

Peer-reviewed journal articles

1)-Unconventionally shaped chromonic liquid crystals formed by novel silver(I) complexes

Pucci, Daniela; Mendiguchia, Barbara Sanz; Tone, Caterina Maria; Szerb, Elisabeta Ildyko; Ciuchi, Federica; Gao, Min; Ghedini, Mauro; Crispini, Alessandrasubjectchromonic liquid crystalsubjectsilver complexes

Journal of materials chemistry c 2 (2014): 8780–8788.

<https://dx.doi.org/10.1039/C4TC01736F>

2)-Conformationally disordered crystals and their influence on material properties: The cases of isotactic polypropylene, isotactic poly(1-butene), and poly(L-lactic acid)

Mariacristina Cocca; René Androsch; Maria Cristina Righetti; Mario Malinconico; Maria Laura Di LorenzsubjectCrystal polymorphism; Conformational disorder; Condis mesophase; Isotactic polypropylene; Isotactic poly(1-butene); Poly(L-lactic acid)

Journal of molecular structure (Print) (2014).

<https://dx.doi.org/10.1016/j.molstruc.2014.02.038>

3)-Rigid amorphous fraction and melting behavior of poly(ethylene terephthalate)

Maria Cristina Righetti; Michele Laus; Maria Laura Di Lorenzo

Colloid and polymer science (Print) 292 (2014): 1365–1374.

<https://dx.doi.org/10.1007/s00396-014-3198-8>

4)-Temperature Dependence of the Rigid Amorphous Fraction in Poly(ethylene terephthalate)

Maria Cristina Righetti; Michele Laus; Maria Laura Di Lorenzo

European Polymer Journal 58 (2014): 60–68.

<https://dx.doi.org/10.1016/j.eurpolymj.2014.06.005>

5)-Variability of the health effects of crystalline silica:Fe speciation in industrial quartz reagents and suspended dusts-insights from XAS spectroscopy.

Di Benedetto F.[1]; D'Acapito F.[2]; Capacci F.[3]; Fornaciai G. [4]; Innocenti M.[4; 5]; Montegrossi G.[6]; Oberhauser W.[5]; Pardi L.A. [7]; Romanelli M. [1]subjectCrystalline silicasubjectquartzsubjectFe speciationsubjectindustrial samplesubjectreactivity in airsubjectX-ray absorption spectroscopy

Physics and chemistry of minerals 41 (2014): 215–225.

<https://dx.doi.org/10.1007/s00269-013-0640-2>

6)-Characterization of an amylose-graft-poly(n-butyl methacrylate) copolymer obtained by click chemistry by EPR and SS-NMR spectroscopies

Borsacchi S.; Calucci L.; Geppi M.; La Terra F.; Pinzino C.; Bertoldo M.subjectAmylosesubjectClick chemistrysubjectGraft copolymerssubjectMAS NMRsubjectNuclear relaxation timesubjectPBMA

Carbohydrate polymers 112 (2014): 245–254.

<https://dx.doi.org/10.1016/j.carbpol.2014.05.086>

7)-SERS Enhancement and Field Confinement in Nanosensors Based on Self-Organized Gold Nanowires Produced by Ion-Beam Sputtering

D'Andrea, C.; Fazio, B.; Gucciardi, P. G.; Giordano, M. C.; Martella, C.; Chiappe, D.; Toma, A.; de Mongeot, F. Buatier; Tantussi, F.; Vasanthakumar, P.; Fuso, F.; Allegrini, M.subjectRaman-scatteringsubjectnear-fieldsubjectsurface-plasmonsubjectsilver nanoparticlessubjectmethylene-blue

Journal of physical chemistry. C 118 (2014): 8571–8580.

<https://dx.doi.org/10.1021/jp5007236>

8)-Temperature chaos and quenched heterogeneities

Barucca P.; Parisi G.; Rizzo T.subjectTemperature ChaossubjectSpin-Glass

Physical review. E, Statistical, nonlinear, and soft matter physics (Print) 89 (2014).

<https://dx.doi.org/10.1103/PhysRevE.89.032129>

9)-Diluted mean-field spin-glass models at criticality

Parisi G.; Ricci-Tersenghi F.; Rizzo T.subjectcavity and replica methodsubjectclassical phase transitions (theory)subjectdisordered systems (theory)subjectspin glasses (theory)

Journal of statistical mechanics 2014 (2014).

<https://dx.doi.org/10.1088/1742-5468/2014/04/P04013>

10)-One-dimensional disordered Ising models by replica and cavity methods

Lucibello C.; Morone F.; Rizzo T.subjectRandom Ising Chains

Physical review. E, Statistical, nonlinear and soft matter physics (Online) 90 (2014).

<https://dx.doi.org/10.1103/PhysRevE.90.012140>

11)-Finite-size corrections to disordered Ising models on random regular graphs

Lucibello C.; Morone F.; Parisi G.; Ricci-Tersenghi F.; Rizzo T.subjectDisordered SystemssubjectGlassy SystemssubjectGlassy DynamicssubjectCriticality

Physical review. E, Statistical, nonlinear, and soft matter physics (Print) 90 (2014).

<https://dx.doi.org/10.1103/PhysRevE.90.012146>

12)-Long-wavelength fluctuations lead to a model of the glass crossover

Rizzo T.subjectDisordered SystemssubjectGlassy SystemssubjectGlass Crossover

Europhysics letters (Print) 106 (2014).

<https://dx.doi.org/10.1209/0295-5075/106/56003>

13)-Anomalous finite size corrections in random field models

Lucibello C.; Morone F.; Parisi G.; Ricci-Tersenghi F.; Rizzo T.subjectCavity and replica methodsubjectdisordered systems (theory)subjectspin glasses (theory)

Journal of statistical mechanics 2014 (2014).

<https://dx.doi.org/10.1088/1742-5468/2014/10/P10025>

14)-Volumetric investigation of the ternary system ethanol plus dimethylformamide plus cyclohexane at 298.15 K

Gianni, P.; Lepori, L.; Matteoli, E.; Righetti, M. C.subjectExcess volumesubjectApparent molar volumesubjectTernary mixturesubjectDensitysubjectAssociation

Fluid phase equilibria 368 (2014): 112–119.

<https://dx.doi.org/10.1016/j.fluid.2014.01.046>

15)-Cysteine on TiO₂(110): A Theoretical Study by Reactive Dynamics and Photoemission Spectra Simulation

Li, Cui; Monti, Susanna; Agren, Hans; Carravetta, Vincenzosubjectbioinorganic interfacesubjectcysteinesubjectrutilesubjectreactive molecular dynamicssubjectphotoemissionsubjectXPSsubjectcomputational modelingsubjecttheory

Langmuir 30 (2014): 8819–8828.

<https://dx.doi.org/10.1021/la5014973>

16)-A Computational Study of the Adsorption and Reactive Dynamics of Diglycine on Cu(110)

Monti, Susanna; Carravetta, Vincenzo; Li, Cui; Agren, Hanssubjecttheorysubjectcomputational chemistrysubjectbioinorganic interfacesubjectglycinesubjectcoppersubjectreactive molecular dynamics

Journal of physical chemistry. C 118 (2014): 3610–3619.

<https://dx.doi.org/10.1021/jp411191n>

17)-Polymeric scaffolds for cardiac tissue engineering: requirements and fabrication technologies

Boffito, Monica; Sartori, Susanna; Ciardelli, Gianlucasubjectcardiac tissue engineeringsubjectconventional techniquessubjectrapid prototypingsubjectsscaffolds

Polymer international 63 (2014): 2–11.

<https://dx.doi.org/10.1002/pi.4608>

18)-Bioinspired porous membranes containing polymer nanoparticles for wound healing

Ferreira, Ana M.; Mattu, Clara; Ranzato, Elia; Ciardelli, Gianlucasubjectcollagensubjectnanoparticlessubjectplasmasubjectporous membranesubjectwound healing

Journal of biomedical materials research. Part A 102 (2014): 4394–4405.

<https://dx.doi.org/10.1002/jbm.a.35121>

19)-Nuclear spin circular dichroism

Vaara, Juha; Rizzo, Antonio; Kauczor, Joanna; Norman, Patrick; Coriani, Sonia

The Journal of chemical physics 140 (2014): 134103.

<https://dx.doi.org/10.1063/1.4869849>

20)-On the origin of the very strong two-photon activity of squaraine dyes - a standard/damped response theory study

Alam, Md. Mehboob; Chattopadhyaya, Mausumi; Chakrabarti, Swapan; Rizzo, Antonio
PCCP. Physical chemistry chemical physics (Print) 16 (2014): 8030–8035.

<https://dx.doi.org/10.1039/c3cp55485f>

21)-Two-Photon Circular Dichroism of an Axially Dissymmetric Diphosphine Ligand with Strong Intramolecular Charge Transfer

Diaz, Carlos; Echevarria, Lorenzo; Rizzo, Antonio; Hernandez, Florencio E.
The journal of physical chemistry. A 118 (2014): 940–946.

<https://dx.doi.org/10.1021/jp4119265>

22)-Anharmonic Damping of Terahertz Acoustic Waves in a Network Glass and Its Effect on the Density of Vibrational States

Baldi, G.; Giordano, V. M.; Ruta, B.; Dal Maschio, R.; Fontana, A.; Monaco, G.
subjectTHERMAL-CONDUCTIVITYsubjectELASTIC PROPERTIESsubjectVITREOUS SILICAsubjectBOSON PEAKsubjectSOLIDS
Physical review letters (Print) 112 (2014): 125502-1.

<https://dx.doi.org/10.1103/PhysRevLett.112.125502>

23)-Noise mitigation action plan of Pisa civil and military airport and its effects on people exposure

Licitra G.; Gagliardi P.; Fredianelli L.; Simonetti D.
subjectAircraft noisessubjectDirective 2002/49/EUsubjectEnvironmental noisessubjectNoise action planssubjectNoise mapping
Applied acoustics 84 (2014): 25–36.

<https://dx.doi.org/10.1016/j.apacoust.2014.02.020>

24)-Metal Tungstates at the Ultimate Two-Dimensional Limit: Fabrication of a CuWO₄ Nanophase

Denk, Martin; Kuhness, David; Wagner, Margareta; Surnev, Svetlozar; Negreiros, Fabio R.; Sementa, Luca; Barcaro, Giovanni; Vobornik, Ivana; Fortunelli, Alessandro; Netzer, Falko
P.subjecttwo-dimensional oxide materialssubjectternary oxidessubjectCu tungstatessubjecttungsten oxide clusterssubjectscanning tunneling microscopysubjectphotoelectron spectroscopysubjectphonon spectrasubjectdensity functional theory

ACS nano 8 (2014): 3947–3954.

<https://dx.doi.org/10.1021/nn500867y>

25)-Atomistic Quantum Plasmonics of Gold Nanowire Arrays

Sementa, Luca; Marini, Andrea; Barcaro, Giovanni; Negreiros, Fabio R.; Fortunelli, Alessandro
subjecttime-dependent density-functional theorysubjectoptical responsesubjectmacroscopic dielectric functionsubjectmolecule/plasmon couplingsubjectsinglemolecule detectionsubjectnanogaps
ACS photonics 1 (2014): 315–322.
<https://dx.doi.org/10.1021/ph500038z>

26)-Au-24(SAdm)(16) Nanomolecules: X-ray Crystal Structure, Theoretical Analysis, Adaptability of Adamantane Ligands to Form Au-23(SAdm)(16) and Au-25(SAdm)(16), and Its Relation to Au-25(SR)(18)

Crasto, David; Barcaro, Giovanni; Stener, Mauro; Sementa, Luca; Fortunelli, Alessandro; Dass, Amala
Journal of the American Chemical Society (Print) 136 (2014): 14933–14940.
<https://dx.doi.org/10.1021/ja507738e>

27)-Communication: Striking dependence of diffusion kinetics in Ag-Cu nanoalloys upon composition and quantum effects

Asgari, Mehdi; Negreiros, Fabio R.; Sementa, Luca; Barcaro, Giovanni; Behnejad, Hassan; Fortunelli, Alessandro
The Journal of chemical physics 141 (2014).
<https://dx.doi.org/10.1063/1.4891564>

28)-Concepts in theoretical heterogeneous ultrananocatalysis

Negreiros, Fabio R.; Barcaro, Giovanni; Sementa, Luca; Fortunelli, Alessandro
subjectSubnanometer clusterssubjectHeterogeneous catalystsubjectEpitaxial relationshipsubjectLigand/cluster interactionssubjectCharge transfer
Comptes Rendus Chimie 17 (2014): 625–633.
<https://dx.doi.org/10.1016/j.crci.2013.12.008>

