

Peer-reviewed journal articles

1)-Dependence of the Wittig reaction mechanism on the environment and on the substituents at the aldehyde group and at the phosphonium ylide

Alagona* G.; Ghio C.subjectDensity functional calculationssubjectReaction mechanismssubjectWittig reactionssubjectacetaldehydesubjecttrimethylphosphonium ylide
International journal of quantum chemistry 110 (2010): 765–776.
<https://dx.doi.org/10.1002/qua.22207>

2)-Crater drilling enhancement obtained in parallel non-collinear double-pulse laser ablation

Cristoforetti G.; Legnaioli S.; Palleschi V.; Tognoni E.; Benedetti P.A.
Applied physics. A, Materials science & processing (Print) 98 (2010): 219–225.
<https://dx.doi.org/10.1007/s00339-009-5379-8>

3)-Free energy landscapes in THF for the Wittig reaction of acetaldehyde and triphenylphosphonium ylide

Alagona* G.; Ghio* C.subjectReaction mechanismssubjectWittig reactionssubjectB3P86/6-31G*subjectIEF-PCMsubjectacetaldehyde
International journal of quantum chemistry 110 (2010): 2509–2521.
<https://dx.doi.org/10.1002/qua.22752>

4)-Growth and surface structure of Zn oxide layers on a Pd(111) surface

Weirum G.; Barcaro G.; Fortunelli A.; Schennach R.; Surnev S.; Netzer F. P.
Journal of physical chemistry. C 114 (2010): 15432–15439.
<https://dx.doi.org/10.1021/jp104620n>

5)-Ab initio Study of the One-and Two-Photon Absorption and Circular Dichroism of (L)-Tryptophan

Guillaume, M.; Ruud, K.; Rizzo, A.; Monti, S.; Lin, Z.; Xu, X.
114 (2010): 6500–6512.
<http://www.cnr.it/prodotto/i/40316>

info:cnr-pdr/source/autori:Guillaume, M.; Ruud, K.; Rizzo, A.; Monti, S.; Lin, Z.; Xu, X./titolo:Ab initio Study of the One-and Two-Photon Absorption and Circular Dichroism of (L)-Tryptophan/

6)-Two-Photon Absorption Circular-Linear Dichroism on Axial Enantiomers

Toro, C.; De Boni, L.; Lin, N.; Santoro, F.; Rizzo, A.; Hernández, F. E.subjecttwo-photon absorptionsubjectdichroismsubjectcircularly polarized lightsubjectbi-naphtholssubjectnon linear chiral spectroscopy
Chirality (N.Y., N.Y. Print) 22 (2010): 202–210.
<https://dx.doi.org/10.1002/chir.20867>

7)-Two-Photon Absorption Circular Dichroism: “A new twist of nonlinear spectroscopy”

Toro, C.; De Boni, L.; Lin, N.; Santoro, F.; Rizzo, A.; Hernández, F.
E.subjectchiralitysubjectcircular dichroismsubjecttwo-photon absorption
Chemistry - A European Journal 16 (2010): 3504–3509.
<https://dx.doi.org/10.1002/chem.200902286>

8)-The catalytic effect of water on the keto–enol tautomerism. Pyruvate and acetylacetonone: a computational challenge

Alagona* G.; Ghio C.; Nagy P.I.subjectReaction mechanismssubjectB3LYP/6-31++G**subjectCBS extrapolationssubjectB3LYP/6-31G*subjectexplicit water
PCCP. Physical chemistry chemical physics (Print) 12 (2010): 10173–10188.
<http://www.cnr.it/prodotto/i/40332>

info:cnr-pdr/source/autori:Alagona* G., Ghio C., Nagy P.I./titolo:The catalytic effect of water on the keto–enol tautomerism. Pyruvate and acetylacetonone: a computational challenge/

9)-Exotic Supported CoPt Nanostructures: From Clusters to Wires

Barcaro G.; Ferrando R.; Fortunelli A.; Rossi G.
The journal of physical chemistry letters 1 (2010): 111–115.
<https://dx.doi.org/10.1021/jz900076m>

10)-Validation of density-functional versus density-functional+\$US\$ approaches for oxide ultrathin films

Barcaro G.; Thomas I. O.; Fortunelli A.
The Journal of chemical physics 132 (2010): 124703.
<https://dx.doi.org/10.1063/1.3366689>

11)-Kondo effect of cobalt adatoms on nanostructured Cu-O surfaces

Gumbsch A.; Barcaro G.; Ramsey M. G.; Surnev S.; Fortunelli A.; Netzer F. N.
Physical review. B, Condensed matter and materials physics 81 (2010): 165420.
<https://dx.doi.org/10.1103/PhysRevB.81.165420>

12)-Kondo versus magnetic coupling of cobalt dimers

Gumbsch A.; Barcaro G.; Ramsey M. G.; Surnev S.; Fortunelli A.; Netzer F. N.
Journal of physics. Condensed matter (Print) 22 (2010): 222202.
<https://dx.doi.org/10.1088/0953-8984/22/22/222202>

13)-Structure of gas-phase Ag--Pd nanoclusters: A computational study

Negreiros F. R.; Kuntov{\a} Z.; Barcaro G.; Rossi G.; Ferrando R.; Fortunelli A.
The Journal of chemical physics 132 (2010): 234703.
<https://dx.doi.org/10.1063/1.3442911>

14)-Prediction of the structures of free and oxide-supported nanoparticles by means of atomistic approaches: the benchmark case of nickel clusters

Rossi G.; Anghinolfi L.; Ferrando R.; Nita F.; Barcaro G.; Fortunelli A.

PCCP. Physical chemistry chemical physics (Print) 12 (2010): 8564–8570.

<https://dx.doi.org/10.1039/c003949g>

15)-The Effect of CO and H Chemisorption on the Chemical Ordering of Bimetallic Clusters

West P. S.; Johnston R. L.; Barcaro G.; Fortunelli A.

Journal of physical chemistry. C 114 (2010): 19678–19686.

<https://dx.doi.org/10.1021/jp108387x>

16)-Study of the Kramers rare earth ions ground multiplet with a large orbital contribution by multifrequency EPR spectroscopy: Ce³⁺ in PbWO₄ scintillator

Popescu FF; Bercu V; Barascu JN; Martinelli M; Massa CA; Pardi LA; Stefan M; Nistor SV; Nikl M

Optical materials (Amst., Print) 32 (2010): 570–575.

<http://www.cnr.it/prodotto/i/40358>

info:cnr-pdr/source/autori:Popescu FF, Bercu V, Barascu JN, Martinelli M, Massa CA , Pardi LA , Stefan M, Nistor SV, Nikl M/titolo:Study of the Kramers rare earth ions ground multiplet with a large orbital contribution by multifrequency EPR spectroscopy: Ce³⁺ in PbWO₄ scintillator/

17)-Experimental and theoretical study of core-valence double photoionization of OCS

Niskanen J.; Carravetta V.; Vahtras O.; Ågren H.; Aksela H.; Andersson E.; Hedin L.; Linusson P.; Eland J.H.D.; Karlsson L.; Rubensson J.-E; Feifel R.subjectcomputational spectroscopysubjectdouble photoionizationssubjectOCSsubjectTOF-PEPECO

Physical review. A 82 (2010): 43436–43445.

<http://www.cnr.it/prodotto/i/40457>

info:cnr-pdr/source/autori:Niskanen J., Carravetta V., Vahtras O., Ågren H., Aksela H., Andersson E., Hedin L., Linusson P., Eland J.H.D., Karlsson L., Rubensson J.-E, Feifel R./titolo:Experimental and theoretical study of core-valence double photoionization of OCS/

18)-Sound Attenuation at Terahertz Frequencies and the Boson Peak of Vitreous Silica

Baldi, Giacomo; Giordano, Valentina Maria; Monaco, Giulio; Ruta, Beatrice

Physical review letters (Print) 104 (2010): 195501-1.

<https://dx.doi.org/10.1103/PhysRevLett.104.195501>

19)-Communication: High-frequency acoustic excitations and boson peak in glasses: A study of their temperature dependence

Ruta, Beatrice; Baldi, Giacomo; Giordano, Valentina Maria; Orsingher, Laura; Rols, Stephane; Scarponi, Filippo; Monaco, Giulio

The Journal of chemical physics 133 (2010): 041101-1.

<https://dx.doi.org/10.1063/1.3460815>

20)-Equation of state and anharmonicity of carbon dioxide phase I up to 12 GPa and 800 K

Giordano, V.M.; Datchi, F.; Gorelli, F.A.; Bini, R.

133 (2010): 144501.

<http://www.cnr.it/prodotto/i/40518>

info:cnr-pdr/source/autori:Giordano, V.M.; Datchi, F.; Gorelli, F.A.;Bini, R./titolo:Equation of state and anharmonicity of carbon dioxide phase I up to 12 GPa and 800 K/

21)-How an Automated Instrumentation Using an MS-DOS Embedded Controller can be seen as a Usb Device by any Host PC

Ambrosetti R.; Matteoli E.; Ricci D.

Instrumentation science & technology 38 (2010): 31–38.

<https://dx.doi.org/10.1080/10739140903427129>

22)-Excess Gibbs energies and volumes of the ternary system chloroform + tetrahydrofuran + cyclohexane at 298.15K

Gianni P.; Lepori L.; Matteoli E.

Fluid phase equilibria 297 (2010): 52–61.

<http://www.cnr.it/prodotto/i/40534>

info:cnr-pdr/source/autori:Gianni P., Lepori L., Matteoli E./titolo:Excess Gibbs energies and volumes of the ternary system chloroform + tetrahydrofuran + cyclohexane at 298.15K/

23)-Excess Gibbs Energies of the Ternary System 2-Methoxyethanol + Tetrahydrofuran + Cyclohexane and Other Relevant Binaries at 298.15 K

Matteoli E.; Gianni P.; Lepori L.

Journal of chemical and engineering data 55 (2010): 5441–5448.

<http://www.cnr.it/prodotto/i/40536>

info:cnr-pdr/source/autori:Matteoli E., Gianni P., Lepori L./titolo:Excess Gibbs Energies of the Ternary System 2-Methoxyethanol + Tetrahydrofuran + Cyclohexane and Other Relevant Binaries at 298.15 K/

24)-Enhanced Crystallization Kinetics in Poly(ethylene terephthalate) Thin Films Evidenced by Infrared Spectroscopy

BERTOLDO, M.; LABARDI, M.; ROTELLA, C.; CAPACCIOLI, S.subjectPoly(ethylene terephthalate)subjectCrystallizationsubjectUltrathin films

Polymer (Guildford) 51 (2010): 3660–3668.

<https://dx.doi.org/10.1016/j.polymer.2010.05.040>

25)-Local dielectric spectroscopy of nanocomposite materials interfaces

LABARDI, M.; PREVOSTO, D.; NGUYEN, K.; CAPACCIOLI, S.; LUCCHESI, M.; ROLLA, P.

28 (2010): c4d11–c4d17.

<http://www.cnr.it/prodotto/i/40539>

info:cnr-pdr/source/autori:LABARDI, M.; PREVOSTO, D.; NGUYEN, K.; CAPACCIOLI, S.; LUCCHESI, M.; ROLLA, P./titolo:Local dielectric spectroscopy of nanocomposite materials interfaces/

26)-Role of the solid electrolyte composition on the performance of a polymeric memristor

Berzina, T.; Smerieri, A.; Ruggeri, G.; Bernabo', M.; Erokhin, V.; Fontana, M.P.

Materials science & engineering. C, Biomimetic materials, sensors and systems (Print) 30 (2010): 407.

<http://www.cnr.it/prodotto/i/40569>

info:cnr-pdr/source/autori:Berzina, T.; Smerieri, A.; Ruggeri, G.; Bernabo', M.; Erokhin, V.; Fontana, M.P./titolo:Role of the solid electrolyte composition on the performance of a polymeric memristor/

27)-The Electric Potential of Tripolar Spikes

NOCERA LsubjectPlasmassubjectWavessubjectElectrostatics-tripolar-regionssubjectIsolated-electrostatics-structuressubjectSolitary-waves

Physics Letter A (Print) 374 (2010): 1261–1265.

<https://dx.doi.org/10.1016/j.physleta.2009.12.074>

28)-The Structure Function Method for Asymmetric Solitary Waves

Nocera L.; Palumbo L. J.subjectplasmasubjectfundamental-processessubjectVlasov-Poisson-equationssubjectdouble-layerssubjectBGK-waves

Journal of physics. A, Mathematical and theoretical (Print) 43 (2010): 445501.1–445501.18.

<https://dx.doi.org/10.1088/1751-8113/43/44/445501>

29)-Defined Chitosan-based networks by C-6-Azide-alkyne "click" reaction

Zampano, Giovanni; Bertoldo, Monica; Ciardelli

FrancescosubjectPolysaccharidesubjectChitosansubjectClick

reactionssubjectCrosslinkingsubjectFunctionalization of polymers

Reactive & functional polymers (Print) 70 (2010): 272–281.

<https://dx.doi.org/10.1016/j.reactfunctpolym.2010.01.004>

30)-Quantum calculations of nonadiabatic conical-intersection effects in the reactions N +O2 and N +O2

P. Defazio; S. Akpinar; C. Petrongolo..

Chemical physics (Print) 375 (2010): 46.

<http://www.cnr.it/prodotto/i/40631>

info:cnr-pdr/source/autori:P. Defazio, S. Akpinar, and C. Petrongolo../titolo:Quantum calculations of nonadiabatic conical-intersection effects in the reactions N +O2 and N +O2/

31)-Pushing the limit of liquid-state Dynamic Nuclear Polarization at high field

Villanueva-Garibay J.A.; Annino G.; van Bentum P.J.M.; Kentgens A.P.M.

PCCP. Physical chemistry chemical physics (Print) (2010).

<http://www.cnr.it/prodotto/i/40632>

info:cnr-pdr/source/autori:Villanueva-Garibay J.A., Annino G., van Bentum P.J.M., Kentgens A.P.M./titolo:Pushing the limit of liquid-state Dynamic Nuclear Polarization at high field/

32)-Temperature and frequency dependence of dielectric loss of Ba(Mg_{1/3}Ta_{2/3})O₃ microwave ceramics

Shimada T.; Ichikawa K.; Minemura T.; Kolodiaznyi T.; Breeze J.; Alford N. McN.; Annino G.

Journal of the European Ceramic Society (2010).

