

# Andrey O Doroshenko

## List of Publications by Year in descending order

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80  
papers

1,642  
citations

331670

21  
h-index

315739

38  
g-index

81  
all docs

81  
docs citations

81  
times ranked

1530  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flavonols and Crown-Flavonols as Metal Cation Chelators. The Different Nature of Ba <sup>2+</sup> and Mg <sup>2+</sup> Complexes. <i>Journal of Physical Chemistry A</i> , 1998, 102, 5907-5914.	2.5	151
2	Excited state intramolecular proton transfer reaction and luminescent properties of the ortho-hydroxy derivatives of 2,5-diphenyl-1,3,4-oxadiazole. <i>Journal of Physical Organic Chemistry</i> , 2000, 13, 253-265.	1.9	86
3	Flavonols as metal-ion chelators: complex formation with Mg <sup>2+</sup> and Ba <sup>2+</sup> cations in the excited state. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999, 127, 89-100.	3.9	81
4	Title is missing!. <i>Journal of Fluorescence</i> , 2003, 13, 235-248.	2.5	73
5	Synthesis of water-soluble, ring-substituted squaraine dyes and their evaluation as fluorescent probes and labels. <i>Analytica Chimica Acta</i> , 2006, 570, 214-223.	5.4	72
6	Photoinduced energy electron transfer studies with naphthalene diimides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 135, 103-110.	3.9	65
7	Spectral properties and dynamics of the excited state structural relaxation of the ortho analogues of POPOP Effective abnormally large Stokes shift luminophores. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1996, 94, 15-26.	3.9	60
8	Bands separation in fluorescence spectra of ketocyanine dyes: evidence for their complex formation with monohydric alcohols. <i>Chemical Physics Letters</i> , 2000, 325, 389-398.	2.6	58
9	Radiationless deactivation of the excited phototautomer form and molecular structure of ES IPT-compounds. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 92-99.	2.9	57
10	Title is missing!. <i>Molecular Engineering</i> , 1998, 8, 199-215.	0.2	56
11	Fluorescence quenching of the ketocyanine dyes in polar solvents: anti-TICT behavior. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 156, 55-64.	3.9	56
12	Fluorescence Probing of Cell Membranes with Azacrown Substituted Ketocyanine Dyes. <i>Journal of Fluorescence</i> , 2002, 12, 455-464.	2.5	40
13	Preparation, structure, and a coarse-grained molecular dynamics model for dodecanethiol-stabilized gold nanoparticles. <i>Computational and Theoretical Chemistry</i> , 2011, 977, 34-39.	2.5	40
14	Partitioning of 2,6-Bis(1H-Benzimidazol-2-yl)pyridine fluorophore into a phospholipid bilayer: Complementary use of fluorescence quenching studies and molecular dynamics simulations. <i>Biophysical Chemistry</i> , 2011, 154, 8-17.	2.8	40
15	Fluorescence Probing of Thiol-Functionalized Gold Nanoparticles: Is Alkylthiol Coating of a Nanoparticle as Hydrophobic as Expected?. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21059-21068.	3.1	33
16	Structure and Luminescent Properties of the 4-Arylidene-2-Aryl-5-Oxazolones (Azlactones) in Solution and Crystalline State. <i>Spectroscopy Letters</i> , 1999, 32, 553-569.	1.0	32
17	Mercury Ions Complexation with a Series of Heterocyclic Derivatives of 3-Hydroxychromone: Spectral Effects and Prospects for Ultrasensitive Hg <sup>2+</sup> Probing. <i>Journal of Physical Chemistry A</i> , 2011, 115, 4223-4230.	2.5	30
18	Photophysical and photochemical properties of a water-soluble perylene diimide derivative. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 136, 15-24.	3.9	26

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19	New fluorescent dye of dibenzalicyclopentanone series possessing increased solvatochromism and energy gap law-regulated fluorescence quenching in polar solvents. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 163, 95-102.	3.9	24
20	Pyrazolyl 3-hydroxychromones: Regulation of ESIPT reaction by the flavonol-like intramolecular hydrogen bonding to carbonyl group oxygen, which dominates over the alternative H-bond to heterocyclic nitrogen. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 209, 163-173.	3.9	24
21	Nature of dual fluorescence in 2-(quinolin-2-yl)-3-hydroxychromone: Tuning between concurrent H-bond directions and ESIPT pathways. <i>Journal of Luminescence</i> , 2011, 131, 253-261.	3.1	24
22	New benzimidazolic 3-hydroxychromone derivative with two alternative mechanisms of the excited state intramolecular proton transfer reaction. <i>Journal of Molecular Structure</i> , 2008, 882, 63-69.	3.6	23
23	Molecular spectroscopy studies of solvent properties of dispersed water pools™: Fluorescein and 2,7-dichlorofluorescein in reversed AOT-based microemulsions. <i>Journal of Molecular Liquids</i> , 2010, 157, 105-112.	4.9	22
24	New and efficient high Stokes shift fluorescent compounds: unsymmetrically substituted 1,2-bis-(5-phenyloxazol-2-yl)benzenes via microwave-assisted nucleophilic substitution of fluorine. <i>Tetrahedron Letters</i> , 2011, 52, 5086-5089.	1.4	21
25	Title is missing!. <i>Russian Chemical Bulletin</i> , 2001, 50, 404-412.	1.5	20
26	Design, Synthesis, and Spectral Luminescent Properties of a Novel Polycarbocyanine Series Based on the 2,2-difluoro-1,3-dioxaborine Nucleus. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 1550-1558.	2.4	20
27	New 1,3,5-triphenyl-2-pyrazoline-containing 3-hydroxychromones as highly solvatochromic ratiometric polarity probes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 200, 426-431.	3.9	19
28	N-ethyl substituted 2-benzimidazolyl-3-hydroxychromone: Atypical to highly fluorescent dyes of flavonol series excited state intramolecular proton transfer to nitrogen. <i>Journal of Luminescence</i> , 2020, 223, 117206.	3.1	19
29	Absorption, fluorescence, and acid-base equilibria of rhodamines in micellar media of sodium dodecyl sulfate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 170, 138-144.	3.9	18
30	Bichromophoric fluorescent dyes with rigid molecular structure: fluorescence ability regulation by the photoinduced intramolecular electron transfer. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 165, 59-68.	3.9	17
31	Structurally Rigid 2,6-distyrylpyridines – A New Class of Fluorescent Dyes. 1. Synthesis, Steric Constitution and Spectral Properties. <i>Journal of Fluorescence</i> , 2003, 13, 479-487.	2.5	16
32	Photosensitization of titanium dioxide with 4-dimethylaminoflavonol. <i>Materials Science in Semiconductor Processing</i> , 2016, 42, 62-65.	4.0	16
33	Heterogeneous polarity and surface acidity of silica-organic materials with fixed 1-n-propyl-3-methylimidazolium chloride as probed by solvatochromic and fluorescent dyes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 280-286.	4.7	15
34	Molecular structure, fluorescent properties and dynamics of excited state structural relaxation of the oxadiazolic ortho -analog of POPOP with the additional sterical hindrance. <i>Journal of Molecular Structure</i> , 2000, 524, 289-296.	3.6	14
35	Derivatives of 2-pyrazoline-products of 1,5-diaminotetrazole interaction with chalcone: Molecular structure and spectral properties. <i>Journal of Molecular Structure</i> , 2006, 785, 114-122.	3.6	14
36	Structure of sterically hindered aryl derivatives of five-membered nitrogen containing heterocyclic ortho-analogs of POPOP. <i>Molecular Engineering</i> , 1994, 3, 353-363.	0.2	13

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37	Title is missing!. Journal of Fluorescence, 2000, 10, 41-48.	2.5	13
38	Tautomerism of acridin-9-amines substituted at the exocyclic nitrogen atom: Spectroscopic investigations and theoretical studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 66, 1016-1023.	3.9	13
39	2-(benzimidazol-2-yl)-3-hydroxychromone derivatives: spectroscopic properties and a possible alternative intramolecular proton phototransfer. Open Chemistry, 2008, 6, 443-449.	1.9	13
40	Excited state intramolecular proton transfer reaction revisited: S1 state or general reversibility?. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 250, 40-49.	3.9	13
41	4-Nitroflavonol fluorescence: Excited state intramolecular proton transfer reaction from the non-emissive excited state. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 406, 112978.	3.9	12
42	Conformational analysis of some 1R,4S-2-arylidene-p-menthan-3-ones by 1H NMR spectroscopy and molecular simulation. Magnetic Resonance in Chemistry, 2002, 40, 566-572.	1.9	11
43	Fluorescence behavior of chromones containing several protolytic centers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 65, 397-405.	3.9	11
44	1,4-bis-(3-hydroxy-4-oxo-4H-chromen-2-yl)-benzene (bis-flavonol): synthesis, spectral properties and principle possibility of the excited state double proton transfer reaction. Open Chemistry, 2012, 10, 205-215.	1.9	11
45	2,5-bis[2-(2-phenyl-1,3-oxazol-5-yl)phenyl]-1,3,4-oxadiazole – new sterically hindered high Stokes shift fluorophore sensitive to media viscosity. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 298, 68-77.	3.9	11
46	Fluorescence quenching in bichromophoric systems with nonconjugated chromophores: 5-substituted derivatives of 1,3,5-triaryl-2-pyrazoline. Journal of Fluorescence, 1997, 7, 131-138.	2.5	9
47	Proton phototransfer in a series of ortho-hydroxy derivatives of 2,5-diaryl-1,3-oxazole and 2,5-diaryl-1,3,4-oxadiazole in polystyrene films. Theoretical and Experimental Chemistry, 1999, 35, 334-337.	0.8	9
48	Spectral properties and applications of the new 7H-benzo[de]pyrazolo[5,1-a]isoquinolin-7-ones. Journal of Luminescence, 2003, 102-103, 119-124.	3.1	9
49	Comments on the paper “ESIPT from S2 singlet state in 3-hydroxyflavone” by V.I. Tomin and R. Jaworski [J. Mol. Struct. 924 (2009) 461-465]. Journal of Molecular Structure, 2009, 933, 169-171.	3.6	9
50	Fluorescence of aminofluoresceins as an indicative process allowing one to distinguish between micelles of cationic surfactants and micelle-like aggregates. Methods and Applications in Fluorescence, 2016, 4, 034002.	2.3	9
51	Structure and basicity of 1,2,5-triphenyltriazole-1,3,4 derivatives. Molecular Engineering, 1994, 3, 343-352.	0.2	8
52	4-Methoxy-3-hydroxyflavone excited state intramolecular proton transfer reaction in alcoholic solutions: Intermolecular versus intramolecular hydrogen bonding effect. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 383, 111964.	3.9	8
53	Spectral and luminescence properties of derivatives of 2-aryl[9,10]phenanthroxazole. Chemistry of Heterocyclic Compounds, 1995, 31, 492-499.	1.2	6
54	Molecular structure of unsubstituted oxadiazolic analog of ortho-POPOP and peculiarities of conformational structure of this class of sterically hindered organic compounds. Journal of Molecular Structure, 2002, 609, 29-37.	3.6	6