29)-Dramatic Increase in the Oxygen Reduction Reaction for Platinum Cathodes from Tuning the Solvent Dielectric Constant

Fortunelli, Alessandro; Goddard, William A.; Sha, Yao; Yu, Ted H.; Sementa, Luca; Barcaro, Giovanni; Andreussi, Oliviero
subjectdensity functional calculationssubjectelectrochemistrysubjecthydrogen fuel cellsubjectreaction energy barriersubjectsolvation
Angewandte Chemie (Int. ed., Print) 53 (2014): 6669–6672.
<https://dx.doi.org/10.1002/anie.201403264>

30)-Experimental and Theoretical Scanning Tunneling Spectroscopy Analysis of an Ultrathin Titania Film and Adsorbed Au Nanoparticles

Cavaliere, Emanuele; Barcaro, Giovanni; Sementa, Luca; Granozzi, Gaetano; Fortunelli, Alessandro; Gavioli, Luca
Journal of physical chemistry. C 118 (2014): 14640–14646.

<https://dx.doi.org/10.1021/jp502962z>

31)-Ligand/cluster/support catalytic complexes in heterogeneous ultrananocatalysis: NO oxidation on Ag-3/MgO(100)

Sementa, Luca; Barcaro, Giovanni; Negreiros, Fabio R.; Fortunelli, Alessandro

PCCP. Physical chemistry chemical physics (Print) 16 (2014): 26570–26577.

<https://dx.doi.org/10.1039/c4cp02135e>

32)-Optical Properties of Pt and Ag-Pt Nanoclusters from TDDFT Calculations: Plasmon Suppression by Pt Poisoning

Barcaro, Giovanni; Sementa, Luca; Fortunelli, Alessandro; Stener, Mauro

Journal of physical chemistry. C 118 (2014): 28101–28108.

<https://dx.doi.org/10.1021/jp508824w>

33)-Optical Properties of Silver Nanoshells from Time-Dependent Density Functional Theory Calculations

Barcaro, Giovanni; Sernenta, Luca; Fortunelli, Alessandro; Stener, Mauro

Journal of physical chemistry. C 118 (2014): 12450–12458.

<https://dx.doi.org/10.1021/jp5016565>

34)-Probing the atomic structure of metallic nanoclusters with the tip of a scanning tunneling microscope

Schouteden, Koen; Lauwaet, Koen; Janssens, Ewald; Barcaro, Giovanni; Fortunelli, Alessandro; Van Haesendonck, Chris; Lievens, Peter

Nanoscale (Print) 6 (2014): 2170–2176.

<https://dx.doi.org/10.1039/c3nr03585a>

35)-Redox processes at a nanostructured interface under strong electric fields

Steurer, Wolfram; Surnev, Svetlozar; Netzer, Falko P.; Sementa, Luca; Negreiros, Fabio R.; Barcaro, Giovanni; Durante, Nicola; Fortunelli, Alessandro

Nanoscale (Print) 6 (2014): 10589–10595.

<https://dx.doi.org/10.1039/c4nr02882a>

36)-A High-Field EPR Study of the Accelerated Dynamics of the Amorphous Fraction of Semicrystalline Poly(dimethylsiloxane) at the Melting Point

Massa, Carlo Andrea; Pizzanelli, Silvia; Bercu, Vasile; Pardi, Luca; Bertoldo, Monica; Leporini, Dino

Applied magnetic resonance 45 (2014): 693–706.

<https://dx.doi.org/10.1007/s00723-014-0547-1>

37)-Constrained and Heterogeneous Dynamics in the Mobile and the Rigid Amorphous Fractions of Poly(dimethylsiloxane): A Multifrequency High-Field Electron Paramagnetic Resonance Study

Massa, Carlo Andrea; Pizzanelli, Silvia; Bercu, Vasile; Pardi, Luca; Leporini, Dino

Macromolecules (Print) 47 (2014): 6748–6756.

<https://dx.doi.org/10.1021/ma501565z>

38)-A modified Close Proximity method to evaluate the time trends of road pavements acoustical performances

Licitra, G.; Teti, L.; Cerchiai, M.subjectCPXsubjectAcoustical absorptionssubjectTyre/road noise

Applied acoustics 76 (2014): 169–179.

