

OLGA RUSSINA

Curriculum Vitae

Informazioni generali

Nome & Cognome	Olga Russina
Data di nascita	02/07/1973
Luogo di Nascita	Malinovka/Zelinograd (Kazakhstan)
E-mail	olga.russina@uniroma1.it

Parametri Bibliometrici

Numero Articoli Scientifici (ISI-WoS): 56

Numero Capitoli di Libro: 2

Totale Citazioni: 3540 (ISI-WoS); 4140 (GS)

Indice di Hirsch: 27 (ISI-WoS); 28 (GS)

Formazione

Laurea Magistrale	1995	Università "S. Seifullin" (Akmola, Kazakhstan)	Diploma Laurea in Fisica e Informatica (dichiarato equipollente alla Laurea Magistrale in Fisica con votazione 110/110 con lode presso l'Università di Messina)
PhD	2004	Università Tecnica di Berlino (Germania)	PhD in Scienze Naturali (Dr. Rer. Nat.) su: "Indagine della dinamica microscopica nei pressi della transizione vetrosa" (dichiarato equipollente al titolo di Dottorato di Ricerca in Scienze Naturali)
Abilitazione Scientifica Nazionale (ASN)	2013	MIUR	Abilitata alla 2° fascia dei Professori Universitari nel S.C. 03/A2

Carriera Professionale

Incarichi Accademici

01.02.17	31.01.20	Dip. Chimica – Univ. Roma “Sapienza”	RTdB CHIM/02
01.09.15	31.08.16	Dip. Chimica – Univ. Roma “Sapienza”	Assegnista di Ricerca
01.09.14	31.08.15	Dip. Chimica – Univ. Roma “Sapienza”	Assegnista di Ricerca
01.06.13	31.05.14	Dip. Chimica – Univ. Roma “Sapienza”	Assegnista di Ricerca
01.06.12	31.05.13	Dip. Chimica – Univ. Roma “Sapienza”	Assegnista di Ricerca
01.06.11	31.05.12	Dip. Chimica – Univ. Roma “Sapienza”	Assegnista di Ricerca
01.02.10	31.01.11	Dip. Chimica – Univ. Roma “Sapienza”	Assegnista di Ricerca
01.01.04	30.11.05	Dip. “Materiali e Strumentazione” – Helmholtz Zentrum Berlin (D)	Post-Doc Research Associate
06.11.95	15.01.98	Istituto di Sicurezza Radiologica ed Ecologica – Centro Nazionale Ricerca Nucleare (Kurchatov, Kazakhstan)	Assistente di Ricerca

Incarichi Didattici

2017/2018	Chimica Fisica IV (Laurea Magistrale) (C.F. 3)	CAD “Chimica”
2017/2018 2018/2019 2019/2020	Chimica Fisica III con Laboratorio (C.F. 9)	CAD “Chimica Industriale”

Membro di Commissioni di Laurea Triennale e Magistrale.

Tutor di Tesi di Laurea Magistrale in Chimica per la studentessa Sara Tabanella.

Incarichi Gestionali & Memberships

Co-Responsabile del Laboratorio EDXD

Responsabile dell’XRD Lab presso il NanoLab-CNIS (Sapienza).

Membro del Consiglio Direttivo del CNIS.

Membro della Società Chimica Italiana.

Membro del CAD di Chimica Industriale Sapienza.

Realizzazione di Attività Progettuale [grants come PI-Principal Investigator or I-Investigatior]Progetti ottenuti come PI

Anno	Titolo	Programma	Valore (€)
2017	Microscopic and mesoscopic organization in ionic liquid-based systems [Progetto GRANDE]	Ateneo 2017 Università di Roma "Sapienza"	30,000
2017	Finanziamento annuale individuale delle attività base di ricerca	MIUR, LEGGE 11-12- 2016, n. 232, art.1, commi 295-302	3,000
2013	Struttura e dinamica di sali liquidi fluorurati	D.R. 4542 del 20.12.2011, Ateneo Università di Roma "Sapienza" 5x1000 MacroArea A	25,000
2012	Rationalization of bulk performances of Alkali metal Oligoether Carboxilates	CASPUR (Consorzio Interuniversitario per le Applicazioni di Supercalcolo)	90K ore

Progetti ottenuti come I.

Anno	Titolo	Programma	Valore (€)
2018	Effect of water on the local structure and phase behavior of hydrophilic ionic liquids	Progetti di Ricerca Medie" Ateneo 2018	12,000
2014	New Generation Biosensors based on Choline-Aminoacids Ionic Liquids: Structural Characterization of the Liquid and of the Active Surface and Improvement of Device Properties	Ateneo Università di Roma "Sapienza", Progetti Awards, C26H14P9R2	60 000
2013	Preparation and structural, dynamical and thermodynamical characterization of ILs obtained from natural sources. Study of interactions between natural ILs and thermosensitive polymers.	Ateneo Università di Roma "Sapienza", Progetti Awards, C26H13MNEB	60 000
2011	Sintesi e caratterizzazione di nuovi liquidi ionici chirali.	Ateneo Università di Roma "Sapienza", C26A113ZNZ	37 000
2010	Protic Ionic Liquids : a structural and spectroscopic study by means of experimental and computational techniques	Ateneo Università di Roma "Sapienza", Progetti Awards, C26A10H5T8	100 000
2009	PRIN "Struttura e Dinamica di Liquidi Ionici e Loro Miscele"	MIUR, 2009WHPHRH	270 000

Organizzazione e Partecipazione a Progetti presso Large Scale Facilities.

Nel corso dell'attività scientifica ha ottenuto >40 turni di misure presso Large Scale Facilities europee, in veste di PI o I.

Partecipazioni a Comitati Organizzativi e Panel Valutazione

Membro del Comitato Scientifico e Chair-Person, ILMAT IV, 24-27 Ottobre, 2017, Santiago de Compostela, Spain (<https://www.ilmat.net/organizing-and-scientific-committees>)

Membro del Comitato Organizzatore del XLVII Congresso Nazionale di Chimica, 1-4 Luglio 2019, Roma (<http://congressodcf2019.it/comitati/>)

Membro del Panel di Valutazione per Science Foundation Ireland. *Site Review* del Progetto del Dr. Antonio Benedetto: "Breathing Life into Room-Temperature Ionic Liquids: a Comprehensive Experimental and Computational Study of their Interaction with Biomolecules" 28 Novembre 2018, Dublin (Ireland).

Partecipazioni a Congressi

Anno	Titolo Comunicazione	Congresso	Tipo Presentazione
2019	X-Ray diffraction (XRD) applied to Nanoscience	Nanoinnovation 2019, Giugno 2019, Rome	<u>Oral contribution</u>
2019	Nature of solvation of Cyclodextrins in (protic)ionic liquids and deep eutectic solvents	ILMAT2019, 4-8 novembre 2019, Parigi (FR)	<u>Oral contribution</u>
2018	Liquidi ionici a temperature ambiente: esplorazione strutturale in materiali del'interesse applicativo	Seminari di Natale del Dipartimento di Chimica. Rappresentante dell' Area Chimica-Fisica.	<u>Oral contribution.</u>
2018	Nanoscale organization in fluorinated ionic liquids	EMLG 2018, Nagoya, Japan.	<u>Oral contribution</u>
2018	Nanoscale organization in bis(perfluoroalkylsulfonyl)imide-based ionic liquids	ILED 2018, Roma.	<u>Oral contribution</u>

2018	Variety in the morphology of PILS and molecular compounds mixtures	Gordon Research Conference on ionic liquids, August , Newry, Maine (US)	<u>Invited Lecture</u>
2018	Mesoscopic structural organization in triphilic, fluorinated, room temperature ionic liquids	248th ACS meeting (session: Physical Chemistry of Ionic Liquids), New Orleans (USA), 18-22 marzo	<u>Invited Lecture</u>
2017	Critical and non/critical fluctuations in mixtures of Ionic Liquids with alcohols	ECTP 21 st , European Conference on Thermophysical Properties Graz, Austria, 03 – 08 settembre	<u>Oral presentation (co-author)</u>
2017	Fluorous mesoscopic domains in room temperature ionic liquids	XXVI CONGRESSO NAZIONALE della SCI, Paestum 11-14 settembre	<u>Oral presentation</u>
2017	Mesoscopic structural organization in triphilic, fluorinated, ionic liquids	CFCF2017 (Colloque Francais de Chimie du Fluor) 15-18 Maggio, Murol, France	<u>Invited plenary lecture</u>
2016	“Mesoscopic structural organization in ILs and their binary mixtures”	Recent Advances in Molecular Spectroscopy , RAMS 2016, Hyderabad, India	Invited Oral Contribution
2015	“Pressure induced structural changes in RTILs”	Molecular Liquids meet Ionic Liquids , EMLG, Rostock, Germany	Oral Contribution (co-author)
2015	“Structural and dynamical properties of EAN-DMSO mixtures”	Molecular Liquids meet Ionic Liquids , EMLG, Rostock, Germany	Oral Contribution
2015	“Critical and non-critical mesoscopic inhomogeneities in solutions of the protic ionic liquid ethyl ammonium nitrate and pentanol “	19th Symposium on Thermophysical Properties , Boulder, Colorado, USA	Oral Contribution (co-author)
2014	“EAN/Methanol mixtures Amphiphile meets amphiphile”	248 th American Chemical Society Meeting , San-Francisco, USA, 2014	Invited Oral Contribution
2013	“Local order in protic ionic liquid/methanol mixtures”	7 th International Discussion Meeting on Relaxations in Complex Systems, Barcelona, Spain	Invited Oral Contribution
2011	“New experimental evidences supporting the mesoscopic segregation model in RTILs”	154 th Faraday Discussions, Belfast, UK	Invited Oral Contribution (co-author)
2011	“Morphology of Poly(Ethylene Oxide)-RTILS Mixtures: SAXS and MD Studies”	4 th Conference on Ionic liquids (COIL) ; Washington, USA	Oral Contribution (co-author)
2011	“On the nature of nm-scale heterogeneities in ionic liquids”	Bunsen-Tagung, 110 ^o Congresso Società Chimica Fisica Tedesca. Berlino	Oral Contribution (co-author)

2011	“Short/Medium-to-Long Range Order correlations in Room Temperature Ionic Liquids”	Analysis of diffraction data in real space (ADD-2011), Grenoble , FRANCE	Poster
2010	“Complexity of structural and dynamic features in RTILs”	International Conference on Ionic Liquids for Electrochemical Devices ILED, Rome	Poster
2010	“Mesoscopic organization in ionic liquids: structural and dynamic implications”	XXXIX Congresso Nazionale di Chimica Fisica. Stresa	Poster
2009	“Phase diagram and structural properties of piperidinium based ionic liquids”	6 th International Discussion Meeting on Relaxations in Complex Systems, Rome	Oral Contribution (co-author)
2005	“Structural changes in DaPP around glass transition”	5 th International Discussion Meeting on Relaxations in Complex Systems - Lille, France	Oral Contribution
2004	“Structure /dynamics correlations in DaPP”	Quasielastic Neutron Scattering (QENS2004)	Oral Contribution
2003	“Experimental emulation of Repetition Rate Multiplication, a novel technique for neutron time-of-flight spectroscopy on pulsed sources”	16th Meeting of the International Collaboration on Advanced Neutron Sources ICANS – XVI, Düsseldorf-Neuss, Germany	Poster
2002	“Dynamics correlations around the glass transition”	International Congress on Neutron Scattering, Munchen, Germany (ICNS)	Poster
2001	Fast relaxation dynamics in glasses with different fragility	4 th International Discussion Meeting on Relaxation in Complex Systems - Hersonissos, Crete, Greece,	Poster

Pubblicazioni:

56. *Structural features in protic ionic liquids based on strong base and strong acid.*
(A. Triolo, F. Lo Celso, G B Appetecchi, F. Leonelli,, D. Keeble, O. Russina)
sottomesso
55. *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)
54. *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)
53. *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)
52. *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)
51. *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)
50. *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.
49. *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)
48. *Nanostructured solvation in mixtures of protic ionic liquids and long-chained alcohols*
(H. Montes-Campos, J.M. Otero-Mato, T. Méndez-Morales, E. López-Lago, O. Russina*, O. Cabeza, L. J. Gallego, L. M. Varela)
The Journal of Chemical Physics 146, 124503 (2017)
47. *Ionic Liquids and Neutron Scattering*
(O. Russina, A. Triolo)
Capitolo nel Libro “Experimental Methods in the Physical Sciences” 49, 213-278 (2017)
46. *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)
45. *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)

44. *Liquid structure of dibutyl-sulfoxide.*
(F. Lo Celso, B. Aoun, A. Triolo and O. Russina)
Phys. Chem. Chem. Phys. **18**, 15980 (2016)
43. *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)
42. *Mesoscopic structural and dynamic organization in ionic liquids.*
(O. Russina, W. Schroer, A. Triolo)
J. Molecular Liquids **161-163** (2016)
41. *Micro-and-mesoscopic structural features of a bio-based choline-amino acid ionic liquid.*
(O. Russina, S De Santis, L. Gontrani)
RSC Advances **6(41)**, 34737-34743 (2016)
40. *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)
39. *Pressure-responsive mesoscopic structure in room temperature ionic liquids.*
(O. Russina, F. Lo Celso and A. Triolo)
Physical Chemistry Chemical Physics **17**, 29496 (2015)
38. *Solvation of molecular cosolvents and inorganic salts in ionic liquids: a review of molecular dynamics simulations*
(Varela, LM.; Mendes-Morales, T.; Carrete, J.; Gomes-Gonzalez, V.; DoCampo-Alvarez, B.; Gallego, LJ.; Cabeza, O.; Russina O.)
J. Molecular Liquids **210**, 178-188 (2015)
37. *Mesoscopic structural and dynamic organization in ionic liquids*
(O. Russina, W. Schroer, and A. Triolo)
Journal of Molecular Liquids **210**, 161 (2015)
36. *Triphasic 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)
35. *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)
34. *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).
33. *Nanostructure of mixtures of protic ionic liquids and lithium salts: effect of alkyl chain length*
(Mendez-Morales, T.; Carrete, J.; Rodriguez, J. R.; Cabeza, O.; Gallego, L.G.; Russina, O.; Varela, L. M.)
Physical Chemistry Chemical Physics **17**, 5298 (2015).

32. *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)
31. *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).
30. *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)
29. *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
28. *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)
27. *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)
26. *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)
25. *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).
24. *NMR Investigation of imidazolium-based ionic liquids and their aqueous mixtures*
(Marincola, FC.; Piras, C.; Russina, O.; Gontrani, L.; Caminiti R.)
ChemPhysChem **13**, 1339 (2012)
23. *Mesoscopic Structural Heterogeneities in Room temperature Ionic Liquids*
(O. Russina, A. Triolo L. Gontrani, R. Caminiti)
J. Phys. Chem. Lett. **3**, 27 (2012)
22. *New experimental evidences supporting the mesoscopic segregation model in room temperature ionic liquids.*
(O. Russina, A. Triolo)
Faraday Discussions **154**, 97 (2012)
21. *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)

20. *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)
19. *Crystal Polymorphism of Propylammonium Chloride and Structural Properties of Its Mixture with Water.*
(Migliorati V, Ballirano P; Gontrani L; Russina O.; Caminiti R)
J. Phys. Chem. B **115**, 11805 (2011)
18. *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)
17. *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)
16. *An Energy Dispersive X-ray Scattering and Molecular Dynamics study of liquid dimethyl carbonate.*
(L. Gontrani, O. Russina, F. C. Marincola, R. Caminiti)
J. Phys. Chem. B **131**, 244503 (2009)
15. *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)
14. *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)
13. *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)
12. *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)
J. Phys. Chem. B **113**, 9235 (2009)
11. *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)
10. *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)

9. *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)
8. *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)
7. *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)
6. *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)
5. *Complex dynamics in Polymer Electrolytes*
(A. Triolo, O. Russina, M. Lanza and H. Grimm)
Notiziario Neutroni e Luce di Sincrotrone **9**, 32 (2004)
4. *Quasi elastic neutron scattering characterization of the relaxation processes in a Room Temperature Ionic Liquid*
(A. Triolo, O. Russina, V. Arrighi, F. Juranyi, S. Janssen and C. M. Gordon)
J. Chem. Phys. **119**, 8549 (2003) also published in the **Virtual Journal of Ultrafast Science** (November 2003 issue)
3. *Dynamic correlations around the glass transition in systems with different degrees of fragility*
(O. Russina, M. Russina, F. Mezei, R. Lechner, J. Pieper, A. Desmedt)
Applied Physics A **74**, 1192 (2002)
2. *Heterogeneous large amplitude atomic motion in supercooled liquids*
(M. Russina, O. Russina, F. Mezei)
Chemical Physics **292**, 325 (2003)
1. *Experimental emulation of Repetition Rate Multiplication, a novel technique for neutron tof- spectroscopy on pulsed sources*
(O. Russina, F. Mezei, M. Russina, R. Lechner, J. Ollivier)
ICANS-XVI Proceedings, May 12-15(2003) Düsseldorf, pgg. 1343-1347