

## **СПИСЪК НА НАУЧНИТЕ ТРУДОВЕ**

на проф. дхн инж. Владимир Божинов Божинов

ResearcherID: A-8810-2013 / Scopus Author ID: 7004077073 / <https://orcid.org/0000-0003-3117-8525>

No	Публикация	Импакт фактор**	WoS
1	А. Драганов, Л. Желязкова, <u>В. Божинов</u> , Б. Георгиев. <b>Върху синтеза на два хромогена, притежаващи индициращи свойства спрямо V, G и H агенти – съобщение I, IV Конгрес по социална хигиена и организация на здравеопазването</b> , Благоевград, Октомври 1986. (Докладът е изнесен и приет на закрито заседание на секцията по Санитарно-химична защита).	-	
2	А. Драганов, Л. Желязкова, <u>В. Божинов</u> , Б. Георгиев. <b>Върху синтеза на два хромогена, притежаващи индициращи свойства спрямо V, G и H агенти – съобщение II, IV Конгрес по социална хигиена и организация на здравеопазването</b> , Благоевград, Октомври 1986. (Докладът е изнесен и приет на закрито заседание на секцията по Санитарно-химична защита).	-	
3	Л. Желязкова, А. Драганов, Б. Георгиев, <u>В. Божинов</u> . <b>Формулиране на смес за V, G и H агенти и определяне на границите на чувствителност на реакциите, IV Конгрес по социална хигиена и организация на здравеопазването</b> , Благоевград, Октомври 1986. (Докладът е изнесен и приет на закрито заседание на секцията по Санитарно-химична защита).	-	
4	A. Draganov, <u>V. Bozhinov</u> . <b>Phase transfer catalysis: Preparation of sulphonyl- and acylazides</b> . <i>Compt. Rend. Acad. Bulg. Sci.</i> <b>40</b> (8), 61-63 (1987).	<b><u>0,343</u></b>	<b>Q4</b>
5*	<u>V. Bojinov</u> , <u>A. Bogdanova</u> . <b>Synthesis of new flame retardable sulphonimides under phase transfer catalysis conditions</b> . <i>Acta Chim. Hung. — Models in Chemistry</i> <b>129</b> (3-4), 357-363 (1992). <a href="https://jglobal.jst.go.jp/en/detail?JGLOBAL_ID=200902052779107630">https://jglobal.jst.go.jp/en/detail?JGLOBAL_ID=200902052779107630</a>	<b><u>WoS</u></b>	
6*	T. Konstantinova, <u>V. Bojinov</u> . <b>A new method for the synthesis of allyloxy 1,3,5-triazine derivatives</b> , in: <i>Chemical Industry and Environment, Vol. III</i> , eds. N. Pelliser and M. Rigola, Arts Grafiques, SC, Girona, Spain (1993), pp. 293-299.	-	
7*	<u>V. Bojinov</u> , R. Batchvarova. <b>Synthesis of new N-arylsulfonylindoles and In Vitro assay for fungicidal activity</b> . <i>Biotechnol. Biotechnol. Eq.</i> <b>10</b> (1), 27-31 (1996). <a href="https://doi.org/10.1080/13102818.1996.10818876">https://doi.org/10.1080/13102818.1996.10818876</a>	<b><u>1,186</u></b>	<b>Q4</b>
8*	<u>V. Bojinov</u> , T. Konstantinova. <b>A new method for the synthesis of 3-alkoxybenzanthrones as luminophore dyes for polymers</b> . <i>Dyes Pigm.</i> <b>32</b> (3), 151-157 (1996). <a href="https://doi.org/10.1016/0143-7208(96)00027-7">https://doi.org/10.1016/0143-7208(96)00027-7</a>	<b><u>4,613</u></b>	<b>Q1</b>
9*	T. Konstantinova, <u>V. Bojinov</u> . <b>Synthesis of some unsaturated 9-phenylxanthene dyes</b> . <i>Dyes Pigm.</i> <b>39</b> (2), 69-75 (1998). <a href="https://doi.org/10.1016/S0143-7208(97)00071-5">https://doi.org/10.1016/S0143-7208(97)00071-5</a>	<b><u>4,613</u></b>	<b>Q1</b>
10*	<u>V. Bojinov</u> , T. Konstantinova, Hr. Konstantinov. <b>Synthesis and application of triazinyl-2,2,6,6-tetramethylpiperidine derivatives as stabilizers for polymeric materials</b> . <i>Angew. Makromol. Chem./ Macromol. Mater. Eng.</i> <b>260</b> , 17-20 (1998). <a href="https://doi.org/10.1002/(SICI)1522-9505(19981101)260:1&lt;17::AID-APMC17&gt;3.0.CO;2-A">https://doi.org/10.1002/(SICI)1522-9505(19981101)260:1&lt;17::AID-APMC17&gt;3.0.CO;2-A</a>	<b><u>3,853</u></b>	<b>Q1</b>
11*	I. Grabchev, <u>V. Bojinov</u> , I. Moneva. <b>Functional properties of azomethine substituted benzanthrone dyes for use in nematic liquid crystals</b> . <i>J. Molec. Str.</i> <b>471</b> (1-3), 19-25 (1998). <a href="https://doi.org/10.1016/S0022-2860(98)00400-1">https://doi.org/10.1016/S0022-2860(98)00400-1</a>	<b><u>2,463</u></b>	<b>Q3</b>
12*	<u>V. Bojinov</u> , T. Konstantinova. <b>On the possibility of "one-step" colouration and stabilization of polystyrene</b> . <i>Polym. Degrad. Stab.</i> <b>68</b> (2), 295-298 (2000). <a href="https://doi.org/10.1016/S0141-3910(00)00014-8">https://doi.org/10.1016/S0141-3910(00)00014-8</a>	<b><u>4,032</u></b>	<b>Q1</b>

