

Nikolai I Georgiev

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50 papers	1,636 citations	29 h-index	39 g-index
52 ext. papers	1,907 ext. citations	4.5 avg, IF	5.07 L-index

#	Paper	IF	Citations
50	Design and synthesis of novel fluorescence sensing perylene diimides based on photoinduced electron transfer. <i>Dyes and Pigments</i> , 2011 , 91, 332-339	4.6	102
49	The design, synthesis and photophysical properties of two novel 1,8-naphthalimide fluorescent pH sensors based on PET and ICT. <i>Dyes and Pigments</i> , 2011 , 88, 350-357	4.6	87
48	A novel pH sensitive water soluble fluorescent nanomicellar sensor for potential biomedical applications. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 6292-302	3.4	70
47	A pH sensitive and selective ratiometric PAMAM wavelength-shifting bichromophoric system based on PET, FRET and ICT. <i>Dyes and Pigments</i> , 2014 , 102, 35-45	4.6	64
46	Synthesis and energy-transfer properties of fluorescence sensing bichromophoric system based on Rhodamine 6G and 1,8-naphthalimide. <i>Sensors and Actuators B: Chemical</i> , 2009 , 143, 42-49	8.5	62
45	Design and synthesis of highly photostable yellow-green emitting 1,8-naphthalimides as fluorescent sensors for metal cations and protons. <i>Journal of Fluorescence</i> , 2009 , 19, 127-39	2.4	59
44	Design and synthesis of a novel PET and ICT based 1,8-naphthalimide FRET bichromophore as a four-input Disabled/Enabled-OR logic gate. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 625-634	8.5	52
43	Design and synthesis of a novel pH sensitive core and peripherally 1,8-naphthalimide-labeled PAMAM dendron as light harvesting antenna. <i>Dyes and Pigments</i> , 2009 , 81, 18-26	4.6	51
42	Design and synthesis of pH-selective fluorescence sensing PAMAM light-harvesting dendrons based on 1,8-naphthalimides. <i>Sensors and Actuators B: Chemical</i> , 2014 , 190, 185-198	8.5	49
41	Synthesis and photophysical properties of fluorescence sensing ester- and amidoamine-functionalized 1,8-naphthalimides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 193, 129-138	4.7	49
40	Design, synthesis and pH sensing properties of novel 1,8-naphthalimide-based bichromophoric system. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 222, 132-140	4.7	47
39	Design and synthesis of highly photostable fluorescence sensing 1,8-naphthalimide-based dyes containing s-triazine UV absorber and HALS units. <i>Sensors and Actuators B: Chemical</i> , 2010 , 148, 6-16	8.5	45
38	Design and synthesis of core and peripherally functionalized with 1,8-naphthalimide units fluorescent PAMAM dendron as light harvesting antenna. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 197, 281-289	4.7	45
37	A novel water-soluble perylene-tetracarboxylic diimide as a fluorescent pH probe: Chemosensing, biocompatibility and cell imaging. <i>Dyes and Pigments</i> , 2019 , 160, 28-36	4.6	44
36	Synthesis, sensor activity and logic behaviour of a novel bichromophoric system based on rhodamine 6G and 1,8-naphthalimide. <i>Dyes and Pigments</i> , 2015 , 115, 172-180	4.6	42
35	Synthesis and sensor activity of a PET-based 1,8-naphthalimide Probe for Zn(2+) and pH determination. <i>Journal of Fluorescence</i> , 2014 , 24, 1621-8	2.4	40
34	Novel PAMAM light-harvesting antennae based on 1,8-naphthalimide: Synthesis, energy transfer, photophysical and pH sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2010 , 150, 655-666	8.5	40

