Aleksey A Vasilev

List of Publications by Year
in descending order

64	1,356	361413 20	361022 35
papers	citations	h-index	g-index

65	65	65	1518
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrafast Excited-State Dynamics of DNA Fluorescent Intercalators:Â New Insight into the Fluorescence Enhancement Mechanism. Journal of the American Chemical Society, 2006, 128, 7661-7669.	13.7	140
2	Inhibitive properties of quaternary ammonium bromides of N-containing heterocycles on acid mild steel corrosion. Part II: EIS results. Corrosion Science, 2007, 49, 3290-3302.	6.6	139
3	Mono- and dicationic benzothiazolic quaternary ammonium bromides as mild steel corrosion inhibitors. Part II: Electrochemical impedance and polarisation resistance results. Corrosion Science, 2011, 53, 1770-1777.	6.6	92
4	Styryl dyes â€“ synthesis and applications during the last 15â€ƒyears. Coloration Technology, 2010, 126, 55-80.	1.5	86
5	Inhibitive properties of quaternary ammonium bromides of N-containing heterocycles on acid mild steel corrosion. Part I: Gravimetric and voltammetric results. Corrosion Science, 2007, 49, 3276-3289.	6.6	77
6	Mono- and dicationic benzothiazolic quaternary ammonium bromides as mild steel corrosion inhibitors. Part III: Influence of the temperature on the inhibition process. Corrosion Science, 2015, 94, 70-78.	6.6	75
7	Structureâ€“Fluorescence Contrast Relationship in Cyanine DNA Intercalators: Toward Rational Dye Design. Chemistry - A European Journal, 2007, 13, 8600-8609.	3.3	45
8	Mono- and dicationic benzothiazolic quaternary ammonium bromides as mild steel corrosion inhibitors. Part I: Gravimetric and voltammetric results. Corrosion Science, 2011, 53, 679-686.	6.6	42
9	New fluorescent probes for detection and characterization of amyloid fibrils. Chemical Physics Letters, 2010, 495, 275-279.	2.6	34
10	Novel Green Procedure for the Synthesis of 2-Arylbenzothiazoles Under Microwave Irradiation in Peg 200 Or Peg 400. Phosphorus, Sulfur and Silicon and the Related Elements, 2010, 185, 2292-2302.	1.6	30
11	Synthesis of novel monomeric and homodimeric cyanine dyes based on oxazolo[4,5-b]pyridinium and quinolinium end groups for nucleic acid detection. Dyes and Pigments, 2005, 66, 135-142.	3.7	29
12	Cyanine dyes derived inhibition of insulin fibrillization. Journal of Molecular Liquids, 2019, 276, 541-552.	4.9	28
13	Fluorescence study of proteinâ€“lipid complexes with a new symmetric squarylium probe. Biophysical Chemistry, 2007, 128, 75-86.	2.8	27
14	A green synthesis of isatoic anhydrides from isatins with ureaâ€“hydrogen peroxide complex and ultrasound. Ultrasonics Sonochemistry, 2007, 14, 497-501.	8.2	26
15	Synthesis of novel monomeric cyanine dyes containing mercapto and thioacetyl substituents for nucleic acid detection. Dyes and Pigments, 2006, 70, 185-191.	3.7	24
16	Kinetic Differentiation between Homoâ€•and Alternating AT DNA by Sterically Restricted Phosphonium Dyes. Chemistry - A European Journal, 2012, 18, 3859-3864.	3.3	24
17	Probing the Structural Properties of DNA/RNA Grooves with Sterically Restricted Phosphonium Dyes: Screening of Dye Cytotoxicity and Uptake. ChemMedChem, 2013, 8, 1093-1103.	3.2	24
18	Functionalization of poly(oxyethylene phosphonate) under phase-transfer catalyst conditions. Polymer, 2003, 44, 1987-1993.	3.8	23

#	Article	IF	Citations
19	Evaluation of the Cytotoxic and Pro-Apoptotic Activities of Eu(III) Complexes with Appended DNA Intercalators in a Panel of Human Malignant Cell Lines. Medicinal Chemistry, 2006, 2, 439-445.	1.5	22
20	Synthesis and properties of novel asymmetric monomethine cyanine dyes as non-covalent labels for nucleic acids. Dyes and Pigments, 2007, 75, 466-473.	3.7	21
21	Synthesis of novel monomeric and homodimeric cyanine dyes with thioacetyl substituents for nucleic acid detection. Dyes and Pigments, 2007, 72, 28-32.	3.7	18
22	Novel environmentally benign procedures for the synthesis of styryl dyes. Dyes and Pigments, 2008, 77, 550-555.	3.7	18
23	Enhanced Intramolecular Charge Transfer in New Type Donorâ€“Acceptor Substituted Perylenes. Journal of Physical Chemistry C, 2012, 116, 22711-22719.	3.1	18
24	Halogen-containing thiazole orange analogues â€“ new fluorogenic DNA stains. Beilstein Journal of Organic Chemistry, 2017, 13, 2902-2914.	2.2	18
25	Synthesis of novel cyanine dyes containing carbamoylethyl component â€“ Noncovalent labels for nucleic acids detection. Dyes and Pigments, 2007, 74, 320-328.	3.7	17
26	Synthesis of novel monomeric asymmetric tri- and tetracationic monomethine cyanine dyes as fluorescent non-covalent nucleic acid labels. Dyes and Pigments, 2007, 75, 658-663.	3.7	17
27	Homodimeric monomethine cyanine dyes SOSO-1 and TOTO-1-6Câ€”synthesis and fluorescence properties in the presence of nucleic acids. Dyes and Pigments, 2004, 61, 79-84.	3.7	16
28	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
29	Novel environmentally benign procedure for the synthesis of 2â€arylâ€•and 2â€hetarylâ€4(3H)â€quinazolinones. Coloration Technology, 2010, 126, 24-30.	1.5	13
30	A novel general method for preparation of neutral monomethine cyanine dyes. Dyes and Pigments, 2011, 90, 170-176.	3.7	13
31	Synthesis of novel monomeric cyanine dyes containing 2-hydroxypropyl and 3-chloro-2-hydroxypropyl substituents â€“ Noncovalent labels for nucleic acids. Dyes and Pigments, 2007, 73, 69-75.	3.7	11
32	Detailed study of N,Nâ€²-(diisopropylphenyl)-terrylene-3,4:11,12-bis(dicarboximide) as electron acceptor for solar cells application. Synthetic Metals, 2012, 161, 2669-2676.	3.9	11
33	Phosphonylmethylaminocyclopentane-1-carboxylic acid. Heteroatom Chemistry, 2003, 14, 229-230.	0.7	10
34	Synthesis of novel intermediates for cyanine dyes by the quaternization of -heterocycles with acrylamide and -alkyl acrylamides. Dyes and Pigments, 2005, 67, 21-26.	3.7	10
35	Synthesis of novel tetracationic asymmetric monomeric monomethine cyanine dyes â€“ highly fluorescent dsDNA probes. Coloration Technology, 2011, 127, 69-74.	1.5	10
36	Fluorescence Study of Lipid Bilayer Interactions of Eu(III) Coordination Complexes. Journal of Fluorescence, 2011, 21, 1689-1695.	2.5	10

#	Article	IF	Citations
37	New fluorogenic dyes for analysis of cellular processes by flow cytometry and confocal microscopy. Journal of Photochemistry and Photobiology B: Biology, 2013, 129, 125-134.	3.8	10
38	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
39	Styryl dyes with N-Methylpiperazine and N-Phenylpiperazine Functionality: AT-DNA and G-quadruplex binding ligands and theranostic agents. Bioorganic Chemistry, 2022, 127, 105999.	4.1	9
40	Synthesis and Spectral Properties of Novel Fluorescent Poly(oxyethylene Phosphate) Tris(Î²-diketonate) Europium (III) Complexes. Journal of Fluorescence, 2009, 19, 85-95.	2.5	8
41	Novel Fluorescent Dyes for Single DNA Molecule Techniques. Molecular Imaging, 2013, 12, 7290.2012.00018.	1.4	8
42	A Novel Squarylium Dye for Monitoring Oxidative Processes in Lipid Membranes. Journal of Fluorescence, 2009, 19, 1017-1023.	2.5	6
43	Evaluation of the Electrochemical Impedance Measurement of Mild Steel Corrosion in an Acidic Medium, in the Presence of Quaternary Ammonium Bromides. Portugaliae Electrochimica Acta, 2018, 36, 423-435.	1.1	6
44	Cyanine dyes as fluorescent non-covalent labels for nucleic acid research. , 2006, , 137-183.		5
45	Precious metal-free molecular machines for solar thermal energy storage. Beilstein Journal of Organic Chemistry, 2019, 15, 1096-1106.	2.2	5
46	Polycationic Monomeric and Homodimeric Asymmetric Monomethine Cyanine Dyes with Hydroxypropyl Functionalityâ€"Strong Affinity Nucleic Acids Binders. Biomolecules, 2021, 11, 1075.	4.0	5
47	Theoretical Modeling of Absorption and Fluorescent Characteristics of Cyanine Dyes. Photochem, 2022, 2, 202-216.	2.2	5
48	A novel general method for fast and easy preparation of cationic, neutral dimethinehemicyanine and dimethine dyes by uncatalysed Knoevenagel condensation. Coloration Technology, 2012, 128, 417-424.	1.5	4
49	The dimerization study of some cationic monomethine cyanine dyes by chemometrics method. Russian Journal of Physical Chemistry A, 2012, 86, 1974-1981.	0.6	4
50	Fluorescence Study of the Membrane Effects of Aggregated Lysozyme. Journal of Fluorescence, 2013, 23, 1229-1237.	2.5	4
51	Bright fluorescent ds<scp>DNA</scp> probes: novel polycationic asymmetric monomethine cyanine dyes based on thiazolopyridineâ€quinolinium chromophore. Coloration Technology, 2015, 131, 94-103.	1.5	4
52	Assembly of New Merocyanine Chromophores with a 1,8-Naphthalimide Core by a New Method for the Synthesis of the Methine Function. Australian Journal of Chemistry, 2015, 68, 1399.	0.9	4
53	Accumulation of the photonic energy of the deep-red part of the terrestrial sun irradiation by rare-earth metal-free Eâ€"Z photoisomerization. Journal of Materials Chemistry C, 2021, 9, 7119-7126.	5.5	4
54	Tetrathienothiophene Porphyrin as a Metal-Free Sensitizer for Room-Temperature Tripletâ€"Triplet Annihilation Upconversion. Frontiers in Chemistry, 2022, 10, 809863.	3.6	4

#	Article	IF	Citations
55	Novel fluorescent dyes for single DNA molecule techniques. Molecular Imaging, 2013, 12, 90-9.	1.4	3
56	Lipid bilayer interactions of Eu(III) tris-Î²-diketonato coordination complex. Chemical Physics Letters, 2008, 457, 417-420.	2.6	2
57	Optical modeling of bulk-heterojunction organic solar cells based on squarine dye as electron donor. Journal of Physics: Conference Series, 2014, 558, 012052.	0.4	2
58	Fluorescence sensing technology for the rapid detection of haze-forming proteins in white wine. Food Chemistry, 2022, 374, 131770.	8.2	2
59	Stability and Self-Association of styryl hemicyanine dyes in water studied by 1H NMR spectroscopy. Journal of Molecular Liquids, 2022, 352, 118678.	4.9	2
60	Styryl Hemicyanine Dye (E)-3-Methyl-2-(4-thiomorpholinostyryl)benzo[d]thiazol-3-ium Iodide for Nucleic Acids and Cell Nucleoli Visualization. MolBank, 2022, 2022, M1392.	0.5	2
61	Fluorescent Dyes for Bio-Applications in the Patent Literature. Recent Patents on Materials Science, 2013, 6, 81-119.	0.5	1
62	Optical properties of thin merocyanine dye layers for photovoltaic applications. Journal of Physics: Conference Series, 2014, 514, 012019.	0.4	0
63	The impact of active layer nanomorphology on the efficiency of organic solar cells based on a squaraine dye electron donor. Journal of Physics: Conference Series, 2016, 700, 012052.	0.4	0
64	Ultrasonic Synthesis and Preliminary Evaluation of Anticoronaviral Activity of 6,7-Dimethoxy-4-(4-(4-methoxyphenyl)piperazin-1-yl)-1-methylquinolin-1-ium Iodide. MolBank, 2022, 2022, M1400.	0.5	0