ФАКУЛТЕТ ПО ХИМИЯ И ФАРМАЦИЯ на СУ „Св. Кл. Охридски”

Списък на публикациите в чуждестранни издания

2007 – 2012

1. V. T. Getova, I. N. Pantcheva, D. S. Ivanov, D. R. Mehandjiev, V. Skumryev, P. R. Bontchev, Copper(II) Complexes of the Antihypertensive Drug Nadolol, Centr. Eur. J. Chem. 5 (2007) 118-131.
2. R. B. Georgieva, P. K. Petrov, P.S. Dimitrov, D. L. Tsalev, “Observations on toxicologically-relevant arsenic in urine in adult offspring of families with Balkan Endemic Nephropathy and controls by batch hydride generation atomic absorption spectrometry”, Int. J. Environ. Anal. Chem. 87(9) (2007) 673–685.
3. I. B. Karadjova, L. Lampugnani, A. D’Ulivo, M. Onor, D. L. Tsalev, “Determination of lead in wine by hydride generation atomic fluorescence spectrometry in the presence of hexacyanoferrate(III)”, Anal. Bioanal. Chem. 388(4) (2007) 801–807.
4. I. Iliev, K. Dimitrov, I. Kuleff, E.Pernicka, Archaeometallurgical studies on Eneolitic copper artifacts from Northeastern Bulgaria, In: Proc. 2nd Int. Conf. “Archaeometallurgy in Europe”, Aquileia, Italy, 17-21 June, 2007.
5. G. Gencheva, D. Tsekova, G. Gochev, G. Momekov, G. Tyuliev, V. Skumryev, M. Karaivanova, P. Bontchev, Synthesis, structural characterization and cytotoxic activity of novel paramagnetic platinum hematoporphyrin IX complexes – potent antitumour agents, Metal-Based Drugs (2007) doi: 10.1155/007/67376.
6. I. Karadjova, P. Petrov, I. Serafimovski, T. Stafilov, D. Tsalev, Arsenic in Marine Tissues – the Challenging Problems to Electrothermal and Hydride Generation Atomic Absorption Spectrometry”, Spectrochim. Acta Part B 62 (2007) 258–268.
7. S. Bozhanov, I. Karadjova, S. Alexandrov, Determination of trace elements in the Lavender inflorescence (Lavandula angustifolia Mill.) – Lavender oil system”, Microchem. J. 86 (2007) 119–123.
8. A. Astel, S. Tsakovski, P. Barbieri, V. Simeonov, Comparison of Self-Organizing Maps Classification Approach with Cluster and Principal Components Analysis for Large Environmental Data Sets, Water Res. 41(19) (2007) 4566-4578.
9. V. Simeonov, Receptor Modeling of Air Contaminants, Ecol. Chem. Eng, 14(7) (2007) 669-691. 157. V. Simeonov, L. Wolska, A. Kuczynska, J. Gurwin, S. Tsakovski, J. Namiesnik, Chemometric Estimation of Natural Water Samples using Toxicity Tests and Physicochemical Parameters, Crit. Rev. Anal. Chem. 37(2) (2007) 81-90.
10. V. Simeonov, L. Wolska, A. Kuczynska, J. Gurwin, S. Tsakovski, M. Protasowicki, J. Namiesnik, Sediment-quality Assessment by Intelligent Data Analysis, TrAC 26(4) (2007) 323-331.
11. A. Papaioannou, V. Simeonov, P. Plageras, E. Dovriki, Th. Spanos, Multivariate Statistical Interpretation of Laboratory Clinical Data, Centr. Europ. J. Med, 2(3) (2007) 319-334.
12. K. Szczepaniak, A. Astel, V. Simeonov, S. Tsakovski, M. Biziuk, P. Bode, A. Przyjazny, Comparison of Dry and Living Sphagnum palustre Moss Samples in Determining their Biocumulative Capability as Biomonitoring Tools, J. Environ. Sci. Heal., Part A: Toxic/Hazardous Substances and Environmental Engineering 42(8) (2007) 1101-1115.
13. P. Simeonova, V. Simeonov, Multivariate Statistical Interpretation of Laboratory Clinical Data. Ecol. Chem. Eng. 14(2) (2007) 159-170.
14. I. Kuleff, T. Stoyanov, E. Pernicka, On the origin of stamped amphorae from Thracia (Bulgaria), Oxford J. Archaeology 26 (2007) 53-78.

15. I. Kuleff, R. Djingova, Archaeometric investigations at the University of Sofia (Bulgaria), Archaeometry 49 (2007) 245-253.
16. B. Ivanova, V. Simeonov, M. Arnaudov, D. Tsalev, Linear-dichroic infrared spectroscopy – validation and experimental design of the orientation technique as suspension in nematic liquid crystal, Spectrochim Acta, Part A 67 (2007) 66.
17. B. B. Ivanova, Gold(III) complex of caffeine – synthesis, isolation and spectroscopic characterization, Turkish J. Chem. 31 (2007) 97.
18. B. Ivanova, T. Kolev, R. Bakalska, Linear-dichroic infrared spectral (IR-LD) analysis of codeine and its derivatives, Spectrochim. Acta, Part A 67 (2007) 196.
19. T. Kolev, B. B. Koleva, M. Spiteller, Spectroscopic and theoretical characterization of hydrogensquarates of L-threonyl-L-serine and L-serine. Prediction of structures of the neutral and protonated forms of the dipeptide, Amino Acids 33(4), (2007) 719.
20. B. B. Koleva, Solid-state linear-polarized IR-spectroscopic characterization of L-methionine, Vibr. Spectroscopy 44 (2007) 30.
21. B. B. Koleva, Ts. Kolev, M. Spiteller, Mononuclear Au(III)-complexes with tryptophan-containing dipeptides: synthesis, spectroscopic and structural elucidation, Inorganica Chimica Acta 360 (2007) 2224.
22. T. Kolev, B. B. Koleva, M. Spiteller, W. S. Sheldrick, H. Mayer-Figge, 2-amino-4-nitroaniline, a known compound with unexpected properties, J. Phys. Chem., Part A 111(49) (2007) 10084.
23. B. B. Koleva, T. Kolev, St. Todorov, Structural and spectroscopic analysis of dipeptide methionyl-glycine and its hydrochloride, Chemical Papers 61(6) (2007) 490.
24. B. B. Koleva, T. Kolev, M. Spiteller, Spectroscopic and structural elucidation of L-tyrosine-containing dipeptides valyl-tyrosine and tyrosyl-alanine: solid-state IR-LD spectroscopy, quantum chemical calculations and vibrational analysis, Spectrochim. Acta 68A (2007) 1187.
25. B. B. Koleva, T. Tsanev, T. Kolev, H. Mayer-Figge, W. Sheldrick, 3,4-diaminopyridinium hydrogensquarate, Acta Cryst. E63 (2007) o3356.
26. T. Kolev, B. Koleva, R. Seidel, M. Spitreller, W. Sheldrick, Cyclohexylammonium hydrogensquarate semihydrate, Acta Cryst.. E63(12) (2007) o4852.
27. G. Ahmed, B. Koleva, S. Gutzov, I. Petkov, Experimental and theoretical spectral properties of ethyl 2-(7-hydroxy-2-oxo-2H-chromen-4-yl)-acetate doped sol-gel materials: new materials with potential optical application, J. Incl. Phenom. Macroc. Chem. 59(1-2) (2007) 167-176.
28. I. Dakova, I. Karadjova, I. Ivanov, V. Georgieva, B. Evtimova, G. Georgiev, Solid Phase Selective and Precontration of Cu(II) by Cu(II)-Imprinted Polymethacrylic Microbeads Anal. Chim. Acta 584 (2007) 196-203.
29. D. S. Todorovsky, M. M. Getsova, M. M. Milanova, M. Kakihana, N. L. Petrova, M. G. Arnaudov, V. G. Enchev, The chemistry of the processes involved in the production of lanthanide titanates by the polymerized complex method, Can. J. Chem. 85(7-8) (2007) 547-559.
30. P. A. Kralchevsky, K. D. Danov, C. I. Pishmanova, S. D. Kralchevska, N. C. Christov, K. P. Ananthapadmanabhan, A. Lips, Effect of the Precipitation of Neutral-Soap, Acid-Soap and Alkanoic-Acid Crystallites on the Bulk pH and Surface Tension of Soap Solutions, Langmuir 23 (2007) 3538-3553.

31. N. Vankova, S. Tcholakova, N. D. Denkov, I. B. Ivanov, V. D. Vulchev, T. Danner, Emulsification in Turbulent Flow: 1. Mean and Maximum Drop Diameters in Inertial and Viscous Regimes, J. Coll. Interface Sci. 312 (2007) 363-380.
32. N. Vankova, S. Tcholakova, N. D. Denkov, V. D. Vulchev, T. Danner, Emulsification in Turbulent Flow: 2. Breakage Rate Constants, J. Colloid Interface Sci. 313 (2007) 612-629.
33. S. Tcholakova, N. Vankova, N. D. Denkov, T. Danner, Emulsification in Turbulent Flow: 3. Daughter Drop-Size Distribution, J. Colloid Interface Sci. 310 (2007) 570-589.
34. E. S. Basheva, P. A. Kralchevsky, K. D. Danov, K. P. Ananthapadmanabhan, and A. Lips, The Colloid Structural Forces as a Tool for Particle Characterization and Control of Dispersion Stability, Phys. Chem. Chem. Phys. 9 (2007) 5183-5198.
35. V. K. Badam, V. Kumar, F. Durst, K. D. Danov, Experimental and Theoretical Investigations on Interfacial Temperature Jumps during Evaporation, Exp. Thermal and Fluid Sci. 32 (2007) 276-292.
36. I. B. Ivanov, K. G. Marinova, K. D. Danov, D. Dimitrova, K. P. Ananthapadmanabhan and A. Lips, Role of the Counterions on the Adsorption of Ionic Surfactants, Adv. Coll. Interface Sci. 134-135 (2007) 105-124.
37. K. D. Danov, D. K. Danova, P. A. Kralchevsky, Hydrodynamic Forces Acting on a Microscopic Emulsion Drop Growing at a Capillary Tip in Relation to the Process of Membrane Emulsification, J. Colloid Interface Sci. 316(2) (2007) 844-857.
38. M. P. Boneva, N. C. Christov, K. D. Danov, P. A. Kralchevsky, Effect of Electric-Field-Induced Capillary Attraction on the Motion of Particles at an Oil–Water Interface, Phys. Chem. Chem. Phys. 9(48) (2007) 6371-6384.
39. T. Spassov, S. Todorova, W. Jung, A. Borissova, "Hydrogen sorption properties of ternary intermetallic Mg–(Ir,Rh,Pd)–Si compounds", J. Alloys Comp. 429 (2007) 306-310.
40. A. Revesz, D. Fatay, T. Spassov, "Microstructure and hydrogen sorption kinetics of Mg nanopowders with catalyst", J. Alloys Comp. 434-435 (2007) 725-728.
41. A. Borissova, S. Bliznakov, T. Spassov, "Electrochemical hydrogen insertion in Mg-La(Mm)Ni5 nanocomposites", J. Alloys Comp. 434-435 (2007) 760-763.
42. B. Abrashev, S. Bliznakov, T. Spassov, A. Popov, "Electrochemical hydriding of nanocrystalline TiFe alloys", J. Appl. Electrochem. 37 (2007) 871-875.
43. B. Drenchev, T.Spassov, "Electrochemical hydriding of amorphous and nanocrystalline TiNi-based alloys", J. Alloys Comp. 441 (2007) 197-201.
44. L. Pramatarova, E. Pesheva, S. Stavrev, T. Spassov, P. Montgomery, A. Toth, M. Dimitrova, M. Apostolova, "Artificial bones trough nanodiamonds", J. Optoel. Adv. Mater. 9(1) (2007) 236-239.
45. D. Fatay, T. Spassov, P. Delchev, G. Ribarik, A. Revesz, "Microstructural development in nanocrystalline MgH2 during H-absorption/desorption cycling", Int. J. Hydrogen Energy 32 (2007) 2914-2919.
46. M. Khristova, B. Ivanov, I. Spassova, T. Spassov, "NO Reduction with CO on Copper and Ceria Oxides Supported on Alumina", Catalysis Lett. 119(1-2) (2007) 79-86.
47. A.Revesz, D. Fatay, T. Spassov, "Hydriding kinetics of ball-milled nanocrystalline MgH2 powders", J. Mater. Research 22(11) (2007) 3144-3151.
48. L. Pramatarova, R. Dimitrova, E. Pecheva, T. Spassov, M. Dimitrova, "Peculiarities of hydroxyapatite/nanodiamond composites as novel implants", J. Phys.: Conference Series 93 (2007) 012049

49. L. Terziev, J. Lecomte, „Tchoufang Mesure de l'austenite residuele des envelopes de cylindres de laminoir de type ICDP par diverses techniques (dilatometrie, magnetoscopie, diffraction X, Mosbauer)", Compte rendu - Université de Liège 76 (2007) 32.
50. J. Ninov, V. Kostov, "Possibility of Deposition of Stabilized Soil Covers on Mine Dumps for Sulfide Ore Waste", Rudy i Metale Niezelazne, 52(7) (2007) 398-402.
51. B. Radoev, K. W. Stöckelhuber, R. Tsekov, P. Letocart, Wetting film dynamics and stability, Colloids Interface Sci Ser 3 (2007) 151.
52. R. Tsekov, O. I. Vinogradova, Electro-osmotic equilibrium for a semi-permeable shell filled with a solution of polyions, J Chem. Phys. 126 (2007) 094901.
53. R. Tsekov, Ferroelectric phase transitions near ionic liquid/vacuum interfaces, J. Chem. Phys. 126 (2007) 191110.
54. B. S. Kim, V. Lobaskin, R. Tsekov, O. I. Vinogradova, Dynamics and stability of dispersions of polyelectrolyte-filled multilayer microcapsules, J. Chem. Phys. 126 (2007) 244901.
55. R. Tsekov, Comment on 'Semiclassical Klein–Kramers and Smoluchowski equations for the Brownian motion of a particle in an external potential, J. Phys. A Math. Theor. 40 (2007) 10945.
56. R. Tsekov, O. I. Vinogradova, Charged semi-permeable shell with encapsulated polyions, Macromol. Symp. 252 (2007) 149.
57. B. Radoev, K.W. Stoeckelhuber, R. Tsekov, P. Letocart, Wetting Film Dynamics and Stability, In.: T.F. Tadros (Ed.) Colloid Stability and Application in Pharmacy. Colloid and Interface Science Series. 2007, Vol. 3. Wiley-VCH, Weinheim, , pp. 151-172.
58. V. S. Ajaev, R. Tsekov, O. I. Vinogradova, The wimple: a rippled deformation of a wetting film during its drainage, Phys. Fluids 19 (2007) 061902.
59. V. Halka, R. Tsekov, I. Mechdiev, W. Freyland, Order-disorder transition at the liquid/vapor interface of imidazolium based ionic liquids: a surface light scattering study, Z. Phys. Chem. 221 (2007) 549.
60. S. I. Karakashev, A. V. Nguyen, Effect of sodium dodecyl sulphate and Dodecanol mixtures on foam film drainage: Examining influence of surface rheology and intermolecular forces", Coll. & Surfaces A 293(1-3) (2007) 229-240.
61. S. I. Karakashev, A. V. Nguyen, E. D. Manev, A novel technique for improving interferometric determination of emulsion film thickness by digital filtration, J. Coll. Interface Sci. 306(2) (2007) 449-453.
62. I. Baranovska, A. Tafrova, Les problèmes de l'enseignement de la chimie en langue étrangère aux étudiants bulgares, Dans: Buletin ştinţific – Français sur objectifs spécifiques – aquis et perspectives,(Ed. C.S. Stoean,N. Ivanciu, R. Capot -Stanciu, A. Lorentz). ă Editura ASE, Bucarest, (2007) pp. 139-147
63. V. Dimitrova, A. Tafrova, S. Manev, Man and Nature, 5th form, Chemistry Module Teacher Training Courses. In Proceedings of the International Scientific Conference, Vol. 1, Mathematics and Natural Sciences (2007) 180-184
64. S. Gutzov, M. Bredol, Optical properties of cerium and terbium doped silica xerogels, J. Mat. Sci. Lett. 41 (2006) 1835-1837.
65. S. Gutzov, M. Lerch, Nitrogen incorporation into pure and doped zirconia, Ceramics Intern. 33 (2007) 147-150.
66. S. Gutzov, A. Börger, K. D. Becker, High temperature optical spectroscopy of cubic holmium doped zirconia, Zr0.78Y0.21Ho0.01O1.90, Phys. Chem. Chem. Phys. 9 (2007) 491-496.
67. R. Slavchov, Rz. Ivanov, B. Radoev, Screened potential of a charged step defect on a semiconductor surface, J. Phys.: Condens. Matter 19 (2007) 226005.

68. M. Nedyalkov, L. Alexandrova, D. Platikanov, B. Levecke, Th. Tadros, Wetting Films on a Hydrophilic Silica Surface Obtained from Aqueous Solutions of Hydrophobically Modified Inulin Polymeric Surfactant, Colloid & Polymer Science 285 (2007) 1713-1717.
69. M. Nedyalkov, C. Sultanem, J.-J. Benattar. Contact Angles of Protein Black Foam Films under Dynamic and Equilibrium Conditions. Centr. Eur. J. Chem. 5 (2007) 748-765.
70. H. Zhekova, A. Tadjer, A. Ivanova, J. Petrova, N. Gospodinova, Theoretical Study on the Structure and Electronic Spectra of Fully Protonated Emeraldine Oligomers, Int. J. Quant. Chem. 107 (2007) 1688-1706.
71. A. Tadjer, A. Ivanova, Y. Velkov, S. Tzvetanov, M. Gotsev, B. Radoev, Exploratory Study of Dielectric Properties of Insoluble Monolayers: Molecular Models, Int. J. Quant. Chem. 107 (2007) 1719-1735.
72. Zh. Velkov, Y. Velkov, E. Balabanova, A. Tadjer, First Principles Study on the Structure of Conjugated Amides and Thioamides, Int. J. Quant. Chem. 107 (2007) 1765-1771.
73. N. Tyutyulkov, N. Drebov, A. Staykov, A. Tadjer, A New Class of Non-Kekule Radical Polymethines: Theoretical Study, Int. J. Quant. Chem. 107 (2007) 1396-1404.
74. F. Dietz, N. Drebov, N. Tyutyulkov, A Class of Non-Kekulee Molecules with Low Excitation Energies, Z. Naturforschung - Section B J. Chem. Sci. 62 (2007) 1433-1436.
75. N. Gospodinova, S. Dorey, A. Ivanova, H. Zhekova, A. Tadjer, Evidence for Generation of Delocalized Polarons in Conducting Polyaniline: a Raman Scattering Spectroscopy Approach, Int. J. Polym. Anal. Charact. 12 (2007) 251-271.
76. Z. Velkov, E. Balabanova, A. Tadjer, Radical Scavenging Activity Prediction of o-Coumaric Acid Thioamide, J. Molec. Struct. THEOCHEM 821 (2007) 133-138.
77. Z. Velkov, M. Kolev, A. Tadjer, Modeling and Statistical Analysis of DPPH Scavenging Activity of Phenolics, Collect. Czech. Chem. Commun. 72 (2007) 1461–1471.
78. F. Fratev, E. Mihayova, A. Tadjer, E. Benfenati, Study of Species-specific Carcinogenicity of Benzene Derivatives 1. Combination of CoMFA and GRID Analysis, Oxid. Commun. 30 (2007) 891-911.
79. F. Fratev, E. Mihayova, A. Tadjer, E. Benfenati, Study of Species-specific Carcinogenicity of Benzene Derivatives 2. Combination of Docking and Local Binding Energy (LBE) Analysis, Oxid. Commun. 30 (2007) 912-926.
80. A. Ivanova, G. Jezierski, E. Vladimirov, N. Rösch, Structure of Rhodamine 6G-DNA Complexes from Molecular Dynamics Simulations, Biomacromolecules 8 (2007) 3429-3438.
81. A. Ivanova, N. Rösch, The Structure of LNA:DNA Hybrids from Molecular Dynamics Simulations: The Effect of Locked Nucleotides, J. Phys. Chem. A 111 (2007) 9307-9319.
82. C. Stubenrauch, D. Langevin, D. Exerowa, E. Manev, P. M. Claesson, L. B. Boinovich, R. v. Klitzing, Comment on "Hydrophobic Forces in the Foam Films Stabilized by Sodium Dodecyl Sulfate: Effect of Electrolyte" and Subsequent Criticism, Langmuir 23 (2007) 12457-12460
83. . J. Angarska, C. Stubenrauch, E. Manev, Drainage of foam films stabilized with mixtures of non-ionic surfactants, Colloids and Surfaces A: Physicochem. Eng. Aspects 309 (2007) 189–197.
84. A. Gendjova, Enhancing Students' Interest in Chemistry By Home Experiments, JBSE 6(3) (2007) 5-15.
85. B. V. Toshev, Metastability and Lability in Surface Phase Transitions: Surface Forces and Line Tension Effects, In.: T.F. Tadros (Ed.) Colloid Stability. Volume 1. The Role of Surface Forces – Part 1. Wiley-VCH, Weinheim, 2007, 420 pp. ISBN 978-3-527-31462-1 (pp. 335-352).

86. B. V. Toshev, Reflections on Dimo Platikanov in Commemorating His 70th Birthday, Adv. Colloid Interface Sci. 132 (2007) 47-50.
87. B. V. Toshev, A New Theory for Barrier-Less Heterogeneous Condensation, Areevu – Get Scienced 13 April 2007, p. 1-3.
88. K. Balashev, N. J. Di Nardo, Th. H.Callisen, A. Svendsen, T. Bjornholm, Atomic force microscope visualization of lipid bilayer degradation due to action of phospholipase A2 and Humicola lanuginosa lipase, Biochem. Biophys. Acta 1768 (2007) 90–99.
89. G. Reiter, I. Botiz, L. Graveleau, N. Grozev, K. Albrecht, A. Mourran, M. Möller, Morphologies of Polymer Crystals in Thin Films, Lecture Notes in Physics 714 (2007) 179-200.
90. G. Yordanov, E. Adachi, C. D. Dushkin, "Characterization of CdS nanoparticles during their growth in paraffin hot-matrix", Materials Characterization 58, (2007) 267-274.
91. G. Tzvetkov, N. Schmidt, T. Strunskus, Ch. Wöll, R. Fink, Molecular adsorption and growth of naphthalene films on Ag(100), Surface Sci. 601 (2007) 2089–2094.
92. P. Kovacheva, N. Minkova, D. Todorovsky, D. Radev, Mechanochemistry of the 5f-elements compounds. 2. Mechanochemically induced change in coordination mode of UO2(CH3COO)2.2H2O, J. Radioanal. Nucl. Chem. 274(3) (2007) 465-471.
93. P. Kovacheva, N. Minkova, D. Radev, D. Todorovsky, Mechanochemistry of the 5f-elements compounds. 3. Mechanochemically stimulated formation of nitrosyl uranyl nitrate, J. Radioanal. Nucl. Chem. 274(3) (2007) 473-479.
94. P. Kovacheva, D. Todorovsky, D. Radev, N. Minkova. Mechanochemistry of the 5f-elements compounds. 4. Mechanochemistry of uranium (IV and VI) oxides, J. Radioanal. Nucl. Chem. 274(3) (2007) 481-490.
95. Department of Inorganic and Analytical Chemistry, Department of Inorganic Chemistry. Bibliography (1891-2004). Compilers: A. Bojinova, Sv. Vankova, B. Donkova, Sn. Dochevska, G. Ivanova, T. Ivanova, P. Kovacheva, V. Mavrodiev, V. Pelova, D. Todorovsky. Edts. D. Todorovsky, B. Donkova, Yu. Ivanova., St. Kl. Ohridski Univ. Press., Sofia, (2007), pp. 212 (in Bulg.and Engl.). ISBN 978-954-07-2499-7.
96. M. Uzunova, M. Kostadinov, J. Georgieva, C. Dushkin, D. Todorovsky, N. Philippidis, I. Poulios, S. Sotiropoulos, Photoelectrochemical characterization and photocatalytic activity of composite La2O3-TiO2 coatings on stainless steel, Appl. Catal. B 73 (2007) 23-33.
97. S. Emin, P. Denkova, K. Papazova, C. Duskin, E. Adachi, Study of reverse micelles of di-isobutylphenoxyethoxyethyldimethylbenzyammonium metacrylate in benzene by nuclear magnetic resonance spectroscopy, J. Coll. Interface Sci. 305 (2007) 133-141.
98. D. Tz. Dimitrov, C. D. Dushkin, N. L. Petrova, R. V. Todorovska, D. S. Todorovsky, S. Y. Anastasova, D. H. Oliver, Oxygen detection using junctions based on thin films of yttria-stabilized zirconia doped with platinum nanoparticles and pure yttria-stabilized zirconia, Sens. Actuators A Phys. 137 (2007) 86-95.
99. M. Getsova, D. Todorovsky, V. Enchev, I. Wawer, Cerium (III/IV) and cerium (IV)-titanium (IV) citric complexes prepared in ethylene glycol medium, Monats. Chemie 138 (2007) 389-401.
100. K. A. Temelkov, N. K. Vuchkov, B. L. Pan, N. V. Sabotinov, B. Ivanov, L. Lyutov. Strontium bromide vapor laser excited by nanosecond pulsed longitudinal discharge. In: Proc. of SPIE (14th School on Quantum Electronics: Laser Physics and Applications), P. A. Atanassov et. all. (Eds.), 6604(10) (2007) pp.1-5.

101. D. Todorovsky, R. Todorovska, M. Milanova, D. Kovacheva. Deposition and characterization of La2Ti2O7 thin films via spray pyrolysis process. Appl. Surf. Sci. 253 (2007) 4560-4565.
102. S. Anastasova, M. Milanova, I. Manolov, T. Czeppe, D. Todorovsky, Thermochemical behavior of Ru (II) complex - SiO2 microcomposites, Bull. Mater. Sci. 30 (2007) 511-520.
103. M. I. Kandinska, I. S. Todorov, B. Shivachev, M. G. Bogdanov, Trans-(±)-2-hexyl-1-oxo-3-(2-pyridyl)-1,2,3,4-tetrahydroisoquinoline-4-carboxilic acid, Acta Cryst. Section E 63 (2007) o2544-o2546.
104. S. Ö. Yildirim, M. Akkurt, M. Bogdanov, M. Kandinska, C. Kazak, (±)-Methyl 1-oxo-1H-spiro[benzo[c]pyran-3(4H),1'-cyclohexane]-4-carboxylate, Acta Cryst. Section E 63 (2007) o1321-o1323.
105. M. G. Bogdanov, M. I. Kandinska, D. B. Dimitrova, B. T. Gocheva, M. D. Palamareva, Preliminary Evaluation of Antimicrobial Activity of Diastereomeric cis/trans-3-Aryl(Heteroaryl)-3,4-dihydroisocoumarin-4-carboxylic Acids, Z. Naturforsch. 62c, 477P482 (2007) 477-482.
106. N. Halatcheva, P. Hadjieva, Y. Ganeva, T. Sheitanova, M. Kaisheva, S. Stankova, N. Ninyo, G. Pace, R. Seraglia, P. Traldi."GC/MS analysis of Bulgarian Crataegus oxycantha flowers, leaves and fruits ethanol extracts", Asian J. Spectrosc. 11 (2007) 105-114.
107. M. Shor, E. A. Ivanova Shor, V. A. Nasluzov, G. N. Vayssilov, N. Rösch, First Hybrid Embedding Scheme for Polar Covalent Materials Using an Extended Border Region to Minimize Boundary Effects on the Quantum Region, J. Chem. Theory Comput. 3 (2007) 2290-2300.
108. G. P. Petrova, G. N. Vayssilov, N. Rösch, Density Functional Study of Hydrogen Adsorption on Tetrairidium Supported on Hydroxylated and Dehydroxylated Zeolite Surfaces, J. Phys. Chem. C 111 (2007) 14484-14492.
109. G. P. Petrova, G. N. Vayssilov, N. Rösch, Density Functional Modeling of Reverse Hydrogen Spillover on Zeolite-Supported Tetrairidum Clusters, Chem. Phys. Lett. 444 (2007) 215-219.
110. E. A. Ivanova Shor, V. A. Nasluzov, A. M. Shor, G. N. Vayssilov, N. Rösch, Reverse Hydrogen Spillover onto Zeolite-Supported Metal Clusters: An Embedded Cluster Density Functional Study of Models M6 (M = Rh, Ir, Au), J. Phys. Chem. C 111 (2007) 12340-12351.
111. E. Ivanova, M. Mihaylov, H. A. Aleksandrov, M. Daturi, F. Thibault-Starzyk, G. N. Vayssilov, N. Rösch, K. I. Hadjiivanov, Unusual Carbonyl-Nitrosyl Complexes of Rh2+ in Rh-ZSM-5: A Combined FTIR Spectroscopy and Computational Study, J. Phys. Chem. C 111 (2007) 10412-10418.
112. N. I. Petkova, R. D. Nikolova, A. G. Bojilova, G. N. Vayssilov, Influence of BH3 and alkaline cation released from the reduction agent on a tandem reduction/acylation reaction - a computational study, Intern. J. Quantum Chem. 107 (2007) 1814-1825.
113. P. Petkov, G. Vayssilov, S. Krüger, N. Rösch, Influence of Single Impurity Atoms on the Structure, Electronic, and Magnetic Properties of Ni5 Clusters, J. Phys. Chem. A 111 (2007) 2067-2076.
114. M. G. Bogdanov, Y. N. Mitrev, I.V. Svinyarov, Ch.E. Palamarev, M. D. Palamareva, Automatic selection of mobile phases. VII. Thin-layer chromatography on silica and alumina of 11,12-disubstituted trans/cis-11,12-dihydro-6H-dibenzo[c,h]chromen-6-ones, J. Liq. Chrom. Rel. Techn. 30(15) (2007) 2155-2169.
115. M. Akkurt, S.O. Yildirim, M. G. Bogdanov, Y. N., Mitrev, F.W. Heinemann, Methyl 2-[(1-oxo-1H-isochromen-3-yl)methyl]benzoate, Acta Cryst. Section E: Structure Reports Online, 63(6) (2007) o2824.

116. M. G. Bogdanov, B.T. Gocheva, D.B. Dimitrova, M. D. Palamareva, New isochromans. 1. Synthesis and antimicrobial activity of 4-substituted (±)-1H-spiro[benzo[c]pyran-3(4H),1′-cyclohexane]-1-ones, J. Heterocyclic Chem. 44(3) (2007) 673-677.
117. D. Tasheva, A. Petrova, S. Simova, Convenient synthesis of some substituted 5-oxonitriles under aqueous conditions: Synthesis of 3,4-dihydro-2H-pyrrole-2-carbonitriles, Synth. Commun. 37 (2007) 3971.
118. S. S. Stanimirov, G. B. Hadjichristov, I. K. Petkov, Emission efficiency of diamine derivatives of tris[4,4,4-trifluoro-1-(2-thienyl)-1,3-butanediono]europium, Spectrochim. Acta Part A: Mol. Biomol. Spectroscopy 67 (2007) 1326-1333.
119. A. Petinova, S. Metsov, I. Petkov, S. Stoyanov, Photophysical properties of some 2-styrylindolium dyes in aqueous solutions and in the presence of cyclodextrins, J. Incl. Phenom. Macrocycl. Chem. 59 (2007) 183–190.
120. I. Sergiev, D. Todorova, M. Somleva, V. Alexieva, E. Karanov, E. Stanoeva, V.Lachkova, M. Hall, Influence of cytokinins and novel cytokinin antagonists on the senescence of detached leaves of Arabidopsis thaliana, Biologia Plantarum 51(2) (2007) 377-380.
121. T. Deligeorgiev, A. Vasilev, K.-H. Drexhage, Synthesis of novel monomeric cyanine dyes containing 2-hydroxypropyl and 3-chloro-2-hydroxypropyl substituents – Noncovalent labels for nucleic acids, Dyes and Pigments 73(1) (2007) 69-75.
122. T. Deligeorgiev, N. Gadjev, A. Vasilev, K-H. Drexhage, S.M. Yarmoluk, Synthesis of novel monomeric cyanine dyes containing mercapto and thioacetyl substituents for nucleic acid detection, Dyes and Pigments 72(1) (2007) 28-32.
123. T. Deligeorgiev, A. Vasilev, T. Tsvetkova, K.-H. Drexhage, Synthesis of novel monomeric asymmetric tri- and tetracationic monomethine cyanine dyes as fluorescent non-covalent nucleic acid labels, Dyes and Pigments 75(3) (2007) 658-663.
124. T. G. Deligeorgiev, N. I. Gadjev, A. A. Vasilev, V. A. Maximova, I. I. Timcheva, H. E. Katerinopoulos, G. K. Tsikalas, Synthesis and properties of novel asymmetric monomethine cyanine dyes as non-covalent labels for nucleic acids, Dyes and Pigments 75(2) (2007) 466-473.
125. T. Deligeorgiev, A. Vasilev, K.-H. Drexhage, Synthesis of novel cyanine dyes containing carbamoylethyl component – Noncovalent labels for nucleic acids detection, Dyes and Pigments 74(2) (2007) 320-328.
126. T. Deligeorgiev, A. Vasilev, J. J. Vaquero, J. Alvarez-Builla, A Green Synthesis of Isatoic Anhydrides from Isatins with Urea-Hydrogen Peroxide Complex and Ultrasound, Ultrasonics Sonochemistry 14 (2007) 497-501.
127. V. M. Ioffe, G. P. Gorbenko, T. Deligeorgiev, N. Gadjev, A. Vasilev, Fluorescence study of protein–lipid complexes with a new symmetric squarylium probe, Biophys. Chem, 128 (2007) 75-86.
128. A. Fürstenberg, T. G. Deligeorgiev, N. I. Gadjev, A. A. Vasilev, E. Vauthey, Structure-Fluorescence Contrast Relationship in Cyanine DNA Intercalators: Toward Rational Dye Design, Chemistry - A European Journal 13(30) (2007) 8600-8609.
129. A. Kamenova, M. Harrass, B. Lehmann, K. Friedrich, I. Ivanov, G. S. Georgiev, Swelling of the zwitterionic copolymer networks and dehydration of their hydrogels, Macromolecular Symposia, REACT 2007 (2007).
130. Ch. Smilkov, E. Vassileva, A. Apostolov, Ch. Betchev, G. S. Georgiev, Gelatin/Polysulfobetaine Interpenetrating Networks: Thermomechanical Characterization and Structural Peculiarities, In: Proceeding of "Deformation und Bruchverhalten von Kunststoffen" (II. Tagung) meeting, June 2007.

131. E. Kamenska, B. Kostova, I. Ivanov, D. Rachev, G. Georgiev, Emulsifier-free emulsion copolymerization of vinyl acetate and 3-dimethyl(methacryloyloxyethyl)ammonium propane sulfonate and swelling behavior of their copolymer matrices, Macromol.React. Eng 1(5), (2007) 553-562.
132. M. Christova, L. Christov, M. S. Dimitrijević, On the Broadening of Spectral Lines in Surface Wave Discharges, In: Spectral Line Shapes in Astrophysics – VI Serbian Conference (VI SCSLSA), ed. by L. Č. Popović and M. S. Dimirtijević, American Institute of Physics, (2007) p. 229
133. M. Christova, L. Christov, N. Andreev, Calculation of Shift of Argon Lines by Elastic Collisions Emitter-Neutral Atoms, In: Spectral Line Shapes in Astrophysics – VI Serbian Conference (VI SCSLSA), L. Č. Popović, M. S. Dimirtijević (Eds.) American Institute of Physics (2007) 268.
134. S. Slavov, M. Atanassova, B. Galabov, QSAR Analysis of the Anticancer Activity of 2,5-Disubstituted 9-Aza-Anthrapyrazoles, QSAR & Comb. Sci. 26 (2007) 173.
135. M. Atanasova, S. Ilieva, B. Galabov, QSAR Analysis of 1,4-Dihydro-4-oxo-1-(2-thiazolyl)- naphthyridines with Anticancer Activity, Eur. J. Med. Chem. 42 (2007) 1184.
136. J. Popova, M. Christov, A. Vasilev, Inhibitive properties of quaternary ammonium bromides of N-containing heterocycles on acid mild steel corrosion. Part I: Gravimetric and voltammetric results, Corrosion Science 49 (2007) 3276–3289.
137. A. V. Yudintsev, V. M. Trusova, G. P.Gorbenko, T. Deligeorgiev, A.Vasilev. Partititioning of Eu(III) coordination complexes into lipid bilayer Biophys. Bull. 19(2) 2007.
138. J. Popova, M. Christov, A. Vasilev, Inhibitive properties of quaternary ammonium bromides of N-containing heterocycles on acid mild steel corrosion. Part II: EIS results, Corrosion Science 49 (2007) 3290–3302.
139. A. Apostolov, M. Evstatiev, K. Friedrich, S. Fakirov, Effect of composition on transcrystallization with reorientation of polypropylene in drawn PET/PP blend, J. Matter. Sci. 42 (2007) 1245-1250.
140. K. Friedrich, J. Hoffmann, M. Evstatiev, Ye Lin; M. Y. Wing, Improvements of stiffness and strength of bio−resorbable bone nails by the MFC−concept, Key Engineering Materials (Pt. 2, Advances in Composite Materials and Structures) 334−335 (2007) 1181−1184.
141. Angelov, S Wiedmer, M. Evstatiev, K. Friedrich, Pultrusion of a flax / polypropylene yarn, Composites Part A38 (2007) 1431-1438.
142. S. Siengchin, J. Karger-Kocsis, A. A. Apostolov, R. Thomann, Polystyrene-Fluorohectorite nanocomposites Prepared by Melt Mixing With and Without Latex Precompounding: Structure and Mechanical properties, J. Appl. Polym. Sci.106 (2007) 248.
143. N. Avramova, J. Appl. Polym. Sci., 106 (2007) 122-129.
144. S. Bogdanova, N. Avramova, E. Boncheva, Drug Developm. Industr. Pharm. 33 (2007) 900-906.
145. Y. Ivanova G. Momekov, O. Petrov, M. Karaivanova, V. Kalcheva, Cytotoxic Mannich bases of 6-(3-aryl-2-propenoyl)-2(3H)-benzoxazolones, Eur. J. Med. Chem. 42 (2007) 1382-1387.
146. A. D. Popova, M. K. Georgieva, O. I. Petrov, K. V. Petrova, E. A. Velcheva, IR spectral and structural studies of 4-aminobenzenesulfonamide (sulfanilamide)-d0, -d4, and -15N, as well as their azanions: Combined DFT B3LYP/experimental approach, Int. J. Quantum. Chem. 107 (2007) 1752-1764.
147. O. I. Petrov, Y. Ivanova, M. Gerova, K. Petrova, 3-(2-Oxopropyl)-2(3H)-benzoxazolone, Molbank (2007) M552.

148. A. Petinova, S. Metsov, I. Petkov, S. Stoyanov, Photophysical behaviours of some 2-styrylindolium dyes in aqueous solutions and in the presence of cyclodextrins, J. Incl. Macrocycl. Chem. 59 (2007) 183-190.
149. А. В. Юдонцев, В. М. Трусова, Г. П. Горбенко, Т. Делигеоргиев, А. Василев, Н. Гаджев, Влияние координационных комплексов европия на степень гидратации модельных мембран, Состояние воды в биологических и модельных системах. Тверъ (2007) 76-77.
150. P. Dorkov, I. N. Pantcheva, W. S. Sheldrick, H. Meyer-Figge, R. Petrova, M. Mitewa, Synthesis, Structure and Antimicrobial Activity of Manganese(II) and Cobalt(II) Complexes of the Polyether Ionophore Antibiotic Sodium Monensin A, J. Inorg. Biochem. 102 (2008) 26-32.
151. I. N. Pantcheva, M. Mitewa, W. S. Sheldrick, I. M. Oppel, R. Zhorova, P. Dorkov, First Divalent Metal Complexes of the Polyether Ionophore Monenzin A: X-Ray Structures of [Co(Mon)2(H2O)2] and [Mn(Mon)2(H2O)2] and Their Bactericidal Properties, Curr. Drug Disc. Technol. 5 (2008) 154-161.
152. V. Atanasov, K. Kanev, M. Mitewa, Detection and Identification of Atypical Quetiapine Metabolite in Urine, Cen. Eur. J. Med. 3 (2008) 327-331.
153. A. Ahmedova, O. Cador, L. Sorace, S. Ciattini, D. Gatteschi, M. Mitewa, X-Ray Structure and Magnetochemical Study on a Co(II) Complex of 2-Acetyl-1,3-Indandione, J. Coord. Chem. 61 (2008) 3879-3886.
154. A. Ahmedova, P. Marinova, G. Tyuliev, M.Mitewa, Copper Complexes of Two Cyclo- alkanespiro-5-dithiohydantoins; Synthesis, Oxidation States and Characterization, Inorg. Chem. Comm. 11 (2008) 545-548.
155. A. Ahmedova, P. Marinova, K. Paradowska, M. Marinov, M. Mitewa, Synthesis and Charac-terization of Copper(II) and Nickel(II) Complexes of (9'-fluorene)-spiro-5-dithiohydantoin, J. Mol. Struct. 892 (2008) 13-19.
156. P. K. Petrov, J. M. Serafimovska, S. Arpadjan, D. L. Tsalev, T. Stafilov, Influence of EDTA, carboxylic acids, amino- and hydroxocarboxylic acids and monosaccharides on the generation of arsines in hydride generation atomic absorption spectrometry, Cent. Eur. J. Chem. 6(2) (2008) 216–221.
157. B. Todorov, G. Pekov, R. Djingova, On the Fractionation of 137Cs and 60Co in soil by Seqential Extraction, J. Radioanal. Nucl. Chem. 278(1) (2008) 9-15.
158. B. Markert, S. Wuenschmann, St. Fraenzle, O. Wappelhorst, V. Wiekert, G. Breulmann, R. Djingova, U. Herpin, H. Lieth, W. Schroeder, On the road from environmental biomonitoring to human health., Int. J. Environm.&Pollution 32 (2008) 486-498.
159. V. Ljubomirova, R. Djingova, Speciation of inorganic platinum-chloride complexes in environmental samples by SPE and ICP-AES, Anal. Chim. Acta, 614 (2008) 119-126.
160. V. Ljubomirova, R. Djingova, J. T. van Elteren, M. Veber, T. Kowalkowski, B. Buszewski, Investigation of the solubilization of car-emitted Pt, Pd and Rh in street dust and spiked soil samples, J. Environ. Anal. Chem. 88 (2008) 499 – 512.
161. D. T. Tsekova, G. P. Gochev, G. G. Gencheva, P. R. Bontchev, Magnetic and spectroscopic methods for structural characterization of paramagnetic hematoporphyrin IX complex with Cu(II), Eurasian J. Anal. Chem. 3(1) (2008) 79-90.
162. G. Georgieva, G. Gencheva, B. Shivachev, R. Nikolova, A new monoclinic polymorph of dichloridotetrakis(dimethyl sulfoxide)ruthenium(II), Acta Cryst. E64 (2008) m1023.
163. G. Momekov, D. Ferdinandov, S. Konstantinov, S. Arpadjan, D. Tsekova, G. Gencheva, P. R. Bontchev, M. Karaivanova, In vitro evaluation of a stable monomeric gold(II) complex with hematoporphyrin IX: Cytotoxicity

against tumor kidney cells, cellular accumulation and induction of apoptosis", Bioinorg. Chem. Appl. (2008) Article ID 367471.

164. I. Serafimovski, I. Karadjova, T. Stafilov, J. Cvetkovic, Determination of inorganic and methylmercury in fish by cold vapor atomic absorption spectrometry and inductively coupled plasma, Microchem. J. 89 (2008) 42-47.
165. S. Arpadjan, S. Celik, S. Taskesen, S. Gucer, Arsenic, cadmium and lead in medicinal herbs and their fractionation, Food Chem. Toxicol. 46 (2008) 2871–2875.
166. I. B. Karadjova, V. I. Slaveykova, D. L. Tsalev, Arsenic species biouptake and toxicity to green microalgae under sea water conditions, Aquatic Toxicology 87 (2008) 264–271.
167. A. Astel, B. Walna, V. Simeonov, I. Kurzyca, Multivariate Statistics as Means of Tracking Atmospheric Pollution Trends in Western Poland., J. Environ. Sci. Heal., Part A: Toxic/Hazardous Substances and Environmental Engineering 43(3) (2008) 313 -328.
168. A. Astel, S. Tsakovski, V. Simeonov, E. Reisenhofer, S. Piselli, P. Barbieri, Multivariate Classification and Modeling in Surface Water Pollution Estimation., Anal. Bioanal. Chem. 390(5) (2008) 1283-1292.
169. L. Chepanova, Z. Aneva, V. Simeonov, Evaluation of Aqua Regia Microwave-Assisted Digestion Procedures for Metal Elements Determination in Environmental Samples by FAAS and ICP-MS. Ecol. Chem. Eng. 15(6) (2008) 505-519.
170. M. Nikolov, P. Simeonova,V. Simeonov, Correlation Analysis of Clinical Test Data for Diabetes Mellitus Type 2 Patients. Ecol. Chem. Eng. 15(7) (2008) 683-691.
171. B. B. Ivanova, Aromatic dipeptides and their salts – solid-state linear-dichroic infrared (IR-LD) spectral analysis and ab initio calculations, Spectrochim. Acta. Part A 70 (2008) 324.
172. B. B. Koleva, T. Kolev, Solid-state IR-LD spectroscopy of isophorones with potential non-linear optical application: monoclinic and triclinic polymorphs of 2-{5,5-dimethyl-3-[2-(2,4,6-trimethoxyphenyl)vinyl]cyclohex-2-enylidene}malononitrile - Solid-state linear-polarized IR-spectroscopy, DFT calculations and vibrational analysis, Spectrochimica Acta Part A 71 (2008) 786.
173. B. B. Koleva, T. Kolev, S. Y. Zareva, M. Spiteller, Synthesis, spectroscopic and theoretical characterization of hydrogensquarate and mononuclear Au(III)-complex of dipeptide phenylalanyltyrosine, J. Mol. Struct. 855 (2008) 104.
174. B. B. Koleva, T. Kolev, S. Zareva, M. Spiteller, New Au(III), Pt(II) and Pd(II) complexes with glycyl-containing homopeptides, J. Coord. Chem. 61 (2008) 3534.
175. B. B. Koleva, T. M. Kolev, D. L. Tsalev, M. Spiteller, Determination of phenacetin and salophen analgetics in solid binary mixtures with caffeine by infrared linear dichroic and Raman spectroscopy, J. Pharmaceut. Biomed. Analys. 46 (2008) 267.
176. B. B. Koleva, T. Kolev, T. Tsanev, St. Kotov, H. Mayer-Figge, R. W. Seidel, W. S. Sheldrick, Spectroscopic and structural elucidation of 3,4-diaminopyridine and its hydrogen-tartarate salt. Crystal structure of 3,4-diaminopyridinium hydrogentartarate dehydrate, J. Mol. Struct. 881 (2008) 146.
177. B. B. Koleva, T. Kolev, T. Tsanev, St. Kotov, H. Mayer-Figge, R. W. Seidel, W. S. Sheldrick, 3,4-diaminopyridine bis(perchlorate): structural and spectroscopic elucidation, Struct. Chem 19(1) (2008) 13.
178. B. B. Koleva, T. Kolev, R. W. Seidel, Ts. Tsanev, H. Mayer-Figge, M. Spiteller, W. S. Sheldrick, Spectroscopic and structural elucidation of 4-dimethylaminopyridine and its hydrogensquarate, Spectrochim. Acta 71 (2008) 695.

179. B. B. Koleva, Ts. Kolev, R. W. Seidel, H. Mayer-Figge, M. Spiteller, W. S. Sheldrick, On the origin of the colour in the solid-state, J. Phys. Chem. Part A 112(13) (2008) 2899.
180. B. B. Koleva, IR-polarized spectroscopic and structural elucidation of protonated tripeptide glycyl-L-phenylalanyl-glycine, Protein and Peptide Letters 15(3) (2008) 309.
181. B. B. Koleva, T. M. Kolev, M. Spiteller, Determination of cephalosporins in solid binary mixtures by polarized IR- and Raman spectroscopy, J. Pharm. Biomed. Anal. 48 (2008) 201.
182. T. Kolev, B. B. Koleva, M. Spiteller, Solid-state linear polarized IR-spectroscopy of croconic and rhodizonic acids, Centr. Eur. J. Chem. 6(3) (2008) 393.
183. B. B. Koleva, T. Kolev, M. Lamshöft, M. Spiteller, Synthesis, spectroscopic and structural elucidation of Au(III), Pd(II) and Pt(II) complexes with tripeptide glycyl-L-phenylalanyl-glycine, Trans. Met. Chem. 33 (2008) 911.
184. B. B. Koleva, T. Kolev, R. W. Seidel, H. Mayer-Figge, W. S. Sheldrick, Bis(tyrammonium) sulfate dihidrate: crystal structure, solid state IR-spectroscopic and theoretical characterization, J. Mol. Struct. 888 (2008) 138.
185. B. B. Koleva, T. Kolev, H. Mayer-Figge, R.W. Seidel, W.S. Sheldrick, Are there preferable conformations of the tryptammonium cation in the solid state? Crystal structure and solid-state linear polarized IR-spectroscopic study of tryptammonium hydrogentartarate, Struct. Chem. 19(1) (2008) 147.
186. T. Kolev, R. W. Seidel, B. B. Koleva, M. Spiteller, H. Mayer-Figge, W. S. Sheldrick, Crystal structure and spectroscopic properties of ammonium hydrogen squarate squaric acid monohydrate, Struct. Chem. 19 (2008) 101.
187. T. Kolev, B. B. Koleva, M. Spiteller, New copper(II) complexes with hydroxyl containing dipeptides glycyl-L-serine and L-seryl–L-tyrosine, J. Coord. Chem. 61(12) (2008) 1897.
188. T. Kolev, B. B. Koleva, M. Spiteller, W. S. Sheldrick, H. Mayer-Figge, Benzamidinium D-glucuronate: spectroscopic and structural elucidation, J. Mol. Struct. 879 (2008) 30.
189. Ts. Kolev, B. Koleva, B. Shivachev, Oriented solids as a colloid suspension in nematic liquid crystal as a new tool for IR-spectroscopic and structural elucidation of inorganic compounds and glasses, Inorg. Chim. Acta 361 (2008) 2002.
190. Ts. Kolev, B. B. Koleva, M. Spiteller, H. Mayer-Figge, W. S. Sheldrick, Synthesis, spectroscopic and structural characterization of 1-methyl-4-[2-(4-hydroxyphenyl)ethenyl)] pyridinium] dihydrogenphosphate, Dyes and Pigments 79 (2008) 7.
191. B. Koleva, G. Ahmed, S. Gutzov, I. Petkov, Sol-gel materials doped with 3-(3-(4-(dimethylamino)phenyl)propenoyl)-2H-chromen-2-one: spectroscopic and structural elucidation, Spectrochim. Acta A Mol. Biomol. Spectrosc. 69 (2008) 587-591.
192. B. B. Koleva, St. Stoyanov, T. Kolev, I. Petkov, M. Spiteller, Spectroscopic and structural elucidation of merocyanine dye 2,5-[1-metyl-4-[2-(4-hydroxyphenyl) ethenyl)] piridinium] - hexane tetraphenylborate. Aggregation processes, Spectrochim. Acta Part A: Mol. Biomol. Spectrosc. 71(3) (2008) 847-853.
193. S. Stoyanov, B. B. Koleva, T. Kolev, I. Petkov, M. Spiteller, Structural elucidation, optical and magnetic properties of tetraphenylborate salt of 2,5-[1-methyl-4-[2-(4-hydroxyphenyl)ethenyl] pyridinium]-butane, Polish J. Chem. 82(11) (2008) 2167-2178.
194. T. Kolev, B. B. Koleva, St. Stoyanov, M. Spiteller, I. Petkov, The aggregation of the merocyanine dyes, depending of the type of the counter ions., Spectrochim. Acta Part A: Mol. Biomol. Spectrosc. 70(5) (2008) 1087-1096.
195. B. B. Koleva, T. Kolev, R. Nikolova, Y. Zagraniarsky, M. Spiteller, Newly synthesized organic material with potential NLO application – electronic and spectroscopic properties, CEJC 6 (2008) 592-599.

196. Y. Zagraniarsky, B. Koleva, K. Nikolov, S. Varbanov, T. Cholakova, Synthesis of Dimethylphosphinyl-substituted α-Amino(aryl)methylphosphonic Acids and Their Esters, Z. Naturforsch. 63b (2008) 1192-1198.
197. B. B. Koleva, R. D. Nikolova, S. Zareva, T. Kolev, A. G. Bojilova, H. Mayer-Figge, W. S. Sheldrick, Ethyl esters of coumarin-3-phosphonic acid and 1,2-benzoxaphosphorine-3-carboxylic acid – crystal structure, spectroscopic and theoretical elucidation, Struct. Chem. 19(6) (2008) 975.
198. R. D. Nikolova, S. Zareva, A. G. Bojilova, T. Kolev, B. Koleva, Substituted esters of coumarin-3-phosphonic acid – linear-polarized IR-spectroscopic elucidation, Phosphor, Sulfur, Silicon Rel. Elem. 183 (2008) 2998.
199. R. D. Nikolova, S. Zareva, B. Koleva, Spectroscopic elucidation of the coordination ability of 2-oxo-2H-chromene-3-phosphonic acid with Pt(II), Spectr. Lett. 41(8) (2008) 399.
200. Tz. Kolev, B. Koleva, T. Spassov, E. Cherneva, M. Spiteller, W.S. Sheldrick, H. Mayer-Figge, "Synthesis, spectroscopic, thermal and structural elucidation of 5-amino-2-methoxypyridine ester amide of squaric acid ethyl ester: a new material with an infinite pseudo layered structure and potential NLO application", J. Mol. Str. 875(1-3) (2008) 372-381.
201. B. B. Koleva, T. M. Kolev, V. Simeonov, T. Spassov, M. Spiteller, "Linearly polarized IR-spectroscopy of partially oriented solids as a colloid suspension in nematic host: a tool for spectroscopic and structural elucidation of the embedded chemicals", J. Inclus. Phen. Macrocyclic Chem. 61(3-4) (2008) 319-333.
202. R. D. Nikolova, S. Zareva, A. G.Bojilova, T. Kolev, B. Koleva, Ethyl esters of coumarin-3-phosphonic acid and 1,2-benzoxaphosphorine-3-carboxylic acid – IR-LD spectroscopic and theoretical elucidation, Struct. chem. 19 (2008) 975.
203. A. G. Chapkanov, B. B. Koleva, M.G. Arnaudov, I. K. Petkov,1-phenyl-3-substituted-pyrazol-5-ones tautomerism – theoretical and experimental UV spectral analysis. Photoinduced products, Chem. Papers 62 (2008) 1.
204. I. Petkov, A. Petinova, S. S. Stoyanov, S. Metsov, S. I. Stoyanov, Spectral properties and supramolecular inclusion complex formation between 2-styrylbenzothiazoium dye and cyclodextrins, J. Incl. Macrocycl. Chem. 60 (2008) 329-338.
205. S. Gutzov, G. Ahmed, N. Petkova, E. Füglein, I. Petkov, Preparation and optical properties of samarium doped sol-gel materials. J. Non-Cryst. Solids 354(29) (2008) 3438-3442.
206. T. Spassov, V. Rangelova, H. Chanev, S. Stoyanov, O. Petrov, "Synthesis and hydrogen adsorption in Cu-based coordination framework materials", Scripta Materialia 58 (2008) 118-121.
207. Z. Z. Raykov, K. Vassilev, G. Grigorova, A. Lyapova, A. Alexiev, G. Petrov, Spin-labeled Rifamicin. Biological activity. Die Pharmazie 63(1) (2008) 61-66.
208. A. S. Bojinova, C. I. Papazova, I. B. Karadjova, TiO2/WO3 Photocatalytic Water Purification from Malachite Green Oxalate: Adsorption, Kinetics and Degradation Pathway, Eurasian J. Analyt. Chem. 3(1) (2008) 34-43.
209. S. C. Russev, N. Alexandrov, K. G. Marinova, K. D. Danov, N. D. Denkov, L. Lyutov, V. Vulchev, C. Bilke-Krause, Instrument and methods for surface dilatational reology measurements, Review of Scientific Instruments 79 (2008) 104102.
210. S. Anastasova, M. Milanova, E. Kashchieva, H. Funakubo, T. Kamo, N. Grozev, P. Stefanov, D. Todorovsky, Morphology of sol-gel produced composite films for optical oxygen sensors, Appl. Surf. Sci. 254 (2008) 1545-1558.
211. N. C. Christov, K. D. Danov, D. K. Danova, P. A. Kralchevsky, The Drop Size in Membrane Emulsification Determined from the Balance of Capillary and Hydrodynamic Forces, Langmuir 24 (2008) 1397-1410.

212. P. A. Kralchevsky, K. D. Danov, J. K. Angarska, Reply to Comment on "Hydrophobic Forces in the Foam Films Stabilized by Sodium Dodecyl Sulfate: Effect of Electrolyte" and Subsequent Criticism, Langmuir 24 (2008) 2953-2953, Comment.
213. S. Tcholakova, N. D. Denkov, A. Lips, Comparison of Solid Particles, Globular Proteins and Surfactants as Emulsifiers, Phys. Chem. Chem. Phys. 10 (2008) 1608-1627 (invited article)
214. N. D. Denkov, S. Tcholakova, K. Golemanov, K. P. Ananthapadmanabhan, A. Lips, Viscous Friction in Foams and Concentrated Emulsions under Steady Shear, Phys. Rev. Lett. 100 (2008) 138301.
215. S. Tcholakova, N.D. Denkov, K. Golemanov, K.P. Ananthapadmanabhan, A. Lips, Theoretical Model of Viscous Friction inside Steadily Sheared Foams and Concentrated Emulsions, Phys. Rev. E 78 (2008) 011405.
216. K. Golemanov, N. D. Denkov, S. Tcholakova, M. Vethamuthu, A. Lips, Surfactant Mixtures for Control of Bubble Surface Mobility in Foam Studies, Langmuir 24 (2008) 9956–9961.
217. P. A. Kralchevsky, M. P. Boneva, K. D. Danov, K. P. Ananthapadmanabhan, and A. Lips, Method for Analysis of the Composition of Acid Soaps by Electrolytic Conductivity Measurements, J. Colloid Interface Sci. 327 (2008) 169-179.
218. S. C. Russev, N. Alexandrov, K. G. Marinova, K. D. Danov, N. D. Denkov, L. Lyutov, V. Vulchev, C. Bilke-Krause, Instrument and Methods for Surface Dilatational Rheology Measurements, Review of Scientific Instruments 79 (2008) 104102.
219. K. Golemanov, S. Tcholakova, N. D. Denkov, K. P. Ananthapadmanabhan, A. Lips, Breakup of Bubbles and Drops in Steadily Sheared Foams and Concentrated Emulsions Physical Review E 78 (2008) 051405.
220. N. Drenchev, T. Spassov, I. Kanazirski, "Electrochemical hydriding/dehydriding of nanocrystalline Mg2-x Sn x Ni (x = 0, 0.1, 0.3)", J. Appl. Electrochem. 38(2) (2008) 197-202.
221. B. Drenchev, T. Spassov, D. Radev, "Influence of alloying and microstructure on the electrochemical hydriding of TiNi ternary alloys", J. Appl. Electrochem. 38(4) (2008) 437-444.
222. N. Drenchev, T. Spassov, St. Bliznakov, "Influence of tin on the electrochemical and gas phase hydrogen sorption in Mg2-xSnxNi (x = 0, 0.1, 0.3)", J. Alloys Comp. 450(1-2) (2008) 288-292.
223. B. Abrashev, S. Bliznakov, T. Spassov, A. Popov, "Synthesis and study of structural, morphological and electrochemical properties of TiFe1-xCox hydrogen storage alloys", J. Phys.: Conference Series 113(1) (2008) art. no. 012049.
224. S. Bliznakov, N. Dimitrov, T. Spassov, A. Popov, "Metal hydride alloys for electrochemical energy source applications", Mater. Res. Soc. Symp. Proc. Vol. 1042-S-05-11 (2008) 59-63.
225. J. Ninov, I. Donchev, "Lime Stabilization of Clay from the "Mirkovo" Deposit Part 1. Kinetics and Mechanism of the Processes", J. Therm. Anal. Cal. 91(2) (2008) 487-490.
226. J. Lecomte, L. Terziev, Tchoufang Etude de l'austenite residuele sur des envelloppes de cylindres de laminoir de type ICDP par diverses techniques, Compte rendu-Université de Liège 77 (2008) 127.
227. E. D. Manev, S. V. Sazdanova, R. Tsekov, S. I. Karakashev, A.V. Nguyen, Adsorption of ionic surfactants, Colloids Surf A 319 (2008) 29-33.
228. R. Tsekov, M. R. Stukan, O. I. Vinogradova, Osmotic pressure acting on a semi-permeable shell immersed in a solution of polyions, J Chem Phys 129 (2008) 244707
229. S. I. Karakashev, E. D. Manev, R. Tsekov, A. V. Nguyen, Effect of ionic surfactants on drainage and equilibrium thickness of emulsion films, J Colloid Interface Sci 318 (2008) 358

230. S. I. Karakashev, P. T. Nguyen, R. Tsekov, M. A. Hampton, A. V. Nguyen, Anomalous ion effects on rupture and lifetime of aqueous foam films from monovalent salt solutions up to saturation concentration, Langmuir 24 (2008) 11587
231. V. S. Ajaev, R. Tsekov, O. I. Vinogradova, Ripples in a wetting film formed by a moving meniscus, Phys. Rev. E 78 (2008) 031602
232. S. I. Karakashev, A.V. Nguyen, Effect of Hydrodynamics, Interface Capillarity and Molecular Kinetics on the Wetting a De-wetting on Wire Surfaces, Asian Pacific J. Chem. Eng. 3(1) (2008) 30-35.
233. P. M. Kruglyakov, S. I. Karakashev, A.V. Nguyen, N.G. Vilkova, Foam Drainage, Curr. Opin. Coll. Interface Sci. 13 (2008) 163-170.
234. S.I. Karakashev, E. D. Manev, A.V. Nguyen, Effect of Double-Layer Repulsion on Foam Film Drainage, Colloids and Surfaces A 319 (2008) 34-42.
235. S. I. Karakashev, A. V. Nguyen, J. D. Miller, Equilibrium adsorption of surfactants at the gas-liquid interface, In: R. R. Narayanan and J. Berg (Eds.), Advances of Polymer Science, Springer-Verlag, 218(1) (2008) 25-55.
236. S. Anastasova, M. Milanova, E. Kashchieva, H. Funakubo, T. Kamo, N. Grozev, P. Stefanov, D. Todorovsky, Morphology of sol–gel produced composite films for optical oxygen sensors, Appl. Surf. Sci. 254(6) (2008) 1545-1558
237. I. Botiz, N. Grozev, H. Schlaad, G. Reiter, The influence of protic non-solvents present in the environment on structure formation of poly(-benzyl-L-glutamate) in organic solvents, Soft Matter 4(5) (2008) 993 – 1002
238. N. Grozev, I. Botiz, G. Reiter, Morphological instabilities of polymer crystals, Eur. Phys. J. E Soft Matter. 27(1) (2008) 63-71.
239. Tz. Ivanova, K. Mircheva, G. Dobreva, I. Panaiotov, J.E. Proust, R. Verger, Action of Humicola lanuginosa lipase on mixed monomolecular films of tricaprylin and polyethylene glycol stearate, Colloids and Surfaces B: Biointerfaces 63 (2008) 91–100.
240. K. Mircheva, I. Minkov, Tz. Ivanova, I. Panaiotov, J.E.Proust, R. Verger, Comparative study of lipolysis by PLA2 of DOPC substrates organized as monolayers, bilayer vesicles and nanocapsules, Colloids and Surfaces B: Biointerfaces 67 (2008) 107-114.
241. S. Gutzov, G. Ahmed, N. Petkova, E. Füglein, I. Petkov, Preparation and optical properties of samarium doped sol-gel materials, J. Non-Crys Solids 354(29) (2008) 3438-3442.
242. S. Gutzov, S. Berendts, M. Lerch, C. Geffert, A. Börger, K. D. Becker, High temperature optical spectroscopy investigations on Zr0.78Y0.18 Sm0.04O1.89 and Zr0.78 Y0.18 Ho0.04O1.89 single crystals, Phys. Chem. Chem. Phys. 11 (2008) 636-640.
243. M. Nedyalkov, L. Alexandrova, D. Platikanov, B. Levecke, Th. Tadros, Wetting Properties of Aqueous Solutions of Hydrophobically Modified Inulin Polymeric Surfactant, Colloid & Polymer Science 286 (2008) 713-719.
244. D. Platikanov, D. Exerowa, Thin Liquid Films and Foams: Classic and Modern Topics, Curr. Opin. Coll. Interface Sci. 13 (2008) 97.
245. E. Vladimirov, A. Ivanova, N. Rösch, Solvent Reorganization Energies in A-DNA, B-DNA, and Rhodamine 6G–DNA Complexes from Molecular Dynamics Simulations with a Polarizable Force Field, J. Phys. Chem. B 113 (2008) 4425–4434.
246. E. Vladimirov, A. Ivanova, N. Rösch, Effect of Solvent Polarization on the Reorganization Energy of Electron Transfer from Molecular Dynamics Simulations, J. Phys. Chem. 129 (2008) 194515.

247. A. Ivanova, P. Shushkov, N. Rösch, Systematic Study of the Influence of Base-Step Parameters on the Electronic Coupling between Base-Pair Dimers: Comparison of A-DNA and B-DNA Forms, J. Phys. Chem. A 112 (2008) 7106-7114.
248. A. Ivanova, G. Jezierski, N. Rösch, Electronic Coupling Between Base Pair Dimers of LNA:DNA Oligomers, Phys. Chem. Chem. Phys. 10 (2008) 414-421.
249. Zh. Velkov, M. Kolev, A. Tadjer, Molecular Modelling and Statistical Analysis of Scavenging/Antioxidant Activity of Phenolic Compounds, In: Proc. XIV Natl. Congress Appl. Mathematics in Biology and Medicine (2008) 134-139.
250. M. Kolev, A. Tadjer, Zh. Velkov, Anticancer Activity of Spin-Labeled Nitrosoureas as a Function of the LUMO Energy, IEEE Proc. HSI 2008 (2008) 557-559.
251. P. G. Shushkov, S. A. Tzvetanov, A. N. Ivanova, A. V. Tadjer, Dielectric Properties Tangential to the Interface in Model Insoluble Monolayers – Theoretical Assessment, Langmuir 24 (2008) 4614-4624.
252. N. Tyutyulkov, N. Drebov, K. Muellen, A. Staykov, F. Dietz, Energy Spectra and Electric and Magnetic Properties of 1D Stacks of Conjugated ð-electron Systems with Defect Surface States. I. ð systems with Tamm Surface States, J. Phys. Chem C 112 (2008) 6232-6239.
253. V. Simulescu, J. Angarska, E. Manev, Drainage and Critical Thickness of Foam Films from Aqueous Solutions of Mixed Nonionic Surfactants, Colloids and Surfaces A: Physicochem. Eng. Aspects 319 (2008) 21–28.
254. B. V. Toshev, Thermodynamic Theory of Thin Liquid Films Including Line Tension Effects, Current Opinion Colloid & Interface Sci. 13 (2008) 100-106.
255. C. S. Vassilieff, B. N. Nickolova, E. D. Manev, Thinning of foam films of micellar surfactant solutions 1. Nonionic surfactants C10H21(OC2H4)8OH and C12H25(OC2H4)8OH, Colloid Polymer Sci. 286 (2008) 475-480.
256. S. Ö. Yildirim, M. Akkurt, M. Kandinska, M. Bogdanov,O. Büyükgüngörc, Methyl trans-rac-2-hexyl-1-oxo-3-(2-pyridyl)-1,2,3,4-tetrahydroisoquinoline-4-carboxylate, Acta Crys. Section E 64 (2008) o1932.
257. Z. Z. Raykov, K. Vassilev, G. Grigorova, A. Lyapova, A. Alexiev, G. Petrov, Spin-labeled Rifamicin. Biological activity, Die Pharmazie 63(1) (2008) 61-66.
258. Y. Zagraniarsky, B. Ivanova, K. Nikolov, S. Varbanov, T. Cholakova, Synthesis of Dimethylphosphinyl Substituted α-Amino(aryl)methylphosphonic Acids and their Esters, Z. Naturforsch. 63b (2008) 1192-1198.
259. P. Y. Petrov, M. Stoyanova, B. Shivachev, 4-Methyl-1-Phenylquinolin-2(1H)-one, Acta Crystall. E64 (2008) o72.
260. N. T. Burdzhiev, E. R. Stanoeva, Synthesis of new polysubstituted pyrrolidinones with potential biological activity, Zeitschrift fur Naturforschung - Section B: J. Chem. Sci. 63(3) (2008) 313-320.
261. M. Akkurt, S. O. Yýldýrým, M. G. Bogdanov, M. I. Kandinska, O. Büyükgüngör, trans-rac-(1-Oxo-2-phenethyl-3-(2-thienyl)-1,2,3,4-tetrahydroisoquinolin-4-yl)methyl 4-methylben-zenesulfonate. Acta Cryst. E64 (2008) o1955–o1956.
262. I. Petkov, A. Petinova, S. S. Stoyanov, S. Metsov, S. I Stoyanov, Spectral properties and supramolecular inclusion complex formation between 2-styrylbenzothiazolium dye and cyclodextrins, J. Inc. Phenom. Macrocyclic Chem. 60(3-4) (2008) 329-338.
263. G. B. Hadjichristov, S. S. Stanimirov, I. L. Stefanov, I. K. Petkov, The fluorescence response of diamine-liganded europium complexes upon resonant and pre-resonant excitation, Spectrochim. Acta Part A: Mol. Biomol. Spectrosc. 69(2) (2008) 443-448.

264. S. S. Stanimirov, I. K. Petkov, Novel pH responsive luminescent poly(oxyethylene phosphate) tris(β-diketonate) europium (III) complexes, Centr. Eur. J. Chem. 6(3) (2008) 429-437.
265. G. Yordanov, C. D. Dushkin, E. Adachi, "Early time ripening during the growth of CdSe nanocrystals in liquid paraffin", Colloids Surfaces A 316(1), 2008, 37-45 (Elsevier).
266. G. Yordanov, H. Yoshimura, C. D. Dushkin, "Phosphine-free synthesis of metal chalcogenide quantum dots by means of in situ-generated hydrogen chalcogenides", Colloid Polymer Science 286 (2008) 813-817 (Springer).
267. G. Yordanov, H. Yoshimura, C. D. Dushkin, "Fine control of the growth and optical properties of CdSe quantum dots by varying the amount of stearic acid in a liquid paraffin matrix", Colloids Surfaces A 322 (2008) 177-182 (Elsevier).
268. G. Yordanov, H. Yoshimura, C. Dushkin, "Synthesis of high-quality core–shell quantum dots of CdSe–CdS by means of gradual heating in liquid paraffin", Colloid Polymer Science 286 (2008) 1097-1102 (Springer).
269. S. Stoyanov, G. Yordanov, C. Dushkin, "Enhanced photocatalytic activity of thin TiO2 films dotted with ZnS nanoparticles", React. Kinet. Catal. Lett. 94(2), (2008) 227−232.
270. Ch.-J. Jia, L.-D. Sun, F. Luo, L.J. Heyderman, Zh.-G. Yan, Ch.-H. Yan, K. Zheng, X.-D. Han, Z Zhang, M. Takano, N. Hayashi, M. Eltschka, M. Kläui, U. Rüdiger, T. Kasama, L. Cervera-Gontard, R.E. Dunin-Borkowski, G. Tzvetkov, J. Raabe, Large scale synthesis of single crystal iron oxide magnetic nanorings, JACS 130 (2008) 16968–16977.
271. P. Fernandes, G. Tzvetkov, R.H. Fink, G. Paradossi, A. Fery, Quantitative analysis of scanning transmission X-ray microscopy images of gas-filled PVA based microballoons, Langmuir 24 (2008) 13677-13682.
272. J. Raabe, G. Tzvetkov, U. Flechsig, M. Böge, A. Jaggi, B. Sarafimov, C. Quitmann, M.G.C. Vernooij, T. Huthwelker, H. Ade, D. Kilcoyne, T. Tyliszczak, R. Fink, PolLux: A new instrument for soft X-ray spectromicroscopy at the SLS, Review of Scientific Instruments 79 (2008) 113704.
273. G. Tzvetkov, R. H. Fink, Temperature dependent X-ray microspectroscopy of phase-change core-shell microcapsules, Scripta Materialia 59 (2008) 348-351.
274. R. Kaegi, T. Wagner, B. Hetzer, B. Sinnet, G. Tzvetkov, M. Boller, Properties of nanosized particles in drinking water determined by analytical microscopy and LIBD, Water Research 42 (2008) 2778-2786.
275. G. Tzvetkov, B. Graf, P. Fernandes, A. Fery, F. Cavalieri, G. Paradossi, and R.H. Fink, In situ characterization of gas-filled microballoons using soft X-ray microspectroscopy, Soft Matter. 4 (2008) 510-514.
276. G. Tzvetkov, B. Graf, R. Wiegner, J. Raabe, C. Quitmann, R. Fink, Soft X-ray spectromicroscopy of phase-change microcapsules, Micron 39 (2008) 275–279.
277. M. Uzunova-Bujnova, D. Dimitrov, D. Radev, A. Bojinova, D. Todorovsky, Effect of the mechanoactivation on the structure, sorption and photocatalytic properties of titanium dioxide, Mater. Chem. Phys. 110 (2008) 291–298.
278. M. Uzunova-Bujnova, R. Todorovska, D. Dimitrov, D. Todorovsky, "Lanthanide - doped titanium dioxide layers as photocatalysts", Appl. Surf. Sci. 254 (2008) 7296–7302.
279. G. Tsutsumanova, L. Lyutov, A. Tsonev, S. Russev, Ordering of Silver Flowerlike nanosheet Structures on an Aluminium Substrate, Mater. Lett. 62 (2008) 3588-3590.
280. Tz. Boiadjieva, D. Kovacheva, L. Lyutov, M. Monev, Deposition of Zn-Cr alloy coatings from sulfate electrolyte: effect of propylene glycol 620 and glicine and combinations thereof, J. Appl. Electrochem. 38 (2008) 1435-1443.
281. N. Petrova, D. Todorovsky, S. Angelova, D. Mehandjiev, Synthesis and characterization of cerium citric and tartaric complexes, J. Alloys Comp. 454 (2008) 491-500.

282. S. Anastasova, M. Milanova, D. Todorovsky, Photoluminiscence response of Ru(ii) complex immobilized in SiO2-based matrix to dissolved oxygen in beer, J. Biochem. Biophys. Meth. 70 (2008) 1292–1296.
283. N. Petrova, D. Todorovsky, I. Mitov, G. Tyuliev, Synthesis and characterization of yttrium-aluminum-iron and yttrium-cerium-iron citric complexes, J. Rare Earths 26 (2008) 307-314.
284. S. Anastasova, M. Milanova, S. Rangelov, D. Todorovsky, Influence of the precursor nature and deposition mode on the oxygen sensing properties of Ru(II) complex immobilized in sio2-based matrix. J. Non-Cryst. Solids 354 (2008) 4909–4916.
285. D. Drakova, G. Doyen, 'eaction threshold and decoherence: current induced desorption of CO on Cu(111), J. Phys.: Conf. Series 61 (2007) 262.
286. B. V. Donkova, K. I. Milenova, D. R. Mehandjiev, Investigation on the catalytic activity of doped low-percentage oxide catalysts Mn/ZnO obtained from oxalate precursor, Cent. Eur. J. Chem. 6(1) (2008) 115-124.
287. A. Vasilev, T. Deligeorgiev, N. Gadjev, S. Kaloyanova, J. J. Vaquero, J. Alvarez-Builla, A. G. Baeza, Novel environmentally benign procedures for the synthesis of styryl dyes, Dyes and Pigments 77(3) (2008) 550-555.
288. T. Deligeorgiev, T. Tsvetkova, D. Ivanova, Synthesis and electronic spectra of 3-hetaryl substituted coumarin derivatives 7-hydroxy-2H-chromen-2-on and 9-hydroxy-2H-benzo(f) chromen-2-on, Color. Technol. 124(4) (2008) 195-203.
289. A. Yudintsev, V. Trusova, G. Gorbenko, T. Deligeorgiev, A. Vasilev, N. Gadjev, Lipid bilayer interactions of Eu(III) tris-β-diketonato coordination complex, Chem. Phys. Lett. 457 (4-6) (2008) 417-420.
290. J. B. Ghasemi, F. Shiri, T. G. Deligeorgiev, M. Kubista, J. Serb. Chem. Soc. 73(10) (2008) 1011–1019.
291. Radev, G. Georgiev, V. Sinigersky, E. Slavcheva, Proton Conductivity Mesearuments of PEM performed in Easy Test Cell, Int. J. Hydrogen Energy (2008) accepted.
292. B. Kostova, E. Kamenska, I. Ivanov, G. Momekov, D. Rachev, G. Georgiev, Verapamil hydrochloride Release Charactaristics from New Co-polymer Zwitterionic Matrix Tablets, Pharm. Devel. Techn. 13 (2008) 1-11.
293. H., Smilkov, Ch. Betchev, I. Kamenova, E. Kamenska, G. Georgiev, Biocompatible Zwitterionic Copolymer Networks with Controllable Swelling and Mechanical Characteristics of Their Hydrogel, J. Mater. Sci.: Materials in Medicine 19 (2008) 2389-2395.
294. M. Christova, L. Christov, E. Castaños-Martinez, M. S. Dimitrijević, M. Moisan, Using line broadening to determine the electron density in an argon surface-wave discharge at atmospheric pressure, In: AIP Conference Proceedings Volume 1058 - SPECTRAL LINE SHAPES: Volume 15–19th International Conference on Spectral Line Shapes, Valladolid (Spain), 15–20 June 2008, p. 3
295. M. Christova, L. Christov, M. S. Dimitrijević, and N. Andreev, Calculation of the shifts of argon spectral lines, In: AIP Conference Proceedings Volume 1058 - SPECTRAL LINE SHAPES: Volume 15–19th International Conference on Spectral Line Shapes, Valladolid, Spain, 15–20 June 2008, p. 6
296. B. Galabov, S. Kim, Y. Xie, H. F. Schaefer III, M. L. Leininger, J. R. Durig, Conformations of Allyl Amine: Theory vs. Experiment, J. Phys. Chem. A 112 (2008) 2120.
297. B. Galabov, S. Ilieva, B. Hadjieva, Y. Atanasov, H. F. Schaefer III, Predicting Reactivities of Organic Molecules. Theoretical and Experimental Studies on the Aminolysis of Phenyl Acetates, J. Phys. Chem. A 112 (2008) 6700.
298. B. Galabov, V. Nikolova, J. J. Wilke, H. F. Schaefer III, W. D. Allen, Origin of the SN2 Benzylic Effect, J. Am. Chem. Soc. 130 (2008) 9887.

299. M. Harsch, J. Karger-Kocsis, A. A. Apostolov, Crystallization-induced Shrinkage and Thermal Properties of In Situ Polymerized Cyclic Butylene Terephthalate, J. Appl. Polym. Sci. 108(3) (2008) 1455-1461.
300. 449. M. -C. Corobea, D. Donescu, S. Grishchuk, N. Castella, A. A. Apostolov, J. Karger-Kocsis, Organophilic Layered Silicate Modified Vinylester-Urethane Hybrid Resins: Structure and Properties, Polymer & Polymer Composites 16(8) (2008) 547-554.
301. O. Petrov, Y. Ivanova, M. Gerova, SOCl2/EtOH: Catalytic system for synthesis of chalcones, Catalysis Comm. 9 (2008) 315–316.
302. O. Petrov, Y. Ivanova, G. Momekov, V. Kalcheva, New Synthetic Chalcones: Cytotoxic Mannich Bases of 6-(4-Chlorocinnamoyl)-2(3H)-benzoxazolone, Lett. Drug Design Discov. 5 (2008) 358-361
303. M. Gerova, F. Rodrigues, J.-F. Lamère, A. Dobrev, S. Fery-Forgues, Self-assembly properties of some chiral N-palmitoyl amino acid surfactants in aqueous solution, J. Colloid & Interface Sci. 319(2) (2008) 526-533.
304. A. Ahmedova, P. Marinova, S. Ciattini, N. Stoyanov, M. Springborg, M. Mitewa, A Combined Experimental and Theoretical Approach For Structural Study on a New Cinnamoyl Derivative of 2-Acetyl-1,3-Indandione and Its Metal(II) Complexes, Struct. Chem. 20 (2009) 101-111.
305. V. N. Atanasov, D. Danchev, M. Mitewa, S. Petrova, Hemolitic and Anticoagulant Study of the Neurotoxin Vipoxin and Its Components – Basic Phospholipase A2 and an Acidic Inhibitor, Biochemistry (Moscow) 74 (2009) 276-280.
306. A. Ahmedova, V. Atanasov, P. Marinova, N. Stoyanov, M. Mitewa, Synthesis, Characterization and Spectroscopic Properties of Some 2-Substituted 1,3-Indandiones and Their Metal Complexes, Centr. Eur. J. Chem. 7 (2009) 429-438.
307. V. Atanasov, S. Petrova, M. Mitewa, HPLC Assay of Phospholipase A2 Activity Using Low Temperature Derivatization of Fatty Acids, Anal. Lett. 42 (2009) 1341-1351.
308. I. N. Pantcheva, P. Dorkov, V. Atanasov, M. Mitewa, B. Shivachev, R. Nikolova, H. Mayer-Figge, W. S.Sheldrick, Crystal Structure and Properties of the Copper(II) Complex of Sodium Monenzin A, J. Inorg. Biochem. 103 (2009) 1419-1424.
309. I. N. Pantcheva, R. Zhorova, W. S. Sheldrick, M. Mitewa, Divalent Metal Complexes of the Monovalent Polyether Ionophorous Antibiotic Monensin, in M.Melnik, P.Segl'a, M.Tatarko (Eds.) "Insights into Coordination, Bioinorganic, and Applied Inorganic Chemistry", Press of Slovak University of Technology, Bratislava, (2009) pp. 257-268.
310. A. Ahmedova, G. Pavlovic, M. Marinov, N. Stoyanov, D. Sisak, M. Mitewa, Two Cyclo-alkanespiro-5-(2-thiohydantoins): Synthesis, Spectral and Structural Characterization, J. Mol. Str. 938 (2009) 165-173.
311. V. I. Slaveykova, I. B. Karadjova, M. Karadjov, D. L. Tsalev, Trace metal speciation and bioavailability in surface waters of the Black Sea coastal area evaluated by HF-PLM and DGT, Environm. Sci. Techn. 43(6) (2009) 1798–1803.
312. S. Tsakovski, B. Kudlak, V. Simeonov, L. Wolska, J. Namiesni, Ecotoxicity and Chemical Sediment Data Classification by the Use of Self-Organizing Maps, Anal. Chim. Acta 631 (2009) 142-152.
313. S. Tsakovski, B. Kudlak, V. Simeonov, L. Wolska, G. Garcia, M. Dassenakis, J. Namiesnik, N- way Modelling of Sediment Monitoring Data from Mar Menor Lagoon, Spain, Talanta, 80(2) (2009) 935-941.
314. H. Junninen, J. Mønster, M. Rey, J. Cancelinha, K. Douglas, M. Duane, V. Forcina, A. Müller, F. Lagler, L. Marelli, A. Borowiak, J. Niedzialek, B. Paradiz, D. Mira-Salama, J. Jimenez, U. Hansen, C. Astorga, K. Stanczyk, M. Viana, X. Querol, R. M. Duvall, G. A. Norris, S. Tsakovski, P. Wåhlin, J. Hořak, B.R. Larse, Quantifying the impact of

residential heating on the urban air quality in a typical european coal combustion region, Environ. Sci. Technol. 43 (2009) 7964-7970.

315. A. Astel, V. Simeonov, Environmetrics as a Tool for Lake Pollution Assessment, In: Lake Pollution Progress (F. Miranda and L. Bernard Eds.), Nova Science Publishers, 2009, pp. 13- 61. ISBN 978-1-60692-106-7.
316. S. Fraenzle, V. Hoffmann, C. Panaiotu, D. Jordanova, N. Jordanova, R. Djingova, S. Wuenschmann, B. Markert, Formation and determination of magnetite particles in biological samples for biomonitoring inputs of Fe and other heavy metals, Agrochimica 53 (2009) 405-417.
317. S. Tsakovski, P. Simeonova, V. Simeonov, M. C. Freitas, I. Dionisio, A.M.G. Pacheco, Air-quality assessment of Pico-Mountain Environment (Azores) by using Chemometric and Trajectory Analyses, J. Radioanal. Nucl. Chem. 281(1) (2009) 17-22.
318. M. Nikolov, P. Simeonova, V. Simeonov, Chemometrics as an Option to assess Clinical Data from Diabetes Mellitus Type 2 Patients, Centr. Europ. J. Med. 4(4) (2009) 433-443.
319. I. Diadovski, M. Atanassova, V. Simeonov, Risk Assessment of Strouma River Flow using Extreme Events indicated by Integral Indices, J. Balk. Ecol. 12(3) (2009) 279-287.
320. I. Diadovski, M. Atanasova, V. Simeonov, Assessment of Climate Impact on the Transboundary Struma River Flow in Bulgarian Territory using Integral Indices, Ecol. Chem. Eng. 16(3) (2009) 181-200.
321. I. Kuleff, T. Stoyanov, M. Tonkova, Gold Thracian appliqués – authentic or fake?, ArcheoScience – Revue d'Archéométrie 33 (2009) 365-373.
322. T. Kolev, B. B. Koleva, R. W. Seidel, H. Mayer-Figge,M. Spiteller, W. S. Sheldrick, Tyrammonium 4-nitrophthalate dihydrate – structural and spectroscopic elucidation, Amino Acids 36(1) (2009) 29.
323. T. Kolev, R. W. Seidel, M. Spiteller, H. Mayer-Figge, W. S. Sheldrick, B. B. Koleva, New structural motifs and nonlinear optical properties of the crystals of squaric acid in the presence of L-lysinium counterion, J. Mol. Struct. 919 (2009) 246.
324. T. Kolev, B. B. Koleva, R. W. Seidel, H. Mayer-Figge, M. Spiteller, W. S. Sheldrick, Supramolecular helix structures of ester amide and diamide of squaric acid with prolinamide, Spectrochim. Acta 72A (2009) 502.
325. B. Koleva, St. Stoyanov, T. Kolev, I. Petkov, M. Spiteller, Structural elucidation, optical, magnetic and nonlinear optical properties of oxystyryl dyes, Spectrochim. Acta – Part A: Mol. Biomol. Spectrosc. 71(5) (2009) 1857-1864.
326. A. G. Chapkanov, B. B. Koleva, M. G. Arnaudov, I. K. Petkov, On the tautomerism of 1-phenyl-3-substituted-pyrazol-5-ones and their photoinduced products – experimental and theoretical UV spectral analysis, J. Electron Spectrosc. Related Phenom. (2009) accepted.
327. B. B. Koleva, S. Stoyanov, T. Kolev, M. Spiteller, I. Petkov, The aggregation of the merocyanine dyes, depending of the type of the counter ions", Spectrochim. Acta – Part A: Mol. Biomol. Spectrosc. (2009) accepted.
328. B. B. Koleva, S. Stoyanov, T. Kolev, I. Petkov, Michael Spiteller, William S. Sheldrick, Spectroscopic and structural elucidation of merocyanine dye 2,5-[1-metyl-4-[2-(4-hydroxyphenyl)ethenyl)]piridinium]-hexane tetraphenylborate, Aggregation processes (2009) accepted.
329. A. Chapkanov., B. Ivanova, M. Arnaudov, I. Petkov, On the tautomerism of 1-phenyl-3-substituted pyrazol-5-ones and their photoinduced products-experimental and theoretical UV-spectral analysis, Chemical Papers (2009) accepted.
330. R. D. Nikolova, S. Zareva, E. Ilieva, T. Kolev, B. B. Koleva, Esters of 1-coumarinyl-benzylphosphonic acid - IR-spectroscopic and theoretical elucidation, Spectrochim. Acta Part A: Mol. Biomol. Spectrosc. 72(2) (2009) 280.

331. B. B. Koleva, R. Nikolova, Tsonko Kolev, H. Mayer-Figge, M. Spiteller, W.S. Sheldrick, Hydrogensquarates of 3- and 4-pyridyl-coumarin – crystal structures and spectroscopic elucidation, Spectrochim. Acta Part A: Mol. Biomol. Spectrosc. 73(1) (2009) 72.
332. B. Koleva, T. Kolev, R. Nikolova, S. Zareva, R. W. Seidel, H. Mayer-Figge, M. Spiteller, W. S. Sheldrick, 1,10-phenanthrolinium hydrogensquarate monohydrate – a non-centrosymmetric structure from two non-chiral agents, Spectrochim. Acta Part A: Mol. Biomol. Spectrosc. 73(5) (2009) 929-935.
333. B. B. Koleva, R. Nikolova, S. Zareva, Tsonko Kolev, R.W. Seidel, H. Mayer-Figge, W.S. Sheldrick, Novel pyridyl-substituted coumarin and its perchlorate salt– crystal structure and spectroscopic properties, J. Phys. Org. Chem. 22(8) (2009) 726-734.
334. A. G. Chapkanov, S. Y. Zareva, R. D. Nikolova, E. Trendafilova, Synthesis and spectroscopic investigation of (acethylamino)pyridinesCollect. Czech. Chem. Commun. 74(9) (2009) 1295-1308.
335. 484. R. D. Nikolova, B. B. Koleva, Coordination ability of 3-pyridinyl-coumarins with Pd(II) and Pt(II), J. Coord. Chem. 62(19) (2009) 3179-3186.
336. B. B. Koleva, R. Nikolova, S. Zareva, T. Kolev, H. Mayer-Figge, M. Spiteller, W.S. Sheldrick, Crystal structure and spectroscopic properties of 4-acetaminopyridine and its protonated form, Polish J. Chem. Technol. 3(11) (2009) 35-40.
337. S. Gutzov, G. Ahmed, N. Petkova, E. Füglein, I. Petkov, Preparation and optical properties of samarium doped sol-gel materials, Sol-Gel Sci. Techn. (2009) accepted.
338. I. G. Dakova, I. B. Karadjova, V. T. Georgieva, G. S. Georgiev, Polycarboxylic microsphere polymer gel for solid phase extraction of trace elements Microchim. Acta 164(1-2) (2009) 55-61.
339. I. Dakova, I. Karadjova, V. Georgieva, G. Georgiev, Ion-imprinted polymethacrylic microbeads as new sorbent for preconcentration and speciation of mercury, Talanta 78 (2009) 523-529.
340. S. Stanimirov, A. Vasilev, E. Haupt, I. Petkov, T. Deligeorgiev, Synthesis and spectral properties of novel fluorescent poly(oxyethylene phosphate) tris(β-diketonate) europium(III) complexes", J. Fluoresc. 19(1) (2009) 85-95.
341. G. Ahmed, I. Petkov, S. Gutzov, J. Incl. Phenom. Macrocyclic Chem. 64 (2009) 134-138.
342. P. A. Wierenga, E. S. Basheva, N. D. Denkov, Modified Capillary Cell for Foam Film Studies Allowing Exchange of the Film-Forming Liquid, Langmuir 25 (2009) 6035-6039.
343. S. S. Tabakova, K. D. Danov, Effect of Disjoining Pressure on the Drainage and Relaxation Dynamics of Liquid Films with Mobile Interfaces, J. Colloid Interface Sci. 336 (2009) 273-284.
344. P. A. Wierenga, L. van Norél, E. S. Basheva, Reconsidering the Importance of Interfacial Properties in Foam Stability, Coll. & Surfaces A: Physicochem. Eng. Aspects 344 (2009) 72-78.
345. K. G. Marinova, E. S. Basheva, B. Nenova, M. Temelska, A. Y. Mirarefi, B. Campbell, I. B. Ivanov, Physico-chemical Factors Controlling the Foamability and Foam Stability of Milk Proteins: Sodium Caseinate and Whey Protein Concentrates, Food Hydrocolloids 23 (2009) 1864-1876.
346. M. P. Boneva, K. D. Danov, N. C. Christov, P. A. Kralchevsky, Attraction between Particles at a Liquid Interface Due to the Interplay of Gravity- and Electric-Field-Induced Interfacial Deformations, Langmuir 25 (2009) 9129-9139.
347. N. D. Denkov, S. Tcholakova, K. Golemanov, K.P. Ananthpadmanabhan, A. Lips, The Role of Surfactant Type and Bubble Surface Mobility in Foam Rheology, Soft Matter 5 (2009) 3389-3408.

348. N. D. Denkov, S. Tcholakova, K. Golemanov, A. Lips, Jamming in Sheared Foams and Emulsions, Explained by Critical Instability of the Films between Neighboring Bubbles and Drops, Phys. Rev. Lett. 103 (2009) 118302.
349. N. Alexandrov, K. G. Marinova, K. D. Danov, I. B. Ivanov, Surface Dilatational Rheology Measurements for Oil/Water Systems with Viscous Oils, J. Colloid Interface Sci. 339 (2009) 545-550.
350. T. Spassov, S. Todorova, V. Petkov, "Kinetics of Mg6Ni nanocrystallization in amorphous Mg83Ni17", J. Non-Cryst. Solids 355(1) (2009) 1-5.
351. B. Drenchev, T. Spassov, "Influence of B substitution for Ti and Ni on the electrochemical hydriding of TiNi", J. Alloys Comp. 474 (2009) 527-530.
352. S. Todorova, T. Spassov, "Mg6Ni formation in rapidly quenched amorphous Mg-Ni alloys", J. Alloys Comp. 469 (2009) 193-196.
353. Tz. Himitliiska, T. Spassov, N. Dimitrov, "Effect of SEM electron beam on the hydrogen desorption of pre-charged amorphous Cu33Ti67 alloys", Mater. Charact. 60(1) (2009) 26-29.
354. Tz. Himitliiska, T. Spassov, "Hydrogen in amorphous TM33Zr67 (TM=Fe, Co, Ni) alloys", J. Thermal Anal. Calor. 96(2) (2009) 347-351.
355. T. Spassov, L. Lyubenova, Y. Liu, S. Bliznakov, M. Spassova, N. Dimitrov, "Mechanochemical synthesis, thermal stability and selective electrochemical dissolution of Cu-Ag solid solutions", J. Alloys Comp. 478(1-2) (2009) 232-236.
356. M. Karavasteva, "The effect of nonylphenylpolyethylene glycol on the kinetics and morphology of silver cemented using zinc, iron, copper and aluminum", Hydrometallurgy 95 (2009) 337 - 340.
357. M. Karavasteva, Effect of Certain Surfactants on the Leaching and Precipitation Processes in Zinc Ferrite Residue Treatment, Mineral Process. Extract. Metall. Review, 30 (2009) 122-135.
358. R. Tsekov, Nonlinear theory of quantum Brownian motion, Int. J. Theor. Phys. 48 (2009) 85.Публикации в чуждестранни издания - ХФ
359. R. Tsekov, Thermo-quantum diffusion, Int. J. Theor. Phys. 48 (2009) 630.
360. R. Tsekov, Towards nonlinear quantum Fokker-Planck equations, Int. J. Theor. Phys. 48 (2009) 1431.
361. R. Tsekov, Dissipative time dependent density functional theory, Int. J. Theor. Phys. 48 (2009) 2660.
362. R. Tsekov, Dissipative and quantum mechanics, New Adv Phys 3 (2009) 35.
363. X. Qu, L. Wang, S.I. Karakashev, A.V. Nguyen, Anomalous Thickness Variation of the Foam Films Stabilized by Weak Nonionic Surfactants, J. Coll. Interface Sci. 337 (2009) 538-547.
364. C. L. Henry, S.I. Karakashev, Ph. T. Nguyen, A.V, Nguyen, V. S. J., Craig, Ion Specific Effects on Thin Film Drainage, Rupture and Lifetime in Nonaqueous Solvents Propylene Carbonate and Formamide, Langmuir 25(17) (2009) 9931-9937.
365. B. C. Donose, E. Taran, M. A. Hampton, S. I. Karakashev, A. V. Nguyen, Carbon Nanotube Air-Bubble Interactions Studied by Atomic Force Microscopy, Adv. Powder Techn. 20 (2009) 257-261.
366. S. I. Karakashev, A.V. Nguyen, Do Liquid Films Rupture due to the So-called Hydrophobic Force or Migration of Dissolved Gases?, Langmuir 25(6) (2009) 3363-3368.
367. O. Ozdemir, S. I. Karakashev, A.V. Nguyen, J.D. Miller, Adsorption and Surface Tension Analysis of Concentrated Alkali Halide Brine Solutions, Minerals Engineering 22(3) (2009) 263-271.

368. O. Ozdemir, E. Taran, M. Hampton, S. I. Karakashev, A.V. Nguyen, Surface Chemistry Aspects of Coal Flotation in Bore Water, Intern. J. Mineral Process. 77 (2009) 177-183.
369. A. S. Malcolm, A. F. Dexter, J. A. Katakdhond, S. I. Karakashev, A. V. Nguyen, A. P. J. Middelberg, Tuneable Control of Interfacial Wrinkling and Emulsion Coalescence, Chem. Phys. Chem. 10(5) (2009) 778-781.
370. S. I. Karakashev, A.V. Nguyen, Meniscus Deformation and Dynamics of Moving Contact Line between Polyethylene Terephthalate Surface and Glycerol-Water Mixtures, Asian-Pacific J. Chem. Eng. 4(2) (2009) 204-210.
371. S. I. Karakashev, A. V. Nguyen, The Importance of Aspect Ratio in Profile Analysis Tensiometry, J. Coll. Interface Sci. 330(2) (2009) 501-504.
372. N. Gospodinova, D. A. Ivanov, D. V. Anokhin, I. Mihai, L. Vidal, S. Brun, J. Romanova, A. Tadjer, Unprecedented Route to Ordered Polyaniline: Direct Synthesis of Highly-Crystalline Fibrillar Films with Strong pi-pi Stacking Alignment, Macromolec. Rapid Comm. 30 (2009) 29-33.
373. Zh. Velkov, Y. Velkov, B. Galunska, D. Paskalev, A. Tadjer, Melatonin: Quantum-chemical and Biochemical Investigation of Antioxidant Activity, Eur. J. Med. Chem. 44 (2009) 2834-2839.
374. J. Romanova, T. Miteva, A. Ivanova, A. Tadjer, M. Baumgarten, An In-depth Theoretical Approach to the Design of Hybrid-Spin Systems, Phys. Chem. Chem. Phys. 11 (2009) 9545–9555.
375. . E. Vladimirov, A. N. Ivanova, N. Rösch, Solvent Reorganization Energies in A-DNA, B-DNA, and Rhodamine 6G–DNA Complexes from Molecular Dynamics Simulations with a Polarizable Force Field, J. Phys. Chem. B 113 (2009) 4425–4434.
376. J. Petrova, J. Romanova, G. Madjarova, A. Ivanova, A. Tadjer, Influence of the Level of Protonation on the Geometry and the Electronic Structure of Emeraldine Oligomers, Prog. Theor. Chem. Phys. 20 (2009) 219-251.
377. D. Exerowa, D. Platikanov, Thin Liquid Films from Aqueous Solutions of Non-ionic Polymeric Surfactant, Adv. Coll. Interface Sci. 147-148 (2009) 74-87.
378. V. Simulesci, E. Manev, G. Ilia, Drainage and Stability of Foam Films from Aqueous Solutions of a Single Nonionic Surfactant C12E6, Optoelectronics & Advanced Materials, Rapid. Comm. 3 (2009) 155-159.
379. G. As. Georgiev, E. Kutzarova, A. Jordanova, A. Tzanova, C. S. Vassilieff, Z. Lalchev, Tunning of surface properties of thin lipid-protein films by hydrophilic non-surface active polymers, Biotechnology and Biotechnological Equipment 23 (2009) 547-550.
380. M. Nedyalkov, L. Alexandrova, D. Platikanov, B. Levecke,T. Tadros. Wetting films from aqueous solutions of polymeric surfactants on hydrophobic solid surface, Coll. Interface Sci. A (2009) in press.
381. S. K. Peneva, K. D. Djuneva, N. S. Neykov, Metastable crystalline states of tin; j-Sn and j-Sn structures, Zeitschrift fuer Kristallographie (2009) in press.
382. M. Akkurt, S. Karaca, M. G. Bogdanov, M. I. Kandinska, O. Büyükgüngörc, Methyl trans-(±)-1-oxo-2-phenethyl-3-(thiophen-2-yl)-1,2,3,4-tetrahydroisoquinoline-4-carboxylate, Acta Cryst. E65 (2009) o1287-o1288.
383. Z. Baktır, M. Akkurt, M. I. Kandinska, M. G. Bogdanov, O. Büyükgüngörc, (S)-Methyl 2-[(3R,4R)-2-benzyl-3-(2-furyl)-1-oxo-1,2,3,4-tetrahydroisoquinoline-4-carboxamido]-3-(1H-indol-3-yl)propanoate, Acta Cryst. E65 (2009) o1461-o1462.
384. M. Valyova, V. Hadjimitova, S. Stoyanov, Y. Ganeva, T. Traykov, I. Petkov, Free radical scavenging activity of extracts from Bulgarian Veronica officinalis L. and GC-MS analysis of ethanol extract, The Internet J. Aesthetic Antiaging Medicine 2(1) 2009,

385. M. Valyova, V. Hadjimitova, S. Stoyanov, Y. Ganeva, T. Traykov, I. Petkov, Radical scavenger and Antioxidant activities of extracts and fractions from Bulgarian Ononis spinosa L. and GC-MS analysis of Ethanol extract, The Internet J. Alternative Medicine 7(2) 2009.
386. G. P. Petrova, G. N. Vayssilov, N. Rösch, Hydrogen adsorption on zeolite-supported tetrairidium clusters. Thermodynamic modeling from density functional calculations, J. Phys. Chem. C 112 (2008) 18572-18577.
387. P. Petkov, G. Vayssilov, S. Krüger, N. Rösch, Density functional study of Ni6 clusters containing impurity atoms, Chem. Phys. 348 (2008) 61.
388. P. Petkov, G. Vayssilov, S. Krüger, N. Rösch, CO Coordination at XNi4 Clusters with Impurities X = H, C, O. A Density Functional Study, J. Phys. Chem. A 112 (2008) 8523-8528.
389. A. M. Shor, E. A. Ivanova Shor, S. Laletina, V. A. Nasluzov, G. N. Vayssilov, N. Rösch, Effect of the size of the quantum region in a hybrid embedded-cluster scheme for zeolite systems, Chemical Physics 363 (2009) 33-41.
390. L. V. Moskaleva, H. A. Aleksandrov, D. Basaran, Z.-J. Zhao, N. Rösch, Ethylidyne Formation from Ethylene over Pd(111): Alternative Routes from a Density Functional Study, J. Phys. Chem. C 113(34) (2009) 15373–15379.
391. L. V. Moskaleva, Z.-Xu Chen, H. A. Aleksandrov, A. B. Mohammed, Q. Sun, N. Rösch, Ethylene Conversion to Ethylidyne over Pd(111): Revisiting the Mechanism with First-Principles Calculations, J. Phys. Chem. C 113(6) (2009) 2512–2520.
392. S. M. Kozlov, I. V. Yudanov, H. A. Aleksandrov, N. Rösch, Theoretical study of carbon species on Pd(111): competition between migration of C atoms to the subsurface interlayer and formation of Cn clusters on the surface, Phys. Chem. Chem. Phys., 11 (2009) 10955–10963.
393. M. Dimitrova, D. Dragolova, V. Kapchina-Toteva, J. Zagraniarski, T. Tsholakova, Herbicide and tobacco callus growth regulated activity of newly synthesized substances, Biotechnol. & Biotechnol. EQ. 23 (2009) 323-325.
394. P. Y. Petrov, N. G. Vassilev, S. E. Angelova, B. L. Shivachev, G. P. Petrov, Mechanism and stereoselectivity of the phosphinylation of 3-acyl coumarins - stereocontrol via concurrent aromatic interaction / oxaphosphole formation, Lett. Org. Chem. 6(2) (2009) 180-185.
395. P. Y. Petrov, M. Stoyanova, B. Shivachev, 4-Methyl-1-Phenylquinolin-2(1H)-one, Acta Cryst. E64 (2008) o72.
396. B. Shivachev, P. Petrov, M. Stoyanova, Synthesis and crystal structure of 4-methyl-6H-pyrido[3,2,1-jk]carbazol-6-one, J. Chem. Cryst. 39 (2009) 209–212
397. M. G. Bogdanov, W. Kantlehner, Simple prediction of some physical properties of ionic liquids: The residual volume approach, Zeitschrift fur Naturforschung - Section B J. Chem. Sci. 64(2) (2009) 215-222.
398. M. G. Bogdanov, B. Iliev, W. Kantlehner, The residual volume approach II: Simple prediction of ionic conductivity of ionic liquids, Zeitschrift fur Naturforschung - Section B J. Chem. Sci. 64(6) (2009) 756-764.
399. M. Akkurt, Z. Baktr, M. G. Bogdanov, I.V. Svinyarov, O. Büyükgüngör, Trans-6,7-Dimethoxy-1-oxo-3-(2-thienyl)isochroman-4-carboxylic acid, Acta Cryst. Section E: Structure Reports Online 65(6) (2009) o1377.
400. I. Ivanov, D. Tasheva, R. Todorova, M. Dimitrova, Synthesis and use of 4-peptidylhydrazido-N-hexyl-1,8-naphthalimides as fluorogenic histochemical substrates for dipeptidyl peptidase IV and tripeptidyl peptidase, Eur. J. Med. Chem. 44 (2009) 384.
401. Petinova, St. Stojanov, St. Mezov, I. Petkov, Spectral properties and supramolecular inclusion complex formation between 2-styrylbenzothiazolium dye and cyclodextrins, J. Incl. Phenom. Macrocyclic Chem. (2009) accepted.

402. S. S. Stanimirov, I. K. Petkov, Photophysical properties of novel fluorescent poly(oxyethylene phosphate) tris(β-diketonate) europium (III) complexes, Spectrochim. Acta – Part A: Mol. Biomol. Spectrosc. 72(5) (2009) 1127-1133.
403. N. I. Petkova, R. D. Nikolova, A. G. Bojilova, N. A. Rodios, J. Kopf, Synthesis of heterocyclic methylenebisphoshponates by 1,3-dipolar cycloaddition of ethyl diazoacetate to 1,2-benzoxaphosphorin-3-phosphonates, Tetrahedron 65 (2009) 1639-1647.
404. G. Yordanov, G. Gicheva, C. Dushkin, Optical memory based on photo-activated fluorescence of core/shell CdSe/CdS quantum dots embedded in poly(butylmethacrylate)", Materials Chemistry and Physics 113 (2009) 507-510.
405. G. Yordanov, M. Simeonova, R. Alexandrova, H. Yoshimura, C. Dushkin, Quantum dots tagged poly(alkylcyanoacrylate) nanoparticles intended for bioimaging applications, Colloids Surfaces A 339 (2009) 199-205.
406. G. Yordanov, N. Kaneva, C. Dushkin, Synthesis and characterization of novel core-shell colloidal particles ZnO/poly(ethylcyanoacrylate), Colloid Polymer Sci. 287 (2009) 733-738.
407. N. Kaneva, G. Yordanov, C. Dushkin, Photocatalytic action of ZnO thin films prepared by sol-gel method, React. Kinet. Catal. Lett. 98 (2009) 259-263.
408. G. Yordanov, Poly(alkylcyanoacrylate) nanoparticles: preparation and biomedical applications, In: International Exchange Programs Guest Lecture Series 6 (2009) Meiji University Press, Tokyo, Japan.
409. J. Vila-Comamala, K. Jefimovs, T. Pilvi, M. Ritala, S. S. Sarkar, H. H. Solak, V. A. Guzenko, M. Stampanoni, F. Marone, J. Raabe, G. Tzvetkov, R. H. Fink, D. Grolimund, C. N. Borca, B. Kaulich, C. David, Advanced X-ray difrractive optics, J. Phys.: Conference Series 186 (2009) 012078.
410. J. Raabe, B. Watts, G. Tzvetkov, R. H. Fink, C. Quitmann, First differential phase contrast results from PolLux, J. Phys.: Conference Series 186 (2009) 012012
411. M. G. C. Vernooij, M. Mohr, G. Tzvetkov, V. Zelenay, T. Huthwelker, R. Kaegi, R. Gehrig, B. Grobéty, On source identification and alteration of single diesel and wood smoke soot particles in the atmosphere; an x-ray microspectroscopy study, Environm. Sci. Techn. 43 (2009) 5339–5344.
412. R. Fink, C. Hub, G. Tzvetkov, Zone-plate based nanospectroscopy with soft x-rays at the SLS, Acta Phys. Polonica A 115 (2009) 462-466.
413. G. Tzvetkov, P. Fernandes, S. Wenzel, A. Fery, G. Paradossi, R. H. Fink, Soft X-ray induced modifications of PVA-based microbubbles in aqueous environment: a microspectroscopy study, Phys. Chem. Chem. Phys. 11 (2009) 1098-1104.
414. B. Donkova, B. Kotzeva, P. Vasileva, D. Mehandjiev, Thermal magnetic investigation of the decomposition of NixMn1-xC2O4.2H2O, Termochim. Acta 481 (2009) 12-19.
415. H. Hristov, P. Vasileva, N. Riskov, C. Dushkin, Morphology and optical characteristics of hybrid matrix films with incorporated silver nanoparticles, J. Optoelectronics Adv. Mater. 11(9) (2009) 1343-1346.
416. S. Anachkov, P. Vasileva, C. Dushkin, Preparation of two-dimensional direct opals by controlled assembly of silica spheres, J. Optoelectronics Adv. Mater. 11(9) 2009 1355-1358.
417. J. Zaharieva, M. Milanova, M. Mitov, L. Lutov, S. Manev, D. Todorovsky, Corrosion of aluminium and aluminium alloy in ethylene glycol–water mixtures, J. Alloys Comp. 470 (2009) 397–403.
418. K. A. Temelkov, N. K. Vuchkov, I. Freijo-Martin, A. Lema, L. Lyutov, N. V. Sabotinov, Experimental study on the spectral and spatial characteristics of a high-power He–SrBr2 laser, J. Phys. D: Appl. Phys. 42 (2009) 115105.

419. K. A. Temelkov, N. K. Vuchkov, B. Mao, E. P. Atanassov, L. Lyutov, N. V. Sabotinov (Assoc. Memb.), High-Power Sr Atom Laser Excited in Nanosecond Pulsed Longitudinal He-SrBr2 Discharge, IEEE J. Quantum Electronics 45(3) (2009) 278.
420. L. Lyutov, Determination of the supersaturation in the LiIO3-HIO3-H2O system using a Refractive index value at near saturation concentration, J. Cryst. Growth 311 (2009) 4433-4436.
421. M. Uzunova-Bujnova, R. Todorovska, M. Milanova, R. Kralchevska, D. Todorovsky. On the spray-drying deposition of TiO2 photocatalytic films. Appl. Surf. Sci. 250 (2009) 830-837.
422. S. M. Emin, N. Sogoshi, S. Nakabayashi, T. Fujihara, C. D. Dushkin, Kinetics of photochromic induced energy transfer between manganese-doped zinc-selenide quantum dots and spiropyrans, J. Phys. Chem. C 113(10) (2009) 3998-4007.
423. S. Emin, N. Sogoshi, S. Nakabayashi, M. Villeneuve, C. Dushkin, Growth kinetics of CdS quantum dots and synthesis of their polymer nano-composites in CTAB reverse micelles, J. Photochem. Photobiol. A: Chem. 207(2-3) (2009) 173-180.
424. G. Doyen, D. Drakova, Theory of Decoherence at Solid Surfaces, Surface Sci. 603 (2009) 1579.
425. M. Nedjalkova, In: HPC –Europe annual reports (2010).
426. B. V. Donkova, K. I. Milenova, D. R. Mehandjiev, Catalytic activity of doped low percentage oxide catalysts Cu/ZnO obtained from oxalate precursor, Oxid. Comm. 32(3) (2009) 579–592.
427. B. Donkova, D. Dimitrov, M. Kostadinov, E. Mitkova, D. Mehandjiev, Catalytic and photocatalytic activity of lightly doped catalysts Me:ZnO (Me = Cu, Mn), Mater. Chem. Phys. 123(2-3) (2009) 563-568.
428. T. G. Deligeorgiev, S. Kaloyanova, J. J. Vaquero, Intercalating Cyanine Dyes for Nucleic Acid Detection, Recent Pat. Mater. Sci. 2(1) (2009) 1-26.
429. E. Kamenska, B. Kostova, I. Ivanov, D. Rachev, G. Georgiev, Synthesis and characterization of zwitterionis copolymers as matrices for sustained Metoprolol tartrate delivery, J. Biomater, Sci., Polym. Ed. 20 (2009) 181-197.
430. I. Ivanov, I. Tsacheva, V. Stoyanova, M. Nikolov, M. Tchorbadjieva, S. Petrova, L. Christov, V. Georgieva, G. Georgiev, Chaperon-like effect of polyzwitteriones on the interaction of C1q with IgG, Zeitshrift fur Naturforschung (2009) (in press).
431. P. Langehanenberg, L. Ivanova, I. Bernhardt, S. Ketelhut, A. Vollmer, D. Dirksen, G. Georgiev, G. von Bally, B. Kemper Automated 3D-Tracking of Living Cells by Digital Holographic Microscopy, Biomedical Optics (2009) (accepted).
432. V. Lyutov, G. Georgiev, V. Tsacheva, Comparative Study on the electrochemical synthesis of Polyaniline in the presence of Mono- and Poly(2-Acrylamido-2-Methyl-1-Propanesulfonic Acid, Electrochem. Acta (2009) (accepted).
433. I. Ivanov, I. Tsacheva, V. Stoyanova, M. Nikolov, M. I. Tchorbadjieva, S. Petrova, L. Christov, V. Georgieva, G. Georgiev, Chaperone-like effect of polyzwitterions on the interaction of C1q with IgG, Zeitschrift fur Naturforschung - Section C J. Biosci. 64(1-2) (2009) 149-154.
434. D. Cheshmedzhieva, S. Ilieva, B. Hadjieva, B. Galabov, The Mechanism of alkaline Hydrolysis of Amides. A Comparative Computational and Experimental Study of the Hydrolysis of N-Methylacetamide, N-Methylbenzamide and Acetanilide, J. Phys. Org. Chem. 22 (2009) 619.
435. D. Cheshmedjieva, S. Ilieva, B. Hadjieva, T. Trayanova, B. Galabov, "Reactivity of Acetanilides in the Alkaline Hydrolysis Reaction: Theory vs. Experiment", Mol. Phys. 107 (2009) 1187.

436. M. Dimitrova, B. Galabov, “Predicting the Acidities of Substituted Phenols Using Electrostatic Potential at Nuclei”, Croat. Chem. Acta 82 (2009) 21 (Special issue dedicated to Prof. Z. B.Maksic).
437. D. Zhiryakova, I. Ivanov, S. Ilieva, M. Guncheva, B. Galunsky, N. Stambolieva, “Do N-terminal nucleophile hydrolases indeed have a single amino acid catalytic center?”, FEBS Journal 276 (2009) 2589.
438. W. Li, A. K. Schlarb, M. Evstatiev, Effect of Viscosity Ratio on the Morphology of Microfibrils in Uncompatibilized and Compatibilized Drawn PET/PP/TiO2 Blends, J. Polymer Sci. Part B: Polymer Physics 47(6) (2009) 555-562.
439. W. Li, M. Evstatiev, A. K. Schlarb, Study of PET/PP/TiO2 Microfibrillar-Structured Composites: Part 1. Preparation, Morphology and Dynamic Mechanical Analysis of Fibrillized Blends, J. Appl. Polym. Sci. 113(3) (2009) 1471-1479.
440. M. Evstatiev, I. Angelov, K. Friedrich, Structure and Properties of Microfibril reinforced Composites based on PET/LDPE Blend Manufactured by Means of Pultrusion, J. Polymer Sci. Part B: Polymer Physics (2009) (in press)
441. W. Li, M. Evstatiev, A. Schlarb, Study of PET/PP/TiO2 Microfibrillar-Structured Composites: Part 2. Morphology and Mechanical Analysis, J. Appl. Polym. Sci. 113(5) (2009) 3300-3006.
442. W. Li, A. K. Schlarb, M. Evstatiev. Influence of the processing window and weight ratio on the morphology of the extruded and drawn PET/PP blends, Polymer Engineering and Science 49(10) (2009) 1929-1936.
443. w. Li, A. K. Schlarb, M. Weber, M. Evstatiev, Deformation of Dispersed PA66 Phase in Drawn PA66/SAN Blend, Polymer Bulletin (2009).
444. D. Xu, J. Karger-Kocsis, A. A. Apostolov, Hybrids from HNBR and in situ polymerizable cyclic butylene terephthalate (CBT): Structure and rolling wear properties, Eur. Polym. J. 45(4) (2009) 1270-1281.
445. N. Avramova, I. Avramov, S.Gutzov; E. Fuglein, J. Non-Cryst. Solids (2009).
446. O. Petrov, M. Gerova, K. Petrova, Y. Ivanova, New Imidazole Derivatives of 2(3H)-Benzazolones as Potential Antifungal Agents, J. Heterocycl. Chem., 46 (2009) 44-48.
447. Tz. Tzanova, M. Gerova, O. Petrov, M. Karaivanova, D. Bagrel, Synthesis and antioxidant potential of novel synthetic benzophenone analogues, Eur. J. Med. Chem. 44 (2009) 2724-2730.
448. Y. Ivanova, G. Momekov, O. Petrov, Synthesis of Novel Substituted 1,3-diarylpropenone Derivatives and their In Vitro Cytotoxic Activity, Lett. Drug Design Discov. 6 (2009) 5.
449. G. Koleva, B. Galabov, J. Wu, H. F. Schaefer, P. v. R. Schleyer, Electrophile Affinity: a Reactivity Measure for Aromatic Substitution, J. Am. Chem. Soc. 131 (2009) 14722.
450. P. Petrova, R. Tomova, R. Stoycheva-Topalova, S. Kaloyanova, T. Deligeorgiev, Novel Al-complex as emitter in organic light emitting diodes, Optoelectronics and Advanced Materials – Rapid Comm. (OAM – RC) 3(5) (2009) 424-427.
451. O. K. Kutsenko, V. M. Trusova, G. P. Gorbenko, L. A. Limanskaya, T. Deligeorgiev, A. Vasilev, S. Kaloyanova, N. Lesev, Fluorimetric study of interaction between Europium coordination complexes and DNA , Biophys. Bull. 23(2) (2009) 40-45.
452. L. Glavaš-Obrovac, I. Piantanida, S. Marczi, L. Mašic, I. I. Timcheva, T. G. Deligeorgiev, Minor structural differences of monomethine cyanine derivatives yield strong variation in their interactions with DNA, RNA as well as on their in vitro antiproliferative activity, Bioorg. Med. Chem. 17 (2009) 4747–4755.
453. V. M. Trusova, G. P. Gorbenko, T. Deligeorgiev, N. Gadjev, A. Vasilev, A Novel Squarylium Dye for Monitoring Oxidative Processes in Lipid Membranes, J. Fluoresc. 19(6) (2009) 1017-1023.

454. T. G. Deligeorgiev, S. Kaloyanova, J. J. Vaquero, Intercalating Cyanine Dyes for Nucleic Acid Detection, Recent Pat. Mater. Sci. 2(1) 2009, 1-26.

455. I. N. Pantcheva, R. Zhorova, M. Mitewa, S. Simova, H. Mayer-Figge, W. S. Sheldrick, First Solid State Alkaline-earth Complexes of Monenensic Acid A (MonH): Crystal Structure of [M(Mon)2(H2O)2] (M = Mg, Ca) Spectral Properties and Cytotoxicity Against Aerobic Gram-positive Bacteria, Biometals 23 (2010) 59-70.

456. A. Ahmedova, N. Burdzhiev, S. Ciattini, E. Stanoeva, M. Mitewa, Synthesis, Structure, Spectral and Coordination Properties of a Crown Ether Derivative of 1,3 - Indandione. A New Structural Evidence for the versatile reactivity of 2-acetyl-3-indandione, Compt. Rend. Chem. 13 (2010) 1269-1277. doi: 10.1016/j.crci.2009.10.010.

457. I. N. Pantcheva, J. Ivanova, R. Zhorova, M. Mitewa, S. Simova, H. Mayer-Figge, W. S. Sheldrick, Nickel(II) and Zinc(II) Dimonenzinates: Crystal Structure, Spectral Properties and Bactericidal Activity, Inorg.Chim.Acta 363 (2010) 1879-1886. doi:10.1016/j.ica.2010.02.009

458. A. Ahmedova, P. Marinova, K. Paradowska, N. Stoyanov, I. Wawer, M. Mitewa, Spectroscopic Aspects of the Coordination Modes of 2,4-dithiohydantoins. Experimental and Theoretical Study on Copper and Nickel Complexes of Cyclohexanespiro-5-(2,4-dithiohydantoin), Inorg. Chim. Acta 363 (2010) 3919-3925.

459. A. Ahmedova, P. Marinova, K. Paradowska, M. Marinov, I. Wawer, M.Mitewa, Structure of 2,4-Dithiohydantoin Complexes with Copper and Nickel – Solid State NMR as Verification Method, Polyhedron 29 (2010) 1639-1645. doi:10.1016/j.poly.2010.02.008

460. J. Ivanova, I. N. Pantcheva, M. Mitewa, S. Simova, H. Mayer-Figge, W. S. Sheldrick, Crystal Structures and Spectral Properties of New Cd(II) and Hg(II) Complexes of Monensic Acid With Different Coordination Modes, Cent. Eur. J. Chem. 8 (2010) 852-860.

461. I. Marinov, V. N. Atanasov, E. Stankova, D. Duhalov, S. Petrova, A. Hubenova, Severe coagulopathy after Vipera ammodytes ammodytes snakebite in Bulgaria: a case report. Toxicon 56(6) (2010) 1066-1069.

462. I. Pantcheva (2010, July 21). Coordination ability of monovalent polyether ionophorous antibiotics towards divalent metal ions. SciTopics. Retrieved July 21, 2010, from http://www.scitopics.com/Coordination_ability_of_monovalent_polyether_ionophorous_antibiotics_towards_divalent_metal_ions.html

463. A. Ahmedova, G. Pavlovich, D. Zhiryakova, D. Sisak, N. Stoyanov, M. Springborg, M. Mitewa, Experimental and Theoretical Study on the Structure and Optical properties of 2-acyl-1,3-indandiones – Conformational Effects, J. Mol. Str. 981 (2010) 10-20.

464. Y. Gluhcheva, M. Madzarova, V. Atanasov, R. Nizamova, M. Mitewa, Influence of Co(II) chloride on Plasma Iron Level in mice, Ser. Biomechanics, 25 (2010) 147-149.

465. K. Tsekova, D. Todorova, S. Ganeva (Arpadjian), Removal of heavy metals from industrial wastewater by free and immobilized cells of Aspergillus nige", Intern. Biodeterioration and Biodegradation 64 (2010) 447–451.

466. K. Tsekova, D. Todorova, V. Dencheva, S. Ganeva (Arpadjian), Biosorption of copper(II) and cadmium(II) from aqueous solutions by free and immobilized biomass of Aspergillus niger, Bioresource Techn. 101 (2010) 1727–1731.

467. V. Ljubomirova, V. Mihaylova, R. Djingova, Determination of inorganic platinum-chloro complexes and their hydrolysis products in spiked soil samples, Asian Chem. Lett. 14 (2010) 31.

468. S. Tsakovski, M. Tobiszewski, V. Simeonov, Z. Polkowska, J. Namiesnik, Chemical Composition of Water from the Roofs in Gdansk, Poland, Envir. Pollut. 158 (2010) 84-91.

469. S. Tsakovski, J. Zukowska, P. Bode, M. K. Bizuk, A. Kowalczyk, Self-organizing maps classification of epidemiological data and toenail selenium content monitored on cancer and healthy patients from Poland, J. Environ. Sci. Health A 45 (2010) 313-319.
470. A. Astel, S. Cozzutto, F. Cozzi, G. Adami, P. Barbieri, S. Tsakovski, V. Simeonov, Seasonal Apportionment of the Sources of Ambient Air Particulates in the City of Trieste, Int. J. Environ. Pollut. 41(1-2) (2010) 70-89.
471. A. Astel, M. Nikolov, V. Christov, P. Simeonova, V. Simeonov, Chemometric Assessment of Clinical Data for Diabetes Mellitus 2 Type Patients using Self-organizing Maps, J. Environ. Sci. Health, A. 45(5) (2010) 560-568.
472. K. Schaefer, J. Einax, V. Simeonov, S. Tsakovski, Geostatistical and Multivariate Statistical Analysis of Heavily and Manifoldly Contaminated Soil Samples, Anal. Bioanal. Chem, 396 (2010) 2675-2683.
473. V. Simeonov, P. Simeonova, S. Tsakovski, V. Lovchinov, Lake Water Monitoring Data Assessment by Multivariate Statistics, J. Water Res. Protect. 2 (2010) 354-362.
474. I. Diadovski, M. Atanassova, V. Simeonov, Risk Assessment of Extreme Events along a River Flow, J. Water Res. Protect. 2 (2010) 455-461.
475. M. Tobiszewski, S. Tsakovski, V. Simeonov, J. Namiesnik, Surface Water Quality Assessment by the Use of Multivariate Statistical Classification and Expert Information, Chemosphere 80(7) (2010) 740-746.
476. A. Astel, V. Simeonov, H. Bauer, H. Puxbaum, Multidimensional Modeling of Aerosol Monitoring Data, Envir. Pollut. 158 (2010) 3201-3208.
477. S. Tsakovski, A. Astel, V. Simeonov, Assessment of the water quality of a river catchment by chemometric expertise, J. Chemomet, 24(11-12) (2010) 694-702.
478. I. Diadovski, M. Atanassova, V. Simeonov, Integral Assessment of the transboundary Mesta River Trophic Pollution in Bulgaria, Ecol. Chem. Eng. 17(2-3) (2010) 199-215.
479. P. Simeonova, D. Simeonov, L. Spasov, V. Lovchinov, V. Simeonov, Environmetric Assessment of Pollutant Concentration Effects on Forest Ecosystems, Asian Chem. Lett. 14(3) (2010) 187-192.
480. G. Momekov, M. Karaivanova, I. Ugrinova, E. Pasheva, G. Gencheva, D. Tsekova, S. Arpadjan, P. R. Bontchev, In vitro pharmacological study of monomeric platinum(III) hematoporphyrin IX complexes, Invest. New Drugs (2010), 10 pages, doi: 10.1007/s10637-010-9412-8.
481. . S. Zareva, I. Kuleff, The application of the derivative IR-spectroscopy and HPLC-ESI-MS/MS in the analysis of archaeological resin, Spectrochim. Acta Part A 76 (2010) 283–286.
482. R. Djingova, B. Zlateva, I.Kuleff, On the sample preparation of archaeological bones for elemental analysis, Asian Chemistry Lett. 14 (2010) 177-186
483. B. B. Ivanova, D. Tasheva, H. Mayer-Figge, W.S. Sheldrick, M. Spiteller, Properties of the Michael's adducts of the substituted 2-amino-5-oxonitriles, Spectrochim. Acta Part A: Mol. Biomol. Spectrosc. 77(3) (2010) 588.
484. R. D. Nikolova, B. B. Koleva, S. Zareva, T. Kolev, H. Mayer-Figge, W.S. Sheldrick, Crystal structure of 3-isonicotinoylcoumarin, Analytical Sciences, X-ray Structure Analysis Online 26 (2010) 27.
485. B. Ivanova, R. Nikolova, M. Lamshoft, P. Tsanova, I. Petkov, P. Ivanov, M. Spiteller, Surface interaction and self-assembly of cyclodextrins with organic dyes, J. Incl. Phenom. Macrocycl. Chem. 67 (2010) 317.
486. B. Todorov, A. Vasilev, T. Deligeorgiev, R. Djingova, A method for extraction of bioavalable americium based on new complex of americium-241 with a fluorinated tris-β-diketone, Asian Chem. Lett. 14(3) (2010) 25-32.

487. B. Koleva, R. Nikolova, M. Lamshoft, P. Tsanova, I. Petkov, P. Ivanov, M. Spiteller. Surface interaction and self-assembly of cyclodextrins with organic dyes. - J. Incl. Phenom. Macrocycl. Chem. 67(3) (2010) 317-324.
488. P. Vasileva, B. Donkova, I. Karadjova, C. Dushkin, Synthesis of starch-stabilized silver nanoparticles and their application as a surface plasmon resonance-based sensor of hydrogen peroxide. Coll. Surf. A: Phys. Eng. Aspects (2010) doi:10.1016/ j.colsurfa.2010.11.060
489. K. D. Danov, P. A. Kralchevsky, S. D. Stoyanov, Elastic Langmuir Layers and Membranes Subjected to Unidirectional Compression: Wrinkling and Collapse, Langmuir 26 (2010) 143-155.
490. M. P. Boneva, K. D. Danov, P. A. Kralchevsky, S. D. Kralchevska, K. P. Ananthapadmanabhan, A. Lips, Coexistence of Micelles and Crystallites in Solutions of Potassium Myristate: Soft Matter vs. Solid Matter, Colloids Surf. A 354 (2010) 172-187.
491. N. C. Christov, K. D. Danov, Y. Zeng, P. A. Kralchevsky, R. von Klitzing, Oscillatory Structural Forces Due to Nonionic Surfactant Micelles: Data by Colloidal-Probe AFM vs. Theory, Langmuir 26 (2010) 915-923.
492. I. B. Ivanov, K. D. Danov, D. Dimitrova, M. Boyanov, K. P. Ananthapadmanabhan, A. Lips, Equations of state and adsorption isotherms of low molecular non-ionic surfactants, Colloids 643. K. D. Danov, P. A. Kralchevsky, Capillary Forces between Particles at a Liquid Interface: General Theoretical Approach and Interactions between Capillary Multipoles, Adv. Colloid Interface Sci. 154 (2010) 91-103.
493. K. D. Danov, P. A. Kralchevsky, Interaction between Like-Charged Particles at a Liquid Interface: Electrostatic Repulsion vs. Electrocapillary Attraction, J. Colloid Interface Sci. 345 (2010) 505-514.
494. S. Dorbolo, D. Terwagne, R. Delhalle, J. Dujardin, N. Huet, N. Vandewalle, N. Denkov, Antibubble Lifetime: Influence of the Bulk Viscosity and of the Surface Modulus of the Mixture, Colloids Surf. A 365 (2010) 43-45.
495. S. Tcholakova, N. D. Denkov, D. Hristova, M. Deruelle, Emulsification and Emulsion Stability of Silica-charged Silicone Oils, In The Proceedings of 5th World Congress on Emulsions, Lyon, France, 2010; Paper No. 4.1-50.
496. 647. S. Tcholakova, I. Lesov, K. Golemanov, N. D. Denkov, S. Judat, Drop Size in Concentrated Emulsions, Obtained by Rotor-Stator Homogenization, In The Proceedings of 5th World Congress on Emulsions, Lyon, France, 2010; Paper No. 1.1-53.
497. N. D. Denkov, S. Tcholakova, K. Golemanov, A. Lips, Viscous Friction in Sheared Concentrated Emulsions and Foams, In The Proceedings of 5th World Congress on Emulsions, Lyon, France, 2010; Paper No. 1.3-69.
498. T. Spassov, P. Delchev, P. Madjarov, M. Spassova, Ts. Himitliiska, "Hydrogen storage in Mg–10 at% LaNi5 nanocomposites, synthesized by ball milling at different conditions", J. Alloys Comp. 495(1) (2010) 149-153.
499. B. Abrashev, T. Spassov, S. Bliznakov, A. Popov, "Microstructure and electrochemical hydriding/dehydriding proterties of ball-milled TiFe-based alloys", Int. Journal Hydrogen Energy 35 (2010) 6332-6337.
500. E. Radeva, L. Pramatarova, E. Pecheva, T. Hikov, E. Iacob, L. Vanzetti, R. Dimitrova, N. Krasteva, T. Spassov, D. Fingarova, "Study of Organosilicon Plasma Polymer Used in Composite Layers with Biomedical Application" , Proceedings of AIP 10(1) (2010) 949-954.
501. L. Pramatarova, E. Pecheva, R. Dimitrova, T. Spassov, N. Krasteva, T. Hikov, D. Fingarova, D. Mitev, "Hydroxyapatite Reinforced Coatings with Incorporated Detonationally Generated Nanodiamonds", Proceedings of AIP 10(1) (2010) 937-942.
502. Á. Révész, Zs. Kánya, T. Verebélyi, P.J. Szabó, A.P. Zhilyaev, T. Spassov, "The effect of high-pressure torsion on the microstructure and hydrogen absorption kinetics of ball-milled Mg70Ni30", J. Alloys Comp. 504 (2010) 83–88.

503. T. Spassov, Z. Zlatanova, M. Spassova, S. Todorova, "Hydrogen sorption properties of ball-milled Mg-C nanocomposites", Intern. J. Hydrogen Energy 35 (2010) 10396-10403.
504. M. Karavasteva, Kinetics and deposit morphology of gold cemented on magnesium, aluminum, zinc, iron and copper from ammonium thiosulfate-ammonia solutions, Hydrometallurgy 104 (2010) 119-122.
505. J. Ninov, I. Donchev, L. Dimova, On the kinetics of pozzolanic reaction in the system kaolin-lime-water, J. Thermal Anal. Calorim. 101(1) (2010) 107-112.
506. S. I. Karakashev, R. Tsekov, D. S. Ivanova, Dynamic effects in thin liquid films containing ionic surfactants, Colloids Surf. A 356 (2010) 40.
507. S. I. Karakashev, D. S. Ivanova, Z. K. Angarska, E. D. Manev, R. Tsekov, B. Radoev, R. Slavchov, A. V. Nguyen, Comparative validation of the analytical models for the Marangoni effect on foam film drainage, Colloids Surf A 365 (2010) 122.
508. S. I. Karakashev, R. Tsekov, E. D. Manev, A. V. Nguyen, Elasticity of foam bubbles measured by profile analysis tensiometry, Colloids Surf A 369 (2010) 136.
509. R. Slavchov, R. Tsekov, Quantum hydrodynamics of electron gases, J. Chem. Phys. 132 (2010) 084505.
510. R. Tsekov, D. S. Ivanova, R. Slavchov, B. Radoev, E. D. Manev, A. V. Nguyen, S. I. Karakashev, Streaming potential effect on the drainage of thin liquid films stabilized by ionic surfactants, Langmuir 26 (2010) 4703.
511. S. I. Karakashev, Dynamics of expanding foam films under additionally applied pressure, Colloids and Surfaces A 372(1-3) (2010) 151-154.
512. S. I. Karakashev, D. S. Ivanova, Thin Liquid Film Drainage: Ionic vs. Non-Ionic Surfactants, J. Coll. Interface Sci. 343(2) (2010) 584-593.
513. P. M. Kruglyakov, S. I. Elaneva, N.G. Vilkova, S.I. Karakashev, Investigation of Foam Drainage Using Foam Drainage Pressure Drop Technique, Colloids and Surfaces A 354(1-3) (2010) 291-297.
514. K. Mircheva, Tz. Ivanova, I. Panaiotov, V. Dusel, F. Boury, Enzymatic proteolysis of alfa gliadin monolayer spread at the air water interface, J. Coll. Int. Sci. 347 (2010) 69.
515. I. Baranovska, A. Tafrova, K. Yankulova, «Introduction à la chimie» - enseignement de la langue de la chimie. Dans: Buletin ştinţific – les langues-cultures à l'université(Ed. C.S. Stoean,N. Ivanciu, R. Capot -Stanciu, A. Lorentz). Editura ASE, Bucarest, pă p. 132 – 137 (2010).
516. N. Avramova, S. Gutzov, E. E. Füglein, I. Avramov, Preparation and thermal properties of samarium doped silica xerogels, J. Non-Cryst. Solids 356 (2010) 422-427.
517. G. Ahmed, I. Petkov, S. Gutzov, Optical properties of sol-gel materials doped with ethyl 2-(7-hydroxy-2-oxo-2H-chromen-4-yl), Eur. J. Chem. 1(4) (2010) 259-261.
518. R. Slavchov, V. Dutschk, G. Heinrich, B. Radoev, Justification of biexponential rate law of spreading over heterogeneous and rough surfaces, Colloids and Surfaces A: Physicochem. Eng. Aspects 354 (2010) 252–260.
519. T. Miteva, J. Romanova, A. Ivanova, A. Tadjer, M. Baumgarten, Theoretical study on the structural aspects of Cu(II) hybrid-spin complexes, Eur. J. Inorg. Chem. (2010) 379-390.
520. J. Romanova, J. Petrova, A. Tadjer, N. Gospodinova, Polyaniline-Water Interactions: a Theoretical Investigation with the Polarisable Continuum Model, Synth. Metals 160 (2010) 1050-1054.
521. J. Romanova, J. Petrova, A. Ivanova, A. Tadjer, N. Gospodinova, Theoretical study on the emeraldine salt - impact of the computational protocol, J. Mol. Str. (THEOCHEM) 954 (2010) 36-44.

522. S. Tzvetanov, Ph. Shushkov, M. Velinova, A. Ivanova, A. Tadjer, Molecular dynamics study of the electric and dielectric properties of model DPPC and dicaprin insoluble monolayers – size effect, Langmuir 26 (2010) 8093-8105.
523. Ph. Shushkov, S. Tzvetanov, M. Velinova, A. Ivanova, A. Tadjer, Structural Aspects of Lipid Monolayers: Computer Simulation Analyses, Langmuir 26 (2010) 8081-8092.
524. M. Velinova, V. Georgiev, T. Todorova, G. Madjarova, A. Ivanova, A. Tadjer, Boron–nitrogen- and boron-substituted anthracenes and – phenanthrenes as models for doped carbon-based materials, J. Mol. Str. (THEOCHEM) 955 (2010) 97-108
525. M. Velinova, G. Madjarova, A. Ivanova, A. Tadjer, Systematic theoretical study of Li adsorption on stable BN- and B-substituted aromatic hydrocarbons, J. Mol. Str. (THEOCHEM) 955 (2010) 109-122
526. D. Platikanov, D. Exerowa, Five Reviews on Thin Liquid Films and Five Reviews on Foams, Curr. Opin. Coll. Interface Sci. 15 (2010) 295.
527. M. Nedyalkov, L.Alexandrova, D. Platikanov, B. Levecke, Th. Tadros, Wetting films from aqueous solutions of polymeric surfactant on a hydrophobic solid surface, Colloid and Surfaces A 354(103) (2010) 22-27, ISSN 0927-7775
528. M. Velinova, D. Sengupta, S. J. Marrink, A. Tadjer, Coarse-Grained Molecular Dynamics Simulation of Micelle Formation for Peptide Encapsulation Purposes, In: Science and Supercomputing in Europe; Research Highlights 2010, HPC-Europa2 Report 2010, Ed. Silvia Monfardini, CINECA Consorzio Interuniversitario, Bolonia (2010) p.57.
529. C. Stubenrauch, P.M. Claesson, M. Rutland, E. Manev, I. Johansson, J. S. Pedersen, D. Langevin, D. Blunk, C. D. Bain, Mixtures of n-Dodecyl-Beta- D-Maltoside and Hexaoxyethylene Dodecyl Ether - Surface Properties, Bulk Properties, Foam Films and Foams, Adv. Colloid Interface Sci. 155 (2010) 5-18.
530. G. As. Georgiev, R. Gurov, A. Jordanova, C. S. Vassilieff, Z. Lalchev, Properties of alkyl-phosphatidylcholine monolayers in the presence of surface active three-block copolymers, Colloids and Surfaces B: Biointerfaces 80 (2010) 40-44.
531. E. Lilkova, L. Litov, P. Petkov, P. Petkov, S. Markov, N. Ilieva, Computer simulations of human interferon gamma mutated forms, AIP-CP. 1203 (2010) 914.
532. P. St. Petkov, G. P. Petrova, G. N. Vayssilov, H. Roesch, Saturation of Small Supported Metal Clusters by Adsorbed Hydrogen. A Computational Study on Tetrahedral Models of Rh4, Ir4, and Pt4, J. Phys. Chem. C. 114 (2010) 8500.
533. A. Migani, G. N. Vayssilov, S. T. Bromley, F. Illas, K. M. Neyman, Dramatic reduction of the oxygen vacancy formation energy in ceria particles: A possible key to their remarkable reactivity at the nanoscale, J. Mat. Chem. 20 (2010) 10535-10546.
534. M. A. Rangelov, G. P. Petrova, V. M. Yomtova, G. N. Vayssilov, Catalytic Role of Vicinal OH in Ester Aminolysis: Proton Shuttle versus Hydrogen Bond Stabilization, J. Org. Chem. 75 (2010) 6782–6792.
535. M. A. Rangelov, G. P. Petrova, V. M. Yomtova, G. N. Vayssilov, Hierarchical Approach to Conformational Search and Selection of Computational Method in Modeling the Mechanism of Ester Ammonolysis, J. Mol. Graph. Modell. 29 (2010) 246-255.
536. A. Migani, G. N. Vayssilov, S. T. Bromley, F. Illas, K. M. Neyman, Greatly facilitated oxygen vacancy formation in ceria nanocrystallites, Chem. Comm. 46 (2010) 5936-5938.

537. G. P. Petrova, G. N. Vayssilov, N. Rösch, Redox Behavior of Small Metal Clusters with Respect to Hydrogen. The Effect of the Cluster Charge from Density Functional Results, Phys. Chem. Chem. Phys. 12 (2010) 11015-11020.

538. H. A. Aleksandrov, G. N. Vayssilov, Theoretical investigation of ethane dehydrogenation on cationic Zn species in ZSM-5 zeolites - The second Al center in vicinity of the cation is essential for the accomplishment of the complete catalytic cycle, Catalysis Today 152 (2010) 78–87.

539. Z.-Xu Chen, H. A. Aleksandrov, D. Basaran, N. Rösch, Transformations of Ethylene on the Pd(111) Surface: A Density Functional Study, J. Phys. Chem. C. 114(41) (2010) 17683–17692.

540. Z.-J. Zhao, L. V. Moskaleva, H. A. Aleksandrov, D. Basaran, N. Rösch, Ethylidyne Formation from Ethylene over Pt(111): A Mechanistic Study from First-Principle Calculations, J. Phys. Chem. C. 114(28) (2010) 12190–12201.

541. P. Y. Petrov, C. M. Angelov, R. McDonald, A. Alexiev, R.G. Cavell, Dimethylsilylaminophosphane heterocyclization of isothiocyanates to diazaphosphole-thiones through zwitterionic intermediates. Heteroatom Chem 21(3) (2010) 196-202.

542. M. P. Stoyanova, S. E. Angelova, P. Y. Petrov, R. P. Nikolova, B. L. Shivachev, Synthesis of 1,2,3,4-substituted spiroheterocyclic tetrahydroisoquinoline-1-ones and their structural similarity in water solution and in crystallohydrate solid state, ARKIVOC (2010) (ii) 303-314.

543. P. Y. Petrov, C. M. Angelov, R. McDonald, A. Alexiev, R. G. Cavell, Dimethylsilylaminophosphane heterocyclization of isothiocyanates to diazaphosphole-thiones through Zwitterionic intermediates, Heteroatom Chemistry (2010) accepted

544. N. Burdzhiev, E. Stanoeva, Synthesis of piperidinones incorporating an amino acid moiety as potential SP antagonists, Comptes Rendus Chimie 13(12) (2010) 1443-1449.

545. V. Deneva, N. Burdzhiev, E. Stanoeva, L. Antonov, Tautocrowns: Aza-15-crown moiety conjugated to a tautomeric schiff base, Spectroscopy Lett. 43(1) (2010) 22-27.

546. M. G. Bogdanov, I. V. Svinyarov, B. Ivanova, M. Spiteller, Synthesis, spectroscopic and structural study of trans- and cis- (±)-3-Phenyl-4-(Pyrrolidine-1-carbonyl)Isochroman-1-Ones, Spectrochim. Acta - Part A: Mol. Biomol. Spectrosc. 77(4) (2010) 902-907.

547. M. G. Bogdanov, D. Petkova, S. Hristeva, I. Svinyarov, W. Kantlehner, New guanidinium-based room-temperature ionic liquids. Substituent and anion effect on density and solubility in water, Zeitschrift fur Naturforschung - Section B J. Chem. Sci. 65(1) (2010) pp. 37-48.

548. M. G. Bogdanov, I. Svinyarov, H. Kunkel, C. Steinle, W. Kantlehner, G. Maas, Empirical Polarity Parameters for Hexaalkylguanidinium-Based Room-Temperature Ionic Liquids, Zeitschrift fur Naturforschung - Section B J. Chem. Sci. 65(7) (2010) 791-797.

549. W. Kantlehner, J. Mezger, R. Kreß, H. Hartmann, T. Moschny, I. Tiritiris, B. Iliev, O. Scherr, G. Ziegler, B. Souley, W. Frey, I. C. Ivanov, M. G. Bogdanov, U. Jäger, G. Dospil, T. Viefhaus, Orthoamides, LXIX. Contributions to the Synthesis of N,N,N',N',N''-peralkylated Guanidines and N,N,N',N',N'',N''-persubstituted Guanidinium Salts, Zeitschrift fur Naturforschung - Section B J. Chem. Sci. 65(7) (2010) 873.

550. S. Ilieva, D. Cheshmedzhieva, D. Tasheva, The origin of diastereoselectivity in the Michael addition reaction: A computational study of the interaction between CH-acidic Schiff base and α,β-unsaturated ketones, Tetrahedron 66 (2010) 5168-5172.

551. G. B. Hadjichristov, I. L. Stefanov, S. S. Stanimirov, I. K. Petkov, The luminescence response of Eu(III)-thenoyltrifluoroacetonate complexes upon preresonant excitation with femtosecond laser pulses, Spectrochim. Acta Part A: Mol. Biomol. Spectrosc. 75(1) (2010) 448-452.
552. G. Yordanov, Z. Bedzhova, C. Dushkin, Preparation and physicochemical characterization of novel chlorambucil-loaded nanoparticles of poly(butylcyanoacrylate), Coll. Polym. Sci. 288 (2010) 893-899.
553. G. Yordanov, C. Dushkin, Preparation of poly(butylcyanoacrylate) drug-carriers by nano-precipitation using a pre-synthesized polymer and different colloidal stabilizers, Coll. Polymer Sci. 288 (2010) 1019–1026.
554. N. Kaneva, G. Yordanov, C. Dushkin, "Manufacturing of patterned ZnO films with application for photoinitiated decolorization of malachite green in aqueous solutions", Bull. Mater. Sci. 33(2) (2010) 111-117.
555. G. Yordanov, N. Abrashev, C. Dushkin, Poly(n-butylcyanoacrylate) submicron particles loaded with ciprofloxacin for potential treatment of bacterial infections, Progr. Coll. Polymer Sci. 137 (2010) 53–59.
556. G. Tzvetkov and F.P. Netzer, X-ray induced irradiation effects in glycine thin films: a time-dependent XPS and TPD study, J. Electron Spectrosc. Rel. Phen. 182 (2010) 41-46
557. C. Hub, M. Burkhardt, M. Halik, G. Tzvetkov, R. Fink, In-situ STXM investigations of pentacene-based OFETs during operation, J. Mater. Chem. 20 (2010) 4884-4887
558. S. Bernard, O. Beyssac, K. Benzerara, N. Findling, G. Tzvetkov, G.E. Brown Jr., XANES, Raman and XRD study of anthracene-based cokes and saccharosebased chars submitted to high temperature pyrolysis, Carbon 9 (2010) 2506-2516
559. G. Tzvetkov, G. Paradossi, M. Tortora, P. Fernandes, A. Fery, B. Graf-Zeiler, and R.H. Fink, Water-dispersible PVA-based dry microballoons with potential for biomedical applications, Materials Science and Engineering C 30 (2010) 412-416
560. B. Donkova, D. Dimitrov, M. Kostadinov, E. Mitkova, D. Mehandjiev, Catalytic and photocatalytic activity of lightly doped catalysts M:ZnO (M= Cu, Mn), Mat. Chem. Phys. 123 563-568 (2010)
561. M. Milanova J. Zaharieva, I. Manolov, M. Getsova, D. Todorovsky, Lanthanoide complex with β-diketones and coumarin derivates: synthesis, thermal behaviour, opticl and pharmacological propertiesand immobilisation, J. Rare Earths(2010) 66-74 (Special issue).
562. M. Milanova, J. Zaharieva, B. Morgenstern, K. Hegetschweiler, D. Todorovsky, Crystal structure of tetrabuthylammonium [tetrakis(dibenzoylmethanato) europium(III)]-dimethyl sulfoxide (1:1), [N(C4H9)4][Eu(C15H11O2)4]C2H6OS, Z. Kristallogr. NCS 225 (2010). DOI 10.1524/ncrs.2010.00.
563. M. Uzunova-Bujnova, R. Kralchevska, M. Milanova, R. Todorovska, D. Hristov, D. Todorovsky, Crystal structure, morphology and photocatalytic activity of modified TiO2 and of spray-deposited TiO2 films, Catalysis Today 151 (2010) 14–20.
564. P. Kovacheva, D. Todorovsky, D. Radev, Mechanochemistry of the 5f-elements compounds. 5. Influence of the reaction medium on the mechanochemically induced reduction of U3O8, J. Radioanal. Nucl. Chem. 287 (2011) 193-197.
565. M. Milanova, J. Zaharieva, S. Anastasova, D. Todorovsky, Ru(II) Complex Based Optical Oxygen Sensors, Advanced Materials Res. 123-125 (2010) 767-770.
566. J.Zaharieva, M. Milanova, D. Todorovsky, Europium dibenzoylmethane complexes in SiO2-based matrix, J. Optoelectronics Adv. Mater. 12 (2010) 1247-1254.

567. J. Zaharieva, M. Milanova, D. Todorovsky, Synthesis conditions impact on the composition, structure and fluorescence properties of the europium dibenzoylmethane complexes, Synthesis Reactivity Inorganic, Metal-Organic, Nano-Metal Chemistry 40 (2010) 651.
568. N. Petrova, R. Todorovska, M. Milanova, D. Todorovsky, Spray-pyrolysis deposition of cerium-doped yttrium-iron garnet thin films, Asian Chem. Lett. 14 (2010) 41-46.
569. I. Stambolova, V. Blaskov, M. Shipochka, S. Vassilev, C. Dushkin, Y. Dimitriev, Y, Porous photocatalytically active ZnO films obtained from ethylcellulose modified solutions by spray pyrolysis, Mater. Chem. Phys. 121(3) (2010) 447-452.
570. I. Stambolova, V. Blaskov, S. Vassilev, M. Shipochka, C. Dushkin, Thin nanocrystalline TiO2-SnO2 sprayed films: Influence of the dopant concentration, substrate and thermal treatment on the phase composition and crystallites sizes, J. Alloys Comp. 489(1) (2010) 257-261.
571. I. Stambolova, V. Blaskov, Y. Dimitriev, S. Vassilev, C. Dushkin, Photocatalytic activity of nanostructured ZnO films prepared by two different methods for the photoinitiated decolorization of malachite green, J. Alloys Comp. 500 (2010) 252-258.
572. B. Kostova, E. Kamenska, N. Dimitrov, D. Rachev, G. Georgiev, Morphology of new zwitterionic copolymer matrices for sustained drug release, J. Control. Release 148 (2010) e 21-e56.
573. E. D. Vassileva, N. S. Koseva, Sonochemically Born Proteinaceous Micro- And Nanocapsules, Adv. Prot. Chem. Struct. Biol. 80 (2010) 205.
574. D. Cheshmedzhieva, S. Ilieva, B. Galabov, Computational Evaluation of □I and □R Substituent Constants, J. Mol. Struct. 976 (2010) 427. (Special issue dedicated to Prof. A. J. Barnes).
575. B. Galabov, G. Koleva, P. v. R. Schleyer, H. F. Schaefer, Electrophile Affinity: Quantifying Reactivity for the Bromination of Arenes, J. Org. Chem. 75 (2010) 2813.
576. O.Tishchenko, S. Ilieva, D. Truhlar, Eneregetics of reaction pathways of ethanol with hydroxyl radical. The importance of internal hydrogen bonding at the transition, J. Chem. Phys. 133 (2010) 021102.
577. S. Ilieva, D. Cheshmedjieva, D. Tasheva, The origin of diastereoselectivity in the Michael addition reaction: a computational study of the interaction of CH-acidic Schiff base and alpha, beta-unsaturated ketones, Tetrahedron 66 (2010) 5168.
578. T. Deligeorgiev, N. Gadjev, A. Vasilev, St. Kaloyanova, J.-J. Vaquero, J. Alvarez-Builla, Green Chemistry in Organic Synthesis, Mini-Reviews in Organic Chemistry 7(1) 44-53, (2010)
579. T. G. Deligeorgiev, St. Kaloyanova, A. Vasilev, J-J. Vaquero, J. Alvarez-Builla, A. M. Cuadro, Novel environmentally benign procedure for the synthesis of 2-aryl- and 2-hetaryl-4(3H)-quinazolinones, Color. Technol. 126 (2010) 24-30.
580. T. G. Deligeorgiev, S. Kaloyanova, A. Vasilev, J. J. Vaquero, Novel Green Procedure for the Synthesis of 2-Arylbenzothiazoles under Microwave Irradiation in PEG 200 or PEG 400, Phosphorus Sulfur Silicon Relat Elem. 185(11) 2292 (2010)
581. T. Deligeorgiev, S. Kaloyanova, N. Lesev, J. J. Vaquero, An easy and fast ultrasonic selective S-alkylation of hetaryl thiols at room Temperature, Ultrasonic Sonochem. 17 (2010 783–788.
582. L. A. Limanskaya, A.V. Yudintsev, V. M. Trusova, G. P. Gorbenko, T. Deligeorgiev, A.Vasilev, S. Kaloyanova, N. Lesev, "Partitioning of europium chelate into lipd bilayer as revealed by p-terphenyl and pyrene quenching" Biophys. Bull. 24(1) (2010) 70.

583. T. Deligeorgiev, T. Tsvetkova, S. Kaloyanova, D. Ivanova, I. Timtcheva, Synthesis of novel 3-hetaryl-substituted 6- and 8-hydroxybenzo[f]coumarinDerivatives, Color. Technol. 126 (2010) 209–214.
584. A. Yudintsev, V. Trusova, G. Gorbenko, T. Deligeorgiev, A. Vasilev, S. Kaloianova, N. Lesev, Fluorescence study of interactions between a europium coördination complex and model membranes, J. Biol. Phys. Chem. 10 (2010) 55–62.
585. M. Atanassova, S. Kaloyanova, T. Deligeorgiev, Application of 4,4,4-Trifluoro-1-(Biphenyl-4-yl)Butane-1,3-Dione as a Chelating Extractant in the Solvent Extraction and Separation of Light Lanthanoids in Combination with Phosphine Oxides, Acta Chim. Slov. 57 (2010) 821–827.
586. M. Evstatiev, I. Angelov, K. Friedrich, Structure and Properties of Microfibril reinforced Composites based on PET/LDPE Blend Manufactured by Means of Pultrusion, Polymer Enginn. Sci. 50 (2010) 401-410.
587. W. Li, A. K. Schlarb, M. Weber, M. Evstatiev, Deformation of Dispersed PA66 Phase in Drawn PA66/SAN Blend, Polymer Bulletin 64 (2010) 483-496.
588. V. Atanasov, S. Stoykova, A. Runiov, T. Dimitrova, D. Alexandrova, S. Tsakovsky, M. Mitewa, Stability of Diazepam in Blood Samples at Different Storage Conditions and Presence of Alcohol, Forenscic Sci. Int. (2011), doi:10.1016/ j.forsciint.2011.04.005
589. M. Mitewa, I. Pantcheva, R. Alexandrova, Antitumor activity of the polyether ionophorous antibiotic Monensin and its metal(II) complexes, in: Recent Researches in Modern Medicine, Braissant, O., Wakamatsu, H., Kuo-Kang, I., Allegaert, K., Lenbury, Y., Wachholtz, A. (Eds.), WSEAS Press, 2011, pp. 439-444, ISBN: 978-960-474-278-3.ISBN 978-960-474-278-3.
590. R. Alexandrova, T. Zhivkova, I. Pantcheva, M. Mitewa, Cytotoxic and Antiproliferative Activities of Monensic Acid and Its Metal(II) Complexes Against Drug Sensitive and Multidrug Resistant Human Tumor Cell Lines, *Intern. J. Biol. Biomed. Eng.* 5(2) (2011) 93-101. (ISSN: 1998-4510)
591. I. N. Pantcheva, M. Mitewa, Polyether Ionophores: Coordination Properties, Antibacterial/ Antitumor Activity and Acute Toxicity of Their Metal(II) Complexes, in M. Melnik, P. Segli'a, M. Tatarko (Eds.) "New Trends in Coordination, Bioinorganic and Applied Inorganic Chemistry", Press of Slovak University of Technology, Bratislava, 2011, pp. 452-465. ISBN 978-80-227-3509-4.
592. Stanchev, S., F. Jensen, A. Hinkov, V.N. Atanasov, P.Genova-Kalou, R. Argirova, and I. Manolov. Synthesis and inhibiting activity of some 4-hydroxycoumarin derivatives on HIV-1 protease. ISRN Pharmaceuticals, 2011, ID 137637 (doi: 10.5402/2011/137637).
593. Lyubomirova, V., R. Djingova, Identification of Pt and Pd bound to humic acid species in spiked soils and street dusts by size exclusion chromatography and ICP-MS, Chemical Speciation and Bioavailability, 2011, 23(1), 38-45.
594. V. Lyubomirova, R. Djingova, J. T. van Elteren, Fractionation of traffic-emitted Ce, La and Zr in soil and street dust samples, Intern. J. Environ. Anal. Chem., J. Environ. Monit. 13 (2011) 1823.
595. J. M. Serafimovska, S. Arpadjan, T. Stafilov, Speciation of dissolved inorganic antimony in natural waters using liquid phase semi-microextraction combined with electrothermal atomic absorption spectrometry, Microchem. J. 99 (2011) 46-50.
596. S. Arpadjan, P. Petrova, J. Knutsson, Speciation analysis of thallium in water samples after separation/preconcentration with EmporeTM chelating disk, Int. J. Environ. Anal. Chem., 91: 1088–1099 (2011)

597. S. Tsakovski, P. Simeonova, V. Simeonov, Classification and Modeling of different Fractions of Aerosol Monitoring Data, J. Environ. Sci. Health A. 46(2) (2011) 157-169.
598. A. Astel, L. Chepanova, V. Simeonov, Soil Contamination Interpretation by the Use of Monitoring Data Analysis, Water, Air, Soil Pollut. 216 (2011) 375-390.
599. S. Tsakovski, V. Simeonov, Hasse Diagram Technique as Exploratory Tool in Sediment Pollution Assessment, J. Chemomet. 25(5) (2011) 254-261.
600. Mladenova, E., I. Dakova, I. Karadjova. Chitosan membranes as sorbents for trace elements determination in surface waters. Environ. Sci. Pollut. Res., 18 (2011) 1633–1643.
601. B. Zlateva, R. Djingova, I. Kuleff, On the sample preparation of archaeological bones for elemental analysis, Asian Chem. Lett. 14(3) (2010) 177-186.
602. K. Balashev, V. Atanasov, M. Mitewa, S. Petrova, T.Bjornhom, Kinetics of Degradation of Dipalmitoylphosphatidylcholine (DPPC) Bilayers as a Result of Phospholipase A2 Activity of Vipoxin – an Atomic Force Microscopy (AFM) Approach, BBA – Biomembranes 1801 (2011) 191-198.
603. B. Todorov, A. Vasilev, Z. Tosheva, T. Deligeorgiev, R. Djingova ,On the determination of 241Am in natural waters based on extraction of 241Am complexes with fluorinated tris-β-diketones, on print
604. I. Dakova, P. Vasileva, I. Karadjova, M. Karadjov, V. Slaveykova, Solid phase extraction and diffusive gradients in thin films technique for determination of total and labile concentrations of Cd, Cu, Ni and Pb in Black sea water, Intern. J. Environ. Anal. Chem. 91(1) (2011) 62-73.
605. G. P. Petrova, G. N. Vayssilov, B. Galabov, "Enhanced Reactivity of Carbonyl Compounds on MgO Surface: a Computational Study", J. Mol. Cat. A 342-343 (2011) 67.
606. P. Vasileva, B. Donkova, I. Karadjova, C. Dushkin, Synthesis of starch-stabilized silver nanoparticles and their application as a surface plasmon resonance-based sensor of hydrogen peroxide, Colloids and Surfaces A: Physicochem. Eng. Aspects 382 (2011) 203-210.
607. P. Vasileva, J. Ninov, Simultaneous influence of the surface tension gradients and thermal effects on the mass transfer efficiency of packed distillation columns, In: Proceedings of I International Congress: "Engineering, Materials and Management in the Processing Industry", Faculty of Technology Zvornik, Jahorina, Republic of Srpska, pp. 197-202, 2009.
608. E. S. Basheva, P. A. Kralchevsky, N. C. Christov, K. D. Danov, S. D. Stoyanov, T.B.J. Blijdenstein, H.-J. Kim, E.G. Pelan, A. Lips, Unique Properties of Bubbles and Foam Films Stabilized by HFBII Hydrophobin, Langmuir 27 (2011) 2382-2392.
609. E.S. Basheva, P.A. Kralchevsky, K.D. Danov, S.D. Stoyanov, T.B.J. Blijdenstein, E.G. Pelan, A. Lips, Self-Assembled Bilayers from HFBII Hydrophobin: Nature of the Adhesion Energy, Langmuir 27 (2011) 4481-4488.
610. T. D. Gurkov, J.K. Angarska, K.D. Tachev, W. Gaschler, Statistics of Rupture in Relation to the Stability of Thin Liquid Films with Different Size, Colloids and Surfaces A, 382 (2011) 174-180.
611. Danov, K.D., E.S. Basheva, P.A. Kralchevsky, K.P. Ananthapadmanabhan, A. Lips, The Metastable States of Foam Films Containing Electrically Charged Micelles or Particles: Experiment and Quantitative Interpretation. Advances in Colloid and Interface Science 168 (2011) 50-70.

612. Kralchevsky, P.A., K.D. Danov, E.S. Basheva, "Hydration Force Due to the Reduced Screening of the Electrostatic Repulsion in Few-Nanometer-Thick Films", Current Opinion in Colloid & Interface Sci. 16 (2011) 517-524.
613. Mihailov,L., T. Spassov, I. Kanazirski, I. Tsvetanov, "Electrocatalytic behavior of Ni-based amorphous alloys for hydrogen evolution", Journal of Materials Science46 (22) (2011) 7068-7073.
614. Z. Zlatanova, T. Spassov, G. Eggeler, M. Spassova, "Synthesis and hydriding/dehydriding properties of Mg2Ni-AB (AB=TiNi or TiFe) nanocomposites", Intern. J. Hydrogen Energy, 36(13) (2011) 7559-7566.
615. M. Karavasteva, The effect of polyethylene glycols on zinc dissolution at 500C in 0.5 M H2SO4 containing Co, Sb and Ge, Hydrometallurgy 106 (2011) 1-4.
616. J. Ninov, I. Doykov, L. Dimova, B. Petrov, L. Brakalov, On the kinetics of pozzolanic reaction in metakaolin-lime-water system, J. Thermal Anal. Calor. (2011) 1-6, in press
617. S. I. Karakashev, D. S. Ivanova, E. D. Manev, R. Kirilova, R. Tsekov, An experimental test of the fractal model for drainage of foam films, J. Colloid Interface Sci. 353 (2011) 206.
618. S. I. Karakashev, R. Tsekov, Electro-Marangoni effect in thin liquid films, Langmuir 27 (2011) 2265.
619. R. Tsekov, Quantum diffusion, Phys. Scr. 83 (2011) 035004.
620. Karakashev, S. I., N. Grozev, I. Díez, R.H.A. Ras, R. Tsekov, „Rheology of silver nanocluster solutions under confinement", Colloids and Surfaces A: Physicochemical and Engineering Aspects (2011), 384 (1-3) , pp. 570-573.
621. O. Ozdemir, H. Du, S. I. Karakashev, A. V. Nguyen, J. D. Miller, Understanding the role of ion interactions in soluble salt flotation with alkylammonium and alkylsulfate collectors, Adv. Coll. Interface Sci. 163 (2011) 1-22.
622. D. S. Ivanova, Zh. K. Angarska, S. I. Karakashev, E.D. Manev, Drainage of foam films stabilized by n-dodecyl-β-D-maltoside or dodecyl trimethylammonium bromide and their mixtures, Colloids and Surfaces A 382 (2011) 93-101.
623. S. I. Karakashev, O. Ozdemir, M. A. Hampton, A.V. Nguyen, Formation and Stability of Foams stabilized by fine particles with similar size, contact angle and different shapes, Colloids and Surfaces A 382 (2011) 132-138.
624. K. Mircheva, Tz. Ivanova, I. Panaiotov, R. Verger, Hydrolysis of mixed monomolecular films of Tricaprylin/Dilauroylphosphatidylcholine by lipase and phospholipase A2, Colloids and Surfaces B: Biointerfaces 86 (2011) 71.
625. K. Balashev, Tz. Ivanova, K. Mircheva, I. Panaiotov, Savinase proteolysis of insulin Langmuir monolayers studied by surface pressure and surface potential measurements accompanied by atomic force microscopy (AFM) imaging, J. Coll. Int. Sci. 300 (2011) 654-661.
626. S. Manev, R. Petkova, A. Tafrova, Developing Key Competences in Secondary School, In: Proceedings of the Fourth International Scientific Conference, Vol. 1, Mathematics and Natural Sciences (2011) 250-264
627. N. Petkova, S. Dlugocz, S. Gutzov, Preparation and optical properties of transparent zirconia sol-gel materials, J. Non Cryst. Solids 357 (2011) 1547-1551.
628. Petkova, N., S. Gutzov, N. Lesev, S. Kaloyanova, S. Stoyanov, T. Deligeorgiev, Preparation and optical properties of silica gels doped with a new Eu(III) complex, Optical Materials 33 (2011) 1715–1720.
629. L. Alexandrova, M. Nedyalkov, Khr. Khristov, D. Platikanov, Thin Wetting Film from Aqueous Solution of Polyoxyalkylated DETA (Diethylenetriamine) Polymeric Surfactant, Colloid and Surfaces A 382 (2011) 88-92, ISSN 0927-7775

630. Khr. Khristov, H. Petkova, L. Alexandrova, M. Nedyalkov , D. Platikanov, D. Exerowa, Foam, Emulsion and Wetting Films Stabilized by Polyoxyalkylated Diethylenetriamine (DETA) Polymeric Surfactants, Adv. Coll. Interface Sci. (2011) in press
631. Romanova, G. Madjarova, A. Tadjer, N. Gospodinova, Solvent Polarity and Dopant Effect on the Electronic Structure of the Emeraldine Salt, Intern. J. Quantum Chem. 111 (2011) 435-443
632. J. Petrova, J. Romanova, G. Madjarova, A. Ivanova, A. Tadjer, Fully Doped Oligomers of Emeraldine Salt – Polaronic versus Bipolaronic Configuration, J. Phys. Chem. B 115 (2011) 3765-3776 DOI: 10.1021/jp111914n
633. Velinova, M., Y. Tsoneva, Ph. Shushkov, A. Ivanova, A. Tadjer, Systematic derivation and testing of AMBER force field parameters for fatty ethers from quantum mechanical calculations, in: Progress in Theoretical Chemistry and Physics, 22, Advances in the Theory of Quantum Systems in Chemistry, P.E. Hoggan et al. (eds.), Chapter 26, pp.461-480, DOI 10.1007/978-94-007-2076-3 26, Springer Science+Business Media B.V. 2011.
634. G. Tzvetkov, F. P. Netzer, Synchrotron X-ray Photoemission Study of Soft X-ray Processed Ultrathin Glycine-Water Ice Films, J. Chem. Phys. 134 (2011) 1-8.
635. V. Zelenay, M. Ammann, A. Křepelová, M. Birrer, G. Tzvetkov, M. G. C. Vernooij, J. Raabe, T. Huthwelker, Direct observation of water uptake and release in individual submicrometer sized ammonium sulfate and ammonium sulfate/adipic acid particles using x-ray microspectroscopy, J. Aerosol Sci. 42 (2011) 38-51
636. P. Kovacheva, G. Avdeev, D. Todorovsky. Mechanochemically induced synthesis of UO2+x and uranium-thorium mixed oxides from sol-gel produced precursors, J. Radioanal. Nucl. Chem. 287(2) (2011) 519-524.
637. P. Kovacheva, G. Avdeev. Application of mechanochemical activation for synthesis of uranium-lanthanoid mixed oxides, J. Radioanal. Nucl. Chem. 288(1) (2011), 221-227.
638. M. Milanova, I. Koleva, R. Todorovska, J. Zaharieva, M. Kostadinov, D. Todorovsky, "Polymetallic citric complexes as precursors for spray-pyrolysis deposition of thin ferrite films" App. Surf. Sci. 257 (2011) 7821-7826.
639. Krasteva, T. Peshkova, N. Nikolaev, K. Papazova, D. Dimitrov, N. Kaneva, C. Dushkin, Synthesis and characterization of nanostructured ZnO thin films for sensorapplication, J. Nanosci. Nanotechn. (2011) submitted
640. I. Ivanova, R. Popova, O. Angelov, L. Krasteva, T. Peshkova, A. Loukanov, D. Dimova-Malinovska, K. Papazova, C. Dushkin, Interaction of Pseudomonas putida and Bacillus cereus cells with nanostructured zinc-oxide thin films, J. NanoResearch (2011) submitted.
641. I. Ivanova, R. Popova, A. Loukanov, O. Angelov, L. Krusteva, K. Papazova, E. Naumovska, K. Markoska, C. Dushkin, "Interaction between Bacillus cereus and nanostructured thin films of zinc oxide as a transducer element for biosensing application, Trakia J. Sci. (2011) submitted.
642. N. V. Kaneva, D. T. Dimitrov, C. D. Dushkin, Effect of nickel doping on the photocatalytic activity of ZnO thin films under UV and visible light, Appl. Surf. Sci. 257 (2011) 8113–8120.
643. Donkova, B., P. Vasileva, D. Nihtianova, N. Velichkova, P. Stefanov and D. Mehandjiev. Synthesis, characterization and catalytic application of Au/ZnO nanocomposities, prepared by coprecipitation. J. Mater. Sci., 46 (22) (2011), 7134-7143.
644. L. Lyutov, Supersaturation: Formation, Measurement and Control In "Crystal Growth: Theory, Mechanisms and Morphology" Nicole A. Mancuso and James P. Isaac (Eds.), NOVA Science Publishers, ISBN:978-1-61324-529-3 (2011) (submitted).

645. J. Zaharieva, M. Milanova, D. Todorovsky, SiO2/polyester hybrid for immobilization of Ru(II) complex as optical gas-phase oxygen sensor, J. Mater. Chem. 21 (2011) 4893–4903.
646. J. Zaharieva, M. Milanova, D. Todorovsky, On the mechanochemical synthesis of some europium diketonates. Centr. Eur. J. Chem. 9 (2011) 290-299.
647. J. Zaharieva, M. Milanova, D. Todorovsky, Poly(methylmethacrylate) as immobilization matrix for europium β–diketonates – morphology and fluorescent properties, Appl. Surf. Sci. 257 (2011) 6858-6866.
648. J. Zaharieva, M. Milanova, D. Todorovsky, Poly(methylmethacrylate) as immobilization matrix for Ru(II)-complex, a potential optical oxygen sensor, J. Optoelectronics Advanced Materials 13 (2011) (in press).
649. G. Yordanov, H. Yoshimura, C. Dushkin, Characterization of CdTe nanocrystals during their synthesis in liquid paraffin: optical properties and particle growth, J. Mater. Sci. 46 (2011) 2338-2344.
650. I. Ivanova, A. Lukanov, O. Angelov, R. Popova, H. Nichev, V. Mikli, D. Dimova-Malinovska, C. Dushkin, Effect of ZnO nanostructured thin films on Pseudomonas putida cell division, NATO Science for Peace and Security Series B: Physics and Biophysics (2011) 487-491.
651. A. Bojinova, C. Dushkin, Phototegradation of malachite green in water solutions by means of thin films of TiO2/WO3 under visible light, Reaction Kinetics, Mechanisms and Catalysis 103 (2011) 239–250.
652. B. I. Stefanov, N. V. Kaneva, G. Li Puma, C. D. Dushkin, Novel integrated reactor for evaluation of activity of supported photocatalytic thin films: Case of methylene blue degradation on TiO2 and nickel modified TiO2 under UV and visible light, Colloid and Surface A 382 (2011) 219-225.
653. N. V. Kaneva, C. D. Dushkin, Tuning of the UV photocatalytic activity of ZnO using zinc ferrite(III): Powders and thin films prepared of powders, Colloid and Surface A 382 (2011) 211-218.
654. G. N. Vayssilov, Y. Lykhach, A. Migani, T. Staudt, G. P. Petrova, N. Tsud, T. Skála, A. Bruix, F. Illas, K. C. Prince, V. Matolín, K. M. Neyman, J. Libuda, Support Nanostructure Boosts Oxygen Transfer to Catalytically Active Platinum Nanoparticles, Nature Materials 10 (2011) 310-315.
655. N. Rösch, G. P. Petrova, P. St. Petkov, A. Genest, S. Krüger, H. A. Aleksandrov, G. N. Vayssilov, Impurity Atoms on Small Transition Metal Clusters. Insights from Density Functional Model Studies, Topics in Catalysis 54 (2011) 363–377.
656. H. A. Aleksandrov, P. St. Petkov, G. N. Vayssilov, Computational evaluation of the capability of transition metal exchanged zeolites for complete purification of hydrogen for fuel cell applications: the cheapest performs the best, Energy Environ. Sci. 4 (2011) 1879-1885.
657. Basaran, D., H. A. Aleksandrov, Z.-Xu Chen, Z.-Jian Zhao, N. Rösch, "Decomposition of ethylene on transition metal surfaces M(111). A comparative DFT study of model reactions for M = Pd, Pt, Rh, Ni", Journal of Molecular Catalysis A: Chemical, 2011, 344 (1-2), 37–46.
658. H. A. Aleksandrov, E. A. Ivanova Shor, A. M. Shor, V. A. Nasluzov, G. N. Vayssilov, N. Rösch, Cationic zinc species in ZSM-5 zeolites: structure and stability from embedded cluster modeling, Soft Materials (2011) accepted.
659. M. Valyova, M. Dimitrova,Y.Ganeva, V. Kapchina-Toteva, Zh.Yordanova, Evaluation of antioxidant and free radical scavenging potential of Lamium album L.grouing in Bulgaria, J. Pharm. Res. 4(4) (2011) 945-947.
660. M. G. Bogdanov, Y. N. Mitrev, I. Tiritiris, M. D. Palamareva, New Perkin/Michael Addition Domino Reaction Between Homophthalic Anhydride and Aromatic Aldehydes: A Facile Approach to Blue Fluorescent 6-oxo-dibenzo[c,h]chromens, Eur. J. Org. Chem. (2) (2011) 377-384.

661. N. N. Mateeva, Sh. Deiab, E. E. Archibong, D. Tasheva, B. Mochona, M. Gangapuram, K. Redda, Dansyl-Substituted Aza Crown Ethers: Complexation with Alkali, Alkaline Earth metal Ions and Ammonium, Int. J. Chem. 3 (2011) 10.
662. M. Nedjalkova, In: HPC –Europe annual reports (2011).
663. Shestakova, P. S., R. Willem, E. Vassileva "Elucidation of the chemical and morphological structure of Double Network Hydrogels by HRMAS-NMR", Chemistry – A European Journal 17(52),14867-77 (2011).
664. Nalbantova, D., D. Cheshmedzhieva, B. Hadjieva, S. Ilieva, B. Galabov, "Reactivity of Phenyl n-Phenylcarbamates in the Alkaline Hydrolysis Reaction", J. Phys. Org. Chem. 24 (2011) 1166.
665. Kong, J., B. Galabov, G. Koleva, J. J. Zou, H. F. Schaefer, P. v. R. Schleyer, "The inherent competition between addition and substitution reactions of Br2 with benzene and arenes", Angew. Chem. Int. Ed., 50 (2011) 6809.
666. S S. Kaloyanova, V. M. Trusova, G. P. Gorbenko, T. G. Deligeorgiev, Synthesis and fluorescence characteristics of novel asymmetric cyanine dyes for DNA detection" J. Photochem. Photobiol. A 217 (2011) 147–156.
667. T. Deligeorgiev, S. Kaloyanova, A. Vasilev, A novel general method for preparation of neutral monomethine cyanine dyes, Dyes and Pigments 90(2) 170-176 (2011).
668. A. Vasilev, T. Deligeorgiev, S. Kaloyanova, S. Stoyanov, V. Maximova, J. J Vaquero, J. Alvarez-Builla, Synthesis of novel tetracationic asymmetric monomeric monomethine cyanine dyes – highly fluorescent dsDNA probes, Color. Technol. 127(1) (2011) 69-74.
669. T. Deligeorgiev, N. Lesev, S. Kaloyanova, Preparation of dyes by an improved method for tricyanovinylation of aromatic amines under ultrasound irradiation, Dyes and Pigments 91(9) (2011) 74-78.
670. A. Boldyrev, G. P. Gaenko, E. V. Moiseeva, T. Deligeorgiev, S. Kaloyanova, N. Lesev, A. Vasilev, J. G. Molotkovsky, Europium Complexes of 1,10-Phenanthrolines: Their Inclusion in Liposomes and Cytotoxicity, Russ. J. Bioorgan. Chem. 37(3) (2011) 364–368.
671. S. Kaloyanova, I. Ivanova, A. Tchorbanov, P. Dimitrova, T. Deligeorgiev, Synthesis of chloro-substituted analogs of Thiazole Orange - fluorophores for flow cytometric analyses, J. Photochem. Photobiol. B 103(3) (2011) 215-221.
672. E. Kostadinova, S. Kaloyanova, St. Stoyanov, I. Petkov, Spectroscopic elucidation of the interaction of native cyclodextrins and their acetylated derivatives with asymmetric monomethyne cyanine dye, J. Incl. Phenom. Macrocycl. Chem. (2011)
673. Deligeorgiev, T.G., S.S. Kaloyanova, N.Y. Lesev, J.J. Vaquero, An improved environmentally benign procedure for the synthesis of substituted 2-Thiobenzothiazoles, 2-thiobenzoxazoles, 2-thiobenzimidazoles and 1,3-oxazolopyridine-2-thiols", Monatsh. Chem., 142 (2011) 895–899.
674. L. Tumir, I. Crnolatac, T. Deligeorgiev, A. Vasilev, S. Kaloyanova, M. Grabar, S. Tomić, K. Mišković, L. Glavaš-Obrovac, I. Piantanida, Probing the structural properties of DNA minor groove by sterically restricted phosphonium cyanine dyes, Dyes and Pigments (2011).
675. M. Evstatiev, S. Simeonova, W. Li, Development of the MFC concept for manufacturing of scaffolds for tissue engineering from PLA/EVAL polymer blends, Express Polymer Lett. (2011)
676. Y. Ivanova, O. Petrov, Novel Chalcone-like derivatives: 6-(3-aryl- or hetaryl-2-propenoyl)-2(3H)-benzoxazolones - synthesis and evaluation of cytotoxicity on leukemia cells, Ann. Univ. Sofia, Fac. Chimie (2011) (in press).
677. Atanasov, V., I. Petrova, C. Dishovsky, I. Samnaliev. An optimized fluoride reactivation method for detection of paraoxon and dichlorvos in blood. In: TOXICOLOGICAL PROBLEMS: Third National Congress of Clinical

