

Peer-reviewed journal articles

1)-Critical Slowing Down Exponents of Mode Coupling Theory

Caltagirone F.; Ferrari U.; Leuzzi L.; Parisi G.; Ricci-Tersenghi F.; Rizzo T. subject SPIN-GLASS MODEL; FINITE-SIZE CORRECTIONS; MEAN-FIELD THEORY; METASTABLE STATES; POTTS GLASS; ORDER PARAMETERS; DYNAMICS; TRANSITION; PHASE; RELAXATION

Physical review letters 108 (2012): 085702.

<https://dx.doi.org/10.1103/PhysRevLett.108.085702>

2)-Sectionally analytic solutions of the Vlasov-Poisson equations

NOCERA L; PALUMBO L J subject plasma: kinetic equations subject Soliton subject BGK modessubject Integral equations of the convolution typesubject Electrostatic and high-frequency confinement

Journal of physics. A, Mathematical and theoretical (Print) 45 (2012): 105501-1–105501-12.

<https://dx.doi.org/10.1088/1751-8113/45/10/105501>

3)-Comparative study about preparation of poly(lactide)/Organophilic montmorillonites nanocomposites through melt blending or ring opening polymerization methods

Castiello S.; Coltelli M.B.; Conzatti L.; Bronco S. subject nanocompositessubject PLAsubject montmorillonite

Journal of applied polymer science (Print) 125 (2012): E413–E428.

<https://dx.doi.org/10.1002/app.36313>

4)-New basis sets for the evaluation of the CO-Ne van der Waals complex interaction induced electric dipole moment and polarizability surfaces

Baranowska-Laczkowska, A; Fernandez, B; Rizzo, A; Jansik, B subject CO-Ne van der Waals complexsubject basis sets for interaction induced propertiessubject electric dipole moment and polarizabilitysubject second virial dielectric and refractivity coefficients

Molecular physics (Online) 110 (2012): 2503–2512.

<https://dx.doi.org/10.1080/00268976.2012.702933>

5)-Interfacial and Annealing Effects on Primary alpha-Relaxation of Ultrathin Polymer Films Investigated at Nanoscale

H.K. Nguyen; M. Labardi; S. Capaccioli; M. Lucchesi; P.A. Rolla; D. Prevosto

Macromolecules (Online) 45 (2012): 2138.

<http://www.cnr.it/prodotto/i/192131>

info:cnr-pdr/source/autori:H.K. Nguyen, M. Labardi, S. Capaccioli, M. Lucchesi, P.A. Rolla, D. Prevosto/titolo:Interfacial and Annealing Effects on Primary alpha-Relaxation of Ultrathin Polymer Films Investigated at Nanoscale/

6)-The effect of the pi-electron delocalization curvature on the two-photon circular dichroism of molecules with axial chirality

Diaz, C; Lin, N; Toro, C; Passier, R; Rizzo, A; Hernandez, F
Esubjectcircular polarizationsubjectmolecular currentssubjectmagnetic transition dipole momentssubjectbiaryl derivativessubjectnonlinear rotatory strength

The journal of physical chemistry letters 3 (2012): 1808–1813.

<https://dx.doi.org/10.1021/jz300577e>

7)-First-order properties and Buckingham birefringence of N₂O and OCS - A computational (re)investigation

Coriani, S; Puzzarini, C; Rizzo, A
Asubjectfirst-order propertiessubjectdipole momentssubjectquadrupole momentssubjectelectric-field-gradient birefringence

Molecular physics (Online) 110 (2012): 2543–2555.

<https://dx.doi.org/10.1080/00268976.2012.709284>

8)-EPR discrimination of microcrystalline calcite geomaterials

Di Benedetto F; Buccianti A; Montegrossi G; Innocenti M; Massa CA; Pardi L; Romanelli M
MsubjectEPRsubjectcalcitesubjectgeochemistrysubjectgeomaterialssubjectmanganese

The American mineralogist 97 (2012): 1619–1626.

<https://dx.doi.org/10.2138/am.2012.4168>

9)-Phase composition of Cu_xS thin films: spectroscopic evidence of covellite formation

Bencista I. [1]; Di Benedetto F. [1]; Innocenti M. [1,2]; De Luca A. [1]; Fornaciai G. [1]; Lavacchi A. [2]; Montegrossi G. [3]; Oberhauser W. [2]; Pardi L. [4]; Romanelli M. [1]; Vizza F. [2]; Foresti M.L [1]
subjectCuSsubjectXPSsubjectAFMsubjectcovellitesubjectthin film

European journal of mineralogy (Print) 24 (2012): 879–884.

<https://dx.doi.org/10.1127/0935-1221/2012/0024-2229>

10)-ESEEM of industrial quartz powders: insights into crystal chemistry of Al defects

Romanelli M; Di Benedetto F; Bartali L; Innocenti M; Fornaciai G; Montegrossi G; Pardi L; Zoleo A; Capacci F
subjectQuartz; Hole centres; Al centres; EPR; ESEEM; Health effects

Physics and chemistry of minerals 39 (2012): 479–490.

<https://dx.doi.org/10.1007/s00269-012-0502-3>

11)-Dynamical Line-Shifts in High-Field Electron Spin Resonance: Applications to Polymer Physics

Vasile Bercu; Massimo Martinelli; Luca Pardi; Carlo Andrea Massa; Dino Leporini

Zeitschrift für physikalische Chemie (Münch., 1991) 226 (2012): 1379–1394.

<https://dx.doi.org/10.1524/zpch.2012.0283>

12)-Amorphous/Crystal and Polymer/Filler Interphases in Biocomposites from Poly(butylene succinate)

Signori F.; Pelagaggi M.; Bronco S.; Righetti M.C.
Thermochimica Acta 543 (2012): 74–81.
<https://dx.doi.org/10.1016/j.tca.2012.05.006>

13)-The role of the rigid amorphous fraction on cold crystallization of poly(3-hydroxybutyrate)

Di Lorenzo M.L.; Gazzano M.; Righetti M.C.
Macromolecules (Online) 45 (2012): 5684–5691.
<https://dx.doi.org/10.1021/ma3010907l>

14)-Nonlinear determination of the equilibrium melting temperature from initial nonreorganized crystals of poly(3-hydroxybutyrate)

Righetti M.C.; Di Lorenzo M.L.
Polymer engineering and science (Online) 52 (2012): 2383–2390.
<https://dx.doi.org/10.1002/pen.23199>

15)-Isothermal Cold-Crystallization of PLA/PBAT Blends With and Without the Addition of Acetyl Tributyl Citrate

1. Enic Quero1. Alejandro J. Müller 2. Francesca Signori 3. Maria-Beatrice Coltelli4. Simona Bronco
subjectRenewable materials
subjectblend
subjectcrystallizations
subjectplasticizer
Macromolecular chemistry and physics (Internet) 213 (2012): 36–48.
<https://dx.doi.org/10.1002/macp.201100437>

16)-Isothermal Cold-Crystallization of PLA/PBAT Blends With and Without the Addition of Acetyl Tributyl Citrate

Enic Quero; Alejandro J. Müller; Francesca Signori; Maria-Beatrice Coltelli; Simona Bronco
subjectRenewable materials
subjectblend
subjectcrystallizations
subjectplasticizer
Macromolecular chemistry and physics (Internet) 213 (2012): 36–48.
<https://dx.doi.org/10.1002/macp.201100437>

17)-Preparation of gelatin/polyoxypropylene grafted copolymers by isocyanate promoted "grafting onto" reaction

Monica Bertoldo; Federica Cognigni; Simona Bronco
subjectGelatin
subjectGrafting onto
subjectPolyoxypropylene
Polymer (Guildford) 53 (2012): 4595–4603.
<https://dx.doi.org/10.1016/j.polymer.2012.08.023>

18)-Preparation and Properties of PTFE-PMMA Core-Shell Nanoparticles and Nanocomposites

Antonoli D.; Laus M.; Zuccheri G.; Kapeliouchko V.; Righetti M.C.; Boarino L.; Sparnacci K.
Journal of Nanotechnology (Online) 2012 (2012): 875815.
<https://dx.doi.org/10.1155/2012/875815>

- 19)-Note: A versatile, stable, high-resolution readout system for RTD and thermistor sensors**
Ambrosetti R.; Matteoli E.; Ricci D.
Review of scientific instruments 83 (2012): 096101.
<https://dx.doi.org/10.1063/1.4750142>
- 20)-Influence of the composition of aqueous dimethylsulfoxide solvent on thermodynamics of complexing between 18-crown-6-ether and D,L-alanine**
Usachevaa T.R.; Kuzminaa I.A.; Sharnina V.A.; Chernova I.V.; Matteoli E.
Russian journal of physical chemistry 86 (2012): 1064–1067.
<https://dx.doi.org/10.1134/S003602441207031X>
- 21)-Excess enthalpies of mixtures of mono-carboxylic acid with dibutylether**
Marongiu B.; Porcedda S.; Falconieri D.; Piras A.; Matteoli E.; Lepori L.
Journal of thermal analysis and calorimetry (Online) 108 (2012): 777–782.
<https://dx.doi.org/10.1007/s10973-011-2034-3>
- 22)-Thermodynamic characteristics of alanine-18-crown-6 ether complexes in binary water-acetone solvents**
Usachevaa T.R.; Kuz'minaa I.A.; Sharnina V.A.; Chernova I.V.; Matteoli E.
Russian journal of physical chemistry 86 (2012): 36–39.
<https://dx.doi.org/10.1134/S003602441112034X>
- 23)-Bioactive glass/polymer composite scaffolds mimicking bone tissue**
Piergiorgio Gentile; Monica Mattioli-Belmonte; Valeria Chiono; Concetta Ferretti; Francesco Baino; Chiara Tonda-Turo; Chiara Vitale-Brovarone; Iva Pashkuleva; Rui L. Reis; Gianluca Ciardellisubjectbioactive glass; chitosan; composite; gelatin; periosteal precursor cells
Journal of biomedical materials research. Part A (Online) 100A (2012): 2654–2667.
<https://dx.doi.org/10.1002/jbm.a.34205>
- 24)-A first-principles theoretical approach to heterogeneous nanocatalysis**
Negreiros F. R.; Aprà E.; Barcaro G.; Sementa L.; Vajda S.; Fortunelli A.
Nanoscale (Print) 4 (2012): 1208–1219.
<https://dx.doi.org/10.1039/c1nr11051a>
- 25)-Work Function of Oxide Ultrathin Films on the Ag(100) Surface**
Sementa L.; Barcaro G.; Negreiros F. R.; Thomas I. O.; Netzer F. P.; Ferrari A. M.; Fortunelli A.
Journal of chemical theory and computation 8 (2012): 629–638.
<https://dx.doi.org/10.1021/ct200861f>
- 26)-Theoretical study of AuCu nanoalloys adsorbed on MgO(001)**

Cerbelaud M.; Barcaro G.; Fortunelli A.; Ferrando R.
Surface science 606 (2012): 938–944.
<https://dx.doi.org/10.1016/j.susc.2012.02.010>

27)-AuN clusters (N=1-6) supported on MgO(100) surfaces: the role of exact exchange and dispersion interactions on adhesion energies

Paz-Borbon L. O.; Barcaro G.; Fortunelli A.; Levchenko S. V.
Physical review. B, Condensed matter and materials physics 85 (2012): 155409.
<https://dx.doi.org/10.1103/PhysRevB.85.155409>

28)-Ordered arrays of size-selected oxide nanoparticles

Gragnaniello L.; Ma T.; Barcaro G.; Sementa L.; Negreiros F. R.; Fortunelli A.; Surnev S.; Netzer F. P.
Physical review letters (Print) 108 (2012): 195507.
<https://dx.doi.org/10.1103/PhysRevLett>

29)-Building Principles and Structural Motifs in TiOx Ultrathin Films on a (111) Substrate

Barcaro G.; Cavaliere E.; Artiglia L.; Sementa L.; Gavioli L.; Granozzi G.; Fortunelli A.
Journal of physical chemistry. C 116 (2012): 13302–13306.
<https://dx.doi.org/10.1021/jp303730j>

30)-Growth of carbon clusters on the Ni(111) surface

Barcaro G.; Zhu B.; Hou M.; Fortunelli A.
Computational materials science 63 (2012): 303–311.
<https://dx.doi.org/10.1016/j.commat.2012.06.032>

31)-CO oxidation by subnanometer Ag_xAu_{3-x} supported clusters via DFT simulations

