

Dr Żaneta Wojnarowska

Lista publikacji

z dnia 31 października 2013

Publikacje w czasopismach

1. Griffin P.J., Sangoro J.R., Wang Y., Holt A.P., Novikov V.N., Sokolov A.P., Wojnarowska Z., Paluch M., Kremer F., 2013, ***Dynamic crossover and the Debye–Stokes–Einstein relation in liquid N,N-diethyl-3-methylbenzamide (DEET)***, *Soft Matter*, 10.1039/C3SM51565F
2. Koperwas K., Grzybowski A., Grzybowska K., Wojnarowska Z., Sokolov A.P., Paluch M., 2013, ***Effect of Temperature and Density Fluctuations on the Spatially Heterogeneous Dynamics of Glass-Forming Van der Waals Liquids under High Pressure***, *Phys. Rev. Lett.*, 111, 125701
3. Wojnarowska Z., Grzybowska K., Hawelek L., Dulski M., Wrzalik R., Gruszka I., Paluch M., Pienkowska K., Sawicki W., Bujak P., Paluch K.J., Tajber L., Markowski J., 2013, ***Molecular Dynamics, Physical Stability and Solubility Advantage from Amorphous Indapamide Drug***, *Mol. Pharm.*, 10 (10), pp 3612–3627
4. Swiety-Pospiech A., Wojnarowska Z., Hensel-Bielowka S., Pionteck J., Paluch M., 2013, ***Effect of pressure on decoupling of ionic conductivity from structural relaxation in hydrated protic ionic liquid, lidocaine HCl***, *J. Chem. Phys.*, 138(20):204502
5. Kolodziejczyk K., Paluch M., Grzybowska K., Grzybowski A., Wojnarowska Z., Hawelek L., Ziolo J.D., 2013, ***Relaxation Dynamics and Crystallization Study of Sildenafil in the Liquid and Glassy States***, *Mol. Pharm.*, 10 (6), 2270–2282
6. Wojnarowska Z., Kołodziejczyk K., Paluch K.J., Tajber L., Grzybowska K., Ngai K. L., Paluch M., 2013, ***Decoupling of conductivity relaxation from structural relaxation in protic ionic liquids and general properties***, *Phys Chem Chem Phys*, 15(23):9205-11
7. Hensel-Bielowka S., Sangoro J.R., Wojnarowska Z., Hawelek L., Paluch M., 2013, ***The behavior and origin of the excess wing in DEET (N,N-Diethyl-3-Methylbenzamide)***, *Phys Chem Chem Phys*, 15(23):9300-7
8. Paluch M., Wojnarowska Z., Hensel-Bielowka S., 2013, ***Heterogeneous Dynamics of Prototypical Ionic Glass CKN Monitored by Physical Aging***, *Phys Rev Lett* 110, 1
9. Wojnarowska Z., Wang Y., Sokolov A.P., Paluch M., 2012, ***Rheological studies of tautomerization kinetics in supercooled glibenclamide drug***, 2012, *Phys Rev E*, 86, 067104
10. Rozwadowski T., Massalska-Arodź M., Wojnarowska Z., Paluch M., Juszyńska J., Krawczyk J., 2012, ***Isothermal high-pressure studies of 4-cyano-3-fluorophenyl 4-butylbenzoate dynamics near room temperature***, *Phys Rev E*, 86, 5
11. Sawicki W., Lepek P., Włodarski K., Wojnarowska Z., Paluch M., Guzik L., 2012, ***Effect of amorphization method on telmisartan solubility and the tableting process***, *European Journal of Pharmaceutics and Biopharmaceutics*