13*	I. Grabchev, I. Moneva, <u>V. Bojinov</u> , S. Guittonneau. <b>Synthesis and properties of fluorescent 1,8-naphthalimide dyes for application in liquid crystal displays.</b> <i>J. Mater.Chem.</i> <b>10</b> , 1291-1296 (2000). <a href="https://doi.org/10.1039/A909153J">https://doi.org/10.1039/A909153J</a>	<u>6,626</u>	Q1
14*	I. Grabchev, <u>V. Bojinov</u> . <b>Synthesis and characterisation of fluorescent polyacrylonitrile copolymers with 1,8-naphthalimide side chains.</b> <i>Polym. Degrad. Stab.</i> <b>70</b> (2), 147-153 (2000). <a href="https://doi.org/10.1016/S0141-3910(00)00100-2">https://doi.org/10.1016/S0141-3910(00)00100-2</a>	<u>4,032</u>	Q1
15*	I. Grabchev, <u>V. Bojinov</u> . <b>Photoisomerization of triazine-stilbene fluorescent brighteners in solution and in their copolymers with styrene.</b> <i>Z. Naturforsch.</i> <b>55a</b> (9-10), 833-836 (2000). <a href="https://doi.org/10.1515/zna-2000-9-1014">https://doi.org/10.1515/zna-2000-9-1014</a>	<u>1,355</u>	Q3
16*	<u>V. Bojinov</u> . <b>A new method for synthesis of phenylcarboxylates.</b> <i>Compt. Rend. Acad. Bulg. Sci.</i> <b>54</b> (3), 47-50 (2001).	<u>0,343</u>	Q4
17*	I. Grabchev, <u>V. Bojinov</u> . <b>Photophysical and photochemical properties of blue fluorescent polystyrene.</b> <i>J. Photochem. Photobiol. A: Chem.</i> <b>139</b> (1-2), 157-160 (2001). <a href="https://doi.org/10.1016/S1010-6030(00)00418-4">https://doi.org/10.1016/S1010-6030(00)00418-4</a>	<u>3,306</u>	Q2
18*	I. Grabchev, <u>V. Bojinov</u> , I. Moneva. <b>The synthesis and application of fluorescent dyes based on 3-aminobenzanthrone.</b> <i>Dyes Pigm.</i> <b>48</b> (2), 143-150 (2001). <a href="https://doi.org/10.1016/S0143-7208(00)00098-X">https://doi.org/10.1016/S0143-7208(00)00098-X</a>	<u>4,613</u>	Q1
19*	I. Grabchev, <u>V. Bojinov</u> , R. Becheva. <b>Spectrophotometric investigation of the copolymerization of styrene or methylmetacrylate with 1,8-naphthalimide dyes.</b> <i>J. Appl. Polym. Sci.</i> <b>81</b> (10), 2463-2470 (2001). <a href="https://doi.org/10.1002/app.1688">https://doi.org/10.1002/app.1688</a>	<u>2,520</u>	Q2
20*	I. Grabchev, Ch. Petkov, <u>V. Bojinov</u> . <b>Synthesis and absorption properties of some new bis-1,8-naphthalimides.</b> <i>Dyes Pigm.</i> <b>48</b> (3), 239-244 (2001). <a href="https://doi.org/10.1016/S0143-7208(00)00109-1">https://doi.org/10.1016/S0143-7208(00)00109-1</a>	<u>4,613</u>	Q1
21*	I. Grabchev, <u>V. Bojinov</u> , C. Petkov. <b>Synthesis and photophysical properties of polymerizable 1,8-naphthalimide dyes and their copolymers with styrene.</b> <i>Dyes Pigm.</i> <b>51</b> (1), 1-8 (2001). <a href="https://doi.org/10.1016/S0143-7208(01)00041-9">https://doi.org/10.1016/S0143-7208(01)00041-9</a>	<u>4,613</u>	Q1
22*	<u>V. Bojinov</u> , I. Grabchev. <b>Synthesis and application of new combined 2,2,6,6-tetramethylpiperidine-2-hydroxybenzophenone 1,3,5-triazine derivatives as photostabilizers for polymer materials.</b> <i>J. Photochem. Photobiol. A: Chem.</i> <b>146</b> (3), 199-205 (2002). <a href="https://doi.org/10.1016/S1010-6030(01)00496-8">https://doi.org/10.1016/S1010-6030(01)00496-8</a>	<u>3,306</u>	Q2
23*	<u>V. Bojinov</u> , I. Grabchev. <b>A new method for the synthesis of 4-allyloxy-1,8-naphthalimide derivatives for use as fluorescent brighteners.</b> <i>Dyes Pigm.</i> <b>51</b> (1), 57-61 (2001). <a href="https://doi.org/10.1016/S0143-7208(01)00054-7">https://doi.org/10.1016/S0143-7208(01)00054-7</a>	<u>4,613</u>	Q1
24*	<u>V. Bojinov</u> , I. Grabchev. <b>Synthesis of new combined 2,2,6,6-tetramethylpiperidine-2-hydroxyphenylbenzotriazole 1,3,5-triazine derivatives as stabilizers for polymers.</b> <i>Polym. Degrad. Stab.</i> <b>74</b> (3), 543-550 (2001). <a href="https://doi.org/10.1016/S0141-3910(01)00191-4">https://doi.org/10.1016/S0141-3910(01)00191-4</a>	<u>4,032</u>	Q1
25*	M. M. De Souza, R. Correa, I. Grabchev, <u>V. Bojinov</u> , V. Filho. <b>4-Nitro-1,8-naphthalimides exhibit antinociceptive properties.</b> <i>Die Pharmazie</i> <b>57</b> (6), 430-431 (2002). <a href="https://publikationsserver.tu-braunschweig.de/receive/dbbs_mods_00066105">https://publikationsserver.tu-braunschweig.de/receive/dbbs_mods_00066105</a>	<u>1,198</u>	Q4
26*	<u>V. Bojinov</u> , I. Grabchev. <b>Synthesis and properties of new adducts of 2,2,6,6-tetramethylpiperidine and 2-hydroxyphenylbenzotriazole as polymer photostabilizers.</b> <i>J. Photochem. Photobiol. A: Chem.</i> <b>150</b> (1-3), 223-231 (2002). <a href="https://doi.org/10.1016/S1010-6030(02)00099-0">https://doi.org/10.1016/S1010-6030(02)00099-0</a>	<u>3,306</u>	Q2
27*	<u>V. Bojinov</u> . <b>Synthesis and properties of adducts of a hindered amine and 2-hydroxyphenylbenzotriazole as novel polymer stabilizers.</b> <i>Photochem. Photobiol. Sci.</i> <b>1</b> (5), 340-346 (2002). <a href="https://doi.org/10.1039/B202363F">https://doi.org/10.1039/B202363F</a>	<u>2,831</u>	Q2
28*	<u>V. Bojinov</u> , T. Konstantinova. <b>Synthesis of polymerizable 1,8-naphthalimide dyes containing hindered amine fragment.</b> <i>Dyes Pigm.</i> <b>54</b> (3), 239-245 (2002). <a href="https://doi.org/10.1016/S0143-7208(02)00047-5">https://doi.org/10.1016/S0143-7208(02)00047-5</a>	<u>4,613</u>	Q1

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31*	I. Grabchev, <u>V. Bojinov</u> , Ch. Petkov. <b>Infrared absorption studies of some new 1,8-naphthalimides.</b> <i>Chem. Heterocycl. Comp.</i> <b>39</b> (2), 179-183 (2003) – <i>Химия Гетероциклических Соединений</i> <b>428</b> (2), 207-211 (2003). <a href="https://doi.org/10.1023/A:1023760106439">https://doi.org/10.1023/A:1023760106439</a>	<u>0,463</u>	Q4
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36*	I. Grabchev, J.-M. Chovelon, <u>V. Bojinov</u> , G. Ivanova. <b>Poly(amidoamine) dendrimers peripherally modified with 4-ethylamino-1,8-naphthalimide. Synthesis and photophysical properties.</b> <i>Tetrahedron</i> <b>59</b> (48), 9591-9598 (2003). <a href="https://doi.org/10.1016/j.tet.2003.10.006">https://doi.org/10.1016/j.tet.2003.10.006</a>	<u>2,233</u>	Q2
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38*	I. Grabchev, C. Petkov, <u>V. Bojinov</u> . <b>Infrared spectral characterization of poly(amidoamine) dendrimers peripherally modified with 1,8-naphthalimides.</b> <i>Dyes Pigm.</i> <b>62</b> (3), 229-234 (2004). <a href="https://doi.org/10.1016/j.dyepig.2003.12.004">https://doi.org/10.1016/j.dyepig.2003.12.004</a>	<u>4,613</u>	Q1
39*	<u>V. Bojinov</u> . <b>Novel adducts of a hindered amine and a blue emitting fluorophore for “one-step” fluorescent brightening and stabilization of polymer materials.</b> <i>J. Photochem. Photobiol. A: Chem.</i> <b>162</b> (1), 207-212 (2004). <a href="https://doi.org/10.1016/S1010-6030(03)00354-X">https://doi.org/10.1016/S1010-6030(03)00354-X</a>	<u>3,306</u>	Q2
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42*	I. Grabchev, J.-M. Chovelon, <u>V. Bojinov</u> . <b>New green fluorescent polyvinylcarbazole copolymer with 1,8-naphthalimide side chain as chemosensor for iron cations.</b> <i>Polym. Adv. Technol.</i> <b>15</b> (7), 382-386 (2004). <a href="https://doi.org/10.1002/pat.484">https://doi.org/10.1002/pat.484</a>	<u>2,587</u>	Q2

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45*	V. Bojinov, I. Panova, I. Grabchev. <b>Novel adducts of a 2-(2-hydroxyphenyl)-benzotriazole and a blue emitting benzo[de] isoquinoline-1,3-dione for “one-step” fluorescent brightening and stabilization of polymers.</b> <i>Polym. Degrad. Stab.</i> <b>88</b> (3), 420-427 (2005). <a href="https://doi.org/10.1016/j.polymdegradstab.2004.12.007">https://doi.org/10.1016/j.polymdegradstab.2004.12.007</a>	<u>4,032</u>	Q1
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47*	V. Bojinov, D. Simeonov. <b>Synthesis of novel bifunctional polymer stabilizers – A combination of HALS and UV absorber.</b> <i>J. Photochem. Photobiol. A: Chem.</i> <b>180</b> (1-2), 205-212 (2006). <a href="https://doi.org/10.1016/j.jphotochem.2005.10.018">https://doi.org/10.1016/j.jphotochem.2005.10.018</a>	<u>3,306</u>	Q2
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51*	V. Bojinov, I. Panova. <b>Synthesis and absorption properties of new yellow-green emitting benzo[de]isoquinoline-1,3-diones containing a hindered amine and a 2-hydroxyphenylbenzotriazole fragments.</b> <i>Dyes Pigm.</i> <b>74</b> (3), 551-560 (2007). <a href="https://doi.org/10.1016/j.dyepig.2006.03.016">https://doi.org/10.1016/j.dyepig.2006.03.016</a>	<u>4,613</u>	Q1
52*	V. Bojinov, D. Simeonov, N. Georgiev. <b>A novel blue fluorescent 4-(1,2,2,6,6-pentamethylpiperidin-4-yloxy)-1,8-naphthalimide pH chemosensor based on photoinduced electron transfer.</b> <i>Dyes Pigm.</i> <b>76</b> (1), 41-46 (2008). <a href="https://doi.org/10.1016/j.dyepig.2006.08.006">https://doi.org/10.1016/j.dyepig.2006.08.006</a>	<u>4,613</u>	Q1
53*	V. Bojinov, T. Konstantinova. <b>Fluorescent 4-(2,2,6,6-tetramethyl-piperidin-4-ylamino)-1,8-naphthalimide pH chemosensor based on photoinduced electron transfer.</b> <i>Sensors Actuators B: Chemical</i> <b>123</b> (2), 869-876 (2007). <a href="https://doi.org/10.1016/j.snb.2006.10.035">https://doi.org/10.1016/j.snb.2006.10.035</a>	<u>7,100</u>	Q1
54*	D. Staneva, I. Grabchev, J.-P. Soumillion, V. Bojinov. <b>A new fluorosensor based on bis-1,8-naphthalimide for metal cations and protons.</b> <i>J. Photochem. Photobiol. A: Chem.</i> <b>189</b> (2), 192-197 (2007). <a href="https://doi.org/10.1016/j.jphotochem.2007.01.028">https://doi.org/10.1016/j.jphotochem.2007.01.028</a>	<u>3,306</u>	Q2
55*	V. Bojinov, N. Georgiev, P. Nikolov. <b>Synthesis and photophysical properties of fluorescence sensing ester- and amidoamine-functionalized 1,8-naphthalimides.</b> <i>J. Photochem. Photobiol. A: Chem.</i> <b>193</b> (2), 129-138 (2008). <a href="https://doi.org/10.1016/j.jphotochem.2007.06.016">https://doi.org/10.1016/j.jphotochem.2007.06.016</a>	<u>3,306</u>	Q2



56*	I. Grabchev, D. Staneva, <b>V. Bojinov</b> , R. Betcheva, V. Gregoriou. <b>Spectral investigation of coordination of cuprum cations and protons at PAMAM dendrimer peripherally modified with 1,8-naphthalimide units.</b> <i>Spectrochim. Acta A: Mol. Biomol. Spectrosc.</i> <b>70</b> (3), 532-536 (2008). <a href="https://doi.org/10.1016/j.saa.2007.07.057">https://doi.org/10.1016/j.saa.2007.07.057</a>	<b>3,232</b>	<b>Q1</b>
57*	<b>V. Bojinov</b> , <b>I. Panova</b> , D. Simeonov. <b>Design and synthesis of polymerizable, yellow-green emitting 1,8-naphthalimides containing built-in s-triazine UV absorber and hindered amine light stabilizer fragments.</b> <i>Dyes Pigm.</i> <b>78</b> (2), 101-110 (2008). <a href="https://doi.org/10.1016/j.dyepig.2007.10.010">https://doi.org/10.1016/j.dyepig.2007.10.010</a>	<b>4,613</b>	<b>Q1</b>
58*	<b>V. Bojinov</b> , <b>N. Georgiev</b> , P. Nikolov. <b>Design and synthesis of core and peripherally functionalized with 1,8-naphthalimide units fluorescent PAMAM dendron as light harvesting antenna.</b> <i>J. Photochem. Photobiol. A: Chem.</i> <b>197</b> (2-3), 281-289 (2008). <a href="https://doi.org/10.1016/j.jphotochem.2008.01.005">https://doi.org/10.1016/j.jphotochem.2008.01.005</a>	<b>3,306</b>	<b>Q2</b>
59*	<b>V. Bojinov</b> , <b>I. Panova</b> . <b>Photo-stability of yellow-green emitting 1,8-naphthalimides containing built-in s-triazine UV absorber and HALS fragments and their acrylonitrile copolymers.</b> <i>Polym. Degrad. Stab.</i> <b>93</b> (6), 1142-1150 (2008). <a href="https://doi.org/10.1016/j.polymdegradstab.2008.03.003">https://doi.org/10.1016/j.polymdegradstab.2008.03.003</a>	<b>4,032</b>	<b>Q1</b>
60*	<b>V. Bojinov</b> , <b>I. Panova</b> . <b>Novel 4-(2,2,6,6-tetramethylpiperidin-4-ylamino)-1,8-naphthalimide based yellow-green emitting fluorescence sensors for transition metal ions and protons.</b> <i>Dyes Pigm.</i> <b>80</b> (1), 61-66 (2009). <a href="https://doi.org/10.1016/j.dyepig.2008.05.007">https://doi.org/10.1016/j.dyepig.2008.05.007</a>	<b>4,613</b>	<b>Q1</b>
61*	<b>V. Bojinov</b> , <b>I. Panova</b> , J.-M. Chovelon. <b>Novel blue emitting tetra- and penta-methylpiperidin-4-yloxy-1,8-naphthalimides as photoinduced electron transfer based sensors for transition metal ions and protons.</b> <i>Sensors Actuators B: Chemical</i> <b>135</b> (1), 172-180 (2008). <a href="https://doi.org/10.1016/j.snb.2008.08.016">https://doi.org/10.1016/j.snb.2008.08.016</a>	<b>7,100</b>	<b>Q1</b>
62*	<b>V. Bojinov</b> , <b>N. Georgiev</b> , P. Bosch. <b>Design and synthesis of highly photostable yellow-green emitting 1,8-naphthalimides as fluorescent sensors for metal cations and protons.</b> <i>J. Fluoresc.</i> <b>19</b> (1), 127-139 (2009). <a href="https://doi.org/10.1007/s10895-008-0394-2">https://doi.org/10.1007/s10895-008-0394-2</a>	<b>2,093</b>	<b>Q3</b>
63*	<b>N. Georgiev</b> , <b>V. Bojinov</b> , P. Nikolov. <b>Design and synthesis of a novel pH sensitive core and peripherally 1,8-naphthalimide-labeled PAMAM dendron as light harvesting antenna.</b> <i>Dyes Pigm.</i> <b>81</b> (1), 18-26 (2009). <a href="https://doi.org/10.1016/j.dyepig.2008.08.009">https://doi.org/10.1016/j.dyepig.2008.08.009</a>	<b>4,613</b>	<b>Q1</b>
64*	<b>V. Bojinov</b> , <b>I. Panova</b> , D. Simeonov. <b>The synthesis of novel photostable fluorescein-based dyes containing s-triazine UV absorber and HALS units and their acrylonitrile copolymers.</b> <i>Dyes Pigm.</i> <b>83</b> (2), 135-143 (2009). <a href="https://doi.org/10.1016/j.dyepig.2008.10.007">https://doi.org/10.1016/j.dyepig.2008.10.007</a>	<b>4,613</b>	<b>Q1</b>
65*	<b>V. Bojinov</b> , <b>A. Venkova</b> , <b>N. Georgiev</b> . <b>Synthesis and energy-transfer properties of fluorescence sensing bichromophoric system based on Rhodamine 6G and 1,8-naphthalimide.</b> <i>Sensors Actuators B: Chemical</i> <b>143</b> (1), 42-49 (2009). <a href="https://doi.org/10.1016/j.snb.2009.09.012">https://doi.org/10.1016/j.snb.2009.09.012</a>	<b>7,100</b>	<b>Q1</b>
66*	<b>N. Georgiev</b> , <b>V. Bojinov</b> . <b>The design and synthesis of a novel 1,8-naphthalimide PAMAM light-harvesting dendron with fluorescence “off-on” switching core.</b> <i>Dyes Pigm.</i> <b>84</b> (3), 249-256 (2010). <a href="https://doi.org/10.1016/j.dyepig.2009.09.013">https://doi.org/10.1016/j.dyepig.2009.09.013</a>	<b>4,613</b>	<b>Q1</b>
67*	<b>V. Bojinov</b> , <b>N. Georgiev</b> , <b>N. Marinova</b> . <b>Design and synthesis of highly photostable fluorescence sensing 1,8-naphthalimide-based dyes containing s-triazine UV absorber and HALS units.</b> <i>Sensors Actuators B: Chemical</i> <b>148</b> (1), 6-16 (2010). <a href="https://doi.org/10.1016/j.snb.2010.05.022">https://doi.org/10.1016/j.snb.2010.05.022</a>	<b>7,100</b>	<b>Q1</b>
68*	<b>V. Bojinov</b> , <b>I. Panova</b> , D. Simeonov, <b>N. Georgiev</b> . <b>Synthesis and sensor activity of photostable blue emitting 1,8-naphthalimides containing s-triazine UV absorber and HALS fragments.</b> <i>J. Photochem. Photobiol. A: Chem.</i> <b>210</b> (2-3), 89-99 (2010). <a href="https://doi.org/10.1016/j.jphotochem.2010.01.015">https://doi.org/10.1016/j.jphotochem.2010.01.015</a>	<b>3,306</b>	<b>Q2</b>