Negreiros F. R.; Sementa L.; Barcaro G.; Vajda S.; Aprà E.; Fortunelli A.
ACS catalysis 2 (2012): 1860–1864.
<https://dx.doi.org/10.1021/cs300275v>

32)-Adsorption-induced restructuring and early stages of CNT growth on Ni nanoparticles

Wang Y.; Barcaro G.; Negreiros F. R.; Visart de Bocarmé T.; Moors M.; Kruse N.; Hou M.; Fortunelli A.
Chemistry - A European Journal 18 (2012).
<https://dx.doi.org/10.1002/chem.201201331>

33)-The fate of branched and linear isomers in the rhodium-catalyzed hydroformylation of 3,4,4-trimethylpent-1-ene

Giuliano Alagona; Caterina Ghio
Theoretical Chemistry accounts (Print) 131 (2012): 1142.
<https://dx.doi.org/10.1007/s00214-012-1142-x>

- 34)-High linear regioselectivity in the rhodium-catalyzed hydro(deuterio)formylation of 3,4,4-trimethylpent-1-ene: the role of beta-hydride elimination**
Raffaello Lazzaroni; Roberta Settambolo; Giuliano Alagona; Caterina Ghio
Journal of molecular catalysis. A, Chemical (Print) 356 (2012): 1–13.
<https://dx.doi.org/10.1016/j.molcata.2011.12.021>
- 35)-The influence of water-ethanol mixture on the thermodynamics of complex formation between 18-crown-6 ether and L-phenylalanine**
Usacheva T.R.; Sharnin V.A.; Chernov I.V.; Matteoli E.; Terekhova I.V.; Kumeev R.S.
Chemical physics letters (Print) 543 (2012): 155–158.
<https://dx.doi.org/10.1016/j.cplett.2012.06.054>
- 36)-Granulocyte-macrophage colony-stimulating factor as an autocrine survival-growth factor in human gliomas**
Revoltella, R. P.; Menicagli, M.; Campani, D.
Cytokine (Phila. Pa., Print) 57 (2012): 347–359.
<https://dx.doi.org/10.1016/j.cyto.2011.11.016>
- 37)-Angular distribution of field emitted electrons from vertically aligned carbon nanotube arrays**
Iacobucci, S (1); Fratini, M (1); Rizzo, A; Scarinci, F (1); Zhang, Y (2); Mann, M (2); Li, C (2,3); Milne, WI (2,4); El Gomati, MM (5); Lagomarsino, S (6); Stefani, G
Applied physics letters 100 (2012): 053116.
<http://www.cnr.it/prodotto/i/196087>
info:cnr-pdr/source/autori:Iacobucci, S (1); Fratini, M (1); Rizzo, A ; Scarinci, F (1); Zhang, Y (2); Mann, M (2); Li, C (2,3); Milne, WI (2,4); El Gomati, MM (5); Lagomarsino, S (6); Stefani, G/titolo:Angular distribution of field emitted electrons from vertically aligned carbon nanotube arrays/
- 38)-Critical slowing down exponents in structural glasses: Random orthogonal and related models**
Caltagirone, F (Caltagirone, F.)1,2; Ferrari, U (Ferrari, U.)1,2; Leuzzi, L (Leuzzi, L.)1,2; Parisi, G (Parisi, G.)1,2,3; Rizzo, T (Rizzo, T.)1,2subjectCritical DynamicssubjectGlassy SystemssubjectMode Coupling Theory
Physical review. B, Condensed matter and materials physics 86 (2012): Article Number: 064204.
<https://dx.doi.org/10.1103/PhysRevB.86.064204>
- 39)-Thermodynamic scaling of alpha-relaxation time and viscosity stems from the Johari-Goldstein beta-relaxation or the primitive relaxation of the coupling model**
K. L. Ngai; J. Habasaki; D. Prevosto; S. Capaccioli; M. Paluchsubjectrelaxation dynamicssubjectscalingsubjectsecondary relaxation

The Journal of chemical physics 137 (2012): 034511.

<https://dx.doi.org/10.1063/1.4736547>

40)-Mechanism of fast surface self-diffusion of an organic glass

S. Capaccioli; K. L. Ngai; M. Paluch; D. Prevosto

Physical review. E, Statistical physics, plasmas, fluids, and related interdisciplinary topics 86 (2012): 051503.

<https://dx.doi.org/10.1103/PhysRevE.86.051503>

41)-Many-Body Nature of Relaxation Processes in Glass-Forming Systems

S. Capaccioli; M. Paluch; D. Prevosto; Li-Min Wang; K. L. Ngai

The journal of physical chemistry letters 3 (2012): 735–743.

<https://dx.doi.org/10.1021/jz201634p>

42)-Evidence of Coexistence of Change of Caged Dynamics at T_g and the Dynamic Transition at T_d in Solvated Proteins

S. Capaccioli; K.L Ngai; S. Ancherbak; A. Paciaro

The journal of physical chemistry. B 116 (2012): 1745–1757.

<https://dx.doi.org/10.1021/jp2057892>

43)-Bioresorbable glass effect on the physico-chemical properties of bilayered scaffolds for osteochondral regeneration

Piergiorgio Gentile; Valeria Chiono; Chiara Tonda-Turo; Clara Mattu; Francesco Baino; Chiara Vitale-Brovarone;

Gianluca

Ciardellis

Materials letters (Gen. ed.) 89 (2012): 74–76.

<https://dx.doi.org/10.1016/j.matlet.2012.08.023>

44)-Noise policy development in Italy and the EU

Licitra, G; Ascari, E

The Journal of the Acoustical Society of America (Online) 131 (2012): 3505–3505.

<http://www.cnr.it/prodotto/i/197326>

info:cnr-pdr/source/autori:Licitra, G; Ascari, E/titolo:Noise policy development in Italy and the EU/

45)-Collagen for bone tissue regeneration

Ana Marina Ferreira; Piergiorgio Gentile; Valeria Chiono; Gianluca Ciardellis

Acta biomaterialia 8 (2012): 3191–3200.

<https://dx.doi.org/10.1016/j.actbio.2012.06.014>

46)-Tranquility analysis by soundwalks in Pisa's green areas

Licitra, G; Chiari, C; Menichini, I; Ascari, E

The Journal of the Acoustical Society of America (Online) 131 (2012): 3473–3473.

<http://www.cnr.it/prodotto/i/197329>

info:cnr-pdr/source/autori:Licitra, G; Chiari, C; Menichini, I; Ascari, E/titolo:Tranquility analysis by soundwalks in Pisa's green areas/

47)-Biomimetic coating on bioactive glass-derived scaffolds mimicking bone tissue

D. Bellucci; A. Sola; P. Gentile; G. Ciardelli; V. Cannillo
subjectbone tissue engineering
subjectsscaffolds
subjectgenipin
subjectgelatin
subjectbioactive glass

Journal of biomedical materials research. Part A (Online) 100A (2012): 3259–3266.

<https://dx.doi.org/10.1002/jbm.a.34271>

**48)-L'IMPATTO DEGLI AEROPORTI SULLA SALUTE DELLA POPOLAZIONE
RESIDENTE: LO STUDIO SERA ITALIA**

Ancona, C; Mataloni, F; Ancona, L; Bucci, S; Compagnucci, P; Davoli, M; Cadum, E;
Chiusolo, M; Macario, A; Ottino, M; Signorile, L; Pisani, S; Camerino, D; Minniti, C; Vigotti,
M; Cestari, L; Palazzi, B; Panarotto, C; Sepulcri, D; Simonato, L; Ascari, E; Licitra, G;
Simonetti, D; Caricchia, A; Cattani, G; Di Menno, A; Gaeta, A; Fabozzi, T; Briotti, V; Sozzi,
R; Forastiere, F

Epidemiologia e prevenzione 36 (2012): 43–44.

<http://www.cnr.it/prodotto/i/197339>

info:cnr-pdr/source/autori:Ancona, C; Mataloni, F; Ancona, L; Bucci, S; Compagnucci, P;
Davoli, M; Cadum, E; Chiusolo, M; Macario, A; Ottino, M; Signorile, L; Pisani, S; Camerino,
D; Minniti, C; Vigotti, M; Cestari, L; Palazzi, B; Panarotto, C; Sepulcri, D; Simonato, L;
Ascari, E; Licitra, G; Simonetti, D; Caricchia, A; Cattani, G; Di Menno, A; Gaeta, A; Fabozzi,
T; Briotti, V; Sozzi, R; Forastiere, F/titolo:L'IMPATTO DEGLI AEROPORTI SULLA
SALUTE DELLA POPOLAZIONE RESIDENTE: LO STUDIO SERA ITALIA/

**49)-Effects of poly(dimethylsiloxane) and inorganic fillers in halogen free flame retardant
poly(ethylene-co-vinyl acetate) compound: A chemometric approach**

A. Cardelli; G. Ruggeri; M. Calderisi; O. Lednev; C. Cardelli; E. Tombari
subjectFlame
retardant
composites
subjectMixture
designs
subjectPoly(ethylene-co-vinyl
acetate)
subjectPoly(dimethylsiloxane)
subjectCalcium borate

Polymer degradation and stability 97 (2012): 2536–2544.

<https://dx.doi.org/10.1016/j.polymdegradstab.2012.02.018>

50)-Specific Heat and Transformations of Water in 1.4 and 1.8 nm Pore-MCMs

E. Tombari; G. Salvetti; G.P. Johari
subjectDIFFERENTIAL SCANNING
CALORIMETRY
subjectSUPERCOOLED
CONFINED
WATER
subjectNEUTRON-
SCATTERING
subjectNANOPORES

Journal of physical chemistry. C 116 (2012): 2702–2709.

<https://dx.doi.org/10.1021/jp209598x>

51)-Ordered Arrays of Size-Selected Oxide Nanoparticles

Gragnaniello, Luca; Ma, Teng; Barcaro, Giovanni; Sementa, Luca; Negreiros, Fabio R.; Fortunelli, Alessandro; Surnev, Svetlozar; Netzer, Falko P.subjectsurface nanopatterning - theoretical modeling

Physical review letters (Print) 108 (2012): 195507-1–195507-5.

<https://dx.doi.org/10.1103/PhysRevLett.108.195507>

52)-Analysis of the Electronic Circular Dichroism Spectrum of (-)-[9](2,5)Pyridinophane

Padula; Daniele; Di Bari; Lorenzo; Santoro; Fabrizio; Gerlach; Hans; Rizzo; Antoniosubjectelectronic circular dichroismsubjectpyridinophanesubjectdensity functional theorysubjectvibronic effectssubjectchiralitysubjectDENSITY-FUNCTIONAL THEORYsubjectAB-INITIO CALCULATIONSsubjectRAMAN OPTICAL-ACTIVITYsubjectABSORPTION-SPECTRASubjectBASIS-SETSsubjectABSOLUTE-CONFIGURATIONsubjectCHIROPTICAL PROPERTIESsubjectVIBRONIC STRUCTUREsubjectORGANIC-COMPOUNDSsubjectLARGE MOLECULES

Chirality (N.Y., N.Y. Print) 24 (2012): 994–1004.

<https://dx.doi.org/10.1002/chir.22087>

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

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

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

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

info:cnr-pdr/source/autori:M. Labardi, D. Prevosto, H.K. Nguyen, M. Lucchesi, E. Fanizza, N. Depalo, M. Striccoli/congresso_nome:6th International Conference on Times of Polymers (TOP) and Composites/congresso_luogo:Ischia (NA) Italy/congresso_data:10/06/2012/anno:2012/pagina_da:217/pagina_a:/intervallo_pagine:217

2)-Response Function Theory Computational Approaches to Linear and Non-Linear Optical Spectroscopy

Rizzo, A; Coriani, S; Ruud, K
Computational Strategies for Spectroscopy: from Small Molecules to Nano Systems, pp. 77–135.
Hoboken: John Wiley & Sons, Inc., 2012

<http://eu.wiley.com/WileyCDA/WileyTitle/productCd-0470470178.html>

info:cnr-pdr/source/autori:Rizzo, A; Coriani, S; Ruud, K/titolo:Response Function Theory Computational Approaches to Linear and Non-Linear Optical Spectroscopy/titolo_volume:Computational Strategies for Spectroscopy: from Small Molecules to Nano Systems/curatori_volume:/editore:

/anno:2012

3)-Molecular electric, magnetic and optical properties

Jaszunski, M; Rizzo, A; Ruud, K
Handbook of Computational Chemistry, pp. 361–441. DORDRECHT: SPRINGER, 2012

<http://www.springer.com/chemistry/book/978-94-007-0711-5>

info:cnr-pdr/source/autori:Jaszunski, M; Rizzo, A; Ruud, K/titolo:Molecular electric, magnetic and optical properties/titolo_volume:Handbook of Computational Chemistry/curatori_volume:/editore:

/anno:2012

4)-Competition Between Crystallization and Vitrification of the Rigid Amorphous Fraction in Poly(3-Hydroxybutyrate)

Di Lorenzo M.L.; Righetti M.C.; Gazzano M.

6th International Conference on Times of Polymers (TOP) and Composites, pp. 36–38, Ischia, ITALY, JUN 10-14, 2012

<https://dx.doi.org/10.1063/1.4738390>

info:cnr-pdr/source/autori:Di Lorenzo M.L., Righetti M.C., Gazzano M./congresso_nome:6th International Conference on Times of Polymers (TOP) and Composites/congresso_luogo:Ischia, ITALY/congresso_data:JUN 10-14, 2012/anno:2012/pagina_da:36/pagina_a:38/intervallo_pagine:36–38

5)-Oxidation of Glycogen by Periodate to Functional "Molecular Nanoparticles

M. Bertoldo; G. Zampano; S. Bronco; F. Ciardelli

European Materials Research Society Fall Meeting, Varsavia, September 17-21

<http://www.cnr.it/prodotto/i/192629>

info:cnr-pdr/source/autori:M. Bertoldo, G. Zampano, S. Bronco, F. Ciardelli/congresso_nome:European Materials Research Society Fall Meeting/congresso_luogo:Varsavia/congresso_data:September 17-21/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

6)-Development of new PLA-based biodegradable compounds

Francesca Signori; Alessia Boggioni; Francesco Ciardelli; Simona Bronco
subjectPoly(lactic acid)subjectreactive extrusionssubjectcross-linkingsubjectbiodegradable polyesters

6TH INTERNATIONAL CONFERENCE ON TIMES OF POLYMERS (TOP) AND COMPOSITES, pp. 30–32, Ischia (Italy), 10-14 June 2012

<https://dx.doi.org/10.1063/1.4738388>

info:cnr-pdr/source/autori:Francesca Signori, Alessia Boggioni, Francesco Ciardelli, Simona Bronco/congresso_nome:6TH INTERNATIONAL CONFERENCE ON TIMES OF POLYMERS (TOP) AND COMPOSITES/congresso_luogo:Ischia (Italy)/congresso_data:10-14 June 2012/anno:2012/pagina_da:30/pagina_a:32/intervallo_pagine:30–32

7)-Singular particle distributions associated with a steady state, asymmetric virtual cathode in the collision-less sheath facing a Langmuir plasma probe

NOCERA L; PALUMBO L
subjectplasma kineticssubjectVlasov equationssubjectsheathsubjectvirtual cathodesubjectplasma probes

First IPCF General Meeting, Cetraro, 23-25/05/2012

<http://www.cnr.it/prodotto/i/196951>

info:cnr-pdr/source/autori:NOCERA L; PALUMBO L J/congresso_nome:First IPCF General Meeting/congresso_luogo:Cetraro/congresso_data:23-25/05/2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

8)-Ultrathin polymer films: Interfacial and annealing dependence of confinement effects

Daniele Prevosto; Hung K. Nguyen; Massimiliano Labardi; Simone Capaccioli; Mauro Lucchesi; Pierangelo Rolla/subject:ultrathin films/subject:relaxation dynamics/subject:interfacial properties/subject:adsorbed layer

6TH INTERNATIONAL CONFERENCE ON TIMES OF POLYMERS (TOP) AND COMPOSITES, pp. 58–60, Ischia, 10-14 giugno 2012

<https://dx.doi.org/10.1063/1.4738397>

info:cnr-pdr/source/autori:Daniele Prevosto, Hung K. Nguyen, Massimiliano Labardi, Simone Capaccioli, Mauro Lucchesi, Pierangelo Rolla/congresso_nome:6TH INTERNATIONAL CONFERENCE ON TIMES OF POLYMERS (TOP) AND COMPOSITES/congresso_luogo:Ischia/congresso_data:10-14 giugno 2012/anno:2012/pagina_da:58/pagina_a:60/intervallo_pagine:58–60