12. Koperwas K., Grzybowski A., Grzybowska K., Wojnarowska Z., Pionteck J., Sokolov A.P., Paluch M., 2012, ***Pressure coefficient of the glass transition temperature in the thermodynamic scaling regime***, *Phys Rev E* 86, 041502
13. Wojnarowska Z., Paluch M., Włodarczyk P., Dulski M., Wrzalik R., Roland C.M., 2012, ***Tracking of Proton Transfer Reaction in Supercooled RNA Nucleoside***, *J. Phys. Chem. Lett.*, 3 (16), 2288–2292
14. Świety-Pospiech A., Wojnarowska Z., Pionteck J., Pawlus S., Grzybowski A., Hensel-Bielowka S., Grzybowska K., Szulc A., Paluch M., 2012, ***High pressure study of molecular dynamics of protic ionic liquid lidocaine hydrochloride***, *J. Chem. Phys.* 136, 224501
15. Wojnarowska Z., Świety-Pospiech A., Grzybowska K., Hawelek L., Paluch M., Ngai K., 2012, ***Fundamentals of Ionic Conductivity Relaxation Gained from Study of Procaine Hydrochloride and Procainamide Hydrochloride at Ambient and Elevated Pressure***, *J. Chem. Phys.* 28;136(16):164507
16. Wojnarowska Z., Roland C.M., Kolodziejczyk K., Świety-Pospiech A., Grzybowska K., Paluch M., 2012, ***Quantifying the Structural Dynamics of Pharmaceuticals in the Glassy State***, *J. Phys. Chem. Lett.*, 3 (10), 1238–1241
17. Wojnarowska Z., Grzybowska K., Hawelek L., Świety-Pospiech A., Masiewicz E., Paluch M., Sawicki W., Chmielewska A., Bujak P., Markowski J., 2012, ***Molecular Dynamics Studies on the Water Mixtures of Pharmaceutically Important Ionic Liquid Lidocaine HCl***, *Mol. Pharmaceutics*, 9 (5), 1250–1261
18. Kamiński K., Pawlus S., Adrjanowicz K., Wojnarowska Z., Włodarczyk P., Paluch M., ***The importance of the activation volume for the description of the molecular dynamics of glass-forming liquids***, 2012, *Journal of physics. Condensed matter*, 24, 6, 065105
19. Wojnarowska Z., Roland C.M., Świety-Pospiech A., Grzybowska K., Paluch M., 2012, ***Anomalous Electrical Conductivity Behavior at Elevated Pressure in the Protic Ionic Liquid Procainamide Hydrochloride***, *Phys. Rev. Lett.*, 108, 015701
20. Wojnarowska Z., Paluch M., Pionteck J., 2011, ***The tautomerization phenomenon of glibenclamide drug monitored by means of volumetric measurements***, *J. Chem. Phys.* 135, 214506
21. Adrjanowicz K., Wojnarowska Z., Grzybowska K., Hawelek L., Kamiński K., Paluch M., Kasprzycka A., Walczak K., 2011, ***Molecular dynamics and crystallization phenomenon of supercooled and glassy DNA and RNA nucleosides: β -adenosine, β -thymidine, and β -uridine***, *Phys. Rev. E*, 84, 051507
22. Włodarczyk P., Paluch M., Wojnarowska Z., Hawelek L., Kamiński K., Pilch J., 2011, ***Theoretical and experimental studies on the internal mobility of two sulfonylurea agents: glibenclamide and glimepiride***, *J. Phys. Condense. Matter*, 23, 42, 425901
23. Kamiński K., Adrjanowicz K., Wojnarowska Z., Dulski M., Wrzalik R., Paluch M., Kamińska E., Kasprzycka A., 2011, ***Do Intermolecular Interactions Control Crystallization Abilities of Glass Forming Liquids***, *J. Phys. Chem.* 115 (40), 11537–11547
24. Wojnarowska Z., Paluch M., Włodarczyk P., Hawelek L., Wrzalik R., Zióło J., Wyględowska-Kania M., Bergler-Czop B., Brzezinska-Wcisło L., Bujak P., 2011, ***Nanoscale***

- Domains with Nematic Order in supercooled Vitamin A acetate – molecular dynamics studies***, *Physical Review E* 83, 051502
25. Wojnarowska Z., Hawelek L., Paluch M., Sawicki W., Ngai K.L., 2011, ***Molecular dynamics at ambient and elevated pressure of the amorphous pharmaceutical: Nonivamide (pelargonic acid vanillylamide)***, *J Chem Phys.* 28, 134(4), 044517
 26. Kaminski K., Adrjanowicz K., Wojnarowska Z., Grzybowska K., Hawelek L., Paluch M., Zakowiecki D., Mazgalski J., 2011, ***Molecular dynamics of the cryomilled base and hydrochloride ziprasidones by means of dielectric spectroscopy***, *J. Pharm. Sci.* DOI: 10.1002/jps.22479
 27. Adrjanowicz K., Wojnarowska Z., Paluch M., Pionteck J., 2011, ***Thermodynamic Scaling of Molecular Dynamics in Supercooled Ibuprofen***, *J. Phys. Chem. B*, 2011, 115 (16), pp 4559–4567
 28. Kaminski K., Wlodarczyk P., Hawelek L., Adrjanowicz K., Wojnarowska Z., Paluch M., 2011, ***Comparative dielectric studies on two hydrogen-bonded and van der Waals liquids***, *Phys. Rev. E* 83, 061506
 29. Adrjanowicz K., Kaminski K., Paluch M., Wlodarczyk P., Grzybowska K., Wojnarowska Z., Hawelek L., Sawicki W., Lepek P., Lunio R., 2010, ***Dielectric relaxation studies and dissolution behavior of amorphous verapamil hydrochloride***, *J. Pharm. Sci.* 99, 2, 828–839
 30. Kaminski K., Kaminska E., Wlodarczyk P., Adrjanowicz K., Wojnarowska Z., Grzybowska K., Paluch M., 2010, ***Dynamics of the slow mode in the family of six-carbon monosaccharides monitored by dielectric spectroscopy***, *Journal of Physics: Condensed Matter*, 22, 36, 365103.
 31. Adrjanowicz K., Kaminski K., Wojnarowska Z., Dulski M., Hawelek L., Pawlus S., Paluch M., 2010, ***Dielectric Relaxation and Crystallization Kinetics of Ibuprofen at Ambient and Elevated Pressure***, *J. Phys. Chem. B*, 114, 19, 6579–6593
 32. Kaminski K., Wlodarczyk P., Adrjanowicz K., Kaminska E., Wojnarowska Z., Paluch., 2010, ***Origin of the Commonly Observed Secondary Relaxation Process in Saccharides***, *J. Phys. Chem. B*, 114, 34, 11272–11281
 33. Wojnarowska Z., Adrjanowicz K., Kaminski K., Hawelek L., Paluch M., 2010, ***Effect of pressure on tautomers equilibrium in supercooled glibenclamide drug - Analysis of fragility behavior***, *J. Phys. Chem. B* 25, 114(46):14815–20
 34. Wojnarowska Z., Wlodarczyk P., Kaminski K., Grzybowska K., Hawelek L., Paluch M., 2010, ***On the Kinetics of Tautomerism in Drugs - New Application of Broadband Dielectric Spectroscopy***, *J. Chem. Phys.* 133, 094507
 35. Wojnarowska Z., Grzybowska K., Adrjanowicz K., Kaminski K., Paluch M., Hawelek L., Wrzalik R., Dulski M., Sawicki W., Mazgalski J., Tukalska A., Bieg T., 2010, ***Study of the Amorphous Glibenclamide Drug: Analysis of the Molecular Dynamics of Quenched and Cryomilled Material***, *Mol. Pharmaceutics*, 7 (5), 1692–1707
IF: 4.416
 36. Grzybowska K., Paluch M., Grzybowski A., Wojnarowska Z., Hawelek L., Kolodziejczyk K., Ngai K., 2010, ***Molecular Dynamics and Physical Stability of Amorphous Anti-Inflammatory Drug: Celecoxib***, *J. Phys. Chem. B*, 114 (40), 12792–12801
 37. Kaminski K., Kaminska E., Adrjanowicz K., Wojnarowska Z., Wlodarczyk P., Grzybowska K., Dulski M., Wrzalik R., Paluch M., 2010, ***Dynamic of the clusters in D-glucose followed by dielectric spectroscopy***, *Phys. Chem. Chem. Phys.*, 12, 723 – 730

38. Wojnarowska Z., Grzybowska K., Grzybowski A., Paluch M., Kaminski K., Wlodarczyk P., Adrjanowicz K., Pionteck J., 2010, ***Study of molecular dynamics of pharmaceutically important protic ionic liquid – verapamil hydrochloride. II. Test of entropic models***, *J. Chem. Phys.* 132, 094506
39. Wojnarowska Z., Adrjanowicz K., Wlodarczyk P., Kaminska E., Kaminski K., Grzybowska K., Wrzalik R., Paluch M., Ngai K.L., 2009, ***Broadband dielectric relaxation study at ambient and elevated pressure of molecular dynamics of pharmaceutical: indomethacin***, *J Phys Chem B* 113,12536
40. Adrjanowicz K., Wojnarowska Z., Wlodarczyk P., Kaminski K., Paluch M., Mazgalski J., 2009, ***Molecular mobility in liquid and glassy states of Telmisartan (TEL) studied by Broadband Dielectric Spectroscopy***, *Eur. J. Pharm. Sci.* 38, 395
41. Wlodarczyk P., Kaminski K., Adrjanowicz K., Wojnarowska Z., Czarnota B., Paluch M., Ziolo J., 2009, ***Identification of the slower secondary relaxation's nature in maltose by means of theoretical and dielectric studies***, *J. Chem. Phys.* 131, 125103
42. Wojnarowska Z., Paluch M., Grzybowski A., Adrjanowicz K., Grzybowska K., Kaminski K., Wlodarczyk P., and Pionteck J., 2009, ***Study of molecular dynamics of pharmaceutically important protic ionic liquid-verapamil hydrochloride I. Test of thermodynamic scaling***. *J. Chem. Phys* 131, 104505

Prace pokonferencyjne i doniesienia zjazdowe:

1. T. Rozwadowski, M. Massalska-Arodź, E. Juszyńska, J. Krawczyk, Ż. Wojnarowska, M. Paluch, ***Dielectric Spectroscopy Studies of 4-Cyano-3-fluorophenyl 4-Butylbenzoate Liquid Crystal at High Pressure***, *Acta Physica Polonica A* , 2012, 122, 378 -381

Prace popularno-naukowe:

1. Wojnarowska Z., Wlodarczyk P., Paluch M., ***Broadband Dielectric Spectroscopy – a New Tool for the Investigation of Tautomerization and Mutarotation Phenomena in Organic Compounds***, *Dielectrics Newsletter* 25, July 2011, <http://www.novocontrol.de/newsletter/DNL25.pdf>

Zgłoszenia patentowe:

1. Wojnarowska Z., Paluch M., Grzybowska K., Hawelek L., Sawicki W., Baczek T., Pieńkowska K., ***Sposób otrzymywania amorficznego indapamidu***, nr zgłoszenia P.396354