<http://www.cnr.it/prodotto/i/40633>

info:cnr-pdr/source/autori:Shimada T., Ichikawa K., Minemura T., Kolodiaznyi T., Breeze J., Alford N. McN., Annino G./titolo:Temperature and frequency dependence of dielectric loss of Ba(Mg_{1/3}Ta_{2/3})O₃ microwave ceramics/

33)-A high-conversion-factor, double-resonance structure for high-field Dynamic Nuclear Polarization

Annino G.; Villanueva-Garibay J.A.; van Bentum P.J.M.; Klaassen A.A.K.; Kentgens A.P.M. *Applied magnetic resonance* (2010).

<http://www.cnr.it/prodotto/i/40635>

info:cnr-pdr/source/autori:Annino G., Villanueva-Garibay J.A., van Bentum P.J.M., Klaassen A.A.K., Kentgens A.P.M./titolo:A high-conversion-factor, double-resonance structure for high-field Dynamic Nuclear Polarization/

34)-The effect of free radical reactions onto structure and properties of poly(lactic acid) (PLA) based blends

Coltelli, Maria Beatrice; Bronco Simona; China, CarlossubjectPoly(lactic acid)subjectPoly(butylene-adipate-co-terephthalate)subjectReactive blendingsubjectPeroxide *Polymer degradation and stability* 95 (2010): 332–341.

<https://dx.doi.org/10.1016/j.polymdegradstab.2009.11.015>

35)-Dynamic Crossover of Water Relaxation in Aqueous Mixtures: Effect of Pressure

Grzybowska, K.; Paluch, M.; Grzybowski, A.; Pawlus, S.; Ancherbak, S.; Prevosto, D.; Capaccioli, S.subjectwater mixturesubjectdielectric relaxationsubjectpressure *The journal of physical chemistry letters* 1 (2010): 1170–1175.

<http://www.cnr.it/prodotto/i/40653>

info:cnr-pdr/source/autori:Grzybowska, K.; Paluch, M.; Grzybowski, A.; Pawlus, S.; Ancherbak, S.; Prevosto, D.; Capaccioli, S./titolo:Dynamic Crossover of Water Relaxation in Aqueous Mixtures: Effect of Pressure/

36)-Renner-Teller quantum dynamics of NH +H reactions on the NH₂ and coupled surfaces.

P. Defazio; P. Gamallo; M. González; C. Petrongolo. *114* (2010): 9749.

<http://www.cnr.it/prodotto/i/40654>

info:cnr-pdr/source/autori:P. Defazio, P. Gamallo, M. González, and C. Petrongolo./titolo:Renner-Teller quantum dynamics of NH +H reactions on the NH₂ and coupled surfaces./

37)-Quantum dynamics of the C +HD and C +n-D₂ reactions on the and surfaces.

P. Defazio; P. Gamallo; M. González; S. Akpınar; B. Bussery-Honvault; P. Honvault; C. Petrongolo.

132 (2010): 104306.

<http://www.cnr.it/prodotto/i/40655>

info:cnr-pdr/source/autori:P. Defazio, P. Gamallo, M. González, S. Akpınar, B. Bussery-Honvault, P. Honvault, and C. Petrongolo./titolo:Quantum dynamics of the C +HD and C +n-D₂ reactions on the and surfaces./

38)-Nondipole effects in helium photoionization

L. Argenti and R. Moccia/subjectcalculationssubjectphotoionizationsubjectheliumsubjectangularsubjectanysotropy
43 (2010): 235006.

<http://www.cnr.it/prodotto/i/40730>

info:cnr-pdr/source/autori:L. Argenti and R. Moccia/titolo:Nondipole effects in helium photoionization/

39)-Quantum calculations of nonadiabatic 2A₁-2B₂ conical-intersection effects in the reactions N(4S)+O₂(X₃Sigma⁻) and N(4S)+O₂(A₃Delta)

P. Defazio; S. Akpınar; C. Petrongolo/subjectquantum dynamicssubjectconical-intersection
Chemical physics (Print) 375 (2010): 46–51.

<http://www.cnr.it/prodotto/i/40731>

info:cnr-pdr/source/autori:P. Defazio, S. Akpınar, and C. Petrongolo/titolo:Quantum calculations of nonadiabatic 2A₁-2B₂ conical-intersection effects in the reactions N(4S)+O₂(X₃Sigma⁻) and N(4S)+O₂(A₃Delta)/

40)-Quantum calculations of nonadiabatic (2)A₁-(2)B₂ conical-intersection effects in the reactions N((4)S) + O(2)(X(3)Sigma⁻(g)) and N((4)S) + O(2)(A(3)Delta(u))

Paolo Defazio; Sinan Akpınar; Carlo Petrongolo

Chemical physics (Print) 375 (2010): 46–51.

<http://www.cnr.it/prodotto/i/40735>

info:cnr-pdr/source/autori:Paolo Defazio, Sinan Akpınar, Carlo Petrongolo/titolo:Quantum calculations of nonadiabatic (2)A₁-(2)B₂ conical-intersection effects in the reactions N((4)S) + O(2)(X(3)Sigma⁻(g)) and N((4)S) + O(2)(A(3)Delta(u))/

41)-Investigation of alkyl metal intermediates formation in the rhodium-catalyzed hydroformylation: experimental and theoretical approaches

Lazzaroni R.; Settambolo R.; Alagona G.; Ghio C.subjectUnmodified Rh catalystsubjectHydroformylationssubjectDeuterioformylationssubjectB3P86/6-31G*subjectSelectivity

Coordination chemistry reviews (Print) 254 (2010): 696–706.

<https://dx.doi.org/10.1016/j.ccr.2009.09.032>

42)-Interfacial effects on the dynamics of ethylene-propylene copolymer nanocomposite with inorganic clays

Prevosto D.; Lucchesi M.; Bertoldo M.; Passaglia E.; Ciardelli F.; Rolla P.subjectNano-compositessubjectDielectric propertiessubjectrelaxationsubjectPolymers and organics

Journal of non-crystalline solids 356 (2010): 568–573.

<https://dx.doi.org/10.1016/j.jnoncrysol.2009.09.035>

43)-Quantum dynamics of the C(1D)+HD and C(1D)+n-D2 reactions on the a1A' and b1A

P. Defazio; P. Gamallo; M. Gonzalez; S. Akpinar; B. Bussery-Honvault; P. Honvault; C. Petrongolo

132 (2010): 104306–104313.

<http://www.cnr.it/prodotto/i/168046>

info:cnr-pdr/source/autori:P. Defazio, P. Gamallo, M. Gonzalez, S. Akpinar, B. Bussery-Honvault, P. Honvault, and C. Petrongolo/titolo:Quantum dynamics of the C(1D)+HD and C(1D)+n-D2 reactions on the a1A' and b1A/

44)-Coupling between crystal melting and rigid amorphous fraction mobilization in poly(ethylene terephthalate)

Di Lorenzo M.L.; Righetti M.C.; Cocca M.; Wunderlich B.

Macromolecules (Print) 43 (2010): 7689–7694.

<https://dx.doi.org/10.1021/ma101035h>

45)-Hydrogen Balmer alpha line behavior in Laser-Induced Breakdown Spectroscopy depth scans of Au, Cu, Mn, Pb targets in air

G.S. Senesi¹; P.A. Benedetti²; G. Cristoforetti²; S. Legnaioli²; V. Palleschi²subjectLIBSsubjectHydrogen Balmer alpha linesubjectPlasmasubjectMetals

Spectrochimica acta. Part B, Atomic spectroscopy 65 (2010): 557–564.

<https://dx.doi.org/10.1016/j.sab.2010.05.010>

46)-A Fe K-edge XAS study of amethyst

Di Benedetto, Francesco; D'Acapito, Francesco; Fornaciai, Gabriele; Innocenti, Massimo; Montegrossi, Giordano; Pardi, Luca A.; Tesi, Silvia; Romanelli, MauriziosubjectsilicasubjectamethystsubjectXANESsubjectEXAFSsubjectDFT

Physics and chemistry of minerals 37 (2010): 283–289.

<https://dx.doi.org/10.1007/s00269-009-0332-0>

47)-Renner-Teller quantum dynamics of NH(a1Delta)+H reactions on the NH2 A2A1 and B2B1 coupled surfaces

P. Defazio; P. Gamallo; M. Gonzalez; C. Petrongolo

114 (2010): 9749–9754.

<http://www.cnr.it/prodotto/i/171874>

info:cnr-pdr/source/autori:P. Defazio, P. Gamallo, M. Gonzalez, and C. Petrongolo/titolo:Renner-Teller quantum dynamics of NH(a1Delta)+H reactions on the NH2 A2A1 and B2B1 coupled surfaces/

48)-Threshold temperature luminescent indicators from biodegradable poly(lactic acid)/poly(butylene succinate) blends

Pucci A.; Signori F.; Bizzarri R. Bronco S.; Ruggeri G.; Ciardelli F.

Journal of materials chemistry (Print) 20 (2010): 5843–5852.

<https://dx.doi.org/10.1039/C0JM00057D>

49)-Enzymatically-Crosslinked Porous Composite Matrices For Bone Tissue Regeneration

CIARDELLI G; GENTILE P.; CHIONO V; MATTIOLI-BELMONTE M; VOZZI G; BARBANI N; GIUSTI Psubjectcollagensubjectcrosslinkingsubjecthydroxyapatitesubjecttissue engineeringsubjecttransglutaminase

Journal of biomedical materials research. Part A 92 (2010): 137–151.

<https://dx.doi.org/10.1002/jbm.a.32344>

50)-Two-Photon Absorption Circular Dichroism: A New Twist in Nonlinear Spectroscopy

Toro, C (Toro, Carlos)1; De Boni, L (De Boni, Leonardo)1; Lin, N (Lin, Na)2; Santoro, F (Santoro, Fabrizio)3; Rizzo, A (Rizzo, Antonio)3; Hernandez, FE (Hernandez, Florencio E.)1,4
Chemistry - A European Journal 16 (2010): 3504–3509.