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70*	N. Georgiev, V. Bojinov, N. Marinova. <b>Novel PAMAM light-harvesting antennae based on 1,8-naphthalimide: Synthesis, energy transfer, photophysical and pH sensing properties.</b> <i>Sensors Actuators B: Chemical</i> <b>150</b> (2), 655-666 (2010). <a href="https://doi.org/10.1016/j.snb.2010.08.023">https://doi.org/10.1016/j.snb.2010.08.023</a>	<u>7,100</u>	Q1
71*	N. Georgiev, V. Bojinov. <b>Design, synthesis and photostability of novel 1,8-naphthalimide PAMAM light-harvesting dendrons.</b> <i>J. Fluoresc.</i> <b>21</b> (1), 51-63 (2011). <a href="https://doi.org/10.1007/s10895-010-0689-y">https://doi.org/10.1007/s10895-010-0689-y</a>	<u>2,093</u>	Q3
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75*	V. Bojinov, N. Georgiev. <b>Molecular sensors and molecular logic gates (Review).</b> <i>J. Univ. Chem. Technol. Metal. (Sofia)</i> <b>46</b> (1), 3-26 (2011). <a href="https://dl.uctm.edu/journal/node/j2011-1/1_Vlado_Bojinov.pdf">https://dl.uctm.edu/journal/node/j2011-1/1_Vlado_Bojinov.pdf</a>	<u>Scopus</u>	Q3†
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77*	N. Georgiev, V. Bojinov. <b>Design, synthesis and sensor activity of a highly photostable blue emitting 1,8-naphthalimide.</b> <i>J. Lumin.</i> <b>132</b> (9), 2235-2241 (2012). <a href="http://dx.doi.org/10.1016/j.jlumin.2012.04.023">http://dx.doi.org/10.1016/j.jlumin.2012.04.023</a>	<u>3,280</u>	Q1
78*	N. Georgiev, V. Bojinov, A. Venkova. <b>Design, synthesis and pH sensing properties of novel PAMAM light-harvesting dendrons based on Rhodamine 6G and 1,8-naphthalimide.</b> <i>J. Fluoresc.</i> <b>23</b> (3), 459-471 (2013). <a href="https://doi.org/10.1007/s10895-013-1168-z">https://doi.org/10.1007/s10895-013-1168-z</a>	<u>2,093</u>	Q3
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81*	N. Georgiev, A. Asiri, A. Qusti, K. Alamry, V. Bojinov. <b>Design and synthesis of pH-selective fluorescence sensing PAMAM light-harvesting dendrons based on 1,8-naphthalimides.</b> <i>Sensors Actuators B: Chemical</i> <b>190</b> , 185-198 (2014). <a href="http://dx.doi.org/10.1016/j.snb.2013.08.074">http://dx.doi.org/10.1016/j.snb.2013.08.074</a>	<u>7,100</u>	Q1
82*	N. Georgiev, R. Bryaskova, R. Tzoneva, I. Ugrinova, C. Detrembleur, S. Miloshev, A. Asiri, A. Qusti, V. Bojinov. <b>A novel pH sensitive water soluble fluorescent nanomicellar sensor for potential biomedical applications.</b> <i>Bioorg. Med. Chem.</i> <b>21</b> (21), 6292-6302 (2013). <a href="http://dx.doi.org/10.1016/j.bmc.2013.08.064">http://dx.doi.org/10.1016/j.bmc.2013.08.064</a>	<u>3,073</u>	Q2