9)-Theoretical non linear spectroscopies for chiral discrimination

Antonio Rizzo

CECAM workshop "Vibrational Optical Activity: Interplay Theory and Experiment", Pisa, Italy, 23-27 Settembre 2012

<http://www.cnr.it/prodotto/i/300359>

info:cnr-pdr/source/autori:Antonio Rizzo/congresso_nome:CECAM workshop "Vibrational Optical Activity: Interplay Theory and Experiment"/congresso_luogo:Pisa, Italy/congresso_data:23-27 Settembre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

10)-Nonlinear Electric and Magnetic Optical Properties and new Spectroscopies

Antonio Rizzo

Tenth International Conference on Relativistic Effects in Heavy Elements - Chemistry and Physics (REHE-2012), Corrientes, Argentina, 12-16 Settembre 2012

<http://www.cnr.it/prodotto/i/300361>

info:cnr-pdr/source/autori:Antonio Rizzo/congresso_nome:Tenth International Conference on Relativistic Effects in Heavy Elements - Chemistry and Physics (REHE-2012)/congresso_luogo:Corrientes, Argentina/congresso_data:12-16 Settembre 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

11)-Chirality: in silico spectroscopies turning into novel experiments

Antonio Rizzo

Theory and Applications of Computational Chemistry - (TACC-2012), Pavia, Italy, 2-7 Settembre 2013

<http://www.cnr.it/prodotto/i/300365>

info:cnr-pdr/source/autori:Antonio Rizzo/congresso_nome:Theory and Applications of Computational Chemistry - (TACC-2012)/congresso_luogo:Pavia, Italy/congresso_data:2-7 Settembre 2013/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

12)-NON-LINEAR SPECTROSCOPIES AND CHIRALITY

Antonio Rizzo

Primo Congresso Nazionale della Divisione di Chimica Teorica e Computazionale della Società Chimica Italiana, Pisa, Italia, 22-23 Febbraio, 2012

<http://www.cnr.it/prodotto/i/300386>

info:cnr-pdr/source/autori:Antonio Rizzo/congresso_nome:Primo Congresso Nazionale della Divisione di Chimica Teorica e Computazionale della Società Chimica Italiana/congresso_luogo:Pisa, Italia/congresso_data:22-23 Febbraio, 2012/anno:2012/pagina_da:/pagina_a:/intervallo_pagine:

13)-Synthesis and regularization of the statistical distribution functions of the particles inside an asymmetric solitary wave

Palumbo LJ; Nocera Lsubjectcollisionless plasmassubjectVlasov equationssubjectBGK wavessubjectsolitary wavessubjectasymmetrysubjectsingular integral equations
pp.1-12, 2012

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

14)-Dalle proprietà molecolari microscopiche alle grandezze termodinamiche

Barcaro GiovanniVeracini Carlo Alberto

Pisa: Edizioni Plus - Pisa University Press, 2012

[urn:isbn:9788867410088](http://www.isbn:9788867410088)

info:cnr-pdr/source/autori:Barcaro Giovanni

Veracini Carlo Alberto/titolo:Dalle proprietà molecolari microscopiche alle grandezze termodinamiche/editore:

/anno:2012

15)-Inorganic nanohybrids based on bio-polyesters from renewable resources

E.Passaglia; S.Bronco; F.Signori; F.Cicogna; S.Coiai; W.OberhausersubjectPLA composites

XX Convegno Italiano di Scienze e Tecnologia delle Macromolecole, pp. 565, Terni (Italy), 4-8/09/2011

[urn:isbn:978-88-95028-83-5](https://doi.org/10.1007/978-88-95028-83-5)

info:cnr-pdr/source/autori:E.Passaglia, S.Bronco, F.Signori, F.Cicogna, S.Coiai,
W.Oberhauser/congresso_nome:XX Convegno Italiano di Scienze e Tecnologia delle
Macromolecole/congresso_luogo:Terni (Italy)/congresso_data:4-
8/09/2011/anno:2012/pagina_da:565/pagina_a:/intervallo_pagine:565