

Alexander A Ksenofontov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Basic structural modifications for improving the practical properties of BODIPY. <i>Coordination Chemistry Reviews</i> , 2022, 469, 214684.	9.5	51
2	Self-assembled cobