

Nikolai I Georgiev

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2781586/nikolai-i-georgiev-publications-by-year.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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
49	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
48	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
47	Design, photochemistry and antibacterial evaluation of novel light-harvesting antenna. <i>Synthetic Communications</i> , 2020 , 50, 2988-2996	1.7	
46	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
45	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
44	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
43	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
42	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	4.6	44
41	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
40	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
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	4.7	13
38	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
37	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
36	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
35	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
34	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

33	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
32	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
31	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
30	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
29	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
28	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
27	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
26	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
25	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
24	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
23	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
22	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
21	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
20	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
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	8.5	38
18	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
17	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
16	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

15	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
14	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
13	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
12	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
11	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
10	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
9	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
8	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
7	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
6	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
5	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
4	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
3	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
2	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
1	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