



Ettore Fois

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Contact data

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Biography

Prof. Ettore Fois studied Chemistry at the University of Sassari, then he earned his PhD in Chemical Sciences at the University of Milan (supervisors Prof M. Simonetta and Prof. A. Gamba). His postdoctoral years were spent in the Solid State Group at SISSA (Trieste) working with Prof. R. Car, Prof. M. Parrinello and Prof. A. Selloni. Then he moved to Oxford University, at the Physical Chemistry Laboratory as Research Assistant, working in the group directed by Prof P. Madden. He has been as long term visiting scientist in various institutions: IBM Research Laboratory in Rüschlikon, Zürich (Prof. M. Parrinello), Physical Chemistry Department, University of Geneva (Prof. A. Selloni), Max-Planck Institut für Festkörperforschung in Stuttgart (Prof. M. Parrinello). Now he is Associated Professor of Physical Chemistry at the Faculty of Mathematical, Physical and Natural Sciences at the University of Insubria at Como.

Research interests

Simulation of Chemical Processes in Condensed Phases

Teaching experience and appointments

Physical Chemistry

Physical Chemistry of Color

Physical Chemistry of Condensed

Representative publications

Intermolecular electronic excitation transfer in a confined space: A first-principles study. Fois E, Gamba A, Medici C, Tabacchi G, CHEMPHYSICHEM 6 (9): 1917-1922 SEP 5 2005

Conjugated molecules in nanochannels: nanoengineering for optoelectronics. Tubino R, Fois E, Gamba A, Macchi G, Meinardi F, Minoia A. STUDIES IN SURFACE SCIENCE AND CATALYSIS 155: 501-510 2005

Electronic spectra of Ti(IV) in zeolites: An ab initio approach. Fois E, Gamba A, Tabacchi G. CHEMPHYSICHEM 6 (7): 1237-1239 JUL 11 2005

Molecular dynamics simulation of reconstructive phase transitions on an anhydrous zeolite. Ceriani C, Laio A, Fois E, Gamba A, Martonak R, Parrinello M. PHYSICAL REVIEW B 70 (11): Art. No. 113403 SEP 2004

A molecular dynamics study of the behavior of sodium in low albite.
Alberti A, Fois E, Gamba A. AMERICAN MINERALOGIST 88 (1): 1-10
JAN 2003.

First-principles molecular dynamics investigation of the D-amino acid
oxidative half-reaction catalyzed by the flavoenzyme D-amino acid
oxidase. Tilocca A, Gamba A, Vanoni MA, Fois E. BIOCHEMISTRY 41
(48): 14111-14121 DEC 3 2002.

First-principles simulation of the intracage oxidation of nitrite to nitrate
sodalite. Fois E, Gamba A, Tabacchi G. CHEMICAL PHYSICS
LETTERS 329 (1-2): 1-6 OCT 13 2000

PROPERTIES OF SUPERCRITICAL WATER - AN AB-INITIO
SIMULATION. FOIS ES, SPRIK M, PARRINELLO M. CHEMICAL
PHYSICS LETTERS 223 (5-6): 411-415 JUL 1 1994.

SELF-INTERACTION CORRECTED DENSITY FUNCTIONALS AND
THE STRUCTURE OF METAL-CLUSTERS. FOIS ES, PENMAN JI,
MADDEN PA. JOURNAL OF CHEMICAL PHYSICS 98 (8): 6352-6360
APR 15 1993

STRUCTURE, ELECTRONIC-PROPERTIES, AND DEFECTS OF
AMORPHOUS GALLIUM-ARSENIDE. FOIS E, SELLONI A, PASTORE
G, ZHANG QM, CAR R. PHYSICAL REVIEW B 45 (23): 13378-13382
JUN 15 1992

MOLECULAR-DYNAMICS STUDIES ON ZEOLITES .4. DIFFUSION
OF METHANE IN SILICALITE. DEMONTIS P, FOIS ES, SUFFRITTI
GB, QUARTIERI S. JOURNAL OF PHYSICAL CHEMISTRY 94 (10):
4329-4334 MAY 17 1990