

Nikolai I Georgiev

List of Publications by Year in descending order

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52
papers

2,064
citations

136740

32
h-index

233125

45
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52
all docs

52
docs citations

52
times ranked

1275
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and synthesis of novel fluorescence sensing perylene diimides based on photoinduced electron transfer. <i>Dyes and Pigments</i> , 2011, 91, 332-339.	2.0	109
2	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.	2.0	98
3	A novel pH sensitive water soluble fluorescent nanomicellar sensor for potential biomedical applications. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6292-6302.	1.4	80
4	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.	2.0	76
5	A novel water-soluble perylenetetracarboxylic diimide as a fluorescent pH probe: Chemosensing, biocompatibility and cell imaging. <i>Dyes and Pigments</i> , 2019, 160, 28-36.	2.0	68
6	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.	4.0	67
7	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, 127-139.	1.3	66
8	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.	4.0	66
9	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.	2.0	57
10	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.	2.0	54
11	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.	2.0	52
12	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.	2.0	52
13	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.	4.0	52
14	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.	2.0	52
15	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.	4.0	51
16	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, 1621-1628.	1.3	51
17	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.	2.0	50
18	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.	1.5	50

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19	Synthesis, sensor activity and logic behavior of a highly water-soluble naphthalimide derivative. <i>Sensors and Actuators B: Chemical</i> , 2013, 184, 54-63.	4.0	48
20	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.	2.0	47
21	A fluorescent bichromophoric "off-on-off" pH probe as a molecular logic device (half-subtractor and) <i>Tj ETQq1 1 0.784314 rgBT /</i> 377-384.	2.0	46
22	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.	2.0	43
23	Design, synthesis and sensor activity of a highly photostable blue emitting 1,8-naphthalimide. <i>Journal of Luminescence</i> , 2012, 132, 2235-2241.	1.5	43
24	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.	2.0	43
25	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.	2.0	43
26	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.	4.0	41
27	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.	1.5	41
28	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.	2.0	39
29	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.	1.5	38
30	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, 459-471.	1.3	37
31	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.	2.0	34
32	Synthesis of a single 1,8-naphthalimide fluorophore as a molecular logic lab for simultaneously detecting of Fe ³⁺ , Hg ²⁺ and Cu ²⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 196, 76-82.	2.0	33
33	Sensor activity and logic behaviour of PET based dihydroimidazonaphthalimide diester. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 512-520.	2.0	32
34	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.	1.5	28
35	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.	2.0	26
36	Design, Synthesis and Photostability of Novel 1,8-naphthalimide PAMAM Light-harvesting Dendrons. <i>Journal of Fluorescence</i> , 2011, 21, 51-63.	1.3	25

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37	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.	2.0	25
38	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.	2.0	23
39	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.	2.0	23
40	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.	2.0	19
41	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.	3.8	18
42	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.	2.0	16
43	Low Molecular Weight Probe for Selective Sensing of PH and Cu ²⁺ Working as Three INHIBIT Based Digital Comparator. <i>Journal of Fluorescence</i> , 2022, 32, 405-417.	1.3	15
44	Novel PAMAM Dendron as a Bichromophoric Probe Based on Rhodamine 6G and 1,8-Naphthalimide. <i>Journal of Fluorescence</i> , 2016, 26, 1091-1100.	1.3	14
45	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.	1.3	14
46	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.	2.0	14
47	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.	1.5	12
48	A Solid State Emissive 1,8-Naphthalimide Probe Based on Photoinduced Electron Transfer and Aggregation Induced Emission. <i>ChemistrySelect</i> , 2019, 4, 4163-4167.	0.7	12
49	A novel dual naked eye colorimetric and fluorescent pH chemosensor and its ability to execute three INHIBIT based digital comparator. <i>Dyes and Pigments</i> , 2022, 205, 110489.	2.0	10
50	A Highly Water-Soluble and Solid State Emissive 1,8-Naphthalimide as a Fluorescent PET Probe for Determination of pHs, Acid/Base Vapors, and Water Content in Organic Solvents. <i>Molecules</i> , 2022, 27, 4229.	1.7	7
51	Design and synthesis of fluorescent shell functionalized polymer micelles for biomedical application. <i>Polymers for Advanced Technologies</i> , 2020, 31, 1365-1376.	1.6	3
52	Design, photochemistry and antibacterial evaluation of novel light-harvesting antenna. <i>Synthetic Communications</i> , 2020, 50, 2988-2996.	1.1	1