Atanas A Kurutos

List of Publications by Year
in descending order

30	354	687363 13	839539 18
papers	citations	h-index	g-index

30	30	30	274
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and spectral properties of near-infrared cyanine dyes showing enhanced Stokes shift: A paradigm of ICT dipolar state polymethine chromophoric systems. Journal of Molecular Structure, 2022, 1247, 131381.	3.6	4
2	Development of low-cost colourimetric and pH sensors based on PMMA@Cyanine polymers. Dyes and Pigments, 2022, 200, 110154.	3.7	5
3	Organelle-selective near-infrared fluorescent probes for intracellular microenvironment labeling. Dyes and Pigments, 2022, 204, 110424.	3.7	6
4	Azoâ€hydrazone molecular switches: Synthesis and NMR conformational investigation. Magnetic Resonance in Chemistry, 2021, 59, 1116-1125.	1.9	5
5	RNA-targeting low-molecular-weight fluorophores for nucleoli staining: synthesis, in silico modelling and cellular imaging. New Journal of Chemistry, 2021, 45, 12818-12829.	2.8	7
6	FÓ§rster resonance energy transfer between Thioflavin T and unsymmetrical trimethine cyanine dyes on amyloid fibril scaffold. Chemical Physics Letters, 2021, 785, 139127.	2.6	5
7	Probing the amyloid protein aggregates with unsymmetrical monocationic trimethine cyanine dyes. Journal of Molecular Liquids, 2020, 311, 113287.	4.9	14
8	Near-infrared pH responsive heptamethine cyanine platforms: Modulating the proton acceptor. Dyes and Pigments, 2020, 181, 108611.	3.7	15
9	Association of novel monomethine cyanine dyes with bacteriophage MS2: A fluorescence study. Journal of Molecular Liquids, 2020, 302, 112569.	4.9	14
10	Spectroscopic and molecular docking studies of the interactions of monomeric unsymmetrical polycationic fluorochromes with DNA and RNA. Dyes and Pigments, 2020, 180, 108446.	3.7	9
11	Non-cytotoxic photostable monomethine cyanine platforms: Combined paradigm of nucleic acid staining and in vivo imaging. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 397, 112598.	3.9	14
12	Silver(I) complexes with 4,7-phenanthroline efficient in rescuing the zebrafish embryos of lethal Candida albicans infection. Journal of Inorganic Biochemistry, 2019, 195, 149-163.	3.5	17
13	Cyanine dyes derived inhibition of insulin fibrillization. Journal of Molecular Liquids, 2019, 276, 541-552.	4.9	28
14	Versatile Click Cyanine Amino Acid Conjugates Showing Oneâ€Atomâ€Influenced Recognition of DNA/RNA Secondary Structure and Mitochondrial Localisation in Living Cells. European Journal of Organic Chemistry, 2018, 2018, 1682-1692.	2.4	18
15	New series of non-toxic DNA intercalators, mitochondria targeting fluorescent dyes. Dyes and Pigments, 2018, 148, 452-459.	3.7	21
16	Cell penetrating, mitochondria targeting multiply charged DABCO-cyanine dyes. Dyes and Pigments, 2018, 158, 517-525.	3.7	21
17	Bright green-emitting ds-DNA labeling employed by dicationic monomethine cyanine dyes: Apoptosis assay and fluorescent bio-imaging. Dyes and Pigments, 2018, 157, 267-277.	3.7	13
18	NOVEL CYANINE DYES AS POTENTIAL AMYLOID PROBES: A FLUORESCENCE STUDY. East European Journal of Physics, 2018, , .	0.8	3

#	Article	IF	Citations
19	Aggregation behavior of novel heptamethine cyanine dyes upon their binding to native and fibrillar lysozyme. Molecular BioSystems, 2017, 13, 970-980.	2.9	23
20	Green synthesis, structure and fluorescence spectra of new azacyanine dyes. Journal of Molecular Structure, 2017, 1147, 380-387.	3.6	8
21	2,3-Dimethylbenzoxazolium Methosulfate. MolBank, 2016, 2016, M889.	0.5	3
22	Multistep assembling via intermolecular interaction between (bis)styryl dye and cucurbit[7]uril: Spectral effects and host sliding motion. Dyes and Pigments, 2016, 131, 206-214.	3.7	13
23	Novel synthetic approach to near-infrared heptamethine cyanine dyes and spectroscopic characterization in presence of biological molecules. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 328, 87-96.	3.9	15
24	Novel asymmetric monomethine cyanine dyes derived from sulfobetaine benzothiazolium moiety as potential fluorescent dyes for non-covalent labeling of DNA. Dyes and Pigments, 2016, 130, 122-128.	3.7	28
25	Novel synthetic approach to asymmetric monocationic trimethine cyanine dyes derived from N-ethyl quinolinum moiety. Combined fluorescent and ICD probes for AT-DNA labelling. Journal of Luminescence, 2016, 174, 70-76.	3.1	16
26	Symmetric Meso-Chloro-Substituted Pentamethine Cyanine Dyes Containing Benzothiazolyl/Benzoselenazolyl Chromophores Novel Synthetic Approach and Studies on Photophysical Properties upon Interaction with bio-Objects. Journal of Fluorescence, 2016, 26, 177-187.	2.5	22
27	1-(3-Iodopropyl)-4-methylquinolin-1-ium Iodide. MolBank, 2015, 2015, M874.	0.5	3
28	Aggregation of cyanine dyes in lipid environment. , 2015, , .		2
29	Novel Inhibitors for Corrosion Protection of Galvanized Steel. Key Engineering Materials, 0, 862, 28-34.	0.4	1
30	Facile and environmentally benign synthetic approach to the selective monoâ€chlorination and monoâ€bromination of benzo[d]oxazolâ€2(<scp> 3H </scp>)â€ones. Journal of Heterocyclic Chemistry, 0, , .	2.6	1