# СПИСЪК ПУБЛИКАЦИИ

на гл. ас. д-р Ирена Любомирова Филипова

представени за участие в конкурс за академичната длъжност доцент
по професионално направление 4.2 Химически науки, научна специалност „Органична химия“, за нуждите на лаборатория “Органичен синтез и стереохимия“, обявен в Държавен Вестник бр. 10 от 05.02.2016 г.

1. S. Matile, N. Berova, K. Nakanishi, S. Novkova, I. Philipova, B. Blagoev, *J. Am. Chem. Soc*., **1995**, *17*, 7021-7022. Porfphyrins: Powerful chromophores for structural studies by exiton-coupled circular dichroism.

Impact Factor: **5.263** Цитати: 104

2. S. Novkova, I. Philipova, B. Blagoev, *Bulg. Chem. Commun*., **1996**, *28*, 338-343. The synthesis of some aminosteroids.

Impact Factor: **0** Цитати: 1

3. V. Dimitrov, I. Philipova, S. Simova, *Tetrahedron: Asymetry*, **1996**, *7*, 1493-1500. Synthesis and absolute configuration of new chiral epoxyalcohols by stereoselective epoxydation of allylic and homoallylic alcohols with (1R)-(+)-camphor skeleton.

Impact Factor: **2.499** (1997) Цитати: 6

4. I. Philipova, V. Dimitrov, S. Simova, *Tetrahedron: Asymetry*, **1999**, *10*, 913-921. (-)-Fenchone derived epoxy alcohols – preparation and absolute configuration.

Impact Factor: **2.647** Цитати: 4

5. I. Philipova, V. Dimitrov, S. Simova, *Tetrahedron: Asymetry*, **1999**, *10*, 1381-1391. Synthesis of new enantiopure aminodiols and their use as lidands for the addition of diethylzinc to benzaldehyde.

Impact Factor: **2.647** Цитати: 23

6. K. Kostova, M. Genov, I. Philipova, V. Dimitrov, *Tetrahedron: Asymetry*, **2000**, *11*, 3253-3256. Title: New bis-steroidal axially chiral diols as ligands for the asymmetric addition of diethylzinc to aldehydes.

Impact Factor: **2.797** Цитати: 37

7. S. M. Bakalova, A. G. Santos, I. Timcheva, J. Kaneti, I. L. Filipova, G. M. Dobrikov, V. D. Dimitrov, *Journal of Molecular Structure (Theochem)*, **2004**, *710*, 229-234. Electronic absorption and emission spectra and computational studies of some 2-aryl, 2-styryl, and 2-(4’-aryl)butadienyl quinazolin-4-ones.

Impact Factor: **1.007** Цитати: 22

8. I. Philipova, A. Linden, H. Heimgartner, *Helv. Chim. Acta*, **2005**, *88*, 1711-1733. Title: Application of the “Diredt Amide Cyclization” to peptides containing an ahthranilic acid residue.

Impact Factor: **1.650** Цитати: 6

9. I. Philipova, G. Dobrikov, K. Krumova, J. Kaneti, *J. Heterocyclic Chem.*, **2006**, 43, 1057-1063. Convenient synthesis of some 2-substituted 4(3*H*)-quinazolinone derivatives.

Impact Factor: **0.776** Цитати: 20

10. P. Angelova, K. Hinrichs; I. Philipova, K. Kostova; D. Tsankov, *J. Phys. Chem. C*, **2010**, *114*, 1253-1259, Monolayer orientation of ω-substituted amide-bridged alkanethiols on gold.

Impact Factor: **4.520** Цитати: 4

11. Georgi Stavrakov, Irena Philipova, Bojidarka Ivanova, and Vladimir Dimitrov, *Tetrahedron: Asymmetry*, **2010**, *21*, 1845-1854. Highly diastereoselective *ortho*-lithiation of chiral ferrocenecarboxamides.

Impact Factor: **2.484** Цитати: 7

12. Dimiter Tsankov, Irena Philipova, Kalina Kostova, Karsten Hinrichs, *Micromachines* **2011**, *2*, 306-318. Infrared ellipsometric study of hydrogen-bonded long-chain thiolates on gold: towards resolving structural details.

Impact Factor: **0** Цитати: 1

13. Irena Philipova, Georgi Stavrakov, Angel Chimov, Rositsa Nikolova, Boris Shivachev,Vladimir Dimitrov, *Tetrahedron: Asymmetry*, **2011**, *22*, 970. Synthesis of ferrocene-based amido-phosphine ligands via highly diastereoselective *ortho*-lithiation and their application in Pd-catalyzed asymmetric allylic alkylations.

Impact Factor: **2.652** Цитати: 8

14. Georgi Dobrikov, Irena Philipova, Rositsa Nikolova, Boris Shivachev, Angel Chimov and Vladimir Dimitrov, *Polyhedron*, **2012**, *45*, 126. Functionalized organolithium reagents in the synthesis of chiral ligands for catalytic enantioselective addition of diethylzinc to aldehydes.

Impact Factor: **1.813** Цитати: 3

15. Irena Philipova, Georgi Stavrakov and Vladimir Dimitrov, *Tetrahedron: asymmetry*, **2012**, *23*, 927. Camphane-based phosphino-carboxamide ligands as P,O-chelates in Pd-catalyzed enantioselective allylic alkylation.

Impact Factor: **2.115** Цитати: 5

16. Georgi Stavrakov , Violeta Valcheva, Irena Philipova, Irini Doytchinova, *Eur. J. Med. Chem.* **2013**, *70*, 372. Novel camphane-based anti-tuberculosis agents with nanomolar activity.

Impact Factor: **3.432** Цитати: 2

17. Irena Philipova, Georgi Stavrakov, Vladimir Dimitrov, *Tetrahedron: asymmetry*, **2013**, *24*, 1253. Camphane-based aminophosphine ligands for Pd-catalyzed asymmetric allylic alkylation.

Impact Factor: **2.165** Цитати: 3

18. G. Stavrakov, I. Philipova, V. Valcheva, *Pharmacia* **2013**, *60*, 17. Synthesis and antimycobacterial activity of novel mandelic acid derived diamides.

Impact Factor: **0** Цитати: 0

19. Georgi Stavrakov, Irena Philipova, Violeta Valcheva, Georgi Momekov, *Bioorg. Med. Chem. Lett* **2014**, *24*, 165. Synthesis and antimycobacterial activity of novel camphane-based agents.

Impact Factor: **2.420** Цитати: 8

20. G. Stavrakov, V. Valcheva, I. Philipova, I. Doytchinova, *J. Mol. Graph. Modell.* **2014**, *51*, 7-12. Design of novel camphane-based derivatives with antimycobacterial activity.

Impact Factor: **1.722** Цитати: 1

21. Irena Philipova, Georgi Stavrakov and Vladimir Dimitrov, *Bulg. Chem. Commun*. **2014**, *46, Special Issue A,* 21– 26. Phosphino-carboxamide hybrid ligands with a camphane scaffold for Pd-catalyzed asymmetric allylic alkylation.

Impact Factor: **0.201** Цитати: 0

22. G. Stavrakov, I. Philipova, V. Valcheva, Georgi Momekov, *Bulg. Chem. Commun*. **2014**, *46, Special Issue A,* 27– 32. Synthesis and antimycobacterial activity of bornylamine derived amido-alcohols.

Impact Factor: **0.201** Цитати: 0

23. Irena Philipova, Georgi Stavrakov, Nikolay Vassilev, Rositsa Nikolova, Boris Shivachev and Vladimir Dimitrov, *J. Organomet. Chem.*, **2015**, *778*, 10-20. Cytisine as a scaffold for ortho-diphenylphosphinobenzenecarboxamide ligands for Pd-catalyzed asymmetric allylic alkylation.

Impact Factor: **2.173** Цитати: 0

24. Mariyana Atanasova, Georgi Stavrakov, Irena Philipova, Dimitrina Zheleva, Nikola Yordanov, Irini Doytchinova, *Bioorg. Med. Chem.*, **2015**, *23*, 5382-5389. Galantamine derivatives with indole moiety: Docking, design, synthesis and acetylcholinesterase inhibitory activity.

Impact Factor: **2.793** Цитати: 1

25. Georgi Stavrakov, Violeta Valcheva, Yulian Voynikov, Irena Philipova, Mariyana Atanasova, Spiro Konstantinov, Plamen Peikov, Irini Doytchinova, *Chem. Biol. Drug. Des.*, **2016**, *87*, 335–341. Design, synthesis and antimycobacterial activity of novel theophylline-7-acetic acid derivatives with amino acid moieties.

Impact Factor: **2.485** Цитати: 0

26. Georgi Stavrakov, Irena Philipova, Violeta Valcheva, Georgi Momekov, *Bulg. Chem. Commun*., **2016**, *48*, 43-49. Isobornylamine and bornylamine derived amides with antimycobacterial activity.

Impact Factor: **0.201** Цитати: 0

Обобщение:

Общ брой статии: **26**

**А.** В международни списания с импакт фактор: **20**

**Б.** В български списания с импакт фактор: **3**

**В.** В международни списания без импакт фактор: **1**

**Г**. В български списания без импакт фактор: **2**

Общ брой статии с импакт фактор: **23**

Общ брой цитати (без автоцитати): **265**

Общ импакт фактор: **50.811**

В **10** от представените публикации кандидатът е първи автор, а в **1** от работите е автор за кореспонденция.

София, 10.03.2016 год.