



ΕΘΝΙΚΟΝ & ΚΑΠΟΔΙΣΤΡΙΑΚΟΝ
ΠΑΝΕΠΙΣΤΗΜΙΟΝ ΑΘΗΝΩΝ
NATIONAL & KAPODISTRIAN
UNIVERSITY OF ATHENS



Professor Dr Jannis SAMIOS
●Director of Physical Chemistry Laboratory
●Head of Section I

Sector: Physical & Theoretical Chemistry
Department of Chemistry
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CURRICULUM VITAE

PERSONAL DATA

FULL NAME: Jannis Nicolaos SAMIOS

NATIONALITY: GREEK

DATE OF BIRTH: Limni Evias, 1949,
Married, two children

ADDRESSES:

Office Address: "National & Kapodistrian University of Athens, Department of Chemistry, Laboratory of Physical & Theoretical Chemistry, Panepistimiopolis 157 71, Athens, Greece".

Home Address: 11, Orfanidou st, Marousi, GR-15126, Athens Greece:
Tel.: +30 210 8065030

Military Service, June 1973 - December 1975 (Greek Air Forces)

Academic Qualifications:

- **PhD,** *Department of Chemistry, Laboratory of Physical Chemistry I, University Bielefeld-Germany (1976-1981)*
"Physical Chemistry & Chemical Physics Studies in Liquid State Molecular Systems via Statistical Mechanical Theory, Spectroscopy & Computer Simulation Computational Techniques"
- **B.Sc.,** *Faculty of Physical & Mathematical Science, Department of Mathematics, National & Kapodistrian University of Athens-Greece (1973)*

Appointments: Employment & Experience

- September 2006-today: **Professor,** Chemistry Department, University of Athens-Greece
- September 2006-1993: **Associate Professor,** Chemistry Department, Univ. of Athens

- 1993-1988: Assistant Professor, Chemistry Department, University of Athens
- 12/1989-1/1986: Postdoctoral Researcher “Institute Physical Chemistry II, University Bielefeld & *Centrum for Interdisciplinary Research (ZIF) Nordr. Westfalen*, awarded by “*Deutsche-Forschungsgemeinschaft (DFG)*”
- 12/1985-1/1982: Postdoctoral Research & Teaching & Ass.(Pos. BaT II) “Department of Chemistry, Institute. PC II, University Bielefeld, Germany
- 12/1981-3/1976: Teaching & Research Associate “ Department of Chemistry, Institute PC I & II, University Bielefeld, Germany (by Profs. Dr **Dorfmueller**, **Jost** and **Knoche**)
- Autumn 1978: Visiting Research Fellow, Chemistry Department, Royal Holloway College, University of London U. K. , Institute of Physical Chemistry & Molecular Physics (by Prof. **K. Singer**)

Teaching Activities: *Classes taught*

- For Undergraduate & Post-graduate students:
- Computer programming and applications in FORTRAN & C, UNIX
- Mathematics & Statistics, Special Mathematical Techniques in Computational Physical Chemistry.
- Kinetic Theory & Transport Properties of particles.
- Classical & Statistical Thermodynamics.
- Statistical Molecular Mechanics-Linear response theory - Time correlation Functions & Relaxation Phenomena-Pair Distribution Functions & Intermolecular Structure
- Intermolecular forces based upon *Effective Potential Models* between Molecules in Condensed Matter Molecular Systems (liquids, Supercritical fluids etc. .)
- Computer Simulation Techniques Monte Carlo & Molecular Dynamics, Molecular Mechanics, etc.....

Supervisor: of 9 PhD Dissertations, 15 M.Sc Theses, 24 Diploma Theses

Research Interests/Activities:

- ***Physical Chemistry Science of Dense Molecular Systems- Molecular Liquids & Supercritical Fluids***
- ***Statistical Mechanics & Thermodynamics***-Theoretical Methods & Applications via (Analytical Theory, DFT, PY, HC, RISM, MSA, MF, MMK, etc.) –investigation of the structural & dynamical aspects of the condensed matter molecular systems.
- ***Computer Modeling*** of Molecular Systems using Computational Simulation Techniques (MD, MC, MM, etc..).

Research Topics of Interest:

- Physico - Chemical & Chemical Physics Studies

of:

- Simple & complex molecular liquid systems (pure & solutions)

- Supercritical fluids-(pure and mixtures) (alternative non toxic solvents-Applications in Green Chemistry) etc..

