

# Aleksey A Vasilev

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

1,356  
citations

361045

20  
h-index

360668

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. <i>Food Chemistry</i> , 2022, 374, 131770.  | 4.2 | 2         |
| 2  | Stability and Self-Association of styryl hemicyanine dyes in water studied by <sup>1</sup> H NMR spectroscopy. <i>Journal of Molecular Liquids</i> , 2022, 352, 118678.   | 2.3 | 2         |
| 3  | Theoretical Modeling of Absorption and Fluorescent Characteristics of Cyanine Dyes. <i>Photochem</i> , 2022, 2, 202-216.  | 1.3 | 5         |
| 4  | Tetrathienothiophene Porphyrin as a Metal-Free Sensitizer for Room-Temperature Triplet-Triplet Annihilation Upconversion. <i>Frontiers in Chemistry</i> , 2022, 10, 809863.                                       | 1.8 | 4         |
| 5  | Styryl Hemicyanine Dye (E)-3-Methyl-2-(4-thiomorpholinostyryl)benzo[d]thiazol-3-ium Iodide for Nucleic Acids and Cell Nucleoli Visualization. <i>MolBank</i> , 2022, 2022, M1392.                                 | 0.2 | 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. <i>MolBank</i> , 2022, 2022, M1400.             | 0.2 | 0         |
| 7  | Styryl dyes with N-Methylpiperazine and N-Phenylpiperazine Functionality: AT-DNA and G-quadruplex binding ligands and theranostic agents. <i>Bioorganic Chemistry</i> , 2022, 127, 105999.                        | 2.0 | 9         |
| 8  | Accumulation of the photonic energy of the deep-red part of the terrestrial sun irradiation by rare-earth metal-free <i>E</i> -photoisomerization. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7119-7126.  | 2.7 | 4         |
| 9  | Polycationic Monomeric and Homodimeric Asymmetric Monomethine Cyanine Dyes with Hydroxypropyl Functionality—Strong Affinity Nucleic Acids Binders. <i>Biomolecules</i> , 2021, 11, 1075.                          | 1.8 | 5         |
| 10 | 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.                             | 2.0 | 9         |
| 11 | 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.      | 2.0 | 14        |
| 12 | Precious metal-free molecular machines for solar thermal energy storage. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1096-1106.   | 1.3 | 5         |
| 13 | Cyanine dyes derived inhibition of insulin fibrillization. <i>Journal of Molecular Liquids</i> , 2019, 276, 541-552.  | 2.3 | 28        |
| 14 | Evaluation of the Electrochemical Impedance Measurement of Mild Steel Corrosion in an Acidic Medium, in the Presence of Quaternary Ammonium Bromides. <i>Portugaliae Electrochimica Acta</i> , 2018, 36, 423-435. | 0.4 | 6         |
| 15 | Halogen-containing thiazole orange analogues—new fluorogenic DNA stains. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2902-2914.   | 1.3 | 18        |
| 16 | The impact of active layer nanomorphology on the efficiency of organic solar cells based on a squaraine dye electron donor. <i>Journal of Physics: Conference Series</i> , 2016, 700, 012052.                     | 0.3 | 0         |
| 17 | Bright fluorescent dsDNA probes: novel polycationic asymmetric monomethine cyanine dyes based on thiazolopyridine-quinolinium chromophore. <i>Coloration Technology</i> , 2015, 131, 94-103.                      | 0.7 | 4         |
| 18 | Assembly of New Merocyanine Chromophores with a 1,8-Naphthalimide Core by a New Method for the Synthesis of the Methine Function. <i>Australian Journal of Chemistry</i> , 2015, 68, 1399.                        | 0.5 | 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. <i>Corrosion Science</i> , 2015, 94, 70-78.           | 3.0 | 75        |
| 20 | Optical properties of thin merocyanine dye layers for photovoltaic applications. <i>Journal of Physics: Conference Series</i> , 2014, 514, 012019.   | 0.3 | 0         |
| 21 | Optical modeling of bulk-heterojunction organic solar cells based on squaraine dye as electron donor. <i>Journal of Physics: Conference Series</i> , 2014, 558, 012052.  | 0.3 | 2         |
| 22 | Fluorescence Study of the Membrane Effects of Aggregated Lysozyme. <i>Journal of Fluorescence</i> , 2013, 23, 1229-1237.   | 1.3 | 4         |
| 23 | New fluorogenic dyes for analysis of cellular processes by flow cytometry and confocal microscopy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 129, 125-134.  | 1.7 | 10        |
| 24 | Probing the Structural Properties of DNA/RNA Grooves with Sterically Restricted Phosphonium Dyes: Screening of Dye Cytotoxicity and Uptake. <i>ChemMedChem</i> , 2013, 8, 1093-1103.   | 1.6 | 24        |
| 25 | Fluorescent Dyes for Bio-Applications in the Patent Literature. <i>Recent Patents on Materials Science</i> , 2013, 6, 81-119.  | 0.5 | 1         |
| 26 | Novel Fluorescent Dyes for Single DNA Molecule Techniques. <i>Molecular Imaging</i> , 2013, 12, 7290.2012.00018.   | 0.7 | 8         |
| 27 | Novel fluorescent dyes for single DNA molecule techniques. <i>Molecular Imaging</i> , 2013, 12, 90-9.  | 0.7 | 3         |
| 28 | A novel general method for fast and easy preparation of cationic, neutral dimethinehemicyanine and dimethine dyes by uncatalysed Knoevenagel condensation. <i>Coloration Technology</i> , 2012, 128, 417-424.                | 0.7 | 4         |
| 29 | Detailed study of N,N <sup>2</sup> -(diisopropylphenyl)-terrylene-3,4:11,12-bis(dicarboximide) as electron acceptor for solar cells application. <i>Synthetic Metals</i> , 2012, 161, 2669-2676.                             | 2.1 | 11        |
| 30 | Enhanced Intramolecular Charge Transfer in New Type Donor-Acceptor Substituted Perylenes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22711-22719.   | 1.5 | 18        |
| 31 | The dimerization study of some cationic monomethine cyanine dyes by chemometrics method. <i>Russian Journal of Physical Chemistry A</i> , 2012, 86, 1974-1981.   | 0.1 | 4         |
| 32 | Kinetic Differentiation between Homo- and Alternating AT DNA by Sterically Restricted Phosphonium Dyes. <i>Chemistry - A European Journal</i> , 2012, 18, 3859-3864.   | 1.7 | 24        |
| 33 | Mono- and dicationic benzothiazolic quaternary ammonium bromides as mild steel corrosion inhibitors. Part I: Gravimetric and voltammetric results. <i>Corrosion Science</i> , 2011, 53, 679-686.                             | 3.0 | 42        |
| 34 | Mono- and dicationic benzothiazolic quaternary ammonium bromides as mild steel corrosion inhibitors. Part II: Electrochemical impedance and polarisation resistance results. <i>Corrosion Science</i> , 2011, 53, 1770-1777. | 3.0 | 92        |
| 35 | Synthesis of novel tetracationic asymmetric monomeric monomethine cyanine dyes - highly fluorescent dsDNA probes. <i>Coloration Technology</i> , 2011, 127, 69-74.   | 0.7 | 10        |
| 36 | Fluorescence Study of Lipid Bilayer Interactions of Eu(III) Coordination Complexes. <i>Journal of Fluorescence</i> , 2011, 21, 1689-1695.  | 1.3 | 10        |

