

Alessandro Triolo, Dr.

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ResearcherID: [A-4431-2012](https://orcid.org/0000-0001-9000-1000)

Date and Place of Birth

Citizenship

Career

- | | |
|-------------|---|
| 2010- today | Senior Researcher (Primo Ricercatore) at the Istituto Struttura della Materia of the National Research Council (CNR), Roma, Italy (since 01.01.2010) |
| 2002-2009 | Researcher at the Istituto Processi Chimico-Fisici of the National Research Council (CNR), Messina, Italy (dal 21.12.2001 al 31.12.2009) |
| 2000-2002 | Instrument Scientist at the Neutron Spin Echo spectrometer at the Berliner Reactor BENSC, Hahn-Meitner Institut (today Helmholtz Zentrum Berlin) (Berlin, Germany) (14.02.2000 - 20.12.2001). |
| 1998-2000 | EU-TMR Research Assistant , at the Material Section of the Chemistry Department, Heriot-Watt University (Edinburgh, UK) (01.10.1998 - 13.02.2000). Supervisor: Prof. V. Arrighi |

Education

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|-----------|---|
| 1995-1997 | Dottorato di Ricerca (PhD) in Chemistry at University of Palermo on: “Structural characterization in phase separating systems” (1998). |
| 1988-1994 | Laurea in Chemistry at University of Palermo with final mark: 110/110 <i>cum laude</i> (july 1994). |
| 1984-1988 | Secondary School Diploma at Liceo “G. Galilei” in Palermo with mark 60/60 (june 1988). |

Languages

Italian (mother)
English (fluent)

Memberships

2010- today Member of the Italian Chemical Society.

2013-2015 Member of the Steering Committee of the Physical Chemistry Division of the Italian Chemical Society

Bibliometric parameters (Source: ISI-WoS – 21.07.2020; **ResearcherID**: [A-4431-2012](#))

- Author of **129** ISI-WoS publication.
- H-index: **35**
- Total Citations > **5,300**
- Average citations per publication: **41.3**
- # ISI-WoS publications with >**100 citations**: **11**
- # Highly Cited Papers: **1**

- *Invited Corresponding Author* for the Chapter “*Ionic Liquids and Neutron Scattering*” in Experimental Methods in the Physical Sciences (Neutron Scattering - Applications in Biology, Chemistry, and Materials Science) (2017)

- *Invited Corresponding Author* for a *Perspective* Article in Journal of Physical Chemistry Letters (ACS) (2017)

- *Invited Corresponding Author* for a *Perspective* Article in Journal of Physical Chemistry Letters (ACS) (2012)

- *Guest Editor* for the Journal of Molecular Liquids (Elsevier) Special Issue on “Mesoscopic Organization in Ionic Liquids” (2015).

Activity in the field of Large Scale Facilities.

2020- to date **Member of the Scientific Advisory Board** of the European Spallation Source (ESS) (Providing scientific advice to the ESS Council and Management, in the development of the neutron source being built in Lund (SVE)).

2015- 2019 **CNR nominated representative** at the Instrument Collaboration Board of the European Spallation Source (ESS) (in charge for the selection of Italian in-kind contribution to the development of the neutron source being built in Lund (SVE)).

2013- 2017	Member of the C08 Evaluation Panel for the selection of proposals at the European Synchrotron Radiation Facility (ESRF, Grenoble (FR))
2010-2012	Neutron Spin Echo technologies <i>Working Group Coordinator</i> in the framework of the Italian Initiative for the development of the European Spallation Source (ESS).
2000-2002	<i>Instrument scientist</i> at the Neutron Spin Echo spectrometer V5 at the Berlin reactor of the Helmholtz Zentrum Berlin, Germany).
1994-to date	Continuous use of European and North-American LSF to get access to neutron and x-ray beamtimes, aiming to explore structural and dynamic properties in soft-condensed matter, as Principal Investigator.

Funding

- Participant to the following Ateneo Research Projects funded by the University of Rome Sapienza:

- “Effect of water on the local structure and phase behavior of hydrophilic ionic liquids” (PI: F. Trequattrini, 2018, 12,000 €);
- “Microscopic and mesoscopic organization in ionic liquid-based systems.” (PI: O. Russina, 2017, 30,000 €)

- Awarded with an Italo-French University mobility scholarship with Prof. P. Husson (French National Centre for Scientific Research) on “*Exploration of Deep Eutectic Solvents, a new class of green media.*” (2015-2016)

- Scientific National Coordinator and Administrative Responsible for the **FIRB “Futuro in Ricerca”** Research Project “*Structure and Dynamics in Room temperature ionic liquids and their binary mixtures*” (2011-2014). (Budget: 350,000 €)

- Scientific and Administrative Responsible for a Research Unit in the framework of a **PRIN** Project “*Structural and Dynamic properties of ionic liquids and their mixture, by means of diffraction and spectroscopic techniques*” (2011-2013). (Budget: 65,000 €)

- Awarded with an Italo-Portuguese mobility scholarship with Prof. L.P.N. Rebelo (Universidade Nova Lisboa) on “*Room temperature ionic liquids under negative pressure conditions: experimental and simulation studies.*” (2011-2012)

- Awarded with an Italo-French University mobility scholarship with Prof. A. Padua (Clermont-Ferrand) on “*Study of structural and dynamic properties of room temperature ionic liquids*” (2009)

- Since 1994 Principal Proposer for ~70 successful applications for beam times at Large Scale Facilities (neutron sources and synchrotrons), equivalent to >~3 M€.

Other

- **Scientific Leader** of the Ionic Liquid Laboratory (LiqIon Lab) of the Istituto Struttura della Materia (2012 – to date).

- Qualified (Abilitazione Scientifica Nazionale, ASN) for Full Professorship (I Fascia) in Sector 03/A2 (until 10/04/2023);
- Qualified (Abilitazione Scientifica Nazionale, ASN) for Associate Professorship (II Fascia) in Sector 03/A2 (until 29/01/2023);
- Coordinator of the CNR Research Modulus “*Mesoscopic Structure and Dynamics in Ionic Liquids*” (2013-2018).
- Member of International PhD Evaluation Commissions (Barcellona (2015), Orleans (2012), Milan (2011)).
- Evaluation Expert for proposals submitted in the framework of the 7th FP, in Brussels (2008).
- Teaching assignment at the Vilnius University (Lithuania) in the framework of the EU-sponsored Erasmus Mobility Programme (September 2010).
- >50 Invited Oral presentations at International Congresses.
- Reviewer for scientific journals: Nature, Chemical Reviews, Journal of the American Chemical Society, Angewandte Chemie, Int. Ed., Chemistry of Materials, Journal of Chemical Physics, Journal of Physical Chemistry Letters, Macromolecules, Langmuir, PCCP, ChemPhysChem etc.
- Tutoring Activity:
 - 2 Master Thesis (Univ. Rome Sapienza (2020-21)); 1 PhD (Rome Sapienza (2014)); 2 Master Thesis (Univ. Messina (2008), Univ. Rome Sapienza (2013)).

*List of Alessandro Triolo's scientific publications (updated 15.06.2020)*¹.

(H-index (ISI-WoS): 34; (SCOPUS): 34; (G-Scholar): 36)

2020

126. *Liquid Structure of a Choline Chloride-Water Natural Deep Eutectic Solvent.*
(A. Triolo, F. Lo Celso, M. Brehm and O. Russina)
PCCP (2020) submitted (CP-ART-06-2020-003077)
125. *Structure of Anisole Derivatives by Total Neutron and X-ray Scattering: Evidences of Weak C-H...O and C-H... π Interactions in the Liquid State.*
(A. Triolo, F. Lo Celso and O. Russina)
J. Molecular Liquids (2020) submitted (MOLLIQ_2020_2814)
124. *Structural Features of beta-Cyclodextrin Solvation in the Deep Eutectic Solvent, Reline*
(A. Triolo, F. Lo Celso and O. Russina)
J. Phys. Chem. B **124**, 2652 (2020)

2019

123. *Structural features of selected protic ionic liquids based on a super-strong base.*
(A. Triolo, F. Lo Celso, C. Ottaviani, P. Ji, G. B. Appetecchi, F. Leonelli, D. S. Keeble and O. Russina)
PCCP **21**, 25369 (2019)
122. *A fast and remote screening method for sub-micro-structuration in pressurized mixtures containing water and carbon dioxide*
(S. Stehle, E. Menati Lay, A. Triolo, N. Ventosa, A. s. Braeuer)
The Journal of Supercritical Fluids **152**, 104555 (2019)
121. *Mesoscopic structural organization in fluorinated pyrrolidinium-based room temperature ionic liquids*
(F. Lo Celso, G. B. Appetecchi, E. Simonetti, U. Keiderling, L. Gontrani, A. Triolo and O. Russina)
Journal of Molecular Liquids **289**, 111110 (2019)
120. *Microscopic structural and dynamic features in triphilic room temperature ionic liquids.*
(F. Lo Celso, G. B. Appetecchi, E. Simonetti, M. Zhao, E. W. Castner, U. Keiderling, L. Gontrani, A. Triolo and O. Russina)
Frontiers in Chemistry **7**, 285 (2019)

2018

119. *Anion-specific response of mesoscopic organization in ionic liquids upon pressurization*
(F. Lo Celso, A. Triolo, L. Gontrani, and O. Russina)
Journal of Chemical Physics **148**, 211102 (2018)
118. *Mesostructure and physical properties of aqueous mixtures of the ionic liquid 1-ethyl-3-methyl imidazolium octyl sulfate doped with divalent sulfate salts in the liquid and the mesomorphic states*
(O. Cabeza, L. Segade, M. Dominiguez-Perez, E. Rilo, D. Ausin, A. Martinelli, N. Yaghini, B. Gollas, M. Kreichbaum, O. Russina, A. Triolo, E. Lopez-Lago and L. M. Varela)
PCCP **20**, 8724 (2018)

¹ ISI publications in black, Chapters of books in red, NON-ISI publications in blue.

117. *Mesoscopic Structural Organization in Fluorinated Room Temperature Ionic Liquids*
(F. Lo Celso, Y. Yoshida, R. Lombardo, C. J. Jafta, L. Gontrani, A. Triolo and O. Russina)
Comptes Rendus Chimie **21**, 757 (2018)
116. *Nanoscale organization in the fluorinated room temperature ionic liquid: Tetraethyl ammonium (trifluoromethanesulfonyl)(nonafluorobutylsulfonyl)imide*
(F. Lo Celso, G.B. Appetecchi, C. J. Jafta, L. Gontrani, J.N. Canongia Lopes, A. Triolo and O. Russina)
Journal of Chemical Physics **148**, 193816 (2018) Special Issue: Chemical Physics of Ionic Liquids.

2017

115. *Pressure-Responsive, Surfactant-Free CO₂-Based Nanostructured Fluids*
(Nataschia Grimaldi, Paula Elena Rojas, Simon Stehle, Alba Cordoba, Ralf Schweins, Santi Sala, stefan luelsdorf, David Piña, Jaume Veciana, Jordi Faraudo, Alessandro Triolo, Andreas Siegfried Braeuer, and Nora Ventosa)
ACS Nano **11**, 10774 (2017)
114. *Mesoscopic organization in ionic liquids*
(O. Russina, F. Lo Celso, N. V. Plechkova, C. J. Jafta, G. B. Appetecchi and A. Triolo)
Topics of Current Chemistry **375**, 58 (2017)
113. *Direct Experimental Observation of Mesoscopic Fluorous Domains in Fluorinated Room Temperature Ionic Liquids*
(F. Lo Celso, Y. Yoshida, F. Castiglione, M. Ferro, A. Mele, C. J. Jafta, A. Triolo and O. Russina)
Phys. Chem. Chem. Phys. **19**, 13101-13110 (2017)
112. *Emerging Evidences of Mesoscopic-Scale Complexity in Neat Ionic Liquids and Their Mixtures.*
(O. Russina, F. Lo Celso, N. V. Plechkova and A. Triolo)
Journal of Physical Chemistry Letters; **8**, 1197-1204 (2017)

2016

111. *Liquid structure of dibutyl-sulfoxide.*
(F. Lo Celso, B. Aoun, A. Triolo and O. Russina)
Phys. Chem. Chem. Phys. **18**, 15980 (2016)
110. *Nature of mesoscopic organization in protic ionic liquid-alcohol mixtures.*
(W. Schroer, A. Triolo and O. Russina)
Journal of Physical Chemistry B **120**, 2638-2643 (2016)

2015

109. *Structural organization in a methanol:ethylammonium nitrate (1:4) mixture: A joint X-ray/Neutron diffraction and computational study*
(A. Mariani, O. Russina, R. Caminiti and A. Triolo)
Journal of Molecular Liquids **212**, 947 (2015)
108. *Pressure-responsive mesoscopic structure in room temperature ionic liquids.*
(O. Russina, F. Lo Celso and A. Triolo)
Physical Chemistry Chemical Physics **17**, 29496 (2015)
107. *Mesoscopic structural and dynamic organization in ionic liquids*
(O. Russina, W. Schroer, and A. Triolo)
Journal of Molecular Liquids **210**, 161 (2015)

106. *Triphilic Ionic-Liquid Mixtures: Fluorinated and Nonfluorinated Aprotic Ionic-Liquid Mixtures*
(O. Holloczki, M. Macchiagodena, H. Weber, M. Thomas, M. Brehm, A. Stark, O. Russina, A. Triolo, B. Kirchner)
ChemPhysChem **16**, 3325 (2015)
105. *Structure of a binary mixture of ethylammonium nitrate and methanol.*
(O. Russina, A. Mariani, R. Caminiti, and A. Triolo)
J. Solution Chemistry **44**, 669-685 (2015)
104. *Synthesis and Small and Wide Angle X-Ray Scattering Characterization of L-Proline Based Chiral Ionic Liquids*
(A. Sferrazza, A. Triolo, L. M. Migneco, and R. Caminiti)
Current Organic Chemistry **19**, 99-104 (2015)
103. *Association in ethylammonium nitrate-dimethyl sulfoxide mixtures: first structural and dynamical evidences.*
(O. Russina, M. Macchiagodena, B. Kirchner, A. Mariani, B. Aoun, M. Russina, R. Caminiti and A. Triolo)
Journal of Non-Crystalline Solids **407**, 333-338 (2015).
102. *How does lithium nitrate dissolve in a protic ionic liquid?*
(O. Russina, R. Caminiti, T. Méndez-Morales, J. Carrete, O. Cabeza, L.J. Gallego, L.M. Varela, A. Triolo)
Journal of Molecular Liquids **205**, 16-21 (2015)

2014

101. *Amphiphile Meets Amphiphile: Beyond the Polar-Apolar Dualism in Ionic Liquid/Alcohol Mixtures*
(O. Russina, A. Sferrazza, R. Caminiti, and A. Triolo)
J. Physical Chemistry Letters **5**, 1738 (2014).
100. *Solvation of Lithium Salts in Protic Ionic Liquids: A Molecular Dynamics Study*
(T. Méndez-Morales, J. Carrete, Ó. Cabeza, O. Russina, A. Triolo, L. J. Gallego, and L. M. Varela)
J. Physical Chemistry B **118**, 761 (2014)
99. *Structural Organization in Neat Ionic Liquids and in Their Mixtures.*
(O. Russina, B. Fazio, G. Di Marco, R. Caminiti, and A. Triolo)
In "The Structure of Ionic Liquids"; pgg. 39-62; Ed. Springer, Berlin; Springer International Publishing (2014) ISBN: 3319016970

2013

98. *Mesoscopic structural organization in triphilic room temperature ionic liquids.*
(O. Russina, F. Lo Celso, M. Di Michiel, S. Passerini, G. B. Appetecchi, F. Castiglione, A. Mele, R. Caminiti, and A. Triolo)
Faraday Discussions **167**, 499 (2013) *Invited Contribution*
97. *Nano-segregation in Ionic Liquids: Scorpions and Vanishing Chains*
(K. Shimizu, C. E. S. Bernardes, A. Triolo and J. N. Canongia Lopes)
Physical Chemistry Chemical Physics **15**, 16256 (2013)
96. *Alkylimidazolium Based Ionic Liquids: Impact of Cation Symmetry on their Nanoscale Structural Organization*

(M. A. A. Rocha, C. Neves, M. Freire, O. Russina, A. Triolo, J. A. P. Coutinho, and L. Santos)
J. Physical Chemistry B **117**, 10889 (2013)

95. *Physico-chemical properties and nanoscale morphology in N-alkyl-N-methylmorpholinium dicyanamide room temperature ionic liquids*
(O. Russina, R. Caminiti, A. Triolo, S. Rajamani, B. Melai, A. Bertoli and C. Chiappe)
J. Molecular Liquids **187**, 252 (2013)

2012

94. *The Interpretation of Diffraction Patterns of Two Prototypical Protic Ionic Liquids: a Challenging Task for Classical Molecular Dynamics Simulations*
(L. Gontrani, E. Bodo, A. Triolo, F. Leonelli, P. D'Angelo, V. Migliorati, R. Caminiti)
Journal of Physical Chemistry B **116**, 13024 (2012)
93. *Structure of 1-Ethyl-3-Methylimidazolium Alkylsulfates by X-Ray Scattering and Molecular Dynamics.*
(M. Macchiagodena, F. Ramondo, A. Triolo, L. Gontrani, and R. Caminiti)
Journal of Physical Chemistry B **116**, 13448 (2012)
92. *Comparing intermediate range order for alkyl- vs. ether-substituted cations in ionic liquids.*
(A. Triolo, O. Russina, R. Caminiti, H. Shirota, H. Y. Lee, C. S. Santos, N. S. Murthy and E. W. Castner)
Chemical Communications **48**, 4959 (2012) *Invited contribution.*
91. *Mesoscopic Structural Heterogeneities in Room temperature Ionic Liquids*
(O. Russina, A. Triolo L. Gontrani, R. Caminiti)
J. Phys. Chem. Lett. **3**, 27 (2012) *Invited Perspective Contribution*
90. *New experimental evidences supporting the mesoscopic segregation model in room temperature ionic liquids.*
(O. Russina, A. Triolo)
Faraday Discussions **154**, 97 (2012) *Invited Contribution*

2011

89. *Structural organization and phase behavior of 1-butyl-3-methylimidazolium hexafluorophosphate: an high pressure Raman spectroscopy study.*
(O. Russina, B. Fazio, C. Schmidt, A. Triolo)
Physical Chemistry Chemical Physics **13**, 12067 (2011)
88. *Effect of Cation Symmetry on the Morphology and Physicochemical Properties of Imidazolium Ionic Liquids*
(W. Zheng, A. Mohammed, L. G. Hines, D. Xiao, O. J. Martinez, R. A. Bartsch, S. L. Simon, O. Russina, A. Triolo, E. L. Quitevis)
Journal of Physical Chemistry B **115**, 6572 (2011)
87. *Thermal and Structural Properties of Ethylammonium Chloride and Its Mixture with Water*
(V. Migliorati, P. Ballirano, L. Gontrani, A. Triolo, R. Caminiti)
Journal of Physical Chemistry B **115**, 4887 (2011)
86. *Liquid structure of 1-alkyl-3-methylimidazolium-hexafluorophosphates by wide angle x-ray and neutron scattering and molecular dynamics*
(M. Macchiagodena, L. Gontrani, F. Ramondo, A. Triolo, R. Caminiti)
Journal of Chemical Physics **134**, 114521 (2011)

2010

85. *Structural Properties of 1-Alkyl-3-Methylimidazolium Bis{(trifluoromethyl)Sulfonyl}Amide Ionic Liquids: X-ray Diffraction Data and Molecular Dynamics Simulations*
(E. Bodo, L. Gontrani, R. Caminiti, N. Pletchkova, K. R. Seddon, **A. Triolo**)
Journal of Physical Chemistry B **114**, 16398 (2010)
84. *Selected chemical-physical properties and structural heterogeneities in 1-ethyl-3-methylimidazolium alkyl-sulfate room temperature ionic liquids.*
(O. Russina, L. Gontrani, B. Fazio, D. Lombardo, **A. Triolo**, R. Caminiti)
Chemical Physics Letters **493**, 259 (2010)
83. *Evidence of repulsive Yukawa tail for copolymer micelles in room temperature ionic liquid*
(V. Venuti, **A. Triolo**, N. Micali)
Soft Matter **6**, 1793 (2010)
82. *Structural Determination of Ionic Liquids with theoretical Methods: C8mimBr and C8mimCl. Strength and Weakness of Current Force Fields*
(E. Bodo, L. Gontrani, **A. Triolo**, R. Caminiti)
J. Phys. Chem. Lett. **1**, 1095 (2010)

2009

81. *Morphology and Intermolecular Dynamics of 1-alkyl-3-methylimidazolium bis{(trifluoromethane)sulfonyl}amide ionic liquids: Structural and Dynamic Evidence of Nanoscale Segregation.*
(O. Russina, **A. Triolo**, L. Gontrani, R. Caminiti, D. Xiao, L. G. Hines, R. A. Bartsch, E. L. Quitevis, N. Pleckhova, K. R. Seddon)
Journal of Physics: Condensed Matter **21**, 424121 (2009)^{2, 3}
80. *Temperature dependence of the primary relaxation in 1-hexyl,3-methylimidazolium bis(trifluoromethanesulfonyl)imide.*
(O. Russina, **A. Triolo**, M. Beiner, C. Pappas, V. Arrighi, M. Russina, T. Unruh, C. L. Mullan, C. Hardacre)
J. Phys. Chem. B **113**, 8469 (2009)
79. *Effect of cation symmetry and alkyl chain length on the structure and intermolecular dynamics of 1,3-dialkylimidazolium bis(trifluoromethanesulfonyl)imide ionic liquids.*
(D. Xiao, L. G. Hines, S. Li, R. A. Bartsch, E. L. Quitevis, O. Russina, **A. Triolo**)
J. Phys. Chem. B **113**, 6426 (2009)⁴
78. *Nanoscale organization in piperidinium based room temperature ionic liquids.*
(**A. Triolo**, O. Russina, B. Fazio, G. B. Appetecchi, M. Carewska, S. Passerini)
J. Chem. Phys. **130**, 164521 (2009)⁵ [2nd **Most Downloaded Article** in May 2009]⁶
77. *Liquid structure of trihexyltetradecylphosphonium chloride at ambient temperature: an X-ray scattering and simulation study.*
(L. Gontrani, O. Russina, F. Lo Celso, R. Caminiti, G. Annat, **A. Triolo**)

² Invited paper for the special issue on "Strong coulomb correlations in condensed matter: ionic liquids, electrolytes, and polyelectrolytes."

³ Selected for inclusion in *IOP- (Institute of Physics) Select*

⁴ Listed among the 'Most Cited JPCB papers'

<http://pubs.acs.org/action/showMostCitedArticles?topArticlesType=recent&journalCode=jpcbfbk>

⁵ Presented as Research Highlight on the jcp.aip.org web-site (05.05.2009)

⁶ http://jcp.aip.org/dbt/most_downloaded.jsp?KEY=JCPSA6&Year=2009&Month=5&agg=md

J. Phys. Chem. B **113**, 9235 (2009)

76. *Dendrimer template directed self-assembly during zeolite formation.*
(L. Bonaccorsi, D. Lombardo, A. Longo, E. Proverbio, **A. Triolo**)
Macromolecules **42**, 1239 (2009)

2008

75. *Morphology of 1-alkyl-3-methylimidazolium hexafluorophosphate room temperature ionic liquids.*
(**A. Triolo**, O. Russina, B. Fazio, R. Triolo, E. Di Cola)
Chemical Physics Letters **457**, 362 (2008)⁷
74. *Fast and Slow Dynamics of Isotactic Polypropylene Melts*
(J. Tanchawanich, V. Arrighi, M. C. Sacchi, M. T. F. Telling, **A. Triolo**)
Macromolecules **41**, 1560 (2008)
73. *Local organization of water and its effect on the structural heterogeneities in room temperature ionic liquids/H₂O mixtures*
(B. Fazio, **A. Triolo**, G. Di Marco)
Journal of Raman Spectroscopy **39**, 233 (2008)

2007

72. *Excess Thermodynamic Properties in Mixtures of a Representative Room-Temperature Ionic Liquid and Acetonitrile*
(F. Aliotta, R. C. Ponterio, F. Saija, G. Salvato, **A. Triolo**)
Journal of Physical Chemistry B **111**, 10202 (2007)
71. *Nanoscale segregation in room temperature ionic liquids*
(**A. Triolo**, O. Russina, H.-J. Bleif and E. Di Cola)
Journal of Physical Chemistry B **111**, 4641 (2007) [Journal cover page⁸; 1st ranked in the Most Cited JPCB Papers⁹ published in 2007; HOT PAPER¹⁰ in March 2008]
70. *Study on the thermotropic properties of highly fluorinated 1,2,4-oxadiazolpyridinium salts and their perspective applications as ionic liquid crystals*
(F. Lo Celso, I. Pibiri, **A. Triolo**, R. Triolo, A. Pace, S. Buscemi and N. Vivona)
Journal of Materials Chemistry **17**, 1201 (2007)

2006

69. *Thermodynamics, structure and dynamics in room temperature ionic liquids: the case of 1-butyl-3-methylimidazolium hexafluorophosphate ([bmim][PF₆])*
(**A. Triolo**, A. Mandanici, O. Russina, V. Rodriguez-Mora, M. Cutroni, C. Hardacre, M. Nieuwenhuyzen, H.-J. Bleif, L. Keller and M. A. Ramos)
Journal of Physical Chemistry B **110**, 21357-21364 (2006)
68. *An improved algorithm for the Fourier integral of the KWW function and its application to neutron scattering and dielectric data.*
(R. Ferguson, V. Arrighi, I. J. McEwen, S. Gagliardi and **A. Triolo**)
Journal of Macromolecular Science B: Physics **45**, 1065-1081 (2006)

⁷ Selected for the 2008-2009 edition of the Consiglio Nazionale delle Ricerche (CNR) Highlights Report.

⁸ <http://pubs3.acs.org/acs/journals/toc.page?incoden=jpcbfc&indecade=0&involume=111&inissue=18>

⁹ http://pubs.acs.org/journals/jpcbfc/promo/most/most_cited/2007.html

¹⁰ http://pubs.acs.org/journals/jpcbfc/promo/most/hot_papers/2008/mar.html

67. *Thermodynamic study of alkyl-cyclohexanes in liquid, glassy and crystalline states.*
(A. Mandanici, M. Cutroni, **A. Triolo**, V. Rodriguez-Mora and M. A. Ramos)
Journal of Chemical Physics **125**, 054514 (2006)
66. *Morphology of hybrid polystyrene-block-poly(ethylene oxide) micelles: Analytical ultracentrifugation and SANS studies*
(L. M. Bronstein, I. A. Khotina, D. M. Chernyshov, P. M. Valetsky, G. I. Timofeeva, L. V. Dubrovina, B. Stein, R. Karlinsey, **A. Triolo**, A. Weidenmann, F. Lo Celso, R. Triolo, A. R. Khokhlov)
Journal of Colloid and Interface Science **299**, 944-952 (2006)
65. *Morphology of poly(ethylene oxide) dissolved in a room temperature ionic liquid: a small angle neutron scattering study*
(**A. Triolo**, O. Russina, U. Keiderling and J. Kohlbrecher)
Journal of Physical Chemistry B **110**, 1513 (2006)

2005

64. *Relaxation processes in room temperature ionic liquids: the case of 1-methyl-3-butyl imidazolium hexafluorophosphate*
(**A. Triolo**, O. Russina, C. Hardacre, M. Nieuwenhuyzen, M. A. Gonzalez and H. Grimm)
Journal of Physical Chemistry B **109**, 22061 (2005)
63. *Small angle scattering study of poly(methylmethacrylate)-block-poly(ethylene oxide) block co-polymer in aqueous solution*
(R. Triolo, F. Lo Celso, V. Benfante, **A. Triolo**, A. Wiedenmann and S. Bernstorff)
Progress in Colloid and Polymer Science **130**, 79 (2005)
62. *Going to the limit of NSE*
(C. Pappas, F. Mezei, **A. Triolo** and R. Zorn)
Physica B **356**, 206 (2005)
61. *Quasi elastic neutron scattering investigation of dynamics in polymer electrolytes*
(O. Russina, **A. Triolo**, Y. Aihara, M. T. F. Telling and H. Grimm)
Macromolecules **37**, 8653 (2004)
60. *Complex dynamics in Polymer Electrolytes*
(**A. Triolo**, O. Russina, M. Lanza and H. Grimm)
Notiziario Neutroni e Luce di Sincrotrone **9**, 32 (2004)
59. *Pressure-induced formation of diblock copolymer "micelles" in supercritical fluids. A combined study by small angle scattering experiments and mean-field theory. I. The critical micellization density concept*
(F. Raudino, F. Lo Celso, **A. Triolo**, and R. Triolo)
J. Chem. Phys. **120**, 3489 (2004)
58. *Pressure-induced formation of diblock copolymer "micelles" in supercritical fluids. A combined study by small angle scattering experiments and mean-field theory. II. Kinetics of the unimer-aggregate transition*
(F. Raudino, F. Lo Celso, **A. Triolo**, and R. Triolo)
J. Chem. Phys. **120**, 3499 (2004)
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