

# Aleksey A Vasilev

## List of Publications by Year in descending order

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64  
papers

1,356  
citations

361413  
20  
h-index

361022  
35  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1518  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescence sensing technology for the rapid detection of haze-forming proteins in white wine. Food Chemistry, 2022, 374, 131770.	8.2	2
2	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
3	Theoretical Modeling of Absorption and Fluorescent Characteristics of Cyanine Dyes. Photochem, 2022, 2, 202-216.	2.2	5
4	Tetrathienothiophene Porphyrin as a Metal-Free Sensitizer for Room-Temperature Triplet-Triplet Annihilation Upconversion. Frontiers in Chemistry, 2022, 10, 809863.	3.6	4
5	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
6	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
7	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
8	Accumulation of the photonic energy of the deep-red part of the terrestrial sun irradiation by rare-earth metal-free $E \rightarrow Z$ photoisomerization. Journal of Materials Chemistry C, 2021, 9, 7119-7126.	5.5	4
9	Polycationic Monomeric and Homodimeric Asymmetric Monomethine Cyanine Dyes with Hydroxypropyl Functionality-Strong Affinity Nucleic Acids Binders. Biomolecules, 2021, 11, 1075.	4.0	5
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	Precious metal-free molecular machines for solar thermal energy storage. Beilstein Journal of Organic Chemistry, 2019, 15, 1096-1106.	2.2	5
13	Cyanine dyes derived inhibition of insulin fibrillization. Journal of Molecular Liquids, 2019, 276, 541-552.	4.9	28
14	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
15	Halogen-containing thiazole orange analogues - new fluorogenic DNA stains. Beilstein Journal of Organic Chemistry, 2017, 13, 2902-2914.	2.2	18
16	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
17	Bright fluorescent dsDNA probes: novel polycationic asymmetric monomethine cyanine dyes based on thiazolopyridine-quinolinium chromophore. Coloration Technology, 2015, 131, 94-103.	1.5	4
18	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

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19	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
20	Optical properties of thin merocyanine dye layers for photovoltaic applications. Journal of Physics: Conference Series, 2014, 514, 012019.	0.4	0
21	Optical modeling of bulk-heterojunction organic solar cells based on squaraine dye as electron donor. Journal of Physics: Conference Series, 2014, 558, 012052.	0.4	2
22	Fluorescence Study of the Membrane Effects of Aggregated Lysozyme. Journal of Fluorescence, 2013, 23, 1229-1237.	2.5	4
23	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
24	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
25	Fluorescent Dyes for Bio-Applications in the Patent Literature. Recent Patents on Materials Science, 2013, 6, 81-119.	0.5	1
26	Novel Fluorescent Dyes for Single DNA Molecule Techniques. Molecular Imaging, 2013, 12, 7290.2012.00018.	1.4	8
27	Novel fluorescent dyes for single DNA molecule techniques. Molecular Imaging, 2013, 12, 90-9.	1.4	3
28	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
29	Detailed study of N,N'-bis(diisopropylphenyl)-terrylene-3,4:11,12-bis(dicarboximide) as electron acceptor for solar cells application. Synthetic Metals, 2012, 161, 2669-2676.	3.9	11
30	Enhanced Intramolecular Charge Transfer in New Type Donor-Acceptor Substituted Perylenes. Journal of Physical Chemistry C, 2012, 116, 22711-22719.	3.1	18
31	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
32	Kinetic Differentiation between Homo- and Alternating AT DNA by Sterically Restricted Phosphonium Dyes. Chemistry - A European Journal, 2012, 18, 3859-3864.	3.3	24
33	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
34	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
35	Synthesis of novel tetracationic asymmetric monomeric monomethine cyanine dyes - 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

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37	A novel general method for preparation of neutral monomethine cyanine dyes. Dyes and Pigments, 2011, 90, 170-176.	3.7	13
38	New fluorescent probes for detection and characterization of amyloid fibrils. Chemical Physics Letters, 2010, 495, 275-279.	2.6	34
39	Novel environmentally benign procedure for the synthesis of 2-aryl- and 2-hetaryl-4(3H)-quinazolinones. Coloration Technology, 2010, 126, 24-30.	1.5	13
40	Styryl dyes – synthesis and applications during the last 15 years. Coloration Technology, 2010, 126, 55-80.	1.5	86
41	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
42	Synthesis and Spectral Properties of Novel Fluorescent Poly(oxyethylene Phosphate) Tris(Î <sup>2</sup> -diketonate) Europium (III) Complexes. Journal of Fluorescence, 2009, 19, 85-95.	2.5	8
43	A Novel Squarylium Dye for Monitoring Oxidative Processes in Lipid Membranes. Journal of Fluorescence, 2009, 19, 1017-1023.	2.5	6
44	Novel environmentally benign procedures for the synthesis of styryl dyes. Dyes and Pigments, 2008, 77, 550-555.	3.7	18
45	Lipid bilayer interactions of Eu(III) tris-Î <sup>2</sup> -diketonato coordination complex. Chemical Physics Letters, 2008, 457, 417-420.	2.6	2
46	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
47	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
48	Structure–Fluorescence Contrast Relationship in Cyanine DNA Intercalators: Toward Rational Dye Design. Chemistry - A European Journal, 2007, 13, 8600-8609.	3.3	45
49	A green synthesis of isatoic anhydrides from isatins with urea–hydrogen peroxide complex and ultrasound. Ultrasonics Sonochemistry, 2007, 14, 497-501.	8.2	26
50	Fluorescence study of protein–lipid complexes with a new symmetric squarylium probe. Biophysical Chemistry, 2007, 128, 75-86.	2.8	27
51	Synthesis of novel monomeric cyanine dyes containing 2-hydroxypropyl and 3-chloro-2-hydroxypropyl substituents – Noncovalent labels for nucleic acids. Dyes and Pigments, 2007, 73, 69-75.	3.7	11
52	Synthesis of novel cyanine dyes containing carbamoyl ethyl component – Noncovalent labels for nucleic acids detection. Dyes and Pigments, 2007, 74, 320-328.	3.7	17
53	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
54	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

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55	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
56	Ultrafast Excited-State Dynamics of DNA Fluorescent Intercalators: A New Insight into the Fluorescence Enhancement Mechanism. Journal of the American Chemical Society, 2006, 128, 7661-7669.	13.7	140
57	Cyanine dyes as fluorescent non-covalent labels for nucleic acid research. , 2006, , 137-183.		5
58	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
59	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
60	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
61	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
62	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
63	Phosphonylmethylaminocyclopentane-1-carboxylic acid. Heteroatom Chemistry, 2003, 14, 229-230.	0.7	10
64	Functionalization of poly(oxyethylene phosphonate) under phase-transfer catalyst conditions. Polymer, 2003, 44, 1987-1993.	3.8	23