<http://www.cnr.it/prodotto/i/187165>

info:cnr-pdr/source/autori:Toro, C (Toro, Carlos)1; De Boni, L (De Boni, Leonardo)1; Lin, N (Lin, Na)2; Santoro, F (Santoro, Fabrizio)3; Rizzo, A (Rizzo, Antonio)3; Hernandez, FE (Hernandez, Florencio E.)1,4/titolo:Two-Photon Absorption Circular Dichroism: A New Twist in Nonlinear Spectroscopy/

51)-Computational Study of the One- and Two-Photon Absorption and Circular Dichroism of (L)-Tryptophan

Guillaume, Maxime; Ruud, Kenneth; Rizzo, Antonio; Monti, Susanna; Lin, Zijing; Xu, Xuee

The journal of physical chemistry. B 114 (2010): 6500–6512.

<https://dx.doi.org/10.1021/jp1004659>

52)-Experimental and theoretical study of core-valence double photoionization of OCS

Niskanen, J.; Carravetta, V.; Vahtras, O.; Agren, H.; Aksela, H.; Andersson, E.; Hedin, L.; Linusson, P.; Eland, J. H. D.; Karlsson, L.; Rubensson, J. -E.; Feifel, R.subjectphotoionization OCS theory experiment

Physical review. A 82 (2010).

<https://dx.doi.org/10.1103/PhysRevA.82.043436>

53)-Temperature and frequency dependence of dielectric loss of Ba(Mg_{1/3}Ta_{2/3})O-3 microwave ceramics

Shimada, T.; Ichikawa, K.; Minemura, T.; Kolodiazhnyi, T.; Breeze, Jonathan; Alford, Neil
McN.; Annino, GiuseppesubjectDielectric

propertiessubjectSpectroscopysubjectPhononsubjectPerovskite

Journal of the European Ceramic Society 30 (2010): 331–334.

<https://dx.doi.org/10.1016/j.jeurceramsoc.2009.04.027>

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

1)-Stem cells transplantation may help to regrow inner ear sensory cells and neurons in deafened mice

Revoltella Roberto P

Pisa, 2010

<http://www.cnr.it/prodotto/i/88200>

info:cnr-pdr/source/autori:Revoltella

Roberto

P/congresso_nome:/congresso_luogo:Pisa/congresso_data:2010/anno:2010/pagina_da:/pagina_a:
/intervallo_pagine:

2)-Trapianto di cellule staminali come potenziale strategia per il recupero dell'udito e dell'olfatto dopo danno permanente

Revoltella Roberto P

Firenze, 2010

<http://www.cnr.it/prodotto/i/88202>

info:cnr-pdr/source/autori:Revoltella

Roberto

P/congresso_nome:/congresso_luogo:Firenze/congresso_data:2010/anno:2010/pagina_da:/pagina_a:
a_a:/intervallo_pagine:

3)-Trapianto di Cellule Staminali: Potenziale Strategia per Riabilitare l'Udito in Topi Otolesi

Revoltella Roberto P

Pisa, 2010

<http://www.cnr.it/prodotto/i/88203>

info:cnr-pdr/source/autori:Revoltella

Roberto

P/congresso_nome:/congresso_luogo:Pisa/congresso_data:2010/anno:2010/pagina_da:/pagina_a:
/intervallo_pagine:

4)-Cochlear repair by transplantation of human cord blood CD133+ cells to nod-scid mice made deaf by kanamycin and noise

Revoltella Roberto P

Praga, 2010

<http://www.cnr.it/prodotto/i/88205>

info:cnr-pdr/source/autori:Revoltella

Roberto

P/congresso_nome:/congresso_luogo:Praga/congresso_data:2010/anno:2010/pagina_da:/pagina_a:
a:/intervallo_pagine:

5)-Le cellule staminali: Cosa sono?

Revoltella Roberto P

Milano, 2010

<http://www.cnr.it/prodotto/i/88206>

info:cnr-pdr/source/autori:Revoltella

Roberto

P/congresso_nome:/congresso_luogo:Milano/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

6)-Olfatto: terapia rigenerativa con cellule staminali

Franceschini V.; Bettini S.; Revoltella R.

Milano, 2010

<http://www.cnr.it/prodotto/i/88207>

info:cnr-pdr/source/autori:Franceschini

V.,

Bettini

S.,

Revoltella

R./congresso_nome:/congresso_luogo:Milano/congresso_data:2010/anno:2010/pagina_da:/pagina_a_a:/intervallo_pagine:

7)-'Cochlear repair after human stem cell transplantation in nod-scid mice made deaf with kanamycin and noise

Revoltella Roberto P

Shanghai, 2010

<http://www.cnr.it/prodotto/i/88208>

info:cnr-pdr/source/autori:Revoltella

Roberto

P/congresso_nome:/congresso_luogo:Shanghai/congresso_data:2010/anno:2010/pagina_da:/pagina_a_a:/intervallo_pagine:

8)-Dielectric characterization by means of whispering gallery mode resonators

Fittipaldi M.; Strambini E.; Martinelli M.; Annino G.

