Vladimir A Kuzmin

List of Publications by Year
in descending order

24	241	933447 10	996975 15
papers	citations	h-index	g-index

24	24	24	264
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	1,3-dipolar cycloaddition in the synthesis of glycoconjugates of natural chlorins and bacteriochlorins. Journal of Porphyrins and Phthalocyanines, 2009, 13, 336-345.	0.8	25
2	Spectral analysis of fundus autofluorescence pattern as a tool to detect early stages of degeneration in the retina and retinal pigment epithelium. Eye, 2018, 32, 1440-1448.	2.1	23
3	Fluorescence characteristics of lipofuscin fluorophores from human retinal pigment epithelium. Photochemical and Photobiological Sciences, 2020, 19, 920-930.	2.9	20
4	Acridine orange interaction with DNA: Effect of ionic strength. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 900-909.	2.4	18
5	Phototransformation of cyanine dye with two chromophores. Effects of oxygen and dye concentration. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 349, 42-48.	3.9	16
6	Î²-Maleimide substituted meso-arylporphyrins: Synthesis, transformations, physico-chemical and antitumor properties. Dyes and Pigments, 2019, 171, 107760.	3.7	16
7	Ultrafast excited state proton transfer dynamics of 1,2-dihydroquinolines in methanol solution. Photochemical and Photobiological Sciences, 2006, 5, 815.	2.9	15
8	Complex formation of albumin with tricarbocyanine dyes containing phosphonate groups. Photochemical and Photobiological Sciences, 2016, 15, 1377-1384.	2.9	13
9	Fluorescence superquenching of SYBR Green I in crowded DNA by gold nanoparticles. Journal of Luminescence, 2020, 219, 116898.	3.1	12
10	Dichloromethane as solvent and reagent: a case study of photoinduced reactions in mixed phosphoniumâ€iodonium ylide. Journal of Physical Organic Chemistry, 2018, 31, e3844.	1.9	11
11	Comparison of quenching efficacy of SYBR Green I and PicoGreen fluorescence by ultrasmall gold nanoparticles in isotropic and liquid-crystalline DNA systems. Journal of Molecular Liquids, 2021, 321, 114751.	4.9	10
12	The synthetic fluorinated tetracarboranylchlorin as a versatile antitumor photoradiosensitizer. Dyes and Pigments, 2021, 186, 108993.	3.7	10
13	Flash photolysis investigation of the reaction of phenylselanyl radicals with hexabutyldistannane. Perkin Transactions II RSC, 2000, , 107-109.	1.1	8
14	Photoactivated biscarbocyanine dye with two conjugated chromophores: complexes with albumin, photochemical and phototoxic propertiesâ€. Photochemical and Photobiological Sciences, 2019, 18, 2461-2468.	2.9	8
15	Light-induced transformations of 1,2-dihydroquinolines: opening of the heterocycle, radical formation and photoinduced proton transfer. Russian Chemical Reviews, 2012, 81, 983-993.	6.5	6
16	Novel hetarylazo dyes containing tetrazole and hydroquinoline moieties: spectral characteristics, solvatochromism and photochemistry. Photochemical and Photobiological Sciences, 2016, 15, 1558-1566.	2.9	6
17	Microphase Mechanism of â€œSuperquenchingâ€•of Luminescent Probes in Aqueous Solutions of DNA and Some Other Polyelectrolytes. Journal of Physical Chemistry B, 2014, 118, 4245-4252.	2.6	5
18	Photochemical properties of new bis-cyanine dye as a promising agent for in vivo imaging. Mendeleev Communications, 2020, 30, 442-444.	1.6	5

#	Article	IF	Citations
19	Photoinduced electron transfer from electron donor to bis-carbocyanine dye in excited triplet state. Mendeleev Communications, 2021, 31, 68-69.	1.6	4
20	Cholesteric liquid-crystalline DNA â€“ a new type of chemical detector of ionizing radiation. Liquid Crystals, 2022, 49, 1359-1366.	2.2	4
21	Dihydroquinolylazotetrazole dyes: Effect of a substituent at the tetrazole fragment on spectral properties and thermal â€’ isomerization in organic solvents. Dyes and Pigments, 2021, 195, 109675.	3.7	3
22	Stepwise versus Concerted Mechanism of Photoinduced Proton Transfer in sec-1,2-Dihydroquinolines: Effect of Excitation Wavelength and Solvent Composition. Journal of Physical Chemistry B, 2015, 119, 2490-2497.	2.6	2
23	Dihydroquinolylazotetrazole dyes in aqueous solutions: Effect of substituents and pH on spectral properties, acid-base equilibria and thermal Zâ€’E isomerization. Dyes and Pigments, 2022, 199, 110097.	3.7	1
24	Intramolecular photo-driven charge transfer in a series of pyridyl substituted phenyloxazoles. Structural relaxation in meta-substituted ethylpyridinium derivative of phenyloxazole. Photochemical and Photobiological Sciences, 2021, 20, 1419-1428.	2.9	0