83*	N. Georgiev, A. Asiri, A. Qusti, K. Alamry, V. Bojinov. <b>A pH sensitive and selective ratiometric PAMAM wavelength-shifting bichromophoric system based on PET, FRET and ICT.</b> <i>Dyes Pigm.</i> <b>102</b> , 35-45 (2014). <a href="http://dx.doi.org/10.1016/j.dyepig.2013.10.007">http://dx.doi.org/10.1016/j.dyepig.2013.10.007</a>	<u>4,613</u>	Q1
84*	N. Georgiev, A. Asiri, K. Alamry, A. Obaid, V. Bojinov. <b>Selective ratiometric pH-sensing PAMAM light-harvesting dendrimer based on Rhodamine 6G and 1,8-naphthalimide.</b> <i>J. Photochem. Photobiol. A: Chem.</i> <b>277</b> , 62-74 (2014). <a href="http://dx.doi.org/10.1016/j.jphotochem.2013.12.005">http://dx.doi.org/10.1016/j.jphotochem.2013.12.005</a>	<u>3,306</u>	Q2
85*	N. Georgiev, S. Dimov, A. Asiri, K. Alamry, A. Obaid, V. Bojinov. <b>Synthesis, selective pH-sensing activity and logic behavior of highly water-soluble 1,8-naphthalimide and dihydroimidazo-naphthalimide derivatives.</b> <i>J. Lumin.</i> <b>149</b> , 325-332 (2014). <a href="http://dx.doi.org/10.1016/j.jlumin.2014.01.028">http://dx.doi.org/10.1016/j.jlumin.2014.01.028</a>	<u>3,280</u>	Q1
86*	K. Alamry, N. Georgiev, S. Abdullah El-Daly, L. Taib, V. Bojinov. <b>A highly selective ratiometric fluorescent pH probe based on a PAMAM wavelength-shifting bichromophoric system.</b> <i>Spectrochim. Acta A: Mol. Biomol. Spectrosc.</i> <b>135</b> , 792-800 (2015). <a href="https://doi.org/10.1016/j.saa.2014.07.076">https://doi.org/10.1016/j.saa.2014.07.076</a>	<u>3,232</u>	Q1
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90*	R. Bryaskova, N. Georgiev, S. Dimov, R. Tzoneva, C. Detrembleur, A. Asiri, K. Alamry, V. Bojinov. <b>Novel nanosized water soluble fluorescent micelles with embedded perylene diimide fluorophores for potential biomedical applications: cell permeability, localization and cytotoxicity.</b> <i>Mater. Sci. Eng. C</i> <b>51</b> , 7-15 (2015). <a href="http://dx.doi.org/10.1016/j.msec.2015.02.035">http://dx.doi.org/10.1016/j.msec.2015.02.035</a>	<u>5,880</u>	Q1
91*	N. Georgiev, M. Dimitrova, A. Asiri, K. Alamry, V. Bojinov. <b>Synthesis, sensor activity and logic behaviour of a novel bichromophoric system based on Rhodamine 6G and 1,8-naphthalimide.</b> <i>Dyes Pigm.</i> <b>115</b> , 172-180 (2015). <a href="http://dx.doi.org/10.1016/j.dyepig.2015.01.001">http://dx.doi.org/10.1016/j.dyepig.2015.01.001</a>	<u>4,613</u>	Q1
92*	N. Georgiev, H. Nichev, M. Petrov, K. Lovchinov, D. Dimova-Malinovska, V. Bojinov. <b>Deposition of perylene diimide derivatives for dye-sensitized solar cells</b> , in P. Petkov, D. Tsiulyanu, W. Kulisch, C. Popov (eds) <i>Nanoscience Advances in CBRN Agents Detection, Information and Energy Security</i> , NATO Science for Peace and Security Series A: Chemistry and Biology, Springer, Dordrecht, 2015, pp 497-504. <a href="https://doi.org/10.1007/978-94-017-9697-2_51">https://doi.org/10.1007/978-94-017-9697-2_51</a>	<u>Scopus</u>	Q4 <sup>†</sup>
93*	N. Marinova, W. Tress, R. Humphry-Baker, M. Dar, V. Bojinov, S. Zakeeruddin, M. Nazeeruddin, M. Grätzel. <b>Light harvesting and charge recombination in CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> perovskite solar cells studied by hole-transport-layer thickness variation.</b> <i>ACS Nano</i> <b>9</b> (4), 4200-4209 (2015). <a href="https://doi.org/10.1021/acs.nano.5b00447">https://doi.org/10.1021/acs.nano.5b00447</a>	<u>14,588</u>	Q1
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98*	N. Georgiev, <b>M. Dimitrova</b> , <b>P. Krasteva</b> , V. Bojinov. <b>A novel water-soluble 1,8-naphthalimide as a fluorescent pH-probe and a molecular logic circuit.</b> <i>J. Lumin.</i> <b>187</b> , 383-391 (2017). <a href="http://dx.doi.org/10.1016/j.jlumin.2017.03.049">http://dx.doi.org/10.1016/j.jlumin.2017.03.049</a>	<b>3,280</b>	<b>Q1</b>
99*	N. Georgiev, <b>M. Dimitrova</b> , A. Mavrova, V. Bojinov. <b>Synthesis, fluorescence-sensing and molecular logic of two water-soluble 1,8-naphthalimides.</b> <i>Spectrochim. Acta A: Mol. Biomol. Spectrosc.</i> <b>183</b> , 7-16 (2017). <a href="http://dx.doi.org/10.1016/j.saa.2017.04.016">http://dx.doi.org/10.1016/j.saa.2017.04.016</a>	<b>3,232</b>	<b>Q1</b>
100*	<b>P. Krasteva</b> , <b>M. Dimitrova</b> , N. Georgiev, V. Bojinov. <b>A novel 1,8-naphthalimide probe for selective determination of Hg<sup>2+</sup> in a wide pH window.</b> <i>J. Chem. Technol. Metall.</i> <b>53</b> (2), 150-158 (2018). <a href="https://dl.uctm.edu/journal/node/j2018-2/2_17_87_p_150_158_COLOUR.pdf">https://dl.uctm.edu/journal/node/j2018-2/2_17_87_p_150_158_COLOUR.pdf</a>	<b>Scopus</b>	<b>Q3†</b>
101*	<b>A. Said</b> , N. Georgiev, V. Bojinov. <b>Synthesis of a single 1,8-naphthalimide fluorophore as a molecular logic lab for simultaneously detecting of Fe<sup>3+</sup>, Hg<sup>2+</sup> and Cu<sup>2+</sup>.</b> <i>Spectrochim. Acta A: Mol. Biomol. Spectrosc.</i> <b>196</b> , 76-82 (2018). <a href="https://doi.org/10.1016/j.saa.2018.02.005">https://doi.org/10.1016/j.saa.2018.02.005</a>	<b>3,232</b>	<b>Q1</b>
102*	<b>N. Marinova</b> , N. Georgiev, V. Bojinov. <b>Synthesis and photophysical properties of novel 1,8-naphthalimide light-harvesting antennae based on benzyl aryl ether architecture.</b> <i>J. Lumin.</i> <b>204</b> , 253-260 (2018). <a href="https://doi.org/10.1016/j.jlumin.2018.08.011">https://doi.org/10.1016/j.jlumin.2018.08.011</a>	<b>3,280</b>	<b>Q1</b>
103*	N. Georgiev, <b>A. Said</b> , R. Toshkova, R. Tzoneva, V. Bojinov. <b>A novel water-soluble perylenetetracarboxylic diimide as a fluorescent pH probe: chemosensing, biocompatibility and cell imaging.</b> <i>Dyes Pigm.</i> <b>160</b> , 28-36 (2019). <a href="https://doi.org/10.1016/j.dyepig.2018.07.048">https://doi.org/10.1016/j.dyepig.2018.07.048</a>	<b>4,613</b>	<b>Q1</b>
104*	<b>A. Said</b> , N. Georgiev, V. Bojinov. <b>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.</b> <i>Dyes Pigm.</i> <b>162</b> , 377-384 (2019). <a href="https://doi.org/10.1016/j.dyepig.2018.10.030">https://doi.org/10.1016/j.dyepig.2018.10.030</a>	<b>4,613</b>	<b>Q1</b>
105*	<b>A. Said</b> , N. Georgiev, V. Bojinov. <b>The simplest molecular chemosensor for detecting pH, Cu<sup>2+</sup> and S<sup>2-</sup> in aqueous environment and executing various logic gates.</b> <i>J. Photochem. Photobiol. A: Chem.</i> <b>371</b> , 395-406 (2019). <a href="https://doi.org/10.1016/j.jphotochem.2018.11.029">https://doi.org/10.1016/j.jphotochem.2018.11.029</a>	<b>3,306</b>	<b>Q2</b>
106*	N. Georgiev, <b>P. Krasteva</b> , V. Bojinov. <b>A ratiometric 4-amido-1,8-naphthalimide fluorescent probe based on excimer-monomer emission for determination of pH and water content in organic solvents.</b> <i>J. Lumin.</i> <b>212</b> , 271-278 (2019). <a href="https://doi.org/10.1016/j.jlumin.2019.04.053">https://doi.org/10.1016/j.jlumin.2019.04.053</a>	<b>3,280</b>	<b>Q1</b>
107*	N. Georgiev, <b>V. Bakov</b> , V. Bojinov. <b>A solid-state-emissive 1,8-naphthalimide probe based on photoinduced electron transfer and aggregation-induced emission.</b> <i>ChemistrySelect</i> <b>4</b> (14), 4163-4167 (2019). <a href="https://doi.org/10.1002/slct.201900380">https://doi.org/10.1002/slct.201900380</a>	<b>1,811</b>	<b>Q2</b>
108*	<b>A. Said</b> , N. Georgiev, V. Bojinov. <b>A smart chemosensor: Discriminative multidetection and various logic operations in aqueous solution at biological pH.</b> <i>Spectrochim. Acta A: Mol. Biomol. Spectrosc.</i> <b>223</b> , Article number 117304 (2019). <a href="https://doi.org/10.1016/j.saa.2019.117304">https://doi.org/10.1016/j.saa.2019.117304</a>	<b>3,232</b>	<b>Q1</b>



