHerbicide
Procedia technology 27 (2017): 195–196.
<https://dx.doi.org/10.1016/j.protcy.2017.04.083>
- 113)-Ultrasound-activated piezoelectric P(VDF-TrFE)/boron nitride nanotube composite films promote differentiation of human SaOS-2 osteoblast-like cells**
 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
Nanomedicine (Online) 14 (2017): 2421–2432.
<https://dx.doi.org/10.1016/j.nano.2017.05.006>
- 114)-Ab initio modelling of oxygen vacancy arrangement in highly defective HfO₂ resistive layers**
 Sementa; Luca; Larcher; Luca; Barcaro; Giovanni; Montorsi; Monia
 SUBJECTMEMORYSUBJECTRRAM; DYNAMICS
PCCP. Physical chemistry chemical physics (Print) 19 (2017): 11318–11325.
<https://dx.doi.org/10.1039/c7cp01216k>
- 115)-Enhancing the molecular cooperativity of polyvinyl butyral using liquid additives**
 Carini G.; Carini G.; D'Angelo G.; Federico M.; Marco G.D.; Bartolotta A.
 SUBJECTactivation entropy; dielectric relaxations; mechanical relaxations; polyvinyl butyral
Journal of polymer science. Part B, Polymer physics (2017).
<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>

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 equilibriumSUBJECTUBIQUINONESUBJECTENERGYSUBJECTBINDING

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, AlessandroSUBJECTBand gapSUBJECTDensity functional theory (DFT)SUBJECTDensity of statesSUBJECTHubbard HamiltonianSUBJECTMetallizationSUBJECTPolaritySUBJECTReducible oxideSUBJECTRumplingSUBJECTStoichiometry StructureSUBJECTSurface dipoleSUBJECTWork 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 CalucciSUBJECTpoly(vinyl butyral)SUBJECTdielectric spectroscopySUBJECT¹H 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, ClaudiaSUBJECTLDPESUBJECTsolid state NMRSUBJECTNMR relaxometrySUBJECTnanocomposite

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. BertoldoSUBJECTnanomaterialsSUBJECTJanus particlesSUBJECTpolysaccharides

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 BertoldoSUBJECTMicrogelsSUBJECTneutron scatteringSUBJECTDSC

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,

RobertoSUBJECTDNASUBJECTHolographySUBJECTNanomaterialsSUBJECTPlasmonics
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); 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 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 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: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 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: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 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 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 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 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 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 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 Mastroianni; 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 Capitani

SUBJECTNMRSUBJECTfood 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 Mastroianni, 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 Matteini1SUBJECTTersSUBJECTRamanSUBJECTOligomersSUBJECTBiosensing
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 Lopedota(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 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: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), Iliara 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 nanorodsSUBJECTplasmon 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:

