

Списък II

Научни публикации за участие в конкурса

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доц. д-р Милен Георгиев Богданов

За участие в конкурса за заемане на академичната длъжност професор по професионално направление 4.2. Химически науки /Органична химия – Физична органична химия/, обявен в ДВ бр. 91/14.11.2017 г.

I. Глави от книги

1. **M.G. Bogdanov***, **Ionic liquids as alternative solvents for extraction of natural products**, in: F. Chemat, M. Abert Vian (Eds.), *Alternative Solvents for Natural Products Extraction, Green Chemistry and Sustainable Technology*, Springer-Verlag, Berlin Heidelberg, **2014**, pp. 127–166, http://dx.doi.org/10.1007/978-3-662-43628-8_7. (цитати: 12)
2. **M.G. Bogdanov***, I. Svinyarov, **Extraction of natural phenolic compounds with ABS**, in: M.G. Freire (Ed.), *Ionic-liquid based aqueous biphasic systems*, Green Chemistry and Sustainable Technology, Springer-Verlag, Berlin Heidelberg, **2016**, pp. 161–181, DOI 10.1007/978-3-662-52875-4_8. (цитати: 1)

II. Публикации в реферирани научни списания

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4. Я. Митрев, И. Свияров, М. К.-Йотова, **М.Г. Богданов***, Реакцията между хомофтолов анхидрид и имини – 35 години по-късно. *Bulg. J. Chem.* 1 (**2012**) 29–41.
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8. **M.G. Bogdanov***, I. Svinyarov, Ionic liquid-supported solid–liquid extraction of bioactive alkaloids. II. Kinetics, modeling and mechanism of glaucine extraction from *Glaucium flavum* Cr. (Papaveraceae). *Sep. Purif. Technol.* 103 (**2013**) 279–288. ($IF^{2013} = 3.065$, цитати: 37)
9. M. Milovsky, I. Svinyarov, Y. Mitrev, Y. Evstatieva, D. Nikolova, M. Chochkova, **M.G. Bogdanov***, A Novel One-pot Synthesis and Preliminary Biological Activity Evaluation of cis-Restricted Polyhydroxy Stilbenes Incorporating Protocatechuic acid and Cinnamic Acid Fragments. *Eur. J. Med. Chem.* 66 (**2013**) 185–192. ($IF^{2013} = 3.432$, цитати: 17)

- 10.** I. Svinyarov, **M.G. Bogdanov***, One-Pot Synthesis and Radical Scavenging Activity of Novel Polyhydroxylated 3-Arylcoumarins. *Eur. J. Med. Chem.* 78 (2014) 198–206. ($IF^{2014} = 3.447$, цитати: 10)
- 11.** K. Tonova, I. Svinyarov, **M.G. Bogdanov***, Hydrophobic 3-alkyl-1-methylimidazolium saccharinates as extractants for l-lactic acid recovery. *Sep. Purif. Technol.* 125 (2014) 239–246. ($IF^{2014} = 3.091$, цитати: 16)
- 12.** M. Guncheva, K. Paunova, D. Yancheva, I. Svinyarov, **M.G. Bogdanov**, Effect of two series ionic liquids based on non-nutritive sweeteners on catalytic activity and stability of the industrially important lipases from *Candida rugosa* and *Rhizopus delemar*. *J. Molec. Catal. B* 117 (2015) 62–68. ($IF^{2015} = 2.189$, цитати: 9)
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- 16.** I. Svinyarov, **M.G. Bogdanov***, 3-(3,4-Dihydroxyphenyl)-8-hydroxy-2H-chromen-2-one. *Molbank*, (2015) M870, doi:10.3390/ ($SJR^{2015} = 0.13$, цитати: /)
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- 19.** S. Zhivkova, K. Tonova, I. Svinyarov, **M.G. Bogdanov**, Backward extraction of coumarins from ionic liquid-based mixtures by partitioning in aqueous biphasic systems. *Sci. works*, LXII (2015) 591–596.
- 20.** I. Svinyarov, R. Keremedchieva, **M.G. Bogdanov***, Ionic liquid -supported solid–liquid extraction of bioactive alkaloids. IV. New HPLC method for quantitative determination of galantamine in *Leucojum aestivum* L. (Amaryllidaceae). *Sep. Sci. Technol.* 51 (2016) 2691–2699. ($IF^{2016} = 1.106$, цитати: 3)
- 21.** K. Tonova, **M.G. Bogdanov**, Partitioning of α-amylase in aqueous biphasic system based on hydrophobic and polar ionic liquid: Enzyme extraction, stripping and purification. *Sep. Sci. Technol.* 52 (2017) 812–823. ($IF^{2016} = 1.106$, цитати: /)
- 22.** I. Svinyarov, **M.G. Bogdanov***, Ionic liquid-assisted micellar extraction for the quantitative determination of sesquiterpenic acids in *Valeriana officinalis* L. (Caprifoliaceae). *Sep. Sci. Technol.* (2017) in press. DOI: 10.1080/01496395.2017.1295995. ($IF^{2016} = 1.106$, цитати: 4)
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- 25.** **M.G. Bogdanov***, I. Svinyarov, Analysis of acetylcholinesterase inhibitors by extraction in choline saccharinate aqueous biphasic systems. *J. Chromatogr. A* (2018) in press. DOI:10.1016/j.chroma.2018.01.007. ($IF^{2016} = 3.981$, цитати:/)

III. Други

- 26.** **М.Г. Богданов**, *Йонни течности: синтез, физикохимични свойства и приложение в процеси на разделяне*, Хабилитационен труд, 2018 г.