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|----|--|-----|-----------|
| 37 | A novel general method for preparation of neutral monomethine cyanine dyes. <i>Dyes and Pigments</i> , 2011, 90, 170-176.  | 2.0 | 13        |
| 38 | New fluorescent probes for detection and characterization of amyloid fibrils. <i>Chemical Physics Letters</i> , 2010, 495, 275-279.  | 1.2 | 34        |
| 39 | Novel environmentally benign procedure for the synthesis of 2-aryl- and 2-hetaryl-quinazolinones. <i>Coloration Technology</i> , 2010, 126, 24-30.   | 0.7 | 13        |
| 40 | Styryl dyes – synthesis and applications during the last 15 years. <i>Coloration Technology</i> , 2010, 126, 55-80.  | 0.7 | 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.              | 0.8 | 30        |
| 42 | Synthesis and Spectral Properties of Novel Fluorescent Poly(oxyethylene Phosphate) Tris( $\beta^2$ -diketonate) Europium (III) Complexes. <i>Journal of Fluorescence</i> , 2009, 19, 85-95.                    | 1.3 | 8         |
| 43 | A Novel Squarylium Dye for Monitoring Oxidative Processes in Lipid Membranes. <i>Journal of Fluorescence</i> , 2009, 19, 1017-1023.  | 1.3 | 6         |
| 44 | Novel environmentally benign procedures for the synthesis of styryl dyes. <i>Dyes and Pigments</i> , 2008, 77, 550-555.  | 2.0 | 18        |
| 45 | Lipid bilayer interactions of Eu(III) tris- $\beta^2$ -diketonato coordination complex. <i>Chemical Physics Letters</i> , 2008, 457, 417-420.  | 1.2 | 2         |
| 46 | Inhibitive properties of quaternary ammonium bromides of N-containing heterocycles on acid mild steel corrosion. Part I: Gravimetric and voltammetric results. <i>Corrosion Science</i> , 2007, 49, 3276-3289. | 3.0 | 77        |
| 47 | Inhibitive properties of quaternary ammonium bromides of N-containing heterocycles on acid mild steel corrosion. Part II: EIS results. <i>Corrosion Science</i> , 2007, 49, 3290-3302.                         | 3.0 | 139       |
| 48 | Structure–Fluorescence Contrast Relationship in Cyanine DNA Intercalators: Toward Rational Dye Design. <i>Chemistry - A European Journal</i> , 2007, 13, 8600-8609.  | 1.7 | 45        |
| 49 | A green synthesis of isatoic anhydrides from isatins with urea–hydrogen peroxide complex and ultrasound. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 497-501.   | 3.8 | 26        |
| 50 | Fluorescence study of protein–lipid complexes with a new symmetric squarylium probe. <i>Biophysical Chemistry</i> , 2007, 128, 75-86.  | 1.5 | 27        |
| 51 | Synthesis of novel monomeric cyanine dyes containing 2-hydroxypropyl and 3-chloro-2-hydroxypropyl substituents – Noncovalent labels for nucleic acids. <i>Dyes and Pigments</i> , 2007, 73, 69-75.             | 2.0 | 11        |
| 52 | Synthesis of novel cyanine dyes containing carbamoyl ethyl component – Noncovalent labels for nucleic acids detection. <i>Dyes and Pigments</i> , 2007, 74, 320-328.   | 2.0 | 17        |
| 53 | Synthesis and properties of novel asymmetric monomethine cyanine dyes as non-covalent labels for nucleic acids. <i>Dyes and Pigments</i> , 2007, 75, 466-473.  | 2.0 | 21        |
| 54 | Synthesis of novel monomeric asymmetric tri- and tetracationic monomethine cyanine dyes as fluorescent non-covalent nucleic acid labels. <i>Dyes and Pigments</i> , 2007, 75, 658-663.                         | 2.0 | 17        |