Infrared Millimeter and Terahertz Waves (IRMMW-THz), 2010 35th International Conference on, Roma, 2010

<http://www.cnr.it/prodotto/i/88225>

info:cnr-pdr/source/autori:Fittipaldi

M.,

Strambini

E.,

Martinelli

M.,

Annino

G./congresso_nome:

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2010 35th

International

Conference

Conference

on/congresso_luogo:Roma/congresso_data:2010/anno:2010/pagina_da:/pagina_a_a:/intervallo_pagine:

9)-Open single-mode cavities for millimeter and submillimeter wavelengths

Fittipaldi M.; Martinelli M.; Annino; G.

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<http://www.cnr.it/prodotto/i/88226>

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10)-GE and VE of the ternary mixtures chloroform or 2-methoxyethanol + THF + cyHexane at 298.15K

E.Matteoli; P.Gianni; L.Lepori
2010

<http://www.cnr.it/prodotto/i/88232>

info:cnr-pdr/source/autori:E.Matteoli, P.Gianni,
L.Lepori/congresso_nome:/congresso_luogo:/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

11)-Antioxidant properties of natural compounds through their copper(II) coordination ability

Alagona G.; Ghio C.

The Intl. Society of Quantum Biology and Pharmacology (ISQBP) President's Meeting 2010, June 14-16, Cetraro (CS), Italy, 2010

<http://www.cnr.it/prodotto/i/117109>

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12)-Theoretical Prediction of Selectivities in Nonreversible and Reversible Hydroformylation Reactions Catalyzed by Unmodified Rh-Carbonyls

Alagona G.; Ghio C.; Lazzaroni R.

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13)-Selectivities in Hydroformylation Reactions of Variedly Substituted Cyclohexenes and Related Linear Substrates

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14)-AMPHIPHILIC COPOLYMERS FROM POLYSACCHARIDES AND (METH)ACRYLACRYLATES BY “click” promoted coupling

Bertoldo, Monica; Zampano, Giovanni; La Terra, Federico; Russo, Vincenzo; Ciardelli, Francesco

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<http://www.cnr.it/prodotto/i/117136>

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15)-NEW HYBRID MACROMOLECULAR ARCHITECTURES BY COVALENT BINDING OF SYNTHETIC POLYMERS TO POLYSACCHARIDES

Bertoldo, Monica; Zampano, Giovanni; Ciardelli, Francesco

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16)-HIGH-FREQUENCY ACOUSTIC EXCITATIONS AND BOSON PEAK IN GLASSES: A STUDY OF THEIR TEMPERATURE DEPENDENCE

Ruta, Beatrice; Baldi, Giacomo; Giordano, Valentina M.; Monaco, Giulio

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17)-The vibrational dynamics of GeO₂ at the glass transition: a Raman and Brillouin scattering study

Rossi, Flavio; Caponi, Silvia; Baldi, Giacomo; Fontana, Aldo; Orsingher, Laura; Zanatta, Marco

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info:cnr-pdr/source/autori:Rossi, Flavio; Caponi, Silvia; Baldi, Giacomo; Fontana, Aldo; Orsingher, Laura; Zanatta, Marco/congresso_nome:XII International Workshop on Complex Systems/congresso_luogo:Andalo, Trento (Italy)/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

18)-Temperature Dependence of the High-Frequency Dynamics in Glasses

Ruta, Beatrice; Baldi, Giacomo; Giordano, Valentina M.; Monaco, Giulio

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19)-HIGH-FREQUENCY ACOUSTIC EXCITATIONS AND BOSON PEAK IN GLASSES: A STUDY OF THEIR TEMPERATURE DEPENDENCE

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20)-High frequency elastic anomalies and the boson peak of glasses

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21)-Nonlinear Dielectric Dynamics of Polymers Probed by FM-EFM

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

13th International Conference on Non Contact Atomic Force Microscopy, Kanazawa (Japan), 2010

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(Japan)/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

22)-Relaxation properties of polymer nanocomposite: a dielectric spectroscopy insight at the nanometric scale

Prevosto, D.; Labardi, M.; Nguyen, Kim H.; Capaccioli, S.; Lucchesi, M.; Rolla P.

