

СПИСЪК НА НАУЧНИТЕ ТРУДОВЕ

на проф. дхн инж. Владимир Божинов Божинов

**за участие в Конкурс за член-кореспонденти на БАН в Направление
„Химически науки“ към отделение за „Природо-математически науки“**

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No	Публикация	Импакт фактор**	WoS
1*	V. Bojinov, N. Georgiev. Molecular sensors and molecular logic gates (Review) . <i>J. Univ. Chem. Technol. Metal. (Sofia)</i> 46 (1), 3-26 (2011). https://dl.uctm.edu/journal/node/j2011-1/1_Vlado_Bojinov.pdf	Scopus	Q3†
2*	V. Bojinov, D. Simeonov, N. Georgiev. A novel blue fluorescent 4-(1,2,2,6,6-pentamethylpiperidin-4-yloxy)-1,8-naphthalimide pH chemosensor based on photoinduced electron transfer . <i>Dyes Pigm.</i> 76 (1), 41-46 (2008). https://doi.org/10.1016/j.dyepig.2006.08.006	4,613	Q1
3*	V. Bojinov, T. Konstantinova. Fluorescent 4-(2,2,6,6-tetramethylpiperidin-4-ylamino)-1,8-naphthalimide pH chemosensor based on photoinduced electron transfer . <i>Sensors Actuators B: Chemical</i> 123 (2), 869-876 (2007). https://doi.org/10.1016/j.snb.2006.10.035	7,100	Q1
4*	D. Staneva, I. Grabchev, J.-P. Soumillion, V. Bojinov. A new fluorosensor based on bis-1,8-naphthalimide for metal cations and protons . <i>J. Photochem. Photobiol. A: Chem.</i> 189 (2), 192-197 (2007). https://doi.org/10.1016/j.jphotochem.2007.01.028	3,306	Q2
5*	N. Marinova, N. Georgiev, V. Bojinov. Facile synthesis, sensor activity and logic behaviour of 4-aryloxy substituted 1,8-naphthalimide . <i>J. Photochem. Photobiol. A: Chem.</i> 254 , 54-61 (2013). http://dx.doi.org/10.1016/j.jphotochem.2013.01.008	3,306	Q2
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8*	N. Georgiev, V. Bojinov, P. Nikolov. The design, synthesis and photophysical properties of two novel 1,8-naphthalimide fluorescent pH sensors based on PET and ICT . <i>Dyes Pigm.</i> 88 (3), 350-357 (2011). https://doi.org/10.1016/j.dyepig.2010.08.004	4,613	Q1
9*	S. Dimov, N. Georgiev, A. Asiri, V. Bojinov. Synthesis and sensor activity of a PET-based 1,8-naphthalimide probe for Zn²⁺ and pH determination . <i>J. Fluoresc.</i> 24 (6), 1621-1628 (2014). https://doi.org/10.1007/s10895-014-1448-2	2,093	Q3
10*	I. Grabchev, D. Staneva, V. Bojinov, R. Betcheva, V. Gregoriou. Spectral investigation of coordination of cuprum cations and protons at PAMAM dendrimer peripherally modified with 1,8-naphthalimide units . <i>Spectrochim. Acta A: Mol. Biomol. Spectrosc.</i> 70 (3), 532-536 (2008). https://doi.org/10.1016/j.saa.2007.07.057	3,232	Q1

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12*	N. Marinova, N. Georgiev, V. Bojinov. Synthesis and photophysical properties of novel 1,8-naphthalimide light-harvesting antennae based on benzyl aryl ether architecture. <i>J. Lumin.</i> 204 , 253-260 (2018). https://doi.org/10.1016/j.jlumin.2018.08.011	3,280	Q1
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15*	N. Georgiev, M. Dimitrova, A. Mavrova, V. Bojinov. Synthesis, fluorescence-sensing and molecular logic of two water-soluble 1,8-naphthalimides. <i>Spectrochim. Acta A: Mol. Biomol. Spectrosc.</i> 183 , 7-16 (2017). http://dx.doi.org/10.1016/j.saa.2017.04.016	3,232	Q1
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18*	A. Said, N. Georgiev, V. Bojinov. A fluorescent bichromophoric “off-on-off” pH probe as a molecular logic device (half-subtractor and digital comparator) operating by controlled PET and ICT processes. <i>Dyes Pigm.</i> 162 , 377-384 (2019). https://doi.org/10.1016/j.dyepig.2018.10.030	4,613	Q1
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28	A. Said , N. Georgiev, S. Hamdan, V. Bojinov . A chemosensing molecular lab for various analytes and its ability to execute a molecular logical digital comparator. <i>J. Fluoresc.</i> 29 (6), 1431-1443 (2019). https://doi.org/10.1007/s10895-019-02464-3	2,093	Q3
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43*	V. Bojinov, I. Panova, D. Simeonov. Design and synthesis of polymerizable, yellow-green emitting 1,8-naphthalimides containing built-in s-triazine UV absorber and hindered amine light stabilizer fragments. <i>Dyes Pigm.</i> 78 (2), 101-110 (2008). https://doi.org/10.1016/j.dyepig.2007.10.010	4,613	Q1
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47*	V. Bojinov, N. Georgiev, P. Bosch. Design and synthesis of highly photostable yellow-green emitting 1,8-naphthalimides as fluorescent sensors for metal cations and protons. <i>J. Fluoresc.</i> 19 (1), 127-139 (2009). https://doi.org/10.1007/s10895-008-0394-2	2,093	Q3
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52*	N. Georgiev, V. Bojinov, N. Marinova. Novel PAMAM light-harvesting antennae based on 1,8-naphthalimide: Synthesis, energy transfer, photophysical and pH sensing properties. <i>Sensors Actuators B: Chemical</i> 150 (2), 655-666 (2010). https://doi.org/10.1016/j.snb.2010.08.023	<u>7,100</u>	Q1
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57*	V. Bojinov, A. Venkova, N. Georgiev. Synthesis and energy-transfer properties of fluorescence sensing bichromophoric system based on Rhodamine 6G and 1,8-naphthalimide. <i>Sensors Actuators B: Chemical</i> 143 (1), 42-49 (2009). https://doi.org/10.1016/j.snb.2009.09.012	<u>7,100</u>	Q1
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61*	N. Georgiev, A. Asiri, A. Qusti, K. Alamry, V. Bojinov. A pH sensitive and selective ratiometric PAMAM wavelength-shifting bichromophoric system based on PET, FRET and ICT. <i>Dyes Pigm.</i> 102 , 35-45 (2014). http://dx.doi.org/10.1016/j.dyepig.2013.10.007	<u>4,613</u>	Q1
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