109	<b>A. Said</b> , N. Georgiev, S. Hamdan, <b>V. Bojinov</b> . <b>A chemosensing molecular lab for various analytes and its ability to execute a molecular logical digital comparator</b> . <i>J. Fluoresc.</i> <b>29</b> (6), 1431-1443 (2019). <a href="https://doi.org/10.1007/s10895-019-02464-3">https://doi.org/10.1007/s10895-019-02464-3</a>	<b>2,093</b>	<b>Q3</b>
110	<b>S. Ismail</b> , R. Bryaskova, N. Georgiev, <b>N. Philipova</b> , V. Uzunova, <b>V. Bakov</b> , R. Tzoneva, <b>V. Bojinov</b> . <b>Design and synthesis of fluorescent shell functionalized polymer micelles for biomedical application</b> . <i>Polym. Adv. Technol.</i> <b>31</b> (6), 1365-1376 (2020). <a href="https://doi.org/10.1002/pat.4866">https://doi.org/10.1002/pat.4866</a>	<b>2,587</b>	<b>Q2</b>
111*	N. Georgiev, <b>N. Marinova</b> , <b>V. Bojinov</b> . <b>Design and synthesis of light-harvesting rotor based on 1,8-naphthalimide units</b> . <i>J. Photochem. Photobiol. A: Chem.</i> <b>401</b> , Article number 112733 (2020). <a href="https://doi.org/10.1016/j.jphotochem.2020.112733">https://doi.org/10.1016/j.jphotochem.2020.112733</a>	<b>3,306</b>	<b>Q2</b>
112	<b>A. Sakr</b> , N. Georgiev, <b>V. Bojinov</b> . <b>Design, photochemistry and antibacterial evaluation of novel light-harvesting antenna</b> . <i>Synth. Commun.</i> <b>50</b> (19), 2988-2996 (2020). <a href="https://doi.org/10.1080/00397911.2020.1788601">https://doi.org/10.1080/00397911.2020.1788601</a>	<b>1,796</b>	<b>Q3</b>
113	R. Bryaskova, <b>N. Philipova</b> , N. Georgiev, I. Lalov, C. Detrembleur, <b>V. Bojinov</b> . <b>Photoactive mussels inspired polymer coatings: Preparation and antibacterial activity</b> . <i>J. Appl. Polym. Sci.</i> <b>138</b> (31), Article number 50769 (2021). <a href="https://doi.org/10.1002/app.50769">https://doi.org/10.1002/app.50769</a>	<b>2,520</b>	<b>Q2</b>
114	N. Georgiev, R. Bryaskova, <b>S. Ismail</b> , <b>N. Philipova</b> , V. Uzunova, <b>V. Bakov</b> , R. Tzoneva, <b>V. Bojinov</b> . <b>Aggregation induced emission in 1,8-naphthalimide embedded nanomicellar architecture as a platform for fluorescent ratio-metric pH-probe with biomedical applications</b> . <i>J. Photochem. Photobiol. A: Chem.</i> <b>418</b> , Article number 113380 (2021). <a href="https://doi.org/10.1016/j.jphotochem.2021.113380">https://doi.org/10.1016/j.jphotochem.2021.113380</a>	<b>3,306</b>	114