Broadband Dielectric Spectroscopy and its Applications, Madrid, 2010

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23)-Relaxation dynamics of ultrathin polymer films investigated on the nanoscale by local dielectric spectroscopy

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<http://www.cnr.it/prodotto/i/117168>

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24)-Skewed Coherent Electrostatic Structures: their electric field and particle distributions

Nocera L.subjectelectrostatic tripolar spikesubjectVlasov equationsubjectdiscontinuous distribution funcionssubjectelectric potential profile asymmetry

EGU General Assembly, Vienna, 1-7/05/2010

<http://www.cnr.it/prodotto/i/117196>

info:cnr-pdr/source/autori:Nocera L./congresso_nome:EGU General Assembly/congresso_luogo:Vienna/congresso_data:1-7/05/2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

25)-LINEAR AND NONLINEAR SPECTROSCOPIES AND CHIRALITY

Rizzo, Antonio

Nordic-China symposium on molecular bio- and nanoscience, Hefei, China, 2010

<http://www.cnr.it/prodotto/i/117289>

info:cnr-pdr/source/autori:Rizzo, Antonio/congresso_nome:Nordic-China symposium on molecular bio- and nanoscience/congresso_luogo:Hefei, China/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

26)-Thereshold Temperature Visual Indicators from Bio-related Polymer Blends

Pucci, A.; Signori, F.; Bizzarri, R.; Bronco, S.; Ruggeri, G.; Ciardelli, F.

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<http://www.cnr.it/prodotto/i/117314>

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27)-Luminescent biodegradable multiphase materials as smart indicators to thermal stress

Pucci, A.; Signori, F.; Bizzarri, R.; Bronco, S.; Ruggeri, G.; Ciardelli, F.

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28)-Color responsive smart polymers and biopolymers films through nanodispersion of organic chromophores and metal particles

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FATIPEC 2010, Genova, 2010

<http://www.cnr.it/prodotto/i/117316>

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29)-Compatibilizzazione di miscela PLA/PBAT mediante formazione in-situ di copolimeri durante il processo di miscelazione nel fuso

Bronco, S.; Signori, F.; Coltelli, M.-B.; Ciardelli, F.

1° Congresso Nazionale sugli imballaggi in polimeri biodegradabili, Parma, 2010

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30)-Silice Libera Cristallina nei Luoghi di Lavoro.

Fabio Capacci; Franco Carnevale; Francesco Di Benedettosubjectsilice libera cristallinasubjectigiene industrialesubjectprevenzionesubjectiron

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/anno:2010

31)-THE NATURE OF GLASS: SOMETHINGS ARE CLEAR

NGAI K.L.; CAPACCIOLI S.; PREVOSTO D.; PALUCH M.subjectglass transitionssubjectinteracting systemssubjectsecondary relaxationsubjectstructural relaxationsubjectfrequency dispersion, , 2010

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32)-EVIDENCES OF A COMMON SCALING UNDER COOLING AND COMPRESSION FOR SLOW AND FAST RELAXATIONS: RELEVANCE OF LOCAL MODES FOR THE GLASS TRANSITION

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33)-Report on the IR and Raman fingerprints of different proteins targeted by the Nanoantenna project (D1.1 FP7 EU Project - Nanoantenna)

M. Lamy de La Chapelle; P. G. Gucciardi; O. M. Maragò; B. Fazio; A. Pucci; R. Marks
2010

<http://www.cnr.it/prodotto/i/158358>

34)-Report on the optical properties of individual nanoantennas (D2.1 FP7 EU Project Nanoantenna)

A. Pucci; J. Aizpurua; P. G. Gucciardi; B. Fazio; C. D'Andrea; O. M. Maragò; M. A. Iatì; M. Lamy de La Chapelle; N. Guillot
2010

<http://www.cnr.it/prodotto/i/158359>

35)-Olfactory loss repair and neuroepithelial regeneration in herbicide-treated mice by stem cell transplantation

Revoltella Roberto P
Pisa, 2010

<http://www.cnr.it/prodotto/i/169739>

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P/congresso_nome:/congresso_luogo:Pisa/congresso_data:2010/anno:2010/pagina_da:/pagina_a:/intervallo_pagine:

36)-Coupling between crystal fusion and mobilization of the rigid amorphous fraction in poly(ethylene terephthalate)

M. L. Di Lorenzo; M. C. Righetti; M. Cocca; B. Wunderlich

11th Lahnwitzseminar on Calorimetry, Rostock (Germania) 6-11 giugno 2010., Rostock, 2010

<http://www.cnr.it/prodotto/i/172258>

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37)-Alternative synthetic routes for the preparation of PLA/montmorillonite nanocomposites

Bronco S.; Coltelli M.B.; Castiello S.; Ciardelli F.; Taburoni E.; Conzatti L.

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38)-Caratterizzazione della SLC: proprietà ed alterazioni chimico-fisiche

M. Romanelli; L. Bartali; F. di Benedetto; M. Innocenti; S. Tesi; E. Bafaro; G. Fornaciai; F. d'Acapito; G. Montegrossi; L. A. Pardi

Silice Libera Cristallina nei luoghi di lavoro, edited by F. Capacci, F. Carnevale, F. di Benedetto, pp. 192–275, 2010

<urn:isbn:88-09-74917-0>

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