<https://dx.doi.org/10.1016/j.apacoust.2013.07.017>

39)-G(den): An indicator for European noise maps comparison and to support action plans

Licitra, Gaetano; Ascari, ElenasubjectNoise mappingsubjectEuropean cities noise exposuresubjectHot spotssubjectAction planssubjectEND

Science of the total environment 482 (2014): 411–419.

<https://dx.doi.org/10.1016/j.scitotenv.2013.07.014>

40)-Health Impact Assessment of airport noise on people living nearby six Italian airports

Ancona, Carla; Golini, Martina Nicole; Mataloni, Francesca; Camerino, Donatella; Chiusolo, Monica; Licitra, Gaetano; Ottino, Marina; Pisani, Salvatore; Cestari, Laura; Vigotti, Maria Angela; Davoli, Marina; Forastiere, Francescosubjectaircraft noisesubjecthealth impact assessmentsubjecthypertensionsubjectannoyancesubjectsleep disturbances

Epidemiologia e prevenzione 38 (2014): 227–236.

<http://www.cnr.it/prodotto/i/318351>

info:cnr-pdr/source/autori:Ancona, Carla; Golini, Martina Nicole; Mataloni, Francesca; Camerino, Donatella; Chiusolo, Monica; Licitra, Gaetano; Ottino, Marina; Pisani, Salvatore; Cestari, Laura; Vigotti, Maria Angela; Davoli, Marina; Forastiere, Francesco/titolo:Health Impact Assessment of airport noise on people living nearby six Italian airports/

41)-Thermo-physical properties of ammonium-based ionic liquid plus N-methyl-2-pyrrolidone mixtures at 298.15 K

Usula, Marianna; Matteoli, Enrico; Leonelli, Francesca; Mocci, Francesca; Marincola, Flaminia Cesare; Gontrani, Lorenzo; Porcedda, SilviasubjectIonic liquidssubjectN-methyl-2-pyrrolidonesubjectDensitysubjectMolar excess volumesubjectMolar excess enthalpy

Fluid phase equilibria 383 (2014): 49–54.

<https://dx.doi.org/10.1016/j.fluid.2014.09.031>

42)-Temperature Dependence of the Structural Relaxation Time in Equilibrium below the Nominal T-g: Results from Freestanding Polymer Films

Ngai, K. L.; Capaccioli, Simone; Paluch, Marian; Prevosto, Danielesubject.

The journal of physical chemistry. B 118 (2014): 5608–5614.

<https://dx.doi.org/10.1021/jp502846t>

43)-Origins of the two simultaneous mechanisms causing glass transition temperature reductions in high molecular weight freestanding polymer films

Prevosto, Daniele; Capaccioli, Simone; Ngai, K. L.subject.

The Journal of chemical physics 140 (2014).

<https://dx.doi.org/10.1063/1.4865752>

44)-Study of the cold crystallization of poly(ethylene terephthalate) at the air interface by ATR spectroscopy

Massa, Carlo Andrea; Capaccioli, Simone; Manariti, Antonella; Bertoldo, Monica subject.

European Polymer Journal 60 (2014): 286–296.

<https://dx.doi.org/10.1016/j.eurpolymj.2014.08.012>

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

1)-Molecular wires from discotic liquid crystals

Park J.H.; Labardi M.; Scalia G. subject atomic force microscopy subject discotic liquid crystal subject molecular nanowire subject optical microscopy subject self-assembly

Emerging Liquid Crystal Technologies IX, 2014

<https://dx.doi.org/10.1117/12.2049178>

info:cnr-pdr/source/autori:Park J.H.; Labardi M.; Scalia G./congresso_nome:Emerging Liquid Crystal Technologies

IX/congresso_luogo:/congresso_data:2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

2)-Dynamics of dendritic polymers in the bulk and under confinement

Chrissopoulou K.; Fotiadou S.; Androulaki K.; Tanis I.; Karatasos K.; Prevosto D.; Labardi M.; Frick B.; Anastasiadis S.H. subject Confinement subject Intercalation subject Layered Silicate subject Polymer Dynamics

7th International Conference on Times of Polymers (TOP) and Composites, pp. 250–253, Ischia (Italy), 22/6/2014

<https://dx.doi.org/10.1063/1.4876825>

info:cnr-pdr/source/autori:Chrissopoulou K.; Fotiadou S.; Androulaki K.; Tanis I.; Karatasos K.; Prevosto D.; Labardi M.; Frick B.; Anastasiadis S.H./congresso_nome:7th International Conference on Times of Polymers (TOP) and Composites/congresso_luogo:Ischia (Italy)/congresso_data:22/6/2014/anno:2014/pagina_da:250/pagina_a:253/intervallo_pagine:250–253

3)-Low band gap rod-coil diblock copolymer as nanostructuring compatibilizer of PCPDTBT/CdSe nanocrystals-based hybrid solar cells

S. Zappia; S. Destri; A. E. Di Mauro; M. Striccoli; M.L. Curri; R. Mastria; A. Rizzo

Italian Photochemistry Meeting 2014, Abbiategrosso (MI), 27-29/11/2014

<http://www.cnr.it/prodotto/i/292404>

info:cnr-pdr/source/autori:S. Zappia, S. Destri, A. E. Di Mauro, M. Striccoli, M.L. Curri, R. Mastria, A. Rizzo/congresso_nome:Italian Photochemistry Meeting 2014/congresso_luogo:Abbiategrosso (MI)/congresso_data:27-29/11/2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

4)-Morphological study of CdSe nanocrystals passivated with a low band gap rod-coil diblock copolymer for hybrid solar cells

Stefania Zappia; Silvia Destri; Marinella Striccoli; Maria Lucia Curri; A. Evelyn Di Mauro; Zoobia Ameer; Giuseppe Maruccio; Aurora Rizzo; Rosanna Mastria subject AFM subject Block Copolymers subject CdSe Nanocrystal subject Hybrid Solar Cell subject PCPDTBT subject Rod-Coil

6th Forum on New Materials - Part A, edited by Pietro Vicentini, pp. 235–240, 2014

<https://dx.doi.org/10.4028/www.scientific.net/AST.93>

info:cnr-pdr/source/autori:Stefania Zappia, Silvia Destri, Marinella Striccoli, Maria Lucia Curri, A. Evelyn Di Mauro, Zoobia Ameer, Giuseppe Maruccio, Aurora Rizzo, Rosanna Mastria/titolo:Morphological study of CdSe nanocrystals passivated with a low band gap rod-coil diblock copolymer for hybrid solar cells/titolo_volume:6th Forum on New Materials - Part A/curatori_volume:Pietro Vicentini/editore:/anno:2014

5)-Synthesis of rod-coil diblock copolymer with different approaches and its use for passivation of CdSe nanocrystals

S. Zappia; S. Destri; M. Striccoli; M.L. Curri; A. E. Di Mauro; A. Rizzo; R. Mastria

CIMTEC 2014, 6 th Forum on new materials, Montecatini Terme (PT), 15-19/06/2014

<http://www.cnr.it/prodotto/i/292384>

info:cnr-pdr/source/autori:S. Zappia, S. Destri, M. Striccoli, M.L. Curri, A. E. Di Mauro, A. Rizzo, R. Mastria/congresso_nome:CIMTEC 2014, 6 th Forum on new materials/congresso_luogo:Montecatini Terme (PT)/congresso_data:15-19/06/2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

6)-MEMBRO DEL COMITATO ORGANIZZATORE, "Solutions for Solvation: an international workshop to celebrate Jacopo Tomasi on the occasion of his 80th birthday"

Antonio Rizzo

2014

<http://www.cnr.it/prodotto/i/300379>

7)-Novel architectures for plasmon-enhanced vibrational spectroscopy and biomolecular sensing

C. D'Andrea; B. Fazio; J. Bochterle; M. Cottat; A. Toma; A. Foti; E. Messina; O. M. Maragò; E. Di Fabrizio; M. Lamy de La Chapelle; A. Pucci; P. G. Gucciardi

EPIOPTICS-13, Erice, 26 July - 1 August 2014

<http://www.cnr.it/prodotto/i/301872>

info:cnr-pdr/source/autori:C. D'Andrea, B. Fazio, J. Bochterle, M. Cottat, A. Toma, A. Foti, E. Messina, O. M. Maragò, E. Di Fabrizio, M. Lamy de La Chapelle, A. Pucci, P. G. Gucciardi/congresso_nome:EPIOPTICS-13/congresso_luogo:Erice/congresso_data:26 July - 1 August 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine:

8)-Stability of singular, asymmetric stationary states of the Vlasov equation

Nocera L; Palumbo L JsubjectBGK wavessubjectVlasov equationssubjectFourier Transforms

100th National Congress of the Italian Physical Society, pp. 37–37, Pisa, 22-26/09/2014

<http://puma.isti.cnr.it>

info:cnr-pdr/source/autori:Nocera L; Palumbo LJ/congresso_nome:100th National Congress of the Italian Physical Society/congresso_luogo:Pisa/congresso_data:22-26/09/2014/anno:2014/pagina_da:37/pagina_a:37/intervallo_pagine:37-37

9)-The Eigenfunctions of the Multi-species Liouville Operator for Solitary Waves, Phase-space Holes and Double Layers

Nocera L; Palumbo LJsubjectParticle transport and kineticssubjectLiouville operatorsubjectVlasov operatorsubjectinhomogeneitysubjectsolitary wavessubjectphase-space holessubjectdouble layerssubjectcontinuous spectrasubjectFourier analysis

pp.1-24, 2014

<http://puma.isti.cnr.it>

10)-Bloch Eigenfunctions of the Inhomogeneous Liouville Operator in the Fourier Transformed Velocity Space

Nocera L; Palumbo LJsubjectParticle transport and kineticssubjectLiouville operatorsubjectVlasov operatorsubjectinhomogeneitysubjectstability analysissubjectcontinuous spectrasubjectFourier analysis

pp.1-25, 2014

<http://puma.isti.cnr.it>

11)-The Permittivity of a Multispecies Ionized Gas to Electrostatic Perturbations: a Fourier Transform, Integral Equation Approach Through Singular Eigenfunction Reconstruction

Palumbo LJ; Nocera LsubjectVlasov operatorsubjectinhomogeneitysubjectinstability analysissubjectcontinuous spectrasubjectvan Kampen - Case eigenfunctionssubjectFourier analysis

pp.1-24, 2014

<http://puma.isti.cnr.it>

12)-The Eigenfunctions of the Inhomogeneous Free-streaming Collisionless Boltzmann Operator in the Fourier Transformed Velocity Space

Palumbo LJ; Nocera LsubjectParticle transport and kineticssubjectcollisionless Boltzmann equationsubjectLiouville operatorsubjectinhomogeneitysubjectcontinuous spectrasubjectFourier analysis

pp.1-16, 2014

<http://puma.isti.cnr.it>

13)-Influence of Water-DMSO Medium on Complex-Forming Properties of Crown Ether 18-Crown-e

T.R. Usacheva; V. A. Sharnin; E. Matteoli

Advances in Chemistry Research, pp. 127-156. Hauppauge, N.Y.: Nova Science Publisher, 2014

<urn:isbn:978-1-63117-572-5>

info:cnr-pdr/source/autori:T.R. Usacheva, V. A. Sharnin, E. Matteoli/titolo:Influence of Water-DMSO Medium on Complex-Forming Properties of Crown Ether 18-Crown-6/titolo_volume:Advances in Chemistry Research/curatori_volume:/editore:

/anno:2014

14)-COD ID: 4122812

Crasto, David; Barcaro, Giovanni; Stener, Mauro; Sementa, Luca; Fortunelli, Alessandro; Dass, AmalsubjectX-ray Crystal structure

2014

<http://www.cnr.it/prodotto/i/370555>

15)-The influence of rigid amorphous fraction on crystallization kinetics of poly[(R)-3-hydroxybutyrate] and its role on properties deterioration upon storage

M. L. Di Lorenzo; M.C. RighettisubjectPoly[(R)-3-hydroxybutyrate]subjectRigid amorphous fractionsubjectCrystallization kinetics

Workshop "IUPAC Italia: stato dell'arte e strategie future", Roma, 8 aprile 2014

<http://www.cnr.it/prodotto/i/388038>

info:cnr-pdr/source/autori:M. L. Di Lorenzo, M.C. Righetti/congresso_nome:Workshop "IUPAC Italia: stato dell'arte e strategie future"/congresso_luogo:Roma/congresso_data:8 aprile 2014/anno:2014/pagina_da:/pagina_a:/intervallo_pagine: