

Publication list

PhD thesis

Broadband dielectric spectroscopy of confined liquid crystals and hydrogen bonded liquids
Katholieke Universiteit Leuven, Leuven, Belgium (2007).

Publications in journals or books with peer review

1. Influence of nanosized confinements on 4-n-decyl-4'-cyanobiphenyl (10CB): A broadband dielectric study
J. Leys, G. Sinha, C. Glorieux and J. Thoen
Phys. Rev. E 71(5), 051709 (2005)
ISI IF 2013: 2.326; 2005: 2.418
Times cited: 36
2. Broadband dielectric study of liquid crystal 4-n-decyl-4'-cyanobiphenyl (10CB) dispersed with hydrophilic aerosil particles
G. Sinha, J. Leys, C. Glorieux and J. Thoen
J. Non-cryst. Solids 351(33–36), 2780–2785 (2005)
ISI IF 2013: 1.716; 2005: 1.264
Times cited: 5
3. Weakly first-order character of the nematic-isotropic phase transition in liquid crystals
B. Van Roie, J. Leys, K. Denolf, C. Glorieux, G. Pitsi and J. Thoen
Phys. Rev. E 72(4), 041702 (2005)
ISI IF 2013: 2.326; 2005: 2.418
Times cited: 34
4. Dielectric spectroscopy of aerosil-dispersed liquid crystal embedded in Anopore membranes
G. Sinha, J. Leys, C. Glorieux and J. Thoen
Phys. Rev. E 72(5), 051710 (2005)
ISI IF 2013: 2.326; 2005: 2.418
Times cited: 30
5. Dielectric pretransitional effects in the isotropic phase of chiral liquid crystals
J. Leys, C. Glorieux, M. Wübbenhorst and J. Thoen
Liq. Cryst. 34(6), 749–759 (2007)
ISI IF 2013: 2.349; 2007: 1.362
Times cited: 7
6. Dielectric spectroscopy of water confined between aerosil nanoparticles and in Vycor nanoporous glass
G. Sinha, J. Leys, M. Wübbenhorst, C. Glorieux and J. Thoen
Int. J. Thermophys. 28(2), 616–628 (2007)
ISI IF 2013: 0.623; 2007: 0.698
Times cited: 2
7. Dynamics of alcohols dispersed with aerosils
J. Leys, C. Glorieux and J. Thoen
J. Non-cryst. Solids 353(47–51), 4560–4564 (2007)
ISI IF 2013: 1.716; 2007: 1.319
Times cited: 3

8. Temperature dependence of the electrical conductivity of imidazolium ionic liquids
J. Leys, M. Wübbenhorst, C.P. Menon, R. Rajesh, J. Thoen, C. Glorieux, P. Nockemann, B. Thijs, K. Binnemans and S. Longuemart
J. Chem. Phys. 128(6), 064509 (2008)
ISI IF 2013: 3.122; 2008: 3.149
Times cited: 69
9. Accelerated dielectric relaxation in the isotropic phase of associating liquid crystals dispersed with aerosols
J. Leys, C. Glorieux and J. Thoen
Phys. Rev. E 77(6), 061707 (2008)
ISI IF 2013: 2.326; 2008: 2.508
Times cited: 10
10. Confinement effects on strongly polar alkylcyanobiphenyl liquid crystals probed by dielectric spectroscopy
J. Leys, C. Glorieux and J. Thoen
J. Phys.: Condens. Matter 20(24), 244111 (2008)
ISI IF 2013: 2.223; 2008: 1.900
Times cited: 8
11. Temperature-driven mixing-demixing behavior of binary mixtures of the ionic liquid choline bis(trifluoromethylsulfonyl)imide and water
P. Nockemann, K. Binnemans, B. Thijs, T.N. Parac-Vogt, K. Merz, A.V. Mudring, P.C. Menon, R.N. Rajesh, G. Cordoyiannis, J. Thoen, J. Leys and C. Glorieux
J. Phys. Chem. B 113(5), 1429–1437 (2009)
ISI IF 2013: 3.377; 2009: 3.471
Times cited: 38
12. Determination of some thermophysical parameters of liquids from thermal waves generated by the Peltier effect
J. Leys, C. Glorieux and J. Thoen
Proceedings of the 30th International Thermal Conductivity Conference and 18th International Thermal Expansion Symposium, August 29 – September 2, 2009, Pittsburgh, PA, USA, Editors D.S. Gaal and P.S. Gaal, pages 868–877 (2010)
ISBN: 978-1-60595-015-0
Times cited: 0
13. Phase separation as a tool to control dispersion of multiwall carbon nanotubes in polymeric blends
S. Bose, C. Özdilek, J. Leys, J.W. Seo, M. Wübbenhorst, J. Vermant and P. Moldenaers
ACS Appl. Mater. Interfaces 2(3), 800–807 (2010)
ISI IF 2013: 5.900; 2010: 2.925
Times cited: 26
14. Temperature, concentration, and frequency dependence of the dielectric constant near the critical point of the binary liquid mixture nitrobenzene-tetradecane
J. Leys, P. Losada-Pérez, G. Cordoyiannis, C.A. Cerdeiriña, C. Glorieux and J. Thoen
J. Chem. Phys. 132(10), 104508 (2010)
ISI IF 2013: 3.122; 2010: 2.920
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15. Surface and disorder effects in aerosil dispersed liquid crystals
 J. Leys, C. Glorieux and J. Thoen
J. Non-cryst. Solids, 356(11–17), 597–601 (2010)
 ISI IF 2013: 1.716; 2010: 1.483
 Times cited: 1
16. Influence of the anion on the electrical conductivity and glass formation of 1-butyl-3-methylimidazolium ionic liquids
 J. Leys, R.N. Rajesh, P.C. Menon, C. Glorieux, S. Longuemart, P. Nockemann, M. Pellens and K. Binnemans
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 Times cited: 12
17. Dynamics of the crystal to plastic crystal transition in the hydrogen bonded N-isopropyl-propionamide
 F. Meersman, B. Geukens, M. Wübbenhorst, J. Leys, S. Napolitano, Y. Filinchuk, G. Van Assche, B. Van Mele and E. Nies
J. Phys. Chem B 114(44), 13944–13949 (2010)
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 Times cited: 4
18. Large heat capacity anomaly near the consolute point of the binary mixture nitromethane and 3-pentanol
 P. Losada-Pérez, C.S.P. Tripathi, J. Leys, C. Glorieux and J. Thoen
J. Chem. Phys. 134(4), 044505 (2011)
 ISI IF 2013: 3.122; 2011: 3.333
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19. Measurements of heat capacity and enthalpy of phase change materials by adiabatic scanning calorimetry
 P. Losada-Pérez, C.S.P. Tripathi, J. Leys, G. Cordoyiannis, C. Glorieux and J. Thoen
Int. J. Thermophys. 32(5), 913–924 (2011)
 ISI IF 2013: 0.623; 2011: 0.953
 Times cited: 5
20. The critical behavior of the dielectric constant in the polar + polar binary liquid mixture nitromethane + 3-pentanol: An unusual sign of its critical amplitude in the one-phase region
 J. Leys, P. Losada-Pérez, J. Troncoso, C. Glorieux and J. Thoen
J. Chem. Phys. 135(2), 024508 (2011)
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 Times cited: 4
21. Effect of thermally reduced graphene sheets on the phase behavior, morphology, and electrical conductivity in poly[(α -methyl styrene)-co-(acrylonitrile)] / poly(methyl-methacrylate)] blends
 G. Vleminckx, S. Bose, J. Leys, J. Vermant, M. Wübbenhorst, A.A. Abdala, C. Macosko and P. Moldenaers
ACS Appl. Mater. Interfaces 3(8), 3172–3180 (2011)
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22. Thermally induced phase separation in P α MSAN/PMMA blends in presence of functionalized multiwall carbon nanotubes: Rheology, morphology and electrical conductivity
C. Özdilek, S. Bose, J. Leys, J.W. Seo, M. Wübbenhorst and P. Moldenaers
Polymer 52(20), 4480–4489 (2011)
ISI IF 2013: 3.766; 2011: 3.438
Times cited: 6
23. The nematic-nematic phase transition in the liquid crystal dimer CBC9CB and its mixtures with 5CB: a high-resolution adiabatic scanning calorimetric study
C.S.P. Tripathi, P. Losada-Pérez, C. Glorieux, A. Kohlmeier, M.-G. Tamba, G.H. Mehl and J. Leys
Phys. Rev. E 84(4), 041707 (2011)
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24. The Yang-Yang anomaly in liquid-liquid criticality: Experimental evidence from adiabatic scanning calorimetry
P. Losada-Pérez, C.S.P. Tripathi, J. Leys, C.A. Cerdeiriña, C. Glorieux and J. Thoen
Chem. Phys. Lett. 523, 69–73 (2012)
ISI IF 2013: 1.991; 2012: 2.145
Times cited: 3
25. Evidence from adiabatic scanning calorimetry for the Halperin-Lubensky-Ma effect at the N-SmA phase transitions in mixtures of 7OCB+heptane with an injected SmA phase
C.S.P. Tripathi, P. Losada-Pérez, J. Leys, G. Cordoyiannis, C. Glorieux and J. Thoen
Eur. Phys. J. E 35(7), 54 (2012)
ISI IF 2013: 2.103; 2012: 1.824
Times cited: 1
26. Modeling asphaltene aggregation with a single compound
B. Breure, D. Subramanian, J. Leys, C.J. Peters and M.A. Anisimov
Energy & Fuels 27(1), 172–176 (2012)
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Times cited: 2
27. High-resolution adiabatic scanning calorimetry applied to the phase transitions in the n-alkanes tetradecane and tetracosane
J. Leys, C. Glorieux and J. Thoen
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28. Thermodynamic Anomalies and Structural Fluctuations in Aqueous Solutions of Tertiary Butyl Alcohol
D. Subramanian, J.B. Klauda, J. Leys and M.A. Anisimov
Vestnik St. Petersburg University Ser. 4, 2013(1), 139–152 (2013)
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29. Mesoscale phenomena in solutions of 3-methylpyridine, heavy water, and an antagonistic salt
 J. Leys, D. Subramanian, E. Rodezno, B. Hammouda and M.A. Anisimov
Soft Matter 9(39), 9326–9334 (2013)
 ISI IF 2013: 4.151
 Times cited: 4
30. Adiabatic scanning calorimetry study of ionic liquid crystals with highly ordered crystal smectic phases
 C.S.P. Tripathi, J. Leys, P. Losada-Pérez, K. Lava, K. Binnemans, C. Glorieux and J. Thoen
Liq. Cryst. 40(3), 329–338 (2013)
 ISI IF 2013: 2.349
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31. High-resolution birefringence investigation of octylcyanobiphenyl (8CB): an upper bound on the discontinuity at the smectic-*A* to nematic phase transition
 M.C. Çetinkaya, S. Yildiz, H. Özbek, P. Losada-Pérez, J. Leys and J. Thoen
Phys. Rev. E 88(4), 042502 (2013)
 ISI IF 2013: 2.326
 Times cited: 3
32. Electrical conductivity and glass formation in nitrile-functionalized pyrrolidinium bis-(trifluoromethylsulfonyl)imide ionic liquids: chain length and odd–even effects of the alkyl spacer between the pyrrolidinium ring and the nitrile group
 J. Leys, C.S.P. Tripathi, C. Glorieux, S. Zahn, B. Kirchner, S. Longuemart, K.C. Lethesh, P. Nockemann, W. Dehaen and K. Binnemans
Phys. Chem. Chem. Phys. 16(22), 10548–10557 (2014)
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33. Effect of multiwall carbon nanotubes on the phase separation of concentrated blends of poly[(α -methyl styrene)-co-acrylonitrile] and poly(methyl methacrylate) as studied by melt rheology and conductivity spectroscopy
 S. Bose, R. Cardinaels, C. Özdilek, J. Leys, J.W. Seo, M. Wübberhorst and P. Moldenaers
Eur. Polymer J. 53, 253–269 (2014)
 ISI IF 2013: 3.242
 Times cited: 0
34. Investigation of the melting behavior of the reference materials biphenyl and phenyl salicylate by adiabatic scanning calorimetry
 J. Leys, P. Losada-Pérez, E. Slenders, C. Glorieux and J. Thoen
Thermochim. Acta 582, 68–76 (2014)
 ISI IF 2013: 2.105
 Times cited: 1
35. Phase transitions in lipid vesicles detected by a complementary set of methods: heat-transfer measurements, adiabatic scanning calorimetry, and dissipation-mode quartz crystal microbalance
 P. Losada-Pérez, K.L. Jiménez-Monroy, B. van Grinsven, J. Leys, S.D. Janssens, M. Peeters, C. Glorieux, J. Thoen, K. Haenen, W. De Ceuninck and P. Wagner
Phys. Status Solidi A 211(6), 1377–1388 (2014)
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36. Application of a novel type of Adiabatic Scanning Calorimeter for high-resolution thermal data near the melting point of gallium
J. Leys, P. Losada-Pérez, C. Glorieux and J. Thoen
J. Therm. Anal. Calorim. 117(1), 173–187 (2014)
ISI IF 2013: 2.206
Times cited: 1
37. Phase behavior of binary lipid mixtures: a combined study by adiabatic scanning calorimetry and quartz crystal microbalance with dissipation
P. Losada-Pérez, N. Mertens, B. De Medio-Vasconcelos, E. Slenders, J. Leys, M. Peeters, B. van Grisen, J. Gruber, C. Glorieux, J. Thoen and P. Wagner
Adv. Condens. Matter Phys., In press (2014)
38. Rotator transitions in alkanes: high-resolution adiabatic scanning calorimetry of tricosane ($C_{23}H_{48}$), tetracosane ($C_{24}H_{50}$) and pentacosane ($C_{25}H_{52}$)
J. Leys, P. Losada-Pérez, C. Glorieux and J. Thoen
In preparation
39. High-resolution adiabatic scanning calorimetry of aqueous solutions of sodium chloride: a new approach to purity determination
P. Losada-Pérez, J. Leys, C. Glorieux and J. Thoen
In preparation

Patents and patent applications

1. Adiabatic scanning calorimeter
J. Thoen, J. Leys and C. Glorieux
WO/2012/003553, Published January 12, 2012
2. Differential adiabatic scanning calorimeter
J. Thoen, J. Leys and C. Glorieux
PCT/BE2012/000002, International Filing Date January 27, 2012

Abstracts of presentations

1. Broadband dielectric study of size and surface effects in liquid crystal–Aerosil nanoparticle systems
J. Leys, G. Sinha, C. Glorieux and J. Thoen
Poster presented at the International Scientific Meeting of the Belgian Physical Society, May 25–26, 2004, Mons, Belgium
2. Broadband dielectric spectroscopy of the glass-forming liquid crystal isopentylcyanobiphenyl dispersed with hydrophilic and hydrophobic aerosils
G. Sinha, J. Leys, C. Glorieux and J. Thoen
Oral communication at the 20th International Liquid Crystal Conference, July 4–9, 2004, Ljubljana, Slovenia
3. Broadband dielectric study of nematic, smectic, and cholesteric liquid crystal dispersed with aerosils particles
G. Sinha, J. Leys, C. Glorieux and J. Thoen
Oral communication at the 3rd International Conference on Broadband Dielectric Spectroscopy and its Applications, August 23–26, 2004, Delft, The Netherlands

4. Glass-like behaviour of nano-confined 4-n-decyl-4'-cyanobiphenyl (10CB)
J. Leys, G. Sinha, C. Glorieux and J. Thoen
Poster presented at the Symposium of the Liquid Crystals and Surfactants Society, November 5, 2004, Delft, The Netherlands
5. Molecular dynamics of the glass-forming liquid crystal isopentylcyanobiphenyl dispersed with hydrophilic and hydrophobic aerosils: a broadband dielectric study
G. Sinha, J. Leys, C. Glorieux and J. Thoen
Oral communication at the International Scientific Meeting of the Belgian Physical Society, May 25–26, 2004, Mons, Belgium
6. Glass-like behaviour in nano-confined 4-n-decyl-4'-cyanobiphenyl (10CB)
J. Leys, G. Sinha, C. Glorieux and J. Thoen
Poster presented at the 8th European Conference on Liquid Crystals, February 27–March 4, 2005, Sesto, Italy
7. Dynamics of aerosil dispersed 4-pentyl-4'-cyanobiphenyl (5CB) embedded in Anopore membranes studied by broadband dielectric spectroscopy
J. Leys, G. Sinha, C. Glorieux and J. Thoen
Poster presented at the 6th Liquid Matter Conference, July 2–6, 2005, Utrecht, The Netherlands
8. Aerosil dispersed liquid crystals: the picture from dielectric spectroscopy
J. Leys, G. Sinha, A. Oka, A. Hourri, C. Glorieux and J. Thoen
Poster presented at the 21st International Liquid Crystal Conference, July 2–7, 2006, Keystone CO, USA
9. Dielectric pretransitional effects in the isotropic phase of liquid crystals
J. Leys and J. Thoen
Poster presented at the 21st International Liquid Crystal Conference, July 2–7, 2006, Keystone CO, USA
10. Dielectric spectroscopy of supercooled water in porous glass and compressed hydrophilic aerosils
G. Sinha, J. Leys, M. Wübbenhorst, C. Glorieux and J. Thoen
Poster presented at the 16th Symposium on Thermophysical Properties, July 30–August 4, 2006, Boulder CO, USA
11. Dynamics of alcohols dispersed with aerosils
J. Leys and J. Thoen
Poster presented at the 4th Conference of the International Dielectric Society and the 9th International Conference on Dielectric and Related Phenomena, September 3–7, 2006, Poznan, Poland
12. Dynamics of liquid crystals dispersed with aerosils
J. Leys, G. Sinha, A. Oka, A. Hourri, C. Glorieux and J. Thoen
Poster presented at the 4th Conference of the International Dielectric Society and the 9th International Conference on Dielectric and Related Phenomena, September 3–7, 2006, Poznan, Poland
13. Accelerated Dielectric Relaxation of associating and non-associating liquid crystals dispersed with aerosils
J. Leys, C. Glorieux and J. Thoen
Poster presented at the 22nd International Liquid Crystal Conference, June 29–July 4, 2008, Jeju, Korea

14. Conductivity and glass transition dynamics in imidazolium ionic liquids
 J. Leys, C.P. Menon, R. Rajesh, J. Thoen, C. Glorieux, P. Nockemann, B. Thijs, K. Binne-
 mans and S. Longuemart
 Poster presented at the 5th International Conference on Broadband Dielectric Spectroscopy
 and Its Applications, August 26–29, 2008, Lyon, France
15. A dielectric study near the critical point of the binary liquid mixture nitrobenzene-
 tetradecane: temperature and concentration dependence of the dielectric constant
 J. Leys, G. Cordoyiannis, P. Losada-Pérez, C.A. Cerdeiriña, C. Glorieux and J. Thoen
 Poster presented at the 5th International Conference on Broadband Dielectric Spectroscopy
 and Its Applications, August 26–29, 2008, Lyon, France
16. Surface and disorder effects in aerosil dispersed liquid crystals
 J. Leys, C. Glorieux and J. Thoen
 Oral communication at the 5th International Conference on Broadband Dielectric Spec-
 troscopy and Its Applications, August 26–29, 2008, Lyon, France
17. Temperature and concentration dependence of the dielectric constant near the critical point
 of the binary liquid mixture nitrobenzene-tetradecane
 J. Leys, G. Cordoyiannis, P. Losada-Pérez, C.A. Cerdeiriña, C. Glorieux and J. Thoen
 Poster presented at the 18th European Conference on Thermophysical Properties, August
 31 – September 4, 2008, Pau, France
18. Broadband photopyroelectric spectroscopy of glass forming liquids
 R.N. Rajesh, P. Menon, S. Longuemart, J. Leys, J. Thoen and C. Glorieux
 Oral communication at the 18th European Conference on Thermophysical Properties,
 August 31 – September 4, 2008, Pau, France
19. Aerosil dispersed cyanobiphenyls: results from dielectric spectroscopy on 9CB and 10CB
 J. Leys, J. Allemeersch, M. Bercx, C. Glorieux and J. Thoen
 Poster presented at the 15th Workshop of the International School of Liquid Crystals
 (Liquid Crystal Phases and Nano-Structures), October 27–November 1, 2008, Erice, Italy
20. Comparison of thermal waves excited by the photothermal and the Peltier effect
 J. Leys, C. Glorieux, J. Thoen
 Poster presented at the 15th International Conference on Photoacoustic and Photothermal
 Phenomena, July 19–23, 2009, Leuven, Belgium
21. Dielectric spectroscopy of an aerosil dispersed smectic cyanobiphenyl
 J. Leys, J. Allemeersch, M. Bercx, C. Glorieux and J. Thoen
 Poster presented at the 10th European Conference on Liquid Crystals, April 19–24, 2009,
 Colmar, France
22. Temperature, Frequency and Concentration Dependence of the Dielectric Permittivity of a
 Polar – Non-Polar and a Non-Polar – Non-Polar Phase Separating Binary Liquid Mixture
 J. Leys, G. Cordoyiannis, P. Losada-Pérez, C.A. Cerdeiriña, C. Glorieux and J. Thoen
 Oral communication at the 17th Symposium on Thermophysical Properties, June 21–26,
 2009, Boulder, CO, USA
23. Thermal characterization of pyroelectric sensor materials between 130K and 300K by a
 photopyroelectric technique
 C. Glorieux, R.N. Rajesh, P. Menon, J. Leys, S. Longuemart
 Oral communication at the 15th International Conference on Photoacoustic and Photother-
 mal Phenomena, July 19 – 23, 2009, Leuven, Belgium

