

**Списък на научните публикации
на д-р Георги Добриков
главен асистент към ОСС при ИОХЦФ - БАН**

- **Тип на публикациите:** Статии в научни списания, сборници на научни форуми и тематични сборници
- **Общ брой публикации:** 26; от тях - 19 публикации са реферирани в Scopus и ISI; 15 публикации са в издания с импакт фактор (отбелязаните импакт фактори ISI IF важат за годината на публикуване на съответната статия); 2 други публикации са в списания, придобили импакт фактор в годините след публикуването им, поради което не е отбелязван техния импакт фактор
- **Години на публикуване:** 2000 – 2015

1. Панев, Т., Николова, Л., Цонева, М., Вардев, П., Драгова, Б., Добриков, Г. Оценка на замърсяването на атмосферния въздух с органични вещества в населени места в близост до „Лукойл-Нефтохим“ – Бургас. *Хигиена и здравеопазване*, **2000**, 2, 25–30. ISSN:0018-8247.
2. Христова-Багдасарян, В., Гълъбова, В., Добриков, Г. Минералните масла – компонент на химичния фактор на работната среда в отоплителните централи, *Хигиена и здравеопазване*, **2001**, 1, 41-44. ISSN:0018-8247.
3. Гълъбова, В., Добриков, Г., Христова-Багдасарян, В. Методика за определяне на алифатни амини във въздух на работна среда. *Сборник методи за хигиенни изследвания, Национален център по хигиена, медицинска екология и хранене*, **2001**, 3, 38–41. ISBN:954-90743-4-X.
4. Dimitrov, V., Dobrikov, G., Genov, M. Chiral β - and γ -aminoalcohols derived from (+)-camphor and (-)-fenchone as catalysts for the enantioselective addition of diethylzinc to benzaldehyde. *Tetrahedron Asymmetry*, **2001**, 12, 1323-1329. ISSN:09574166, DOI:10.1016/S0957-4166(01)00221-X, ISI IF:2.265.
5. Bakalova, S.M., Santos, A. G., Timcheva, I., Kaneti, J., Filipova, I.L., Dobrikov, G.M., Dimitrov, V.D. Electronic absorption and emission spectra and computational studies of some 2-aryl, 2-styryl, and 2-(4'-aryl)butadienyl quinazolin-4-one. *Journal of Molecular Structure: THEOCHEM*, **2004**, 710, 229-234. ISSN:01661280, DOI:10.1016/j.theochem.2004.07.037, ISI IF: 1.007.
6. Philipova, I., Dobrikov, G., Krumova, K., Kaneti, J. Convenient synthesis of some 2-substituted 4(3H)-quinazolinone derivatives. *Journal of Heterocyclic Chemistry*, **2006**, 43, 1057-1063. ISSN:0022152X, DOI:10.1002/jhet.5570430436, ISI IF:0.156.
7. Dobrikov, G., Simova, S., Dimitrov, V. Preparation of chiral ferrocene through application of chiral organolithium compounds - determination of the configuration by NMR spectroscopy. *Comptes rendus de l'Académie bulgare des Sciences*, **2006**, 59, 737–742. ISSN:2367-5535.
8. Kamenova-Nacheva, M., Dobrikov, G., Dimitrov, V. Preparation of β -amino-alcohol analogs by the addition of N-, O- and S-containing substituents to ferrocenylcamphorsulfonamide - Ligands for enantioselective addition of diethylzinc to benzaldehyde. *Arkivoc*, **2009**, 12, 141–152. DOI:10.3998/ark.5550190.0010.c12, ISI IF:1.090.
9. Giorgetti, E., Dobrikov, G., Ivanova, D., Timcheva, I., Rosso, T.D., Margheri, G., Ferrari, M., Chiappini, A. Noble metal nanoparticles functionalized with novel organic luminophores. *ICTON 2009, 11th International Conference on Transparent Optical Networks*, **2009**, 5185235. ISBN:978-142444826-5, DOI:10.1109/ICTON.2009.5185235.
10. Petkova, I., Dobrikov, G., Banerji, N., Duvanel, G., Perez, R., Dimitrov, V., Nikolov, P., Vauthey, E. Tuning the excited-state dynamics of GFP-inspired imidazolone derivatives. *Journal of Physical Chemistry A*, **2010**, 114, 10-20. ISSN:10895639, DOI:10.1021/jp903900b, ISI IF:2.946.
11. Angelova, P., Kuchukova, N., Dobrikov, G., Petkova, I., Timcheva, I., Kostova, K., Vauthey, E., Giorgetti, E. Design, synthesis and photophysical study of fluorophore modified noble metal nanoparticles. *ICTON 2010, 12th International Conference on Transparent Optical Networks*, **2010**, 5549256. ISBN:978-142447797-5, DOI:10.1109/ICTON.2010.
12. Aleksandrova, M.P., Dobrikov, G.H., Andreev, S.K., Dobrikov, G.M., Rassovska, M.M. Electrical Properties Characterization of Thick Film Organic Electroluminescent Structures. *Annual Journal of Electronics*, **2011**, 5, 183–186. ISSN:1313-1842.
13. Dobrikov, G.H., Dobrikov, G.M., Aleksandrova, M. Synthesis and electronic spectra of new low-molecular weight compounds with possible application in electroluminescent layers. *Central European Journal of Chemistry*, **2011**, 9, 1126–1132. ISSN:18951066, DOI:10.2478/s11532-011-0098-3, ISI IF:1.073.
14. Dobrikov, G.H., Aleksandrova, M.P., Andreev, S.K., Dobrikov, G.M. Preparation and Characterization of Flexible Thick Film Electroluminescent Structures. *Annual Journal of Electronics*, **2011**, 5, 187–190. ISSN:1313-1842.

15. Angelova, P., Kuchukova, N., Dobrikov, G.M., Timtcheva, I., Kostova, K., Petkova, I., Vauthey, E. Fluorescent monolayer protected gold nanoparticles - Preparation and structure elucidation. *Journal of Molecular Structure*, **2011**, *993*, 185-192. ISSN:00222860, DOI:10.1016/j.molstruc.2010.12.019, ISI IF:1.634.
16. Dobrikov, G.M., Philipova, I., Nikolova, R., Shivachev, B., Chimov, A., Dimitrov, V. Functionalized organolithium reagents in the synthesis of chiral ligands for catalytic enantioselective addition of diethylzinc to aldehydes. *Polyhedron*, **2012**, *45*, 126–143. ISSN:02775387, DOI:10.1016/j.poly.2012.06.090, ISI IF:2.057.
17. Dobrikov, G.M., Valcheva, V., Stoilova-Disheva, M., Momekov, G., Tzvetkova, P., Chimov, A., Dimitrov, V. Synthesis and in vitro antimycobacterial activity of compounds derived from (*R*)- and (*S*)-2-amino-1-butanol - The crucial role of the configuration. *European Journal of Medicinal Chemistry*, **2012**, *48*, 45-56. ISSN:02235234, DOI:10.1016/j.ejmech.2011.11.035, ISI IF:3.346.
18. Stevanovic, D., Pejovic, A., Damljanovic, I.S., Vukicevic, M.D., Dobrikov, G., Dimitrov, V., Denic, M.S., Radulovic, N.S., Vukicevic, R.D. Electrochemical phenylselenoetherification as a key step in the synthesis of (\pm)-curcumene ether. *Helvetica Chimica Acta*, **2013**, *96*, 1103–1110. ISSN:0018019X, DOI:10.1002/hlca.201200610, ISI IF:1.383.
19. Zoppi, A., Trigari, S., Giorgetti, E., Muniz-Miranda, M., Alloisio, M., Demartini, A., Dellepiane, G., Thea, S., Dobrikov, G., Timtcheva, I. Functionalized Au/Ag nanocages as a novel fluorescence and SERS dual probe for sensing. *Journal of Colloid and Interface Science*, **2013**, *407*, 89–94. ISSN:00219797, DOI:10.1016/j.jcis.2013.06.012, ISI IF:3.172.
20. Stavrakov, G., Valcheva, V., Dobrikov, G. Antimycobacterial activity of novel camphane based isoindoline. *Pharmacia*, **2013**, *60*, 13–16. ISSN:04280296, SJR:0.101.
21. Dobrikov, G., Aleksandrova, M., Dobrikov, G.M. Thermally Activated Current for Defect Analysis in Electroluminescent Devices Based on Newly Synthesized Low-Molecular Weight Compound. *Nanoscience & Nanotechnology*, **2013**, *13*, 194–196. ISSN:1313-8995.
22. Dobrikov, G.M., Valcheva, V., Nikolova, Y., Ugrinova, I., Pasheva, E., Dimitrov, V. Efficient synthesis of new (*R*)-2-amino-1-butanol derived ureas, thioureas and acylthioureas and in vitro evaluation of their antimycobacterial activity. *European Journal of Medicinal Chemistry*, **2013**, *63*, 468–473. ISSN:02235234, DOI:10.1016/j.ejmech.2013.02.034, ISI IF:3.499.
23. Siderov, V., Dobrikov, G.H., Zhivkov, I., Dobrikov, G.M., Georgiev, Y., Yordanov, R., Honova, J., Weiter, M. Photoelectrical characterization of a new low molecular weight compound. *Journal of Physics: Conference Series*, **2014**, *558*, 012064. DOI:10.1088/1742-6596/558/1/012064.
24. Slavchev, I., Dobrikov, G.M., Valcheva, V., Ugrinova, I., Pasheva, E., Dimitrov, V. Antimycobacterial activity generated by the amide coupling of (-)-fenchone derived aminoalcohol with cinnamic acids and analogues. *Bioorganic and Medicinal Chemistry Letters*, **2014**, *24*, 5030–5033. ISSN:0960894X, DOI:10.1016/j.bmcl.2014.09.021, ISI IF:2.42.
25. Dobrikov, G.M., Valcheva, V., Nikolova, Y., Ugrinova, I., Pasheva, E., Dimitrov, V. Enantiopure antituberculosis candidates synthesized from (-)-fenchone. *European Journal of Medicinal Chemistry*, **2014**, *77*, 243–247. ISSN:02235234, DOI:10.1016/j.ejmech.2014.03.025, ISI IF:3.781.
26. Hristova, S., Dobrikov, G., Kamounah, F.S., Kawauchi, S., Hansen, P.E., Deneva, V., Nedeltcheva, D., Antonov, L. 10-hydroxybenzo[h]quinoline: Switching between single and double-well proton transfer through structural modifications. *RSC Advances*, **2015**, *5*, 102495–102507. ISSN:2046-2069, DOI:10.1039/C5RA20057A, ISI IF:3.84.