CURRICULUM di **BENCIVENNI LUIGI**

RICERCATORE UNIVERSITARIO CONFERMATO in servizio presso il Dipertimento di
Chimica dell'Università di Roma

Insegnamenti:
Precedentemente:Chimica Teorica, Chimica Quantistica, Teoria delle Vibrazioni molecolari; Chimica Computazionale, Tecnologie Informatiche Chimiche, Laboratorio di Chimica Fisica (Spettroscopia)
Attualmente: Corsi di dottorato interni al dipartimento di chimica

Settore della ricerca: Chimica Fisica (CHIM 02)

ELENCO DI ALCUNE PUBBLICAZIONI

Structural and vibrational study of 2-MethoxyEthylAmmonium Nitrate (2-OMeEAN): Interpretation of experimental results with ab initio molecular dynamics

By:Campetella, M; Bovi, D; Caminiti, R ; Guidoni, L ; Bencivenni,; Gontrani, L

JOURNAL OF CHEMICAL PHYSICS Volume: 145 Issue: 2
Article Number: 024507
DOI: 10.1063/1.4956459
Published: JUL 14 2016

Chloromethyl-oxirane and chloromethyl-thiirane in liquid phase: A joint experimental and quantum chemical study
Campetella, M; Bencivenni, L ; Caminiti, R ; Zazza, C ; Di Trapani, S ; Martino, A ; Gontrani,

CHEMICAL PHYSICS Volume: 473 Pages: 24-31
DOI: 10.1016/j.chemphys.2016.03.027
Published: JUL 1 2016

FTIR spectra and density functional theory P.E.D. assignments of oxiranes
in Ar matrix at 12 K

L.Gontrani, S. Nunziante Cesaro, S. Stranges, L. Bencivenni A. Pieretti
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 120 (2014) 558–567

Two Different Models to Predict Ionic-Liquid Diffraction

Patterns: Fixed-Charge versus Polarizable Potentials

Marco Campetella, Lorenzo Gontrani, Francesca Leonelli, Luigi Bencivenni, and
Ruggero Caminiti
ChemPhysChem 2015, 16, 197 – 203

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Trinitrotoluene Compounds

Adriana Puiu,Gianfranco Giubileo,Stella Nunziante Cesaro, Luigi Bencivenni
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Pieretti, Andrea; Nunziante Cesaro, Stella
From ISRN Physical Chemistry (2012), 243741, 11 pp..
Language: English, Database: CAPLUS

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Author(s): Guidoni, Leonardo; Gontrani, Lorenzo; Bencivenni, Luigi; JOURNAL OF PHYSICAL CHEMISTRY Volume: 113 Issue: 1 Pages: 353-359 DOI: 10.1021/jp809076t Published: JAN 8 2009

Dimerisation of urea in water solution: a quantum mechanical investigation
Author(s): Ramondo, Fabio; Bencivenni, Luigi; Caminiti, Ruggero;

Source: PHYSICAL CHEMISTRY CHEMICAL PHYSICS Volume: 9 Issue: 18 Pages: 2206-2215 DOI: 10.1063/b617837e Published: 2007

Gas phase dissociation of H2SO4: A computational study
Author(s): Brutti, S.; Bencivenni, L.; Barbarossa, V.; et al.
Source: JOURNAL OF CHEMICAL THERMODYNAMICS Volume: 38 Issue: 11 Pages: 1292-1300 DOI: 10.1016/j.jct.2006.02.009 Published: NOV 2006

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Source: JOURNAL OF MOLECULAR STRUCTURE-THEOCHEMÂ Volume: 764 Issue: 1-3 Pages: 87-93 DOI: 10.1016/j.theochem.2006.02.019 Published: MAY 30 2006

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On the performance of time-dependent density functional theory and polarizable continuum model in the study of aqueous formaldehyde

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Energy-dispersive X-ray diffraction on thin films and its application to superconducting samples
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