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|----|--|-----|-----------|
| 55 | Synthesis of novel monomeric and homodimeric cyanine dyes with thioacetyl substituents for nucleic acid detection. <i>Dyes and Pigments</i> , 2007, 72, 28-32.   | 2.0 | 18        |
| 56 | Ultrafast Excited-State Dynamics of DNA Fluorescent Intercalators: A New Insight into the Fluorescence Enhancement Mechanism. <i>Journal of the American Chemical Society</i> , 2006, 128, 7661-7669.  | 6.6 | 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. <i>Medicinal Chemistry</i> , 2006, 2, 439-445. | 0.7 | 22        |
| 59 | Synthesis of novel monomeric cyanine dyes containing mercapto and thioacetyl substituents for nucleic acid detection. <i>Dyes and Pigments</i> , 2006, 70, 185-191.                                    | 2.0 | 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. <i>Dyes and Pigments</i> , 2005, 66, 135-142.       | 2.0 | 29        |
| 61 | Synthesis of novel intermediates for cyanine dyes by the quaternization of -heterocycles with acrylamide and -alkyl acrylamides. <i>Dyes and Pigments</i> , 2005, 67, 21-26.                           | 2.0 | 10        |
| 62 | Homodimeric monomethine cyanine dyes SOSO-1 and TOTO-1-6Câ€™ synthesis and fluorescence properties in the presence of nucleic acids. <i>Dyes and Pigments</i> , 2004, 61, 79-84.                       | 2.0 | 16        |
| 63 | Phosphonylmethylaminocyclopentane-1-carboxylic acid. <i>Heteroatom Chemistry</i> , 2003, 14, 229-230.  | 0.4 | 10        |
| 64 | Functionalization of poly(oxyethylene phosphonate) under phase-transfer catalyst conditions. <i>Polymer</i> , 2003, 44, 1987-1993.   | 1.8 | 23        |