\* Цитирани публикации

\*\* 2019 Journal Citation Reports (Clarivate Analytics, 2020)

$\sum \text{имп.ф.} = \mathbf{407,175}$

† SCOPUS (Scimago Journal & Country Rank)

Участие в авторските колективи на докторанти – **маркирани в жълто**.

Участие в авторските колективи на студенти – **маркирани в синьо**.

***h index* = 36** според приложения списък с цитирания (Приложение 9)

<b><i>h index</i></b>	Цитирана статия по списъка	Брой цитирания		<b><i>h index</i></b>	Цитирана статия по списъка	Брой цитирания
1.	Статия № 93	162		58.	Статия № 39	24
2.	Статия № 13	152		59.	Статия № 69	24
3.	Статия № 76	106		60.	Статия № 87	24
4.	Статия № 30	83		61.	Статия № 64	23
5.	Статия № 72	81		62.	Статия № 45	21
6.	Статия № 28	71		63.	Статия № 38	20
7.	Статия № 53	70		64.	Статия № 77	20
8.	Статия № 65	67		65.	Статия № 12	20
9.	Статия № 14	65		66.	Статия № 48	19
10.	Статия № 75	65		67.	Статия № 10	18
11.	Статия № 35	61		68.	Статия № 41	18
12.	Статия № 82	58		69.	Статия № 47	18
13.	Статия № 24	54		70.	Статия № 80	18
14.	Статия № 36	52		71.	Статия № 49	17
15.	Статия № 62	52		72.	Статия № 79	17
16.	Статия № 83	52		73.	Статия № 106	17
17.	Статия № 22	50		74.	Статия № 71	16

18.	Статия № 23	49	75.	Статия № 104	16
19.	Статия № 32	49	76.	Статия № 9	15
20.	Статия № 46	49	77.	Статия № 20	15
21.	Статия № 55	49	78.	Статия № 56	14
22.	Статия № 54	48	79.	Статия № 78	14
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25.	Статия № 37	45	82.	Статия № 101	13
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27.	Статия № 81	45	84.	Статия № 98	12
28.	Статия № 33	44	85.	Статия № 85	11
29.	Статия № 61	41	86.	Статия № 40	10
30.	Статия № 67	40	87.	Статия № 73	9
31.	Статия № 70	40	88.	Статия № 105	9
32.	Статия № 25	39	89.	Статия № 31	8
33.	Статия № 26	39	90.	Статия № 90	8
34.	Статия № 60	39	91.	Статия № 89	7
35.	Статия № 74	37	92.	Статия № 15	6
36.	Статия № 91	37	93.	Статия № 50	6
37.	Статия № 21	36	94.	Статия № 96	6
38.	Статия № 44	36	95.	Статия № 108	5
39.	Статия № 95	35	96.	Статия № 5	4
40.	Статия № 97	34	97.	Статия № 94	4
41.	Статия № 18	33	98.	Статия № 102	4
42.	Статия № 52	33	99.	Статия № 107	4
43.	Статия № 57	33	100.	Статия № 6	3
44.	Статия № 103	32	101.	Статия № 100	3
45.	Статия № 11	31	102.	Статия № 7	2
46.	Статия № 42	31	103.	Статия № 16	1
47.	Статия № 68	30	104.	Статия № 92	1
48.	Статия № 17	29	105.	Статия № 111	1
49.	Статия № 86	29	106.	Статия № 1	0
50.	Статия № 43	28	107.	Статия № 2	0
51.	Статия № 34	27	108.	Статия № 3	0
52.	Статия № 59	27	109.	Статия № 4	0
53.	Статия № 66	27	110.	Статия № 109	0
54.	Статия № 84	27	111.	Статия № 110	0
55.	Статия № 88	27	112.	Статия № 112	0
56.	Статия № 27	26	113.	Статия № 113	0
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