Toxicology with International Participation, Varna, 2010. (Eds: St. Tonev, K. Kanev, Chr. Dishovsky), IRITA, Sofia, Bulgaria, 2011, 184-188. (ISBN: 978-954-2935-04-9)

678. Atanasov, V., I. Petrova, C. Dishovsky, I. Samnaliev. Pharmacokinetic study on the experimental antidote BT-03 at soman and tabun poisoning in rats. In: TOXICOLOGICAL PROBLEMS: Third National Congress of Clinical Toxicology with International Participation, Varna, 2010. (Eds: St. Tonev, K. Kanev, Chr. Dishovsky), IRITA, Sofia, Bulgaria, 2011, 167-171. (ISBN: 978-954-2935-04-9)
679. Balashev, K., T. H. Callisen, A. Svendsen and T. Bjørnholm "Savinase action on Bovine Serum Albumin (BSA) monolayers demonstrated with measurements the air-water interface and liquid Atomic Force Microscopy (AFM) imaging" Colloids Surf B Biointerfaces. 88(2) (2011) 582-6.
680. Balashev, K., Tz. Ivanova, K. Mircheva, I. Panaiotov, "Savinase proteolysis of insulin Langmuir monolayers studied by surface pressure and surface potential measurements accompanied by atomic force microscopy (AFM) imaging", J. Coll.Int. Sci, 300 (2011) 654-661.
681. Bogdanov, M.G., Mitrev, Y., Tiritiris, I., New highly diastereoselective Perkin/Michael addition domino reaction between homophthalic anhydride and aromatic aldehydes: A facile approach to blue-fluorescent dibenzo[c,h]chromenones, European Journal of Organic Chemistry (2011) pp. 377-384.
682. Bruix, A., A. Migani, G. N. Vayssilov, K. M. Neyman, J. Libuda, F. Illas, „Effects of deposited Pt particles on the reducibility of CeO2(111)", Physical Chemistry Chemical Physics, 13, 11384-11392 (2011).
683. Chakarova, K., G. Petrova, M. Dimitrov, L. Dimitrov, G. Vayssilov, T. Tsoncheva, K. Hadjiivanov, „Coordination state of Cu+ ions in Cu-[Al]MCM-41", Applied Catalysis B: Environmental 106, 186–194 (2011).
684. Cheshmedzhieva, D., P. Ivanova, S. Stoyanov, D. Tasheva, M. Dimitrova, I. Ivanov, S. Ilieva, Experimental and theoretical study on the absorption and fluorescence properties of substituted aryl hydrazones of 1,8-naphthalimide, Phys. Chem. Chem. Phys. 2011, 13 (41), 18530-18538.
685. Deligeorgiev, T., N. Gadjev, A. Vasilev, S. Kaloyanova, N. Lesev, A. Alexiev, Green Chemistry, Khimiya, 20, (2011) 289.
686. Deligeorgiev, T., S. Kaloyanova, N. Lesev, R. Alajarín, J. J. Vaquero, J. Álvarez-Builla, An environmentally benign synthesis of 2-cyanomethyl-4-phenylthiazoles under focused microwave irradiation, Green and Sustainable Chemistry, 4 (2011) 170-175.
687. Denkov, N.D., P.A. Kralchevsky, Collection of Papers from the 8th EUFOAM Conference and the Meetings of COST Actions D43 and P21, Borovets, Bulgaria, 13-16 July 2010. Colloids and Surfaces A, 382 (2011) 1-2.
688. Diadovski, I., M. Atanassova, V. Simeonov. Risk Assessment of Extreme Events along the Transboundary Mesta River in Bulgaria using Integral Indices. Ecol. Chem. Eng.S, 18(3), 2011, 311-332.
689. Donkova, B.V., K.I. Milenova, M.S. Khristova, D.R. Mehandjiev. Catalytic neutralization of nitrogen oxides on low-peresentage Mn/ZnO catalysts, obtained via oxalate precursor. Bul. Chem. Commun., 43 (4) (2011) 538-543.
690. Doyen, G., and D. Drakova,. "Why is more different: the appearance of microscopic classical particles" J. Phys: Conf. Ser. 306, 012033 (2011).
691. Drakova, D., and G. Doyen,."Adsorbate localization versus diffusion: a coherent time dependent theory of coupling to gravitons in hidden large dimensions" J. Phys: Conf. Ser. 306, 012068 (2011).

692. Dushkin, C., P. Georgiev, K. Rajabloo, P. Vasileva, N. Vaklev. Metal nanoparticles. – Nanoscience & Nanotechnology, 11. Eds. E. Balabanova, I. Dragieva, Sofia, 85-87, 2011.
693. Georgiev, P., K. Rajabloo, P. Vasileva, C. Dushkin. Foams with metal nanoparticles. – Nanoscience and Nanotechnology, 11. Eds. E. Balabanova, I. Dragieva, Sofia, 115-119, 2011.
694. Georgieva, I., N. Danchova, S. Gutzov, N. Trendafilova, DFT modeling, UV-Vis and IR spectroscopic study of acetylacetone-modified zirconia sol-gel materials, J Mol Model (2011) DOI 10.1007/s00894-011-1257-3.
695. Graf-Zeiler, B., R.H. Fink and G. Tzvetkov, In-situ synchrotron radiation X-ray microspectroscopy of polymer microcontainers, ChemPhysChem 12 (2011) 3503-3509.
696. Grishchuk, S., N. Castella, A. A. Apostolov, and J. Karger-Kocsic, Structure and properties of vinilester resins modified with organophilic synthetic layered silicates bearing non- and co-reactive intercalants, J. Composite Mat. (accepted); Journal of Composite Materials published online 15 August 2011
697. Gurkov, T. D., "Adsorption Kinetics under the Influence of Barriers at the Subsurface Layer", Colloid Polym. Sci., 289 (2011) 1905-1915.
698. Ivanov, I. B., R. I. Slavchov, E. S. Basheva, D. Sidzhakova, S. I. Karakashev, Hofmeister Effect on Micellization, Thin Films and Emulsion Stability, Adv Colloid Interface Sci (2011) 168 (2011) 93–104
699. Ivanov, I., I. Petkova, B. P. Soklev, I.V. Delcheva, B. Iliev, T. Schubert, M.G. Bogdanov, R. Slavchov, Wetting Properties of low-viscosity Room Temperature Imidazolium Ionic Liquids, Annuaire de l'Universite de Sofia, 102-103 (2011) pp. 259–271.
700. Ivanova, J., I. N. Pantcheva, M. Mitewa, S. Simova, M. Tanabe, K. Osakada, Cd(II) and Pb(II) complexes of the polyether ionophorous antibiotic salinomycin, Chem. Centr. J. 5 (2011) 52, doi:10.1186/1752-153X-5-52 (2011 IF = 1.650).
701. J. Ninov, I. Doykov, L. Dimova, B. Petrov, L. Brakalov, On the Kinetics of Pozzolanic Reaction in Metakaolin-Lime-Water System, J. Therm. Anal. Cal., July 2011, 105 (1), 245-250.
702. Kaloyanova, S., I. Ivanova, A. Tchorbanov, P. Dimitrova, T. Deligeorgiev, "Synthesis of chloro-substituted analogs of Thiazole Orange - fluorophores for flow cytometric analyses", J. Photochem. Photobiol. B, 103 (2011) 215–221.
703. Karakashev, S.I., Ivanova, D.S., Manev, E.D., Dimitrova, R.K., and Tsekov, R., "An Experimental Test on the Fractal Model for Drainage of Foam Films", Journal of Colloid and Interface Science, Vol. 353 (2011) pp. 206-209.
704. Karakashev, S.I., Stöckelhuber, K.W., and Tsekov, R., "Wetting Films on Chemically Patterned Surfaces", Journal of Colloid and Interface Science, Vol. 363 (2011) pp.663-667.
705. Kolev, S. K., P. St. Petkov, M. A. Rangelov, G. N. Vayssilov, Density Functional Study of Hydrogen Bond Formation between Methanol and Organic Molecules Containing Cl, F, NH2, OH, and COOH Functional Groups", The Journal of Physical Chemistry A, 115, 14054–14068 (2011).
706. Koleva, G., B. Galabov, J. Kong, H. F. Schaefer, P. v. R. Schleyer, "Electrophilic Aromatic Sulfonation with SO3: Concerted or Classic SEAr Mechanism?", J. Am. Chem. Soc., 133 (2011) 19094.
707. Kralchevska, R., M. Milanova, P. Kovacheva, J. Kolev, G. Avdeev, D. Todorovsky. Influence of ThO2 on the photocatalytic activity of TiO2, Central European Journal of Chemistry, 9 (6) (2011), 1027-1038 .

708. Kutsenko, O. K., V. M. Trusova, G.P. Gorbenko, T. G. Deligeorgiev, A. A. Vasilev, S. Kaloianova, N. Y. Lesev, Fluorescence Study of Lipid Bilayer Interactions of Eu(III) Coordination Complexes, J Fluoresc., 21(4) (2011) 1689-1695.
709. L. Dimova, I. Doikov, J. Ninov, N. Petrova, Characterization of the pozzolanic properties of the fly ash evolved from TPP "Republika", Bulgaria, J. of The UCTM, 46 (4), 2011, 369-374.
710. Mladenova, E., I. Dakova, I. Karadjova, M. Karadjov. Column solid phase extraction and determination of ultra-trace Au, Pd and Pt in environmental and geological samples. Microchem. J., 101 (2012) 59–64.
711. Momekov, G., M. Karaivanova, I. Ugrinova, E. Pasheva, G. Gencheva, D. Tsekova, S. Arpadjan, P. R. Bontchev: "In vitro pharmacological study of monomeric platinum(III) hematoporphyrin IX complexes", Invest. New Drugs, 10 pages, doi: 10.1007/s10637-010-9412-8. (2011) 29(5) 742-751.
712. Nikolova, R., Crystal structure and spectroscopic properties ethyl hydrogen 2-oxo-2H-chromene-3-ylphosphonate trihydrate, Phosphor, Sulfur, Silicon and Rel. Elements 186, 1626-1634, 2011.
713. Pantcheva, I. N., M. Io. Mitewa, Polyether ionophores: coordination properties, antibacterial / antitumor activity and acute toxicity of their metal complexes, in: New Trends in Coordination, Bioinorganic and Applied Inorganic Chemistry, M. Melník, P. Segľa, M. Tatarko (Eds.), STU Press, Bratislava (2011) pp. 452-465. ISBN 978-80-227-3509-4.
714. Petrov, O. I., M. S. Gerova, Ch. D. Chanev, K. V. Petrova, "New Efficient Synthesis of Combretastatin A-4 via Colvin Rearrangement", Synthesis, 3711-3715 (2011).
715. Petrova, G. P., G. N. Vayssilov, N. Rösch, „Interaction of ethene and ethyne with bare and hydrogenated Ir4 clusters. A density functional study", Catalysis Science and Technology, 1, 958-970 (2011).
716. Rangelov, M. A., G. P. Petrova, V. M. Yomtova, G. N. Vayssilov, „Determination of the optimal position of adjacent proton-donor centers for the activation or inhibition of peptide bond formation – A computational model study" Journal of Molecular Graphics and Modelling, 30, 10–14 (2011).
717. Rösch, N., G. P. Petrova, P. St. Petkov, A. Genest, S. Krüger, H. A. Aleksandrov, G. N. Vayssilov, "Impurity Atoms on Small Transition Metal Clusters. Insights from Density Functional Model Studies" Topics in Catalysis, 2011, 54 (5-7), 363–377.
718. Serafimovska, J. M., S. Arpadjan, T. Stafilov, S.I. Popov, "Dissolved inorganic antimony, selenium and tin species in water samples from various sampling sites of river Vardar in Macedonia and Greece", Macedonian J. Chem&Chem.Engineering, 30: 181–188 (2011).
719. Serafimovska, J.. S. Arpadjan, T. Stafilov "Influence of organic components on stibine generation" Dokl. BAN, 64, 515-522 (2011).
720. Simeonov, M., I. Yankova, A. A. Apostolov, E. Vassileva, D. Rabadjieva, S. Tepavitcharova "Calcium Phosphates Precipitation In Gelatin Nanocapsules Colloidal System" Nanoscience&Nanotechnology, 11, 203-206 (2011)
721. Stanimirova, R., K. Marinova, S. Tcholakova, N.D. Denkov, S. Stoyanov, E. Pelan, Surface Rheology of Saponin Adsorption Layers. Langmuir 27 (2011) 12486-12498.
722. Stoiancheva, K., V. Atanasov, K. Kanev. Acute Quetiapine Poisoning: A Case Series. In: TOXICOLOGICAL PROBLEMS: Third National Congress of Clinical Toxicology with International Participation, Varna, 2010. (Eds: St. Tonev, K. Kanev, Chr. Dishovsky), IRITA, Sofia, Bulgaria, 2011, 124-127. (ISBN: 978-954-2935-04-9)

723. Tasheva, D.N., S. Y. Zareva, Tert-butyl esters of 2,3-diaryl-3-arylaminopropanoic acids – stereoselective synthesis, isolation, spectroscopic and structural elucidation, Polish J. Chem. Technology, 2011, 13 (3), 12-17.
724. Tcholakova, S., I. Lesov, K. Golemanov, N. Denkov, S. Judat, R. Engel, T. Daner, Efficient Emulsification of Viscous Oils at High Drop Volume Fraction. *Langmuir* **27** (2011) 14783-14796.
725. Tcholakova, S., Z. Mitrinova, K. Golemanov, N. Denkov, M. Vethamuthu, K. P. Ananthapadmanabhan, Control of Ostwald Ripening by Using Surfactants with High Surface Modulus. *Langmuir* **27** (2011) 14807-14819.
726. Temelkov, K.A., Slaveeva, S.I., Lyutov, L., Vuchkov, N.K. Influence of some gaseous additives on gas-discharge parameters and laser performance of a volume-scaled MIR He-SrBr2 laser (2011) Proceedings of SPIE - The International Society for Optical Engineering 7747, art. no. 77471M
727. Tsakovski, S., P. Simeonova, V. Simeonov. Sediment Pollution Assessment by Chemometric Methods. Ecol. Chem. Eng.S, 18(2), 2011, 141-170.
728. Tsakovski, S., V. Simeonov. Classification of Different-Sized Aerosol Monitoring Data. Ecol. Chem. Eng., 18(2), 2011, 275 -287.
729. Tsekov, R. Quantum diffusion 2011 Phys Scr 83 035004
730. Tsekova, D., Ilieva V., Gencheva G., "An NMR study on the solution behavior of series of hematoporphyrin IX complexes", Current Issues in Organic Chemistry 2, Topics in Chemistry and Material Science, Heron Press, 2011, Vol. 5, 52-65.
731. Tsekova, K., S. Ganeva (Arpadjan), A. Hristov, D. Todorova, V. Beschkov. Simultaneous copper, cobalt and phenol removal from water solutions by alternating biosorption and biodegradation. Water Sci. Technol. 63, 2388–2394 (2011).
732. Vasileva, P., B. Donkova, I. Karadjova, C. Dushkin. Synthesis of starch-stabilized silver nanoparticles and their application as a surface plasmon resonance-based sensor of hydrogen peroxide. Coll. Surf. A: Phys. Eng. Aspects, 382 (2011) 203–210.
733. Vayssilov, G. N., A. Migani, K. Neyman, „Density Functional Modeling of the Interactions of Platinum Clusters with CeO2 Nanoparticles of Different Size", The Journal of Physical Chemistry C, 115, 16081–16086 (2011).
734. Vayssilov, G. N., M. Mihaylov, P. St. Petkov, K. I. Hadjiivanov, K. M. Neyman, „Reassignment of the Vibrational Spectra of Carbonates, Formates, and Related Surface Species on Ceria: A Combined Density Functional and Infrared Spectroscopy Investigation", The Journal of Physical Chemistry C, 115, 23435–23454 (2011).
735. Velinova, M., D. Sengupta, A. Tadjer, S.-J. Marrink, Sphere-to-Rod Transitions of Nonionic Surfactant Micelles in Aqueous Solution Modeled by Molecular Dynamics Simulations, Langmuir 27 (2011) 14071–14077, DOI: 10.1021/la203055t
736. Velinova, M., D. Sengupta, S. J. Marrink, A. Tadjer, Coarse-Grained Molecular Dynamics Simulation of Micelle Formation for Peptide Encapsulation Purposes, Science and Supercomputing in Europe; Research Highlights 2010, HPC-Europa2 Report 2010, Ed. Silvia Monfardini, CINECA Consorzio Interuniversitario, Bolonia, p.57
737. Vilkova, N.G., Elaneva, S.I., Kruglyakov, P.M., Karakashev, S.I., "Foam Films from Hexylamine Stabilized by Silica Particles", Mendeleev Communications, Vol. 21 (2011) pp. 344-345.
738. Yordanov, G., Z. Bedzhova. Poly(ethyl cyanoacrylate) colloidal particles tagged with Rhodamine 6G: preparation and physicochemical characterization, Central European Journal of Chemistry 9 (2011) 1062-1070 (Springer).

739. Role of Surfactants on the Approaching Velocity of Two Small Emulsion Drops. K.D. Danov, S.D. Stoyanov, N.K. Vitanov, I.B. Ivanov, J. Colloid Interface Sci. 368 (2012) 342-355.
740. Effect of Cationic Polymers on Foam Rheological Properties. N. Politova , S. Tcholakova , K. Golemanov, N.D. Denkov, M. Vethamuthu, K.P. Ananthapadmanabhan, Langmuir 28 (2012) 1115-1126.
741. Solubility Limits and Phase Diagrams for Fatty Acids in Anionic (SLES) and Zwitterionic (CAPB) Micellar Surfactant Solutions. S.S. Tzocheva, P.A. Kralchevsky, K.D. Danov, G.S. Georgieva, A.J. Post, K.P. Ananthapadmanabhan, J. Colloid Interface Sci. 369 (2012) 274-286.
742. Molecular Dynamics Approach to Water Structure of HII Mesophase of Monoolein. V. Kolev, A. Ivanova, G. Madjarova, A. Aserin, N. Garti, J. Chem. Phys. 136 (2012) 074509.
743. Surface Shear Rheology of Adsorption Layers from the Protein HFBII Hydrophobin: Effect of Added β-Casein. G.M. Radulova, K.Golemanov, K.D. Danov, P.A. Kralchevsky, S.D. Stoyanov, L.N. Arnaudov, T.B.J. Blijdenstein, E.G. Pelan, A.Lips, Langmuir 28 (2012) 4168-4177.
744. The Standard Free Energy of Surfactant Adsorption at Air/Water and Oil/Water Interfaces: Theoretical vs. Empirical Approaches. K.D. Danov, P.A. Kralchevsky, Colloid Journal 74 (2012) 172-185.
745. Foaming and Foam Stability for Mixed Polymer−Surfactant Solutions: Effects of Surfactant Type and Polymer Charge. R. Petkova, S. Tcholakova, N. Denkov, Langmuir 28 (2012) 4996−5009.
746. Foam Rheology. N. D. Denkov, S. Tcholakova, R. Hoehler, S. Cohen-Addad, Chapter 6 in Foam Engineering: Fundamentals and Applications (1st Edition; P. Stevenson, Ed.), John Wiley & Sons, Chichester, UK, 2012.
747. Interfacial Layers from the Protein HFBII Hydrophobin: Dynamic Surface Tension, Dilatational Elasticity and Relaxation Times. N.A. Alexandrov, K.G. Marinova, T.D. Gurkov, K.D. Danov, P.A. Kralchevsky, S.D. Stoyanov, T.B.J. Blijdenstein, L.N. Arnaudov, E.G. Pelan, A. Lips, J. Colloid Interface Sci. 376 (2012) 296-306.
748. Effects of Emulsifier Charge and Concentration on Pancreatic Lipolysis. 1. In the Absence of Bile Saltsd. Z. Vinarov, Y. Petkova, S. Tcholakova, N. Denkov, S. Stoyanov, E. Pelan, A Lips, Langmuir 28 (2012) 8127-8139.
749. Effects of Emulsifier Charge and Concentration on Pancreatic Lipolysis: 2. Interplay of Emulsifiers and Biles. Z. Vinarov, S. Tcholakova, B. Damyanova, Y. Atanasov, N. Denkov, S. Stoyanov, E. Pelan, A. Lips, Langmuir 28 (2012) 12140-12150.
750. Surface Shear Rheology of Saponin Adsorption Layers. K. Golemanov, S. Tcholakova, N. Denkov, E. Pelan, S. Stoyanov, Langmuir 28 (2012) 12071-12084.
751. Determination of the Aggregation Number and Charge of Ionic Surfactant Micelles from the Stepwise Thinning of Foam Films. S.E. Anachkov, K.D. Danov, E.S. Basheva, P.A. Kralchevsky, K.P. Ananthapadmanabhan, Adv. Colloid Interface Sci. 183-184 (2012) 55-67.
752. Surface Shear Rheology of Hydrophobin Adsorption Layers: Laws of Viscoelastic Behaviour with Applications to Long-Term Foam Stability. K.D. Danov, G.M. Radulova, P.A. Kralchevsky, K. Golemanov, S.D. Stoyanov, Faraday Discussions. 158 (2012) 195-221.
753. In vitro study of triglyceride lipolysis and phase distribution of the reaction products and cholesterol: effects of calcium and bicarbonate. Z. Vinarov, L. Petrova, S. Tcholakova, N. Denkov, S. Stoyanov, A. Lips, Food & Function 3 (2012) 1206-1220.
754. Petrova, Jasmina; Romanova, Julia; Madjarova, Galia; et al. Absorption Spectra of Model Single Chains of Conducting Polyaniline, Journal of Physical Chemistry B Volume: 116 Issue: 22 Pages: 6543-6552 Published: JUN 7 2012

755. Tsekov, R.; Vayssilov, G.N. Bayesian approach to electron correlation in density functional theory, Annalen Der Physik Volume: 524 Issue: 12 Pages: 822-825 Published: DEC 2012.
756. Tsekov, R.; Toshev, B. V. Capillary pressure of van der Waals liquid nanodrops, Colloid Journal Volume: 74 Issue: 2 Pages: 266-268 Published: APR 2012.
757. Tsekov, Roumen; Grozev, Nikolay A.; Delcheva, Iliyana V.; et al. Delta-Comb Potential in Modeling Three-Phase Contact Line (TPCL) on Periodically Patterned Surfaces, Journal of Physical Chemistry B Volume: 116 Issue: 44 Pages: 13248-13253 Published: NOV 8 2012.
758. Georgieva, Ivelina; Danchova, Nina; Gutzov, Stoyan; et al. DFT modeling, UV-Vis and IR spectroscopic study of acetylacetone-modified zirconia sol-gel materials, Journal of Molecular Modeling Volume: 18 Issue: 6 Pages: 2409-2422 Published: JUN 2012.
759. Li, Xueliang; Karakashev, Stoyan I.; Evans, Geoffrey M.; et al. Effect of Environmental Humidity on Static Foam Stability, Langmuir Volume: 28 Issue: 9 Pages: 4060-4068 Published: MAR 6 2012.
760. Vilkova, Natalya G.; Elaneva, Svetlana I.; Karakashev, Stoyan I. Effect of hexylamine concentration on the properties of foams and foam films stabilized by Ludox, Mendeleev Communications Volume: 22 Issue: 4 Pages: 227-228 Published: JUL-AUG 2012.
761. Vinogradova, Olga I.; Bocquet, Lyderic; Bogdanov, Artem N.; et al. Electrostatic interaction of neutral semi-permeable membranes, Journal of Chemical Physics Volume: 136 Issue: 3 Published: JAN 21 2012.
762. Velinova, Maria; Tsoneva, Yana; Ivanova, Anela; et al. Estimation of the Mutual Orientation and Intermolecular Interaction of C12Ex from Molecular Dynamics Simulations. Journal of Physical Chemistry B Volume: 116 Issue: 16 Pages: 4879-4888 Published: APR 26 2012.
763. Georgiev, Georgi As.; Vassilieff, Christian; Jordanova, Albena; et al., Foam film study of albumin inhibited lung surfactant preparations: effect of added hydrophilic polymers, Soft Matter Volume: 8 Issue: 48 Pages: 12072-12079 Published: 2012.
764. Karakashev, Stoyan I.; Georgiev, Petyr; Balashev, Konstantin, Foam production - Ratio between foaminess and rate of foam decay, Journal of Colloid and Interface Science Volume: 379 Pages: 144-147 Published: AUG 1 2012.
765. Karakashev, Stoyan I.; Grozdanova, Michaela V., Foams and antifoams, Advances in Colloid and Interface Science Volume: 176 Pages: 1-17 Published: AUG-SEP 2012.
766. Georgieva, Milena; Roguev, Assen; Balashev, Konstantin; et al., Hho1p, the linker histone of Saccharomyces cerevisiae, is important for the proper chromatin organization in vivo, Biochimica Et Biophysica Acta-Gene Regulatory Mechanisms Volume: 1819 Issue: 5 Pages: 366-374 Published: MAY 2012.
767. Tsekov, Roumen, Quantum Friction, Chinese Physics Letters Volume: 29 Issue: 12 Published: DEC 2012.
768. Slavchov, Radomir I.; Novev, Javor K., Surface tension of concentrated electrolyte solutions, Journal of Colloid and Interface Science Volume: 387 Pages: 234-243 Published: DEC 1 2012.
769. Velinova, M.; Tsoneva, Y.; Shushkov, Ph.; et al., Systematic Derivation and Testing of AMBER Force Field Parameters for Fatty Ethers from Quantum Mechanical Calculations, Advances in the Theory of Quantum Systems in Chemistry and Physics Volume: 22 Pages: 461-480 Published: 2012.
770. Petrova, S. D.; Atanasov, V. N.; Balashev, K.; et al., VIPOXIN AND ITS COMPONENTS: STRUCTURE-FUNCTION RELATIONSHIP, Structural and Mechanistic Enzymology: Bringing Together Experiments and Computing Volume: 87 Pages: 117-153 Published: 2012.