

Atanas A Kurutos

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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#	ARTICLE	IF	CITATIONS
1	Novel asymmetric monomethine cyanine dyes derived from sulfobetaine benzothiazolium moiety as potential fluorescent dyes for non-covalent labeling of DNA. <i>Dyes and Pigments</i> , 2016, 130, 122-128.	3.7	28
2	Cyanine dyes derived inhibition of insulin fibrillization. <i>Journal of Molecular Liquids</i> , 2019, 276, 541-552.	4.9	28
3	Aggregation behavior of novel heptamethine cyanine dyes upon their binding to native and fibrillar lysozyme. <i>Molecular BioSystems</i> , 2017, 13, 970-980.	2.9	23
4	Symmetric Meso-Chloro-Substituted Pentamethine Cyanine Dyes Containing Benzothiazolyl/Benzoselenazolyl Chromophores Novel Synthetic Approach and Studies on Photophysical Properties upon Interaction with bio-Objects. <i>Journal of Fluorescence</i> , 2016, 26, 177-187.	2.5	22
5	New series of non-toxic DNA intercalators, mitochondria targeting fluorescent dyes. <i>Dyes and Pigments</i> , 2018, 148, 452-459.	3.7	21
6	Cell penetrating, mitochondria targeting multiply charged DABCO-cyanine dyes. <i>Dyes and Pigments</i> , 2018, 158, 517-525.	3.7	21
7	Versatile Click Cyanine Amino Acid Conjugates Showing One-Atom-Influenced Recognition of DNA/RNA Secondary Structure and Mitochondrial Localisation in Living Cells. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1682-1692.	2.4	18
8	Silver(I) complexes with 4,7-phenanthroline efficient in rescuing the zebrafish embryos of lethal <i>Candida albicans</i> infection. <i>Journal of Inorganic Biochemistry</i> , 2019, 195, 149-163.	3.5	17
9	Novel synthetic approach to asymmetric monocationic trimethine cyanine dyes derived from N-ethyl quinolinium moiety. Combined fluorescent and ICD probes for AT-DNA labelling. <i>Journal of Luminescence</i> , 2016, 174, 70-76.	3.1	16
10	Novel synthetic approach to near-infrared heptamethine cyanine dyes and spectroscopic characterization in presence of biological molecules. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 328, 87-96.	3.9	15
11	Near-infrared pH responsive heptamethine cyanine platforms: Modulating the proton acceptor. <i>Dyes and Pigments</i> , 2020, 181, 108611.	3.7	15
12	Probing the amyloid protein aggregates with unsymmetrical monocationic trimethine cyanine dyes. <i>Journal of Molecular Liquids</i> , 2020, 311, 113287.	4.9	14
13	Association of novel monomethine cyanine dyes with bacteriophage MS2: A fluorescence study. <i>Journal of Molecular Liquids</i> , 2020, 302, 112569.	4.9	14
14	Non-cytotoxic photostable monomethine cyanine platforms: Combined paradigm of nucleic acid staining and in vivo imaging. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 397, 112598.	3.9	14
15	Multistep assembling via intermolecular interaction between (bis)styryl dye and cucurbit[7]uril: Spectral effects and host sliding motion. <i>Dyes and Pigments</i> , 2016, 131, 206-214.	3.7	13
16	Bright green-emitting ds-DNA labeling employed by dicationic monomethine cyanine dyes: Apoptosis assay and fluorescent bio-imaging. <i>Dyes and Pigments</i> , 2018, 157, 267-277.	3.7	13
17	Spectroscopic and molecular docking studies of the interactions of monomeric unsymmetrical polycationic fluorochromes with DNA and RNA. <i>Dyes and Pigments</i> , 2020, 180, 108446.	3.7	9
18	Green synthesis, structure and fluorescence spectra of new azacyanine dyes. <i>Journal of Molecular Structure</i> , 2017, 1147, 380-387.	3.6	8

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19	RNA-targeting low-molecular-weight fluorophores for nucleoli staining: synthesis, <i>in silico</i> modelling and cellular imaging. <i>New Journal of Chemistry</i> , 2021, 45, 12818-12829.	2.8	7
20	Organelle-selective near-infrared fluorescent probes for intracellular microenvironment labeling. <i>Dyes and Pigments</i> , 2022, 204, 110424.	3.7	6
21	Azo-hydrazone molecular switches: Synthesis and NMR conformational investigation. <i>Magnetic Resonance in Chemistry</i> , 2021, 59, 1116-1125.	1.9	5
22	Förster resonance energy transfer between Thioflavin T and unsymmetrical trimethine cyanine dyes on amyloid fibril scaffold. <i>Chemical Physics Letters</i> , 2021, 785, 139127.	2.6	5
23	Development of low-cost colourimetric and pH sensors based on PMMA@Cyanine polymers. <i>Dyes and Pigments</i> , 2022, 200, 110154.	3.7	5
24	Synthesis and spectral properties of near-infrared cyanine dyes showing enhanced Stokes shift: A paradigm of ICT dipolar state polymethine chromophoric systems. <i>Journal of Molecular Structure</i> , 2022, 1247, 131381.	3.6	4
25	1-(3-Iodopropyl)-4-methylquinolin-1-ium Iodide. <i>MolBank</i> , 2015, 2015, M874.	0.5	3
26	2,3-Dimethylbenzoxazolium Methosulfate. <i>MolBank</i> , 2016, 2016, M889.	0.5	3
27	NOVEL CYANINE DYES AS POTENTIAL AMYLOID PROBES: A FLUORESCENCE STUDY. <i>East European Journal of Physics</i> , 2018, , .	0.8	3
28	Aggregation of cyanine dyes in lipid environment. , 2015, , .		2
29	Novel Inhibitors for Corrosion Protection of Galvanized Steel. <i>Key Engineering Materials</i> , 0, 862, 28-34.	0.4	1
30	Facile and environmentally benign synthetic approach to the selective mono-chlorination and mono-bromination of benzo[<i>d</i>]oxazol-2(3 <i>H</i>)-ones. <i>Journal of Heterocyclic Chemistry</i> , 0, , .	2.6	1