- Studies of the intermolecular forces in molecular systems and construction of effective potential models among the molecules.
- Theoretical-computational studies on the properties of ionic liquids and surfactants.
- Theoretical-computational studies of interaction induced phenomena in molecular liquid systems.
- Adsorption on various gases (H₂, CO₂ etc.) uptake on specific molecular substrates (Carbon Nanotubes CNTs, Silicon Carbon NTs, MOFs etc..)
- Participation in 40 national & international conferences (Invited talks 35, Oral presentations 20, Session chair 18, Posters 30)

Scientific

Publications/Citations:

- (70) Publications in international Journals • (30) conference papers • (8) Invited papers in International Journals.

• **Main Organizer & Editor**-Special Vol. *NATO ASI Science Series II Mathematics, Physics & Chemistry* Kluwer Academic. Publication (2004) "*Novel Approaches to the Structure and Dynamics of Liquids*"

• **Guest Editor**-Special Issue "*Journal of Molecular Liquids*" (2004) [Annual Conference (European Molecular Liquid Group (EMLG)& Japanese Molecular Liquid Group (JMLG))]

• **Guest Editor**-Special Issue in "*J.Pure & Applied Chemistry (IUPAC) (2004) (EMLG – JMLG) Rhodes meeting*"

• **Main Organizer**» of the Annual Meeting of the *EMLG/JMLG* international Scientific Societies, **which be held** in **Crete – Chania, Greece** (11 -16 September 2016).

Title "*Progresses on the Experimental & Theoretical-Computational Techniques for the Study of Liquids and Supercritical Fluids. From Simple to Complex Systems*"

- More than 1000 citations. (H-index19)

Distinctions-Awards

- 3/1976-12/1981: Ph.D Fellowship, DFG, ZIF – Germany.
- "Certificate of Appreciation" from EMLG/JMLG Scientific Societies as main organizer for the conference & summer school-Rhodes 2002.
- Awarded (sponsored) by IUPAC-as main organizer of the "Annual Meeting of EMLG/JMLG international Scientific Societies.
- Awarded (sponsored) by NATO-as main organizer of the NATO-ASI summer school

2002. • Awarded from the “*International Scientific-Exchange Program, Collaborative Research Grant- NATO, (Univ. Athens Greece, Techn. Univ. Aachen & Penn State University USA)*”.

• Awarded (sponsored.) by the *Chemical Industry of Germany (Fonds der Deutsche. Chemischen Industrie)* • Awarded (sponsored) by the German Automobile Industry (Volkswagenwerk Stiftung), etc....

Other Activities:

• **Member of the**

• International Advisory Committee “*European Molecular Liquid Group (EMLG)*”

• Editorial Board of the *Journal of Molecular Liquids*

• *Deutsche Bunsen Gesellschaft Physikalische Chemie*

• *Greek union for hydrogen technologies (ELETY)*

• **Reviewer of:**

• Proposals submitted for evaluation in.-GSRT of Greece & other national & international found/s & organ/s

• Scientific papers submitted for evaluation. in *JCP, JPC A, JPC B, JPC C, JPC L, Chem. Phys., Che. Phys.L., JML, EPJ, J. Exp. Nanosien., Intr. J. Hydr. Ener. etc.*

- Proposals submitted for evaluation in PRACE, Scientific Review (Partnership for Advanced. Super Computer Facilities in Europe)
 - Management of 10 research projects and participation in 4 infrastructure projects. Scientist in Charge in 12 research proposals

Publications

• Dissertation

(Dissertation zur Erladung des Doktorgrades der NATURWISSENSCHAFTEN (DR.RER.NAT) der Facultät für Chemie - Physicalische Chemie an der Universität. BIELEFELD -GERMANY)

Jannis Samios Department of Chemistry, University of Bielefeld Germany (1981)

-
- *"Collision effects in liquid CCl₄ . A molecular dynamics study".*

J. Samios and Th. Dorf Müller

Journal of CHEMICAL PHYSICS 76, 5463 (1982)

-
- *"Molecular Dynamics of liquid Argon: Collision times and Durations"*

J. Samios, D. Samios, W. Mersch, Th. Dorf Müller

Ber. Bunsenges. PHYSICAL CHEMISTRY (Germany) 86, 52 (1982)

-
- *"Collision-Induced absorption in non polar molecular liquids".*

H. Arning, J. Samios, K. Tibulski, Th. Dorf Müller

Chemical Physics 67, 177 (1982)

-
- *"Application of the Mode-Matching Model to V-T (Vibration - Translation) in liquid CCl₄"*

D. Samios, J. Samios, Th. Dorf Müller

Molecular Physics

49, 543 (1983)

- "A Molecular Dynamics Simulation of interaction induced dipole correlation functions in liquid CS₂".

