

UNIVERZITA KOMENSKÉHO

FAKULTA MATEMATIKY, FYZIKY A INFORMATIKY

Zoznam publikačnej činnosti - EVIPUB

RNDr. Pavol Vitovič, PhD

ADC Vedecké práce v zahraničných karentovaných časopisoch

ADC01 Hianik, Tibor 5% - Vitovič, Pavol 45% - Humeník, Drahošlav 20%- Andreev, S. J. 10% - Oretskaya, Tatiana S. 10% - Hall, Elisabeth A. H. 5% - Vadgama, Pankaj 5%: Hybridization of DNA at the surface of phospholipid monolayers. Effect of orientation of oligonucleotide chains
Lit. 17 zázn., 4 obr.

In: Bioelectrochemistry. - Vol. 59, No. 1-2 (2003), s. 35-40

Ohlasy (4):

[o1] 2004 Khomutov, G. B.: Interfacially formed organized planar inorganic, polymeric and composite nanostructures. In: Advances in Colloid and Interface Science, Vol. 111, No. 1-2, Sp. Iss., 2004, s. 79-116 - SCI ; SCOPUS

[o1] 2005 Thomas, D. L. - Blum, L. J. - Girard-Egrot, A. P.: Effect of deoxyribonucleic acid interaction on the interfacial properties of a fluid functionalized lipidic matrix. In: Thin Solid Films, Vol. 483, No. 1-2, 2005, s. 319-329 - SCI ; SCOPUS

[o1] 2008 Tauraitė, D. - Razumas, V. - Nylander, T. - Butkus, E.: Interfacial behavior of ferrocene- and 1,4-naphthoquinone-based compounds, and their mixtures with monoolein at the air/water interface. In: Zeitschrift für Naturforschung -Section B, Vol. 63, No. 9, 2008, s. 1093-1100 - SCI ; SCOPUS

[o1] 2012 Olejnik, P., Gniadek, M., Palys, B.: Layers of polyaniline nanotubes deposited by Langmuir-Blodgett method. In: Journal of Physical Chemistry C, Vol. 116, No. 18, 2012, s. 10424-10429 - SCI ; SCOPUS

ADC02 Vitovič, Pavol 40% - Kresák, Slavoj 35% - Naumann, R. 5% - Schiller, S. M. 5% - Lewis, Ruthven N. A. H. 5% - Mc Elhaney, Ronn N. 5% - Hianik, Tibor 5%: The study of the interaction of a model .ALPHA.-helical peptide with lipid bilayers and monolayers

In: Bioelectrochemistry. - Vol. 63, No. 1-2 (2004), s. 169-176

[Bioelectrochemistry and Bioenergetics 2003 : International Symposium. 17th, Florence, 19.-24.6.2003]

Ohlasy (12):

[o1] 2005 Atanasov, V. - Knorr, N. - Duran, R. S. - Ingebrandt, S. - Offenhausser, A. - Knoll, W. - Koper, I.: Membrane on a chip: A functional tethered lipid bilayer membrane on silicon oxide surfaces. In: Biophysical Journal, Vol. 89, No. 3, 2005, s. 1780-1788 - SCI ; SCOPUS

[o1] 2005 Petelska, A. D. - Naumowicz, M. - Figaszewski, Z. A.: The effect of interaction between K⁺ ions and gramicidin D on the lecithin membrane interfacial tension, s. 143-148 - SCI ; SCOPUS

[o1] 2007 Vockenroth, I. K. - Atanasova, P. P. - Long, J. R. - Jenkins, A. T. A. - Knoll, W. - Koper, I.: Functional incorporation of the pore forming segment of AChR M2 into tethered bilayer lipid membranes. In: Biochimica et Biophysica Acta-Biomembranes, Vol. 1768, No. 5, 2007, s. 1114-1120 - SCI ; SCOPUS

[o1] 2008 Becucci, L. - Innocenti, M. - Salvietti, E. - Rindi, A. - Pasquini, I. - Vassalli, M. - Foresti, M. L. - Guidelli, R.: Potassium ion transport by gramicidin and valinomycin across a Ag(111)-supported tethered bilayer lipid membrane. In: Electrochimica Acta, Vol. 53, No. 22, 2008, s. 6372-6379 - SCI ; SCOPUS

[o1] 2009 Qi, H. - Yang, L. - Xue, R. - Song, Y. - Wang, S. - Li, F.: The third and fourth transmembrane domains of Slc11a1: Comparison of their structures and positioning in phospholipid model membranes. In: Biopolymers, Vol. 92, No. 1, 2009, s. 52-64 - SCI ; SCOPUS

[o1] 2010 Becucci, L. - D'Amico, M. - Daniele, S. - Olivotto, M. - Pozzi, A. - Guidelli, R.: A metal-supported biomimetic micromembrane allowing the recording of single-channel activity and of impedance spectra of membrane proteins. In: Bioelectrochemistry, Vol. 78, No. 2, 2010, s. 176-180 - SCI ; SCOPUS

- [o1] 2010 Cloutier, I. - Paradis-Bleau, C. - Giroux, A. M. - Pigeon, X. - Arseneault, M. - Levesque, R. C. - Auger, M.: Biophysical studies of the interactions between the phage PHI KZ gp144 lytic transglycosylase and model membranes. In: European Biophysics Journal, Vol. 39, No. 2, 2010, s. 263-276 - SCI ; SCOPUS
- [o1] 2011 Guidelli, R. - Becucci, L.: Estimate of the potential difference across metal/water interfaces and across the lipid bilayer moiety of biomimetic membranes: An approach. In: Soft Matter, Vol. 7, No 6, 2011, s. 2195-2201 - SCI ; SCOPUS
- [o1] 2011 Jung, M. - Vogel, N. - Koper, I.: Nanoscale patterning of solid-supported membranes by integrated diffusion barriers. In: Langmuir, Vol. 27, No. 11, 2011, s. 7008-7015 - SCI ; SCOPUS
- [o1] 2011 Yarrow, F.: An AFM study of solid-phase bilayers of unsaturated PC lipids and the lateral distribution of the transmembrane model peptide WALP23 in these bilayers. In: European Biophysics Journal, Vol. 40, No. 7, 2011, s. 825-833 -SCI ; SCOPUS
- [o1] 2012 Nikoleli, G. P. - Nikolelis, D. P. - Tzamtzis, N.: Lipid Based Nano-biosensors for Medical Diagnostics. In: Intelligent Nanomaterials: Processes, Properties, and Applications. Hoboken : John Wiley, 2012, S. 783 800 - SCOPUS
- [o1] 2012 Petelska, A. D.: Interfacial tension of bilayer lipid membranes. In: Central European Journal of Chemistry, Vol. 10, No. 1, 2012, s. 16-26 - SCI ; SCOPUS

ADC03 Vitovič, Pavol 90% - Nikolelis, Dimitrios P. 5% - Hianik, Tibor 5%: Study of calix[4]resorcinarene dopamine complexation in mixed phospholipid monolayers formed at the air water interface
Lit. 30 zázn., 9 obr., 3 tab.

In: Biochimica et Biophysica Acta - Biomembranes. - Vol. 1758, No. 11 (2006), s. 1852-1861

Ohlasy (6):

- [o1] 2008 Duncan, S. L. - Larson, R. G.: Comparing experimental and simulated pressure-area isotherms for DPPC. In: Biophysical Journal, Vol. 94, No. 8, 2008, s. 2965-2986 - SCI ; SCOPUS
- [o1] 2010 Funck, M. - Guest, D. P. - Cave, G. W. V.: Microwave-assisted synthesis of resorcin[4]arene and pyrogallol[4]arene macrocycles. In: Tetrahedron Letters, Vol. 51, No. 49, 2010, s. 6399-6402 - SCI ; SCOPUS
- [o1] 2011 Daschbach, M. M. - Kulikov, O. V. - Long, E. F. - Gokel, G. W.: Pyrogallol[4]arenes show highly variable amphiphilic behavior at the air-water interface dependent upon side chain length and branching. In: Chemistry - A European Journal, Vol. 17, No. 32, 2011, s. 8913-8921 - SCI ; SCOPUS
- [o1] 2012 Borzenkova, N. V. - Veselova, I. A. - Shekhovtsova, T. N.: Opportunities to improve selectivity of determining oxidoreductase substrate using artificial receptors. In: Moscow University Chemistry Bulletin, Vol. 67, No. 5, 2012, s.211-228 - SCOPUS
- [o1] 2012 Gzyl-Malcher, B. - Handzlik, J. - Klekowska, E.: Interaction of prazosin with model membranes - A Langmuir monolayer study. In: Bioelectrochemistry, Vol. 87, 2012, s. 96-103 - SCI ; SCOPUS
- [o1] 2012 Hoyo, J. - Torrent-Burgues, J. - Gaus, E.: Biomimetic monolayer films of monogalactosyldiacylglycerol incorporating ubiquinone. In: Journal of Colloid and Interface Science, Vol. 384, No. 1, 2012, s. 189-197 - SCI ; SCOPUS

ADC04 Weis, Martin 35% - Vančo, Marek 20% - Vitovič, Pavol 35% - Hianik, Tibor 5% - Cirák, Július 5%: Study of gramicidin A-phospholipid interactions in langmuir monolayers: Analysis of their mechanical, thermodynamical, and electrical properties

Lit. 28 zázn., 8 obr.

In: Journal of Physical Chemistry B. - Vol. 110, No. 51 (2006), s. 26272-26278

Ohlasy (4):

- [o1] 2009 Sek, S. - Laredo, T. - Dutcher, J. R. - Lipkowski, J.: Molecular resolution imaging of an antibiotic peptide in a lipid matrix. In: Journal of the American Chemical Society, Vol. 131, No. 18, 2009, s. 6439-6444 - SCI ; SCOPUS
- [o1] 2011 Laredo, T. - Dutcher, J. R. - Lipkowski, J.: Electric field driven changes of a gramicidin containing lipid bilayer supported on a Au(111) surface. In: Langmuir, Vol. 27, No. 16, 2011, s. 10072-10087 - SCI ; SCOPUS
- [o1] 2012 Yoshino, M. - Takahashi, H. - Takagi, T. - Baba, T. - Morita, K. - Amii, H. - Kanamori, T. - Sonoyama, M.: Effect of partial fluorination in the myristoyl groups on thermal and interfacial properties of dimyristoylphosphatidylcholine. In: Chemistry Letters, Vol. 41, No. 11, 2012, s. 1495-1497 - SCI ; SCOPUS
- [o1] 2013 Nakahara, H. - Ohmine, A. - Kai, S. - Shibata, O.: Monolayer compression induces fluidization in binary system of partially fluorinated alcohol (F4H11OH) with DPPC. In: Journal of Oleo Science, Vol. 62, No. 5, 2013, s. 271-281 - SCI; SCOPUS

- ADC05 Vitovič, Pavol 50% - Weis, Martin 30% - Tomčík, Pavol 10%- Cirák, Július 5% - Hianik, Tibor 5%:
 Maxwell displacement current allows to study structural changes of gramicidin A in monolayers at the air-water interface
 Lit. 36 zázň., 12 obr.
 In: Bioelectrochemistry. - Vol. 70, No. 2 (2007), s. 469-480
Ohlasy (1):
 [ol] 2012 Cong, P. - Wu, Y. - Ran, W. - Fang, X.: Inhibition of generation and transport of formaldehyde on gas/liquid interface by monolayer. In: Huagong Xuebao/CIESC Journal, Vol. 63, No. 8, 2012, s. 2518-2523 - SCOPUS
- ADC06 Vitovič, Pavol 80% - Alakoskela, Juha-Matti 15% - Kinnunen, Paavo K. J. 5%: Assessment of drug-lipid complex formation by a high-throughput Langmuir-balance and correlation to phospholipidosis
 Lit. 55 zázň.
 In: Journal of Medicinal Chemistry. - Vol. 51, No. 6 (2008), s. 1842-1848
Ohlasy (20):
 [ol] 2008 Ivanciuc, O.: Weka machine learning for predicting the phospholipidosis inducing potential. In: Current Topics in Medicinal Chemistry, Vol. 8, No. 18, 2008, s. 1691-1709 - SCI ; SCOPUS
 [ol] 2009 Miyamoto, S. - Matsumoto, A. - Mori, I. - Horinouchi, A.: Relationship between in vitro phospholipidosis assay using HepG2 cells and 2-week toxicity studies in rats. In: Toxicology Mechanisms and Methods, Vol. 19, No. 8, 2009, s.477-485 - SCI ; SCOPUS
 [ol] 2009 Seddon, A. M. - Casey, D. - Law, R. V. - Gee, A. - Templer, R. H. - Ces, O.: Drug interactions with lipid membranes. In: Chemical Society Reviews, Vol. 38, No. 9, 2009, s. 2509-2519 - SCI ; SCOPUS
 [ol] 2010 Georgiev, G. D. - Georgiev, G. A. - Lalchev, Z.: Interaction of gentamicin with phosphatidylserine/phosphatidylcholine mixtures in adsorption monolayers and thin liquid films: morphology and thermodynamic properties. In: EuropeanBiophysics Journal Letters, Vol. 39, No. 9, 2010, s. 1301-1312 - SCI ; SCOPUS
 [ol] 2010 Hanumegowda, U. M. - Wenke, G. - Regueiro-Ren, A. - Yordanova, R. - Corradi, J. P. - Adams, S. P.: Phospholipidosis as a Function of Basicity, Lipophilicity, and Volume of Distribution of Compounds. In: Chemical Research in Toxicology, Vol. 23, No. 4, 2010, s. 749-755 - SCI ; SCOPUS
 [ol] 2010 Kuroda, Y. - Saito, M.: Prediction of phospholipidosis-inducing potential of drugs by in vitro biochemical and physicochemical assays followed by multivariate analysis. In: Toxicology in Vitro, Vol. 24, No. 2, 2010, s. 661-668 - SCI; SCOPUS
 [ol] 2011 Bairagi, B. - Banjara, R. A. - Bhoite, S. A.: Kinetics of hydrolysis of Mono-4-methyl-2nitro aniline phosphate ester in buffer medium. In: International Journal of PharmTech Research, Vol. 3, No. 4, 2011, s. 2011-2016 - SCOPUS
 [ol] 2011 Filippone, E. J. - Carson, J. M. - Beckford, R. A. - Jaffe, B. C. - Newman, E. - Awsare, B. K. - Doria, C. - Farber, J. L.: Sirolimus-induced Pneumonitis Complicated by Pentamidine-induced Phospholipidosis in a Renal TransplantRecipient: A Case Report. In: Transplantation Proceedings, Vol. 43, No. 7, 2011, s. 2792-2797 - SCI ; SCOPUS
 [ol] 2011 Murakami, T. - Yumoto, R.: Role of phosphatidylserine binding in tissue distribution of amine-containing basic compounds. In: Expert Opinion on Drug Metabolism and Toxicology, Vol. 7, No. 3, 2011, s. 353-364 - SCI ; SCOPUS
 [ol] 2011 Przybylak, K. R. - Cronin, M. T. D.: In Silico Studies of the Relationship Between Chemical Structure and Drug Induced Phospholipidosis. In: Molecular Informatics, Vol. 30, No. 5, 2011, s. 415-429 - SCI ; SCOPUS
 [ol] 2011 van de Water, F. M. - Havinga, J. - Ravesloot, W. T. - Horbach, G. J. M. J. - Schoonen, W. G. E. J.: High content screening analysis of phospholipidosis: Validation of a 96-well assay with CHO-K1 and HepG2 cells for the prediction of in vivo based phospholipidosis. In: Toxicology in Vitro, Vol. 25, No. 8, 2011, s. 1870-1882 - SCI ; SCOPUS
 [ol] 2011 Zhou, Liping - Geraci, Gina - Hess, Sloan - Yang, Linhong - Wang, Jianling - Argikar, Upendra: Predicting Phospholipidosis: A Fluorescence Noncell Based in Vitro Assay for the Determination of Drug-Phospholipid Complex Formation in Early Drug Discovery. In: Analytical Chemistry, Vol. 83, No. 18, 2011, s. 6980-6987 - SCI ; SCOPUS
 [ol] 2012 Jiang, Z. - Reilly, J.: Chromatography approaches for early screening of the phospholipidosis-inducing potential of pharmaceuticals. In: Journal of Pharmaceutical and Biomedical Analysis, Vol. 61, 2012, s. 184-190 - SCI ; SCOPUS
 [ol] 2012 Muehlbacher, M. - Tripal, P. - Roas, F. - Kornhuber, J.: Identification of Drugs Inducing Phospholipidosis by Novel in vitro Data. In: ChemMedChem, Vol. 7, No. 11, 2012, s. 1925-1934 - SCI ; SCOPUS

- [o1] 2012 Teresa Donato, M. - Jose Gomez-Lechon, M.: Drug-induced Liver Steatosis and Phospholipidosis: Cell-Based Assays for Early Screening of Drug Candidates. In: *Current Drug Metabolism*, Vol. 13, No. 8, 2012, s. 1160-1173 - SCI ; SCOPUS
- [o1] 2013 Balogh, G. T. - Mueller, J. - Koenczoel, A.: pH-gradient PAMPA-based in vitro model assay for drug-induced phospholipidosis in early stage of drug discovery. In: *European Journal of Pharmaceutical Sciences*, Vol. 49, No. 1, 2013, s.81-89 - SCI ; SCOPUS
- [o1] 2013 Goracci, L. - Ceccarelli, M. - Bonelli, D. - Cruciani, G.: Modeling Phospholipidosis Induction: Reliability and Warnings. In: *Journal of Chemical Information and Modeling*, Vol. 53, No. 6, 2013, s. 1436-1446 - SCI ; SCOPUS
- [o1] 2013 Choi, S. S. - Kim, J. S. - Valerio, L. G. - Sadrieh, N.: In silico modeling to predict drug-induced phospholipidosis. In: *Toxicology and Applied Pharmacology*, vol. 269, issue 2, 2013, s. 195-204 - SCI ; SCOPUS
- [o1] 2013 Chwastek, G. - Schwille, P.: A Monolayer Assay Tailored to Investigate Lipid-Protein Systems. In: *ChemPhysChem*, Vol. 14, No. 9, 2013, s. 1877-1881 - SCI ; SCOPUS
- [o1] 2013 Romao, R. I. S. - Macoas, E. - Martinho, J. M. G. - Goncalves da Silva, A. M. P. S.: Interaction of toremifene with dipalmitoyl-phosphatidyl-glycerol in monolayers at the air-water interface followed by fluorescence microscopy in Langmuir-Blodgett films. In: *Thin Solid Films*, Vol. 534, 2013, s. 584-590 - SCI ; SCOPUS

ADC07 Alakoskela, Juha-Matti 50% - Vitovič, Pavol 40% - Kinnunen, Paavo K. J. 10%: Screening for the drug-phospholipid interaction: Correlation to phospholipidosis

Lit. 233 zázň.

In: *ChemMedChem*. - Vol. 4, No. 8 (2009), s. 1224-1251

Ohlasy (25):

- [o1] 2011 Baik, J. - Rosania, G. R.: Molecular imaging of intracellular drug-membrane aggregate formation. In: *Molecular Pharmaceutics*, Vol. 8, No. 5, 2011, s. 1742-1749 - SCI ; SCOPUS
- [o1] 2011 Georgiev, G. A. - Yokoi, N. - Koev, K. - Kutsarova, E. - Ivanova, S. - Kyumurkov, A. - Jordanova, A. - Krastev, R. - Lalchev, Z.: Surface chemistry study of the interactions of benzalkonium chloride with films of meibum, corneal cells lipids, and whole tears. In: *Investigative Ophthalmology and Visual Science*, Vol. 52, No. 7, 2011, s. 4645-4654 - SCI ; SCOPUS
- [o1] 2011 Kerboeuf, D. - Guegnard, F.: Anthelmintics are substrates and activators of nematode P glycoprotein. In: *Antimicrobial Agents and Chemotherapy*, Vol. 55, No. 5, 2011, s. 2224-2232 - SCI ; SCOPUS
- [o1] 2011 Meanwell, N. A.: Improving drug candidates by design: A focus on physicochemical properties as a means of improving compound disposition and safety. In: *Chemical Research in Toxicology*, Vol. 24, No. 9, 2011, s. 1420-1456 - SCI ; SCOPUS
- [o1] 2011 Murakami, T. - Yumoto, R.: Role of phosphatidylserine binding in tissue distribution of amine-containing basic compounds. In: *Expert Opinion on Drug Metabolism and Toxicology*, Vol. 7, No. 3, 2011, s. 353-364 - SCI ; SCOPUS
- [o1] 2011 Orso, E. - Grandl, M. - Schmitz, G.: Oxidized LDL-induced endolysosomal phospholipidosis and enzymatically modified LDL-induced foam cell formation determine specific lipid species modulation in human macrophages. In: *Chemistry and Physics of Lipids*, Vol. 164, No. 6, 2011, s. 479-487 - CPCI-S ; SCOPUS
- [o1] 2011 Peropadre, A. - Fernandez Freire, P. - Herrero, O. - Perez Martin, J. M. - Hazen, M. J.: Cellular responses associated with dibucaine-induced phospholipidosis. In: *Chemical Research in Toxicology*, Vol. 24, No. 2, 2011, s. 185-192 - SCI ; SCOPUS
- [o1] 2011 Pignatello, R. - Musumeci, T. - Basile, L. - Carbone, C. - Puglisi, G.: Biomembrane models and drug-biomembrane interaction studies: Involvement in drug design and development. In: *Journal of Pharmacy and Bioallied Sciences*, Vol. 3, No. 1, 2011, s. 4-14 - SCOPUS
- [o1] 2011 Przybylak, K. R. - Cronin, M. T. D.: In silico studies of the relationship between chemical structure and drug induced phospholipidosis. In: *Molecular Informatics*, Vol. 30, No. 5, 2011, s. 415-429 - SCI ; SCOPUS
- [o1] 2011 Rendal, C. - Kusk, K. O. - Trapp, S.: Optimal choice of pH for toxicity and bioaccumulation studies of ionizing organic chemicals. In: *Environmental Toxicology and Chemistry*, Vol. 30, No. 11, 2011, s. 2395-2406 - SCI ; SCOPUS
- [o1] 2011 Song, M. - Kim, Y. J. - Ryu, J. C.: Phospholipidosis induced by PPAR γ signaling in human bronchial epithelial (BEAS-2B) cells exposed to amiodarone. In: *Toxicological Sciences*, Vol. 120, No. 1, 2011, s. 98-108 - SCI ; SCOPUS

- [o1] 2011 Vulimiri, S. V. - Berger, A. - Sonawane, B.: The potential of metabolomic approaches for investigating mode(s) of action of xenobiotics: Case study with carbon tetrachloride. In: Mutation Research - Genetic Toxicology and Environmental Mutagenesis, Vol. 722, No. 2, 2011, s. 147-153 - SCI ; SCOPUS [o1]
- 2011 Zschocke, J. - Zimmermann, N. - Berning, B. - Ganai, V. - Holsboer, F. - Rein, T.: Antidepressant drugs diversely affect autophagy pathways in astrocytes and neurons-dissociation from cholesterol homeostasis. In: Neuropsychopharmacology, Vol. 36, No. 8, 2011, s. 1754-1768 - SCI ; SCOPUS
- [o1] 2012 Bayram, M. T. - Alaygut, D. - Ozturk, Y. - Sarioglu, S. - Soyulu, A. - Turkmen, M. - Kavukcu, S.: Asymptomatic proteinuria in a child with recurrent urinary tract infections-questions. In: Pediatric Nephrology, Vol. 27, No. 5, 2012, s. 761-764 - SCI ; SCOPUS
- [o1] 2012 Georgiev, G. A. - Yokoi, N. - Ivanova, S. - Krastev, R. - Lalchev, Z.: Surface chemistry study of the interactions of pharmaceutical ingredients with human meibum films. In: Investigative Ophthalmology and Visual Science, Vol. 53, No. 8, 2012, s. 4605-4615 - SCI ; SCOPUS
- [o1] 2012 Jiang, Z. - Reilly, J.: Chromatography approaches for early screening of the phospholipidosis-inducing potential of pharmaceuticals. In: Journal of Pharmaceutical and Biomedical Analysis, Vol. 61, 2012, s. 184-190 - SCI ; SCOPUS
- [o1] 2012 Muehlbacher, M. - Tripal, P. - Roas, F. - Kornhuber, J.: Identification of Drugs Inducing Phospholipidosis by Novel in vitro Data. In: ChemMedChem, Vol. 7, No. 11, 2012, s. 1925-1934 - SCI ; SCOPUS
- [o1] 2012 Nujic, K. - Banjanac, M. - Munic, V. - Polancec, D. - Erakovic Haber, V.: Impairment of lysosomal functions by azithromycin and chloroquine contributes to anti-inflammatory phenotype. In: Cellular Immunology, Vol. 279, No. 1, 2012, s. 78-86 - SCI ; SCOPUS
- [o1] 2012 Park, S. - Choi, Y. J. - Lee, B. H.: In vitro validation of drug-induced phospholipidosis. In: Journal of Toxicological Sciences, Vol. 37, No. 2, 2012, s. 261-267 - SCI ; SCOPUS
- [o1] 2012 Rasch, M. R. - Yu, Y. - Bosoy, C. - Goodfellow, B. W. - Korgel, B. A.: Chloroform-enhanced incorporation of hydrophobic gold nanocrystals into dioleoylphosphatidylcholine (DOPC) vesicle membranes. In: Langmuir, Vol. 28, No. 36, 2012, s. 12971-12981 - SCI ; SCOPUS
- [o1] 2012 Teresa Donato, M. - Gomez-Lechon, M. J.: Drug-induced liver steatosis and phospholipidosis: Cell-based assays for early screening of drug candidates. In: Current Drug Metabolism, Vol. 13, No. 8, 2012, s. 1160-1173 - SCI ; SCOPUS
- [o1] 2013 Baik, J. - Stringer, K. A. - Mane, G. - Rosania, G. R.: Multiscale distribution and bioaccumulation analysis of clofazimine reveals a massive immune system-mediated xenobiotic sequestration response. In: Antimicrobial Agents and Chemotherapy, Vol. 57, No. 3, 2013, s. 1218-1230 - SCI ; SCOPUS
- [o1] 2013 Ellegaard, A. M. - Groth-Pedersen, L. - Oorschot, V. - Klumperman, J. - Kirkegaard, T. - Nylandsted, J. - Jaattela, M.: Sunitinib and SU11652 inhibit acid sphingomyelinase, destabilize lysosomes, and inhibit multidrug resistance. In: Molecular Cancer Therapeutics, Vol. 12, No. 10, 2013, s. 2018-2030 - SCI ; SCOPUS
- [o1] 2013 Ghosh, D. - Chattopadhyay, N.: Equilibrium and dynamic effects on ligand binding to biomacromolecules and biomimetic model systems. In: International Reviews in Physical Chemistry, Vol. 32, No. 3, 2013, s. 435-466 - SCOPUS
- [o1] 2013 Shayman, J. A. - Abe, A.: Drug induced phospholipidosis: An acquired lysosomal storage disorder. In: Biochimica et Biophysica Acta - Molecular and Cell Biology of Lipids, Vol. 1831, No. 3, 2013, s. 602-611 - SCI ; SCOPUS

ADC08 Borges, Marcelo B. D. 50% - Dos Santos, Carolina G. 15% - Yokomizo, Cesar H. 10% - Sood, Rohit 5% - Vitovič, Pavol 5% - Kinnunen, Paavo K. J. 5% - Rodrigues, Tiago 5% - Nantes, Iseli L. 5%: Characterization of hydrophobic interaction and antioxidant properties of the phenothiazine nucleus in mitochondrial and model membranes

Lit. 35 zázň.

In: Free Radical Research. - Vol. 44, No. 9 (2010), s. 1054-1063

Ohlasy (1):

- [o1] 2013 Dorneanu, S. A. - Muresan, L. M. - Horovitz, O. - Popescu, I. C.: Electrochemical and spectroelectrochemical behavior of N-methyl phenothiazinyl meso-substituted porphyrins and their complexes with Ni(II), Cu(II) and Pd(II). In: Journal of Electroanalytical Chemistry, Vol. 698, 2013, s. 17-24 - SCI ; SCOPUS

ADC09 Wróbel, Dominika 3% - Klys, Arkadiusz 3% - Ionov, Maksim 3% - Vitovič, Pavol 27% - Waczulíková, Iveta 26% - Hianik, Tibor 26% - Gomez-Ramirez, Rafael 3% - de la Mata, Javier 3% - Klajnert, Barbara 3% - Bryszewska, Maria 3%: Cationic carbosilane dendrimers-lipid membrane interactions

Lit. 49 zázň.

In: Chemistry and Physics of Lipids. - Vol. 165, No. 4 (2012), s. 401-407

Ohlasy (1):

[o1] 2013 Velikonja, A. - Santhosh, P. B. - Gongadze, E. - Kulkarni, M. - Elersic, K. - Perutkova, S. - Kralj-Iglic, V. - Ulrih, N. P. - Igljč, A: Interaction between dipolar lipid headgroups and charged nanoparticles mediated by water dipoles and ions. In: International Journal of Molecular Sciences, Vol. 14, No. 8, 2013, s. 15312-15329 - SCOPUS

ADD Vedecské práce v domácich karentovaných časopisoch

ADD01 Vitovič, Pavol 50% - Subjakova, Veronika 10% - Hianik, Tibor 40%: The physical properties of lipid monolayers and bilayers containing calixarenes sensitive to cytochrome c
Lit. 58 záz. obr.
In: General Physiology and Biophysics. - Roč. 32, č. 2 (2013), s. 189-200

ADE Vedecské práce v ostatných zahraničných časopisoch

ADE01 Hianik, Tibor 50% - Garaiová, Zuzana 30% - Vargová, Veronika 15% - Vitovič, Pavol 5%: Štúdium interakcie cytochrómu c s kalixarénmi zabudovanými do lipidových membrán
Lit. 21 záz., 9 obr.
In: Československý časopis pro fyziku. - Sv. 61, č. 3-4 (2011), s. 194-198

ADE02 Sood, Rohid 50% - Alakoskela, Juha-Matti 15% - Sood, Anjali 15% - Vitovič, Pavol 15% - Kinnunen, Paavo K. J. 5%: Effect of spacer length on the specificity of counterion-cationic gemini surfactant interaction
Lit. 23 záz. obr.
In: Journal of Applied Solution Chemistry and Modeling [elektronický zdroj]. - Vol. 1, No. 1 (2012), s. 13-24 [online]

AFD Publikované príspevky na domácich vedeckých konferenciách

AFD01 Vitovič, Pavol - Hianik, Tibor : Study of resordin[4]arene-dopamine complexation in mixed phospholipid monolayers
Lit. 7 záz., 4 obr.
In: Slovak Biophysical Symposium. - Košice : Univerzita P. J. Šafárika, 2006. - S. 31-32 [Slovak Biophysical Symposium 2006. 2nd, Herľany, 26.-29.3.2006]

AFG Abstrakty príspevkov zo zahraničných vedeckých konferencií

AFG01 Hianik, Tibor - Rybár, Peter - Vitovič, Pavol - Kresák, Slavoj - Samuely, Tomáš - Krivánek, Roland - Urban, Ján - Štefánková, Eva - Lewis, Ruthven N. A. H. - Mc Elhaney, Ronn N. : The mechanisms of the interaction of model .ALPHA.-helicalpeptides with lipid bilayers and monolayers
Lit. 1 záz. obr.
In: 17th International Symposium on Bioelectrochemistry and Bioenergetics. - Florence : University of Florence, 2003. - S. 77 [Bioelectrochemistry and Bioenergetics 2003 : International Symposium. 17th, Florence, 19.-24.6.2003]

AFG02 Vitovič, Pavol - Lewis, Ruthven N. A. H. - Mc Elhaney, Ronn N. - Hianik, Tibor : The study of the interaction of a model .ALPHA.-helical peptide with lipid bilayers and monolayers
In: SMCBS 2003. - Warsaw : Pielaszek Publications, 2003. - S. 21 [SMCBS 2003 : Surface Modification for Chemical and Biochemical Sensing : International Workshop. Bialowieża, 13.-16.11.2003]

AFG03 Vitovič, Pavol - Hianik, Tibor - Nikolelis, Dimitrios P. : Physical properties of artificial dopamine receptors in lipid monolayers
Lit. 3 záz. obr.
In: 1st International Workshop on Expression, Function and Structure of Membrane Proteins : Book of Abstracts. - Florence : University of Florence, 2006. - S. 31 [Expression, Function and Structure of Membrane Proteins : International Workshop. 1st, Florence, 18.-22.6.2006]
Grant APVT-51-013904,

AFG04 Hianik, Tibor - Weis, Martin - Janiček, Radoslav - Vitovič, Pavol - Cirák, Július : Electrical and thermodynamical properties of mixed calixarene-lipid monolayers at an air-water interface
In: 19th International Symposium on Bioelectrochemistry and Bioenergetics. - Toulouse : IPBS CNRS, 2007. - S. 124
[Bioelectrochemistry and Bioenergetics 2007 : International Symposium. 19th, Toulouse, 1.-4.4.2007]

AFG05 Vitovič, Pavol 40 % - Hianik, Tibor 30 % - Nikolelis, Dimitrios P. - Weis, Martin - Cirák, Július : Study of the interfacial properties of calixarenes and their interaction with dopamine in mixed phospholipid monolayers Lit. 5 záz. n.
In: SMCBS 2009. - Varšava : Polish Academy of Sciences, 2009. - S. 48
[SMCBS 2009 : Surface Modification for Chemical and Biochemical Sensing : International Workshop. 4th, Przegorzaly, 6.-10.11.2009]

AFG06 Vitovič, Pavol 30% - Hianik, Tibor 30% - Nikolelis, Dimitrios P. : Interfacial properties of calixarenes and their interactions with dopamine in mixed lipid monolayers
In: Regional Biophysics Conference 2010. - Zagreb : Croatian Biophysical Society, 2010. - S. 46
[RBC 2010 : Regional Biophysics Conference. 4th, Primošten, 15.-18.9.2010]

AFG07 Garaiová, Zuzana 15% - Vargová, V. 15% - Karpišová, Ivana 15% - Vitovič, Pavol 5% - Hianik, Tibor 50%:
The study of the interaction of cytochrome c with calixarenes incorporated into the lipid bilayers and monolayers
In: 21st International Symposium on Bioelectrochemistry and Bioenergetics: Abstracts. - Cracow : J. Haber Institute of Catalysis and Surface Chemistry PAS, 2011. - S. 319. - ISBN 978-83-62139-23-1
[Bioelectrochemistry and Bioenergetics 2011 : International Symposium. 21st, Cracow, 8.-12.5.2011]

AFG08 Hianik, Tibor 60% - Vitovič, Pavol 30% - Šbjaková, Veronika 10%: The physical properties of lipid monolayers and bilayers containing calixarenes
In: 21st International Symposium on Bioelectrochemistry and Bioenergetics: Abstracts. - Cracow : J. Haber Institute of Catalysis and Surface Chemistry PAS, 2011. - S. 322. - ISBN 978-83-62139-23-1
[Bioelectrochemistry and Bioenergetics 2011 : International Symposium. 21st, Cracow, 8.-12.5.2011]

AFH Abstrakty príspevkov z domácich vedeckých konferencií

AFH01 Weis, Martin - Cirák, Július - Vitovič, Pavol - Capek, Ignác - Majková, Eva - Kopáni, Martin - Hianik, Tibor :
Ellipsometry characterization of Langmuir-Blodgett films of metallic nanoparticles
Lit. 4 záz. n., 1 obr.
In: Workshop on Biophotonics and Molecular Simulations : Program and Abstract Book. - Bratislava : International Laser Centre, 2006. - S. S1-A8
[WBMS 2006 : Workshop on Biophotonics and Molecular Simulations. 1st, Bratislava, 9.-12.9.2006]
Grant APVT-51-013904,

AFH02 Vitovič, Pavol 100%: Lipid monolayers, structure, properties. Pressure-area isotherms
Lit. 5 záz. n.
In: Biophysics and Bioelectrochemistry of Biomimetic Structures : Summer School. - Bratislava : Comenius University, 2009. - S. 8
[Biophysics and Bioelectrochemistry of Biomimetic Structures: Summer School. Bratislava, 15.-21.6.2009]

AFH03 Vitovič, Pavol 100%: Analysis of molecular interactions by means of lipid monolayers
Lit. 5 záz. n.
In: Biophysics and Bioelectrochemistry of Biomimetic Structures : Summer School. - Bratislava : Comenius University, 2009. - S. 10
[Biophysics and Bioelectrochemistry of Biomimetic Structures: Summer School. Bratislava, 15.-21.6.2009]

AFH04 Vitovič, Pavol 60% - Hianik, Tibor 40%: The physical properties of calixarene containing monolayers at an air-water interface and their use in detection dopamine
Lit. 3 záz. n.
In: Nanoved & Nanotech & Techtransfer 2010. - Brno : Tribun EU, 2010. - S. S9-3. - ISBN 978-80-7399-949-0

AFK Postery zo zahraničných konferencií

AFK01 Vitovič, Pavol - Lewis, Ruthven N. A. H. - Mc Elhaney, Ronn N. - Hianik, Tibor : The interaction of model .ALPHA.-helical peptides with DMPC monolayers at the air-water interface

Lit. 1 záz. n.

In: 17th International Symposium on Bioelectrochemistry and Bioenergetics : Book of Abstracts . - Florence : University of Florence, 2003. - S. 187

[Bioelectrochemistry and Bioenergetics 2003 : International Symposium. 17th, Florence, 19.-24.6.2003]

AFK02 Vitovič, Pavol - Andreev, Sergey J. - Antsyrovich, Sergey I. - Oretskaya, Tatiana S. - Hianik, Tibor : The study of the hybridization of DNA at the surface of lipid monolayers. Effect of nucleotide mismatch

In: 17th International Symposium on Bioelectrochemistry and Bioenergetics : Book of Abstracts. - Florence : University of Florence, 2003. - S. 188

[Bioelectrochemistry and Bioenergetics 2003 : International Symposium. 17th, Florence, 19.-24.6.2003]

DAI Dizertačné a habilitačné práce

DAI01 Vitovič, Pavol 100% : Štúdium mechanizmov interakcií vybraných biopolymérov s lipidovými monovrstvami. - Bratislava : [s.n.], 2006. - 157 s.

Doktorandská dizertačná práca (PhD.) - Univerzita Komenského, Bratislava, 2006

Štatistika kategórií (Záznamov spolu: 28):

ADC Vedecké práce v zahraničných karentovaných časopisoch (9)

ADD Vedecké práce v domácich karentovaných časopisoch (1)

ADE Vedecké práce v ostatných zahraničných časopisoch (2)

AFD Publikované príspevky na domácich vedeckých konferenciách (1)

AFG Abstrakty príspevkov zo zahraničných vedeckých konferencií (8)

AFH Abstrakty príspevkov z domácich vedeckých konferencií (4)

AFK Postery zo zahraničných konferencií (2)

DAI Dizertačné a habilitačné práce (1)

Štatistika ohlasov (74):

[o1] Citácie v zahraničných publikáciách registrované v citačných indexoch (74)

20. 11. 2013