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55	New fluorenocrownophanes containing azobenzene: synthesis, properties and interaction with paraquat. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 81, 499-508.	1.6	6
56	Title is missing!. <i>Chemistry of Heterocyclic Compounds</i> , 2001, 37, 633-644.	1.2	5
57	Conformations of Z- and E-isomers of some chiral (1R,4R)-2-arylidene-p-menthan-3-ones. <i>Russian Chemical Bulletin</i> , 2001, 50, 1596-1604.	1.5	5
58	Stepwise photoinduced transformation of fused aziridines via stable biradicals and azomethine ylides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 469-476.	3.9	5
59	<title>New chiral E and Z isomers of the 1R,4R-2-arylidene-p-menthan-3-ones in induced cholesteric and ferroelectric liquid crystals</title>. , 2001, , .		4
60	Facile ultrasensitive monitoring of mercury ions in water by fluorescent ratiometric detection. <i>Open Chemistry</i> , 2013, 11, 584-593.	1.9	4
61	Photoreactive fused aziridinylpiperazines on the background of 4-substituted chalcones and their benzimidazolic analogs. <i>Journal of Molecular Structure</i> , 2019, 1180, 741-746.	3.6	4
62	Luminescence-spectral characteristics of nitro derivatives of 1(2H)-isoquinolone. <i>Theoretical and Experimental Chemistry</i> , 1989, 24, 581-586.	0.8	3
63	Synthesis, acid-base and spectral properties of 3-(benzimidazol-2-yl)-2-phenylimino-2H-chromenes. <i>Russian Chemical Bulletin</i> , 2002, 51, 2070-2073.	1.5	3
64	Heterogeneous Wide Range pH-sensing Materials Allowing Ratiometric Fluorescence Detection Based on Structurally Rigid Analogs of 2,6-distyrylpyridine. <i>Journal of Fluorescence</i> , 2010, 20, 115-124.	2.5	3
65	High Stokes shift long-wavelength energy gap regulated fluorescence in the series of nitro/dimethylamino-substituted ortho-analogs of POPOP. <i>Open Chemistry</i> , 2011, 9, 962-971.	1.9	3
66	5-[4-(N,N-Dimethylamino)Phenyl]-2-(4-Pyridyl)-1,3-Oxazole as a Fluorescent Probe for Monitoring Microheterogeneous Media. <i>Chemistry of Heterocyclic Compounds</i> , 2014, 50, 379-388.	1.2	3
67	Stability of Rhodamine Lactone Cycle in Solutions: Chainâ€“Ring Tautomerism, Acidâ€“Base Equilibria, Interaction with Lewis Acids, and Fluorescence. <i>Colorants</i> , 2022, 1, 58-90.	1.5	3
68	Interpretation of the electronic absorption spectra of anthracene analogs of chalcone. <i>Theoretical and Experimental Chemistry</i> , 1984, 20, 141-146.	0.8	2
69	Theoretical approach to the problem of finding effective luminophors in the isocarbostyryl series. <i>Theoretical and Experimental Chemistry</i> , 1989, 24, 460-464.	0.8	2
70	MOLECULAR STRUCTURE AND PHOTOPHYSICS OF N-QUATERNARY DIARYLOXAZOLIUM SALTS. <i>Spectroscopy Letters</i> , 2002, 35, 171-181.	1.0	2
71	Spectral and Acidâ€“Base Properties of Arylidene Derivatives of Dicyclopentano[b,e]pyridines Serving as Fluorescent pH-Indicators. <i>Theoretical and Experimental Chemistry</i> , 2004, 40, 266-271.	0.8	2
72	Fluorescent properties of pyrene- $\beta$ -cyclodextrin inclusion complexes in titanium-silica sols. <i>Colloid Journal</i> , 2006, 68, 236-240.	1.3	2

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73	Far-red polyurethane-host solid-state dye laser. <i>Quantum Electronics</i> , 2009, 39, 789-792.	1.0	2
74	Hydrazine-1-carbonitriles: new synthesis approach to and reactions with carbonyl compounds. <i>Monatshefte für Chemie</i> , 2009, 140, 1337-1342.	1.8	2
75	Photochromic and Thermochromic Spirans 41*. Quantum-Chemical Study of the Geometry and Electronic Structure of 1,3,3-Trimethyl-1,2-Diphenylspiro[Indoline-2,7-Furo[3,2-f]Chromene] in the Ground and Excited States. <i>Chemistry of Heterocyclic Compounds</i> , 2014, 50, 364-370.	1.2	1
76	Spectral-luminescent properties of oxazole derivatives with annelated aromatic and heterocyclic rings in neutral and acid media. <i>Theoretical and Experimental Chemistry</i> , 1993, 28, 269-273.	0.8	0
77	Structure and spectroluminescence properties of derivatives of 1,8-naphthoylene-1',2-benzimidazole with substituents of various electronic types. <i>Chemistry of Heterocyclic Compounds</i> , 1995, 31, 557-562.	1.2	0
78	Anisotropy of optical properties of KDP single crystals with organic dye. , 0, , .		0
79	Protolytic properties of the structurally rigid analogs of 2,6-distyrylpyridine. Widening the pH sensitivity range by the photochemical E <sub>1</sub> Z isomerisation and introduction of substituents capable to protolytic interactions. <i>Open Chemistry</i> , 2010, 8, 766-782.	1.9	0
80	5-(4-Fluorophenyl)-2-[2-(5-phenyl-1,3-oxazol-2-yl)phenyl]-1,3-oxazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o2379-o2380.	0.2	0