Th. Dorf Müller, J. Samios

Molecular Physics

53, 1167 (1984)

- "Steric Hindrance of Diffusion controlled reactions".

M. Lopez-Quintella, J. Samios, W. Knoche

Journal of Molecular Liquids

29, 243 (1984)

- "The FAR-INFRARED absorption spectrum of liquid N₂. A molecular dynamics simulation study".

J. Samios, U. Mittag, Th. Dorf Müller

Molecular Physics

56, 541 (1985)

- "Interaction - induced Far-Infrared spectra of liquid CS₂/CCl₄ mixtures".

M. Potthast, J. Samios, Th. Dorf Müller

Chemical Physics

102, 147 (1986)

- "A Molecular Dynamics Simulation of interaction-Induced FAR-INFRARED absorption spectra of liquid CS₂".

J. Samios, U. Mittag, Th. Dorf Müller

Molecular Physics

59, 65 (1986)

- *"Octopole and Hexadecapole induction mechanisms in interaction - induced spectra: A Molecular Dynamics Simulation."*

Th. Dorf Müller, J. Samios, U. Mittag

Chemical Physics 107, 397 (1986)

- *"Brownian motion and Fractal geometry in liquid state.
I. Translations of linear Molecules"*

J. Samios, P. Pfeifer, M. Obert, U. Mittag, Th. Dorf Müller

Chemical Physics Letters 123, 545 (1986)

- *"Translational correlation functions of interaction induced dipoles in dense media"*

Z. Gburski, J. Samios, Th. Dorf Müller

Journal of CHEMICAL PHYSICS 86, 383 (1987)

- *"Influence of Fractal Dimension on diffusion controlled reactions"*

M. Lopez-Quintella, J. Moure, M. Nunez, J. Samios

Chemical Physics Letters 138, 476(1987)

- *"Translational component of the interaction-induced dipole correlation functions in dense fluids"*

Z. Gburski, J. Samios, Th. Dorf Müller

Journal of CHEMICAL PHYSICS 87, 7348 (1987)

- *"Molecular Dynamics Simulation of the liquid mixture CCl₄/CS₂.
I. Thermodynamics and Structural properties"*

U. Mittag, J. Samios, Th. Dorf Müller

Molecular Physics 66, 51 (1989)

- "A Comparative MOLECULAR DYNAMICS and NEUTRON SCATTERING study of the structuralof the binary mixture CCl_4/CS_2 ".

U. Mittag, J. Samios, Th. Dorf Müller, St. Gunster, U. Zeidler Chieux

Molecular Physics

67, 1141 (1989)

- "Concentration effects on collision induced Depolarized Rayleigh line shapes in CCl_4/CS_2 liquid mixture".

F. Strehle, Th. Dorf Müller, J. Samios

Molecular Physics

72, 933, (1990)

- "Molecular Dynamics Simulation of Depolarized Rayleigh and Far - infrared spectra in binary liquid mixtures".

H. Stassen, U. Mittag, J. Samios

NATO Advanced Study Inst., Series C: Mathem. and Phys. Sciences – Luso Portugal, Sep.1991. Thema: "Molecular Liquids, New Perspectives in Physics and Chemistry". NATO ASI Series C Vol. 379, Kluwer, Academic Publishers, Dordrecht. Edited by **Jose J. C. Teixeira-Dias**: Vol. 379, p. 549-568 (Publ. 1992)

- "Concentration dependent FAR-infrared absorption spectra of the mixtures FURAN/CS_2 , $\text{FURAN}/\text{CCl}_4$, $\text{FURAN}/\text{C}_6\text{H}_6$ ".

M. Haritopoulou, J. Samios, E. Zoidis, Th. Dorf Müller

Ber. Bunsenges. PHYSICAL CHEMISTRY (Germany) 95, 1637(1991)

- "Molecular dynamics simulation of liquids with T_d , O_h molecular symmetry. A two model potentials approach".

H. Stassen, J. Samios, Th. Dorf Müller

Molecular Simulation

8, 215 (1992)

- "Test of effective pair potential models by Molecular Dynamics Simulation on liquid OCS".

J. Samios, H. Stassen, Th. Dorf Müller

Chemical Physics

160, 33 (1992)

- "Molecular Dynamics Investigation of the Electrostatic interactions in liquid OCS"

H. Stassen, Th. Dorf Müller, **J. Samios**

Molecular Physics

77, 339 (1992)

- "Far - infrared interaction induced absorption spectra of C₆H₆/CS₂ liquid mixtures".

E. Zoidis, **J. Samios**, Th. Dorf Müller

Chemical Physics

168, 349 (1992)

- "Far - infrared absorption spectra of Thiophene in liquid solutions with CS₂".

M. Haritopoulou, **J. Samios**, D. Dellis, E. Zoidis

Chemical Physics

169, 103 (1993)

- "Time correlation functions of liquid OCS. A Molecular dynamics study".

J. Samios, H. Stassen

Chemical Physics

170, 193 (1993)

- "Density dependent structural properties of diluted mixtures OCS/Ar".

J. Samios, D. Dellis, H. Stassen

Chemical Physics

178, 83 (1993)

- "Molecular Dynamic Simulation of the liquid mixture CCl₄/CS₂ :

II. Concentration dependence of the translational and rotational motion".

U. Mittag, J. Samios, Th. Dorfmueller

Molecular Physics

81, 1143 (1994)

- *"Estimation of the cancellation effects in interaction induced FIR spectra of liquid mixtures via MD simulation. Application....."*

J. Samios, U. Mittag

Journal of PHYSICAL CHEMISTRY

98, 2033 (1994)

- *"Dynamical properties of Carbonyl Sulphide diluted in Argon at different densities. A Molecular Dynamics Investigation"*

J. Samios, D. Dellis

Chemical Physics

192, 281 (1995)

- *"Density dependence of the structural properties and translational diffusion of Carbonyl Sulphide diluted in mono atomic solvents. A Molecular Dynamics investigation"*

D. Dellis, J. Samios

Journal of Molecular liquids

185, 70 (1996)

- *"Structural and Dynamical Properties of HCl Dissolved in CCl₄. A Molecular Dynamics Study"*

G. Chatzis, J. Samios, M. Chalaris

Chemical Physics

228,241 (1998)

- *"A Molecular Dynamics Simulation Study of LiCl diluted in DMF(-d7)"*

M. Chalaris, J. Samios

Journal of Molecular Liquids

78, 201 (1998)

- "Solvation and catalyst-substrate of a Tungsten tris (dithiolene) complex dissolved in water-acetone. A Molecular Dynamics Model Calculation"

J. Samios, D. Katakis, D. Dellis, E. Lyris, C. Mitsopoulou

Journal Chem. Soc., Faraday Trans.,

94, 3169 (1998)

- "*Hydrogen Bonding in Supercritical Methanol. A Molecular Dynamics Investigation*"

M. Chalaris, J. Samios

Journal of PHYSICAL CHEMISTRY B

103, 1161 (1999)

- "*Systematic molecular dynamics studies of liquid N,N Dimethyl Formamide using optimized rigid force fields. Investigation of the thermodynamic, structural, transport and dynamic properties*"

M. Chalaris, J. Samios

Journal of CHEMICAL PHYSICS

112, 8581 (2000)

- "*The Isotopic and Temperature Dependent Properties of Hydrogen Chloride Diluted in Carbon Tetrachloride. A molecular Dynamics Approach.*"

G. Chatzis, J. Samios

Chemical Physics

(Elsevier)

257, 51 (2000)

- "*Computer simulation studies of the liquid mixtures water-dimethylsulfoxide using different effective potential models: Thermodynamic and transport properties*"

M. Chalaris, J. Samios

Journal of Molecular Liquids

98, 399 (2001)

- “Estimation of the Interaction-Induced Effects on the Formation of the Far-infrared and Infrared Correlation Functions of HCl dissolved in CCl₄: A Molecular Dynamics Study”

G. Chatzis, J. Samios

Journal of PHYSICAL CHEMISTRY A 105, 9522 (2001)

- “Molecular Dynamics Simulations of the liquid mixtures N, N-dimethylformamide-water using available potential models”

M. Chalaris, A. Koufou, J. Samios

Journal of Molecular Liquids 101, 69 (2002)

- “Binary mixtures of supercritical carbon dioxide with methanol. A molecular dynamics simulation study”

G. Chatzis, J. Samios

Chemical Physics Letters 374, 187 (2003)

- “Translational and rotational dynamics in supercritical methanol from molecular dynamics simulation”

M. Chalaris, J. Samios

Pure and Applied Chemistry (Official Journal of IUPAC) 76, 203 (2004)

- “Molecular dynamics simulation of dilute aqueous DMSO solutions. A temperature-dependence study of the hydrophobic and hydrophilic behaviour around DMSO”

R. L Mancera, M. Chalaris, K. Refson, J. Samios

Phys.Chem.Chem.Physics (PCCP), 6, 94 (2004)

- “Transport properties of diatomic ions in moderately dense gases in an electrostatic field”

A. D. Koutselos, J. Samios

Pure and Applied Chemistry (Official Journal of IUPAC) 76, 223(2004)

- “The concentration effect on the 'hydrophobic' and 'hydrophilic' behaviour around DMSO in dilute aqueous DMSO solutions. A computer simulation study”

R. L. Mancera, M. Chalaris, **J. Samios**

Journal of Molecular Liquids

110, 147 (2004)

- “Molecular dynamics of cis/trans N-methylformamide liquid mixture using a new optimized all atom rigid force field”

I. Skarmoutsos, **J. Samios**

Chemical Physics Letters

384, 108 (2004)

- “Special issue - Novel Approaches to the Structure and Dynamics of Liquids: Experiments, Theories and Simulations” - Meeting of the European and Japanese Molecular Liquid Groups (EMLG/JMLG) September 7-15, 2002, Rhodes, Greece - **Preface**

P. A. Bopp, **J. Samios**, M. D. Zeidler

J. Molecular Liquids

110, 1 (2004)

- “European Molecular Liquids Group (EMLG) Annual Meeting on the Physical Chemistry of Liquids - Novel approaches to the structure, dynamics of liquids: Experiments, theories and simulation” - Held in Rhodes, Greece, 7-15 Sept. 2002 - **Preface**

J. Samios, P. A. Bopp

Pure Applied. Chem. **76**, V-VII (2004)

- “Recent Advances in the Understanding of Hydrophobic and Hydrophilic effects: A Theoretical and Computer Simulation Perspective”

R. L. Mancera, M. Chalaris, **J. Samios**

NATO Advanced Study Inst., Series II: Mathematics, Physics and Chemistry. Rhodes Greece, Sep. 2002. Thema: " Novel approaches to the Structure and Dynamics of Liquids: Experiments, Theories and Simulations ". Edited by **Jannis Samios & Vladimir A. Durov**. Kluwer, Academic Publishers, Dordrecht, Vol. 133, p. 387-397. (Publ. 2004)

- “Hydrogen Bonding In Aqueous Mixtures Containing Aprotic Solvents:

M. Chalaris, J. Samios

Lecture Series on Computer & Computational Sciences Vol.1, 110 (2004)
VSP International Science Publishers-Utrecht . Boston
 (Guest Editor. **G. Maroulis**) (Short Communication)

- “Monte Carlo simulation of Gas Adsorption in Single Walled Nanotubes”

G. P. Lithoxoos, J. Samios

Lecture Series on Computer & Computational Sciences Vol.1, 317 (2004)
VSP International Science Publishers-Utrecht . Boston
 (Guest Editor. **G. Maroulis**)

- “Molecular Dynamics Simulation of Cis-Trans N-Methylformamide (NMF) Liquid mixture. Structure and dynamics”

I. Skarmoutsos, J. Samios

Lecture Series on Computer & Computational Sciences Vol.1, 479 (2004)
VSP International Science Publishers-Utrecht . Boston
 (Guest Editor. **G. Maroulis**)

- “Investigation of the vapor-liquid equilibrium and supercritical phase of pure Methane via computer simulations”

I. Skarmoutsos, L. I. Kampanakis, J. Samios

Journal of Molecular Liquids 117, 33 (2005)

- “The temperature and density dependence of fluid xenon self-diffusion coefficients: a comparison between experimental, theoretical and molecular dynamics results”

S. Marinakis, J. Samios

The journal of Supercritical Fluids 34, 81 (2005)

- “Pressure and Temperature Dependence of the Hydrogen Bonding in Supercritical Ethanol. A Computer Simulation Study”

D. Dellis, M. Chalaris, J. Samios

Journal of PHYSICAL CHEMISTRY B 10, 18575 (2005)

- “Local intermolecular structure, density inhomogeneities and dynamics in binary supercritical solutions. A Molecular Dynamics Simulation study of methane in carbon dioxide.

I. Skarmoutsos, J. Samios
Journal of Molecular Liquids 125, 181, (2006)

- " SiC nanotubes: A novel material or hydrogen storage ",

Mpourmpakis G, Froudakis G, Lithoxoos G, Samios J.

Nano Letters 6, 1581, (2006)

- "Local density inhomogeneities and dynamics in....A molecular dynamics simulation approach",

Skarmoutsos I, Samios J.
J. Phys. Chemistry B.

11, 21931 (2005)

- "Local density augmentation and dynamics....supercritical fluids. A molecular...",

Skarmoutsos I, Samios J.

J. Chemical Physics.

126, 044503.(2007)

- "Effect of curvature and chirality for hydrogen storage in carbon nanotubes. A combined...",

Mpourmpakis G, Froudakis G, Lithoxoos G, Samios J

J. Chemical Physics.

126, 144704. (2007)

- "The investigation of the local composition enhancement ...in super critical CO₂-cosolvent mixtures...",

Skarmoutsos I, Dellis D, Samios J

J. Chemical Physics

126, 224503 (2007)

- "New effective method for quantitative analysis of diffusion....of small molecules....",

Raptis T. E, Raptis V, Samios J

J. Physical Chemistry B, 11, 13683 (2007)

- "Investigation of Silicon Model Nanotubes as potential Nanomaterials for Efficient.....H2 storage...”,

Lithoxoos G, Samios J, Carrisan Y

J. Physical Chemistry C, 11, 16725 (2008)

- “The effect of intermolecular interactions on local density inhomogeneitiesSimulation study”

Skarmoutsos I, Dellis. D, Samios J.

***J. Phys. Chemistry B* 113, 2783 (2009)**

- “Conformational and Solvation studies via Computer Simulation of the Novel Large Scale Diastereoselectively Synthesized phosphinic MMP Inhibitor RXP03 Diluted in Selected Solvents”,

M. Matziari, Dellis, V. Dive, A. Yiotakis and J. Samios,

***J. Physical Chemistry B* 14, 421 (2010)**

- “Hydrogen bond, electron donor-acceptor dimer, H-bond residence dynamics in supercritical CO₂-ethanol mixtures and the effect of hydrogen bonding on single reorientational and translational dynamics. A molecular dynamics simulation study.”

Skarmoutsos I., Guardia E., Samios J

***J. Chemical Physics* 133, 014504. (2010)**

- “Adsorption of N₂, CH₄, CO and CO₂ gas in Single Walled Carbon Nanotubes: A Combined Experimental and Monte Carlo Molecular Simulation Study”,

G. P. Lithoxoos, A. Labropoulos, L. Peristeras, N. Kanellopoulos, J. Samios and I. G. Economou

***J. Supercritical Fluids* 55, 510. (2010)**

- “Solvation Structure and Dynamics of cis- and trans-1,2 Dichloroethene Isomers in Supercritical Carbon Dioxide. A Molecular Dynamics Simulation Study”

D. Dellis, I. Skarmoutsos, J. Samios

***J. Physical Chemistry B* 115, 12098 (2011)**

- Quantitative study of diffusion jumps in atomistic simulations of model gas-polymer systems

Raptis, Th. E., Raptis, V. E., Samios, J.

***Molecular Physics* 110, 1171 (2012)**

- “Interaction between silicon-carbide nanotube and cholesterol domain. A Molecular dynamics simulation study”

Raczynski P, Gorny K, Samios J, Gbourski Z,

***J Physical Chemistry C*, 118, 30115 (2014)**

- “Molecular Dynamics study of the local structure and diffusivity of partially miscible water/n-alcohols binary mixtures”

Dimitroulis C, kainourgakis E, Raptis V, Samios J.

Journal of Molecular Liquids, 205, 46 (2015)

- “Dynamics and drift motion of O₂⁻ in supercritical argon”

Koutselos A. D, Samios J

Journal of Molecular Liquids, 205, 115 (2015)

- “Local Structure and Translational Dynamics of NMF (*N*-Methylformamide)–DMF (*N, N*-Dimethylformamide) Mixtures, via Molecular Dynamics Simulation”

Elpidoforou N, Dimitroulis C, Skarmoutsos I, Samios J.

Fluid Phase Equilibria, Subm. Sept. (2015)