33	Synthesis, chemosensing properties and logic behaviour of a novel ratiometric 1,8-naphthalimide probe based on ICT and PET. <i>Dyes and Pigments</i> , 2016 , 131, 9-17	4.6	40
32	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 and Pigments</i> , 2008 , 76, 41-46	4.6	39
31	A highly selective ratiometric fluorescent pH probe based on a PAMAM wavelength-shifting bichromophoric system. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 135, 792-800	4.4	38
30	Synthesis, sensor activity and logic behavior of a highly water-soluble naphthalimide derivative. <i>Sensors and Actuators B: Chemical</i> , 2013 , 184, 54-63	8.5	38
29	The design and synthesis of a novel 1,8-naphthalimide PAMAM light-harvesting dendron with fluorescence off-on switching core. <i>Dyes and Pigments</i> , 2010 , 84, 249-256	4.6	38
28	A ratiometric rhodamine-naphthalimide pH selective probe built on the basis of a PAMAM light-harvesting architecture. <i>Journal of Luminescence</i> , 2015 , 158, 50-59	3.8	36
27	Selective ratiometric pH-sensing PAMAM light-harvesting dendrimer based on Rhodamine 6G and 1,8-naphthalimide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014 , 277, 62-74	4.7	35
26	Design, synthesis and sensor activity of a highly photostable blue emitting 1,8-naphthalimide. <i>Journal of Luminescence</i> , 2012 , 132, 2235-2241	3.8	35
25	Facile synthesis, sensor activity and logic behaviour of 4-aryloxy substituted 1,8-naphthalimide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013 , 254, 54-61	4.7	34
24	Synthesis and sensor activity of photostable blue emitting 1,8-naphthalimides containing s-triazine UV absorber and HALS fragments. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 210, 89-99	4.7	32
23	Design, synthesis and pH sensing properties of novel PAMAM light-harvesting dendrons based on rhodamine 6G and 1,8-naphthalimide. <i>Journal of Fluorescence</i> , 2013 , 23, 459-71	2.4	30
22	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 and Pigments</i> , 2019 , 162, 377-384	4.6	30
21	Sensor activity and logic behaviour of PET based dihydroimidazonaphthalimide diester. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 97, 512-20	4.4	29
20	Synthesis, selective pH-sensing activity and logic behavior of highly water-soluble 1,8-naphthalimide and dihydroimidazonaphthalimide derivatives. <i>Journal of Luminescence</i> , 2014 , 149, 325-332	3.8	28
19	Design, synthesis and photostability of novel 1,8-naphthalimide PAMAM light-harvesting dendrons. <i>Journal of Fluorescence</i> , 2011 , 21, 51-63	2.4	24
18	A ratiometric 4-amido-1,8-naphthalimide fluorescent probe based on excimer-monomer emission for determination of pH and water content in organic solvents. <i>Journal of Luminescence</i> , 2019 , 212, 271-278	3.8	22
17	Synthesis of a single 1,8-naphthalimide fluorophore as a molecular logic lab for simultaneously detecting of Fe, Hg and Cu. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 196, 76-82	4.4	20
16	Synthesis, fluorescence-sensing and molecular logic of two water-soluble 1,8-naphthalimides. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 183, 7-16	4.4	19

15	Synthesis, sensor activity, and logic behavior of a highly water-soluble 9,10-dihydro-7H-imidazo[1,2-b]benz[d,e]isoquinolin-7-one dicarboxylic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015 , 297, 31-38	4.7	17
14	Novel nanosized water soluble fluorescent micelles with embedded perylene diimide fluorophores for potential biomedical applications: cell permeability, localization and cytotoxicity. <i>Materials Science and Engineering C</i> , 2015 , 51, 7-15	8.3	16
13	A novel water-soluble 1,8-naphthalimide as a fluorescent pH-probe and a molecular logic circuit. <i>Journal of Luminescence</i> , 2017 , 187, 383-391	3.8	15
12	Sensor activity and logic behavior of dihydroxyphenyl hydrazone derivative as a chemosensor for Cu ²⁺ determination in alkaline aqueous solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015 , 311, 16-24	4.7	13
11	The simplest molecular chemosensor for detecting higher pHs, Cu ²⁺ and S ²⁻ in aqueous environment and executing various logic gates. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 371, 395-406	4.7	13
10	Novel PAMAM Dendron as a Bichromophoric Probe Based on Rhodamine 6G and 1,8-Naphthalimide. <i>Journal of Fluorescence</i> , 2016 , 26, 1091-100	2.4	11
9	A smart chemosensor: Discriminative multidetection and various logic operations in aqueous solution at biological pH. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 223, 117304	4.4	9
8	Synthesis and photophysical properties of novel 1,8-naphthalimide light-harvesting antennae based on benzyl aryl ether architecture. <i>Journal of Luminescence</i> , 2018 , 204, 253-260	3.8	8
7	A Solid-State-Emissive 1,8-Naphthalimide Probe Based on Photoinduced Electron Transfer and Aggregation-Induced Emission. <i>ChemistrySelect</i> , 2019 , 4, 4163-4167	1.8	7
6	Design and synthesis of light-harvesting rotor based on 1,8-naphthalimide units. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 401, 112733	4.7	5
5	A chemosensing molecular lab for various analytes and its ability to execute a molecular logical digital comparator. <i>Journal of Fluorescence</i> , 2019 , 29, 1431-1443	2.4	2
4	Aggregation induced emission in 1,8-naphthalimide embedded nanomicellar architecture as a platform for fluorescent ratiometric pH-probe with biomedical applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 418, 113380	4.7	2
3	Design and synthesis of fluorescent shell functionalized polymer micelles for biomedical application. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 1365-1376	3.2	1
2	Low Molecular Weight Probe for Selective Sensing of PH and Cu Working as Three INHIBIT Based Digital Comparator.. <i>Journal of Fluorescence</i> , 2022 , 32, 405	2.4	1
1	Design, photochemistry and antibacterial evaluation of novel light-harvesting antenna. <i>Synthetic Communications</i> , 2020 , 50, 2988-2996	1.7	