

8. Списък с публикациите, участващи в конкурса като еквивалентен брой статии за хабилитационен труд по категория В (неповтарящи представените по други конкурси за заемане на академични длъжности и придобиване на научни степени)

(статии са дадени в реда на тяхното излизане, а с допълнителен номер са отбелязани цитираните в хабилитационния труд)

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2. [6B] **S. Stoyanov**, J. Tsenov, D. Yancheva, „IR spectra and structure of 2-{5,5-dimethyl-3-[(2-phenyl)vinyl]cyclohex-2-enylidene}-malononitrile and its potassium cyanide and sodium methoxide carbanionic adducts: Experimental and B3LYP theoretical studies“, *J. Mol. Struct.*, 1009, 42 (2012). Q3
3. [5B] **S. Stoyanov**, J. Tsenov, „IR spectra and structure of 1,1,3,3-tetracyanopropane and its carbanions: experimental and quantum chemical study“, *Bulg. Chem. Commun.*, 46, Special Issue-A, 170, (2014). Q4
4. [2B] **S. Stoyanov**, D. Yancheva, B. Stamboliyska, „DFT study on IR spectral and structural changes caused by the conversion of substituted benzophenones into ketyl radicals“; *Comp. Theor. Chem.* 1046, 57 (2014). Q2
5. [9B] **S. Stoyanov**, D. Yancheva, A. Kosateva, „IR study on the electrochemical reduction of nimesulide“, *Bulg. Chem. Commun.*, 49, Special Issue-D, 181. Q4 (2017). Q4
6. [7B] **S. Stoyanov**, E. Velcheva, B. Stamboliyska, „IR spectral and structural changes caused by the conversion of salophen into oxyanion and dianion“, *Bulg. Chem. Commun.*, 50, Special Issue-J, 147, (2018). Q4
7. [8B] N. Anastassova, **S. Stoyanov**, A. Mavrova, D. Yancheva, „Spectroscopic and in silico study on the conversion of N,N'-disubstituted hydrazone derivatives of 5-nitrobenzimidazole-2-thione into anion and radical anion products: Implications in hepatotoxicity“, *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 234, 118279, (2020). Q1
8. [1B] **S. Stoyanov**, D. Yancheva, E. Velcheva, B. Stamboliyska, „Anion and radical anion products of flutamide studied by IR spectra and density functional calculations“; *J. Mol. Struct.* 1271, 133927, (2023). Q2
9. [3B] **S. Stoyanov**, K. Anichina, B. Ivanova, S. Georgieva, N. Todorov, B. Stamboliyska, D. Yancheva. „Conversion of 1-alkylated 5(6)-nitro-1H-benzimidazoles into Radical Anions and Characterization of Their Bioreductive Potential“; *J. Electrochem. Soc.*, 172(6), 065501 (2025). Q1