Curriculum Vitae

Fusaro Massimo

email: maxitp@gmail.com

Citizenship: Italian

Education:

Postdoc
Warsaw University Faculty of Chemistry
Quantum Chemistry Laboratory
Postdoctoral student 1set. 2008 1set. 2011

Ph.D Physical Chemistry
University Federico II Naples Italy
Dissertation: Partition techniques in the calculation of biomolecules and nanomolecules

M.S. Chemistry
(Cum laude)
University of Northern Piedmont Amedeo Avogadro Italy
Dissertation: Embedding techniques in the theoretical treatment of complex molecules

M.S. Physics
University of Genova Italy
Dissertation: Superconductivity in copperless systems experimental results about the Sr-V-Tl-O and Ba-Pb-Bi-O families

High School Diploma Expert in Chemistry (Perito Chimico)
State Technical High School Aldo Gastaldi Genova Italy

Teaching habilitations (Italian law)
Math and Physics : high school
Applied Math: high school
Physics : high school
Chemistry Lab: high school

Science and Math: middle school

Employment History: (Italy)

State high school teacher of Physics
I hold a permanent position from 2000

State high school teacher of Chemistry lab
2000-2001 (permanent position)

State high school teacher of Electronics and Electrotechnics
1993-2000 temporary position

Publications:

1) Proc. of VI National Congress of high temperature superconductivity Satt VI: Superconductivity in copperless systems experimental results about the Sr-V-Tl-O and Ba-Pb-Bi-O families (from master thesis in Physics)

2) Aleksandar Radu, Robert Byrne, Nameer Alhashimy, Massimo Fusaro, Silvia Scarmagnani and Dermot Diamond; Spiropyran-based reversible, light-modulated sensing with reduced photofatigue; J. Photochem. Photobiol. A; 2009, 109-115

3) Hypothesis of a proton switch in QM/MM modelling of interaction of dUMP analogues with thymidylate synthase
Authors: Fusaro Massimo; Jurkiewicz, Agata; Jarmuła, Adam; Leś, Andrzej; Rode, Wojciech
Source: Molecular Simulation, Volume 36, Number 13, November 2010 , pp. 1059-1066(8)

4) Theoretical and Computational Modeling of Functionalization Energy for Highly Symmetrical Molecules: Nanotubes and
Fullerenes
Author: Fusaro, Massimo
Source: Journal of Computational and Theoretical Nanoscience, Volume 6, Number 5, May 2009 , pp. 1175-1180(6)

5) Theoretical and Computational Modeling of Functionalization Energy for Armchair Molecular Models of Nanotubes
Author: Fusaro Massimo
6) Source: Journal of Computational and Theoretical Nanoscience, Volume 7, Number 8, August 2010 , pp. 1393-1399(7) A Simple Formula for Evaluation of the Condensed Fukui's Function in Armchair Molecular Models of Nanotubes
Author: Fusaro, Massimo
Source: Journal of Computational and Theoretical Nanoscience, Volume 7, Number 11, November 2010 , pp. 2393-2400(8)

7) Theoretical and Computational Modeling of Functionalization Energy for Molecular and Periodical Models of Linear
Conjugated Transpolyacetylene
Author: Fusaro Massimo
Journal of Computational and Theoretical Nanoscience, Volume 8, Number 4, April 2011 , pp. 521-528(8)

8) Theoretical and computational modeling of functionalization energy vs.
length for armchair models of nanotubes
Author: Fusaro Massimo
Journal of Computational and Theoretical Nanoscience, Volume 8, Number 9, September 2011 , pp. 1648-1652(5)

9) Theoretical and computational modeling of endohedral functionalization energy for armchair models of nanotubes
Author: Fusaro Massimo
Journal of Computational and Theoretical Nanoscience (CTN)
accepted: 13 Dec. 2010

10) "Theoretical and computational modeling of functionalization energy for the polycyclic aromatic hydrocarbons (PAHs) homologue series"

Author: Fusaro Massimo
Journal: Structural Chemistry
accepted: 06 Aug 2011

11) “Derivation of the linear relationship between SWCNTs functionalization energies and sidewall curvature”

Author: Fusaro Massimo
Journal: Structural Chemistry special issue
Accepted: 05 Oct 2011

Course Taught:

Computer assistence in the Chemistry laboratory: spring semester of the academic year 2005/2006 Faculty of Chemistry Warsaw University Poland

Some information about me can be found:

http://dcu.ie/ncsr/news/news%20archive.html#mmodelling

(looking for)

Molecular Modelling course using Gaussian03 by Dr. Massimo Fusaro (Italy)-21st- 25th January 2008 Funded by School of Chemical Sciences (DCU Dublin)

Skills/Interests:

I am interested in electronics as hobby

I have mechanical abilities in repairing things, cars TV sets etc. I have interests in all fields of science.