24. Determination of Some Thermophysical Parameters of Liquids from Thermal Waves Generated by the Peltier Effect
J. Leys, C. Glorieux and J. Thoen*
Poster presented the 30th International Thermal Conductivity Conference and 18th International Thermal Expansion Symposium, August 29 – September 2, 2009, Pittsburgh, PA, USA
25. Dielectric spectroscopy of three bent-core liquid crystals with a nematic phase
J. Leys, K. Fodor-Csorba, C. Glorieux and J. Thoen
Poster presented at the 23rd International Liquid Crystal Conference, July 11–16, 2010, Krakow, Poland
26. Dynamics in a series of liquid crystalline polymers probed by dielectric spectroscopy
J. Leys, S. Yildiz, H. Özbek, Y. Hepuzer Gursel, Y. Yuksel Durmaz, C. Glorieux and J. Thoen
Poster presented at the 23rd International Liquid Crystal Conference, July 11–16, 2010, Krakow, Poland
27. Phase transitions study of a cyanobiphenyl dimer exhibiting a nematic-nematic phase transition by means of high-resolution adiabatic scanning calorimetry
C.S.P. Tripathi, P. Losada-Pérez, J. Leys, C. Glorieux, A. Kohlmeier, M.-G. Tamba and G.H. Mehl
Poster presented at the 23rd International Liquid Crystal Conference, July 11–16, 2010, Krakow, Poland
28. Dielectric Permittivity Near the Liquid-Liquid Critical Point: Experimental Test of Complete Scaling Predictions
J. Leys, P. Losada-Pérez, C. Glorieux and J. Thoen
Oral communication at the 21st IUPAC International Conference on Chemical Thermodynamics, August 1–6, 2010, Tsukuba, Japan
29. Investigations of the nematic-nematic phase transition in mixtures of the cyanobiphenyl dimer CB_C9_CB and 5CB by means of high resolution adiabatic scanning calorimetry
C.S.P. Tripathi, P. Losada-Pérez, J. Leys, A. Kohlmeier, M.-G. Tamba, G.H. Mehl, C. Glorieux and J. Thoen
Poster presented at the 11th European Conference on Liquid Crystals, February 6–11, Maribor, Slovenia
30. High- resolution adiabatic scanning calorimetry applied to phase transitions in soft condensed matter systems
J. Thoen, J. Leys, P. Losada-Pérez, C.S.P. Tripathi and C. Glorieux
Oral communication at the 66th Calorimetry Conference (CALCON 2011), June 12–17, Turtle Bay Resort, Oahu, Hawaii, USA
31. Comparison between Peltier Element Driven AC Calorimetry and Adiabatic Scanning Calorimetry
J. Leys, C. Glorieux and J. Thoen
Oral communication at the 31th International Thermal Conductivity Conference (ITCC) and 19th International Thermal Expansion Symposium (ITES), June 26–30, 2011, Saguenay, Québec, Canada
32. Peltier element driven AC calorimetry
J. Leys, C. Glorieux and J. Thoen
Oral communication at the 19th European Conference on Thermophysical Properties, August 28 – September 1, 2011, Thessaloniki, Greece

33. The critical behavior of the dielectric constant in the polar-polar mixture nitromethane and 3-pentanol. An unusual sign in its critical amplitude in the homogeneous region
J. Leys, P. Losada-Pérez, J. Troncoso, C. Glorieux and J. Thoen
Oral communication at the 19th European Conference on Thermophysical Properties, August 28 – September 1, 2011, Thessaloniki, Greece
34. The Yang–Yang anomaly in nitromethane and 3-pentanol binary liquid mixture: Experimental search by adiabatic scanning calorimetry
P. Losada-Pérez, C.S.P. Tripathi, J. Leys, C. Glorieux and J. Thoen
Poster presented at the 19th European Conference on Thermophysical Properties, August 28 – September 1, 2011, Thessaloniki, Greece
35. Experimental evidence for the Yang–Yang anomaly in a binary liquid mixture: high-resolution study by adiabatic scanning calorimetry
P. Losada-Pérez, C.S.P. Tripathi, J. Leys, C. Glorieux and J. Thoen
Poster presented at the 8th Liquid Matter Conference, September 6–10, 2011, Vienna, Austria
36. High-resolution adiabatic scanning calorimetric study of phase transition behavior of some piperidinium and morpholinium ionic liquid crystals
C.S.P. Tripathi, J. Leys, P. Losada-Pérez, C. Glorieux, K. Lava, K. Binnemans and J. Thoen
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37. Enthalpy and heat capacity measurements by adiabatic scanning calorimetry of some pure alkanes: melting, solidification and supercooling
J. Leys, C. Glorieux and J. Thoen
Poster presented at the 8th Liquid Matter Conference, September 6–10, 2011, Vienna, Austria
38. Singular behavior of the refractive index in liquid–liquid criticality: thermodynamics vs Lorentz-Lorenz relation
P. Losada-Pérez, C.S.P. Tripathi, J. Leys, C. Glorieux and J. Thoen
Oral communication at the 18th Symposium on Thermophysical Properties, June 24–29, 2012, Boulder, CO, USA
39. High resolution enthalpy and heat capacity data for n-Alkanes from adiabatic scanning calorimetry
J. Leys, C. Glorieux and J. Thoen
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40. Electrical conductivity and glass formation of nitrile-functionalized pyrrolidinium bis-(trifluoromethylsulfonyl)imide ionic liquids
C.S.P. Tripathi, J. Leys, C. Glorieux, S. Longuemart, K.C. Lethesh, P. Nockemann and K. Binnemans
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41. High-resolution adiabatic scanning calorimetric study of phase transition behavior of some piperidinium and morpholinium ionic liquid crystals
C.S.P. Tripathi, J. Leys, P. Losada-Pérez, C. Glorieux, K. Lava, K. Binnemans and J. Thoen
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42. High-resolution adiabatic scanning calorimetry of phase transitions in some calorimetric reference materials
J. Leys, P. Losada-Pérez, C. Glorieux and J. Thoen*
Oral communication at the 41nd Annual Conference of the North American Thermal Analysis Society, August 4-7, 2013, Bowling Green, KY, USA
43. Novel implementation of the adiabatic scanning calorimetry concept for simultaneous high-resolution measurements of heat capacity and enthalpy of soft matter systems
C. Glorieux, J. Leys, P. Losada-Pérez and J. Thoen
Oral communication at the 2nd Central and Eastern European Conference for Thermal Analysis and Calorimetry, August 27-30, 2013, Vilnius, Lithuania
44. Study of lipid membrane phase transitions with high-resolution adiabatic scanning calorimetry
J. Leys, P. Losada-Pérez, H. Pfeiffer, C. Glorieux and J. Thoen
Poster presented at the Engineering of Functional Interfaces workshop (EnFI 2013), July 8–9, 2013, Hasselt, Belgium
45. High-resolution birefringence measurements and the order of the smectic A to nematic phase transition in octylcyanobiphenyl (8CB)
H. Özbek, M.C. Çetinkaya, S. Yildiz, P. Losada-Pérez, J. Leys and J. Thoen
Poster presented at the 12th European Conference on Liquid Crystals, September 22–27, 2013, Rhodes, Greece
46. Modeling Asphaltene Aggregation With a Single Compound
B. Breure, D. Subramanian*, J. Leys, C.J. Peters and M.A. Anisimov
Oral communication at the 13th AIChE Annual Meeting, November 3–8, 2013, San Francisco, CA, USA
47. Phase transitions in lipid vesicles detected by a complementary set of methods: heat-transfer measurements, adiabatic scanning calorimetry and dissipation-mode quartz crystal microbalance
P. Losada-Pérez, K.L. Jiménez-Monroy, B. van Grinsven, J. Leys, S.D. Janssens, M. Peeters, C. Glorieux, J. Thoen, K. Haenen, W. De Ceuninck and P. Wagner
Oral communication at the 20th International Conference on Chemical Thermodynamics (ICCT) and the SAChE National Conference, July 27 – August 1, 2014, Durban, South Africa
48. Novel Peltier-element-based adiabatic scanning calorimeter of phase transitions, with application to melting of water + salt solutions
J. Thoen, J. Leys*, P. Losada-Pérez and C. Glorieux
Invited lecture at the 20th European Conference on Thermophysical Properties, August 31 – September 4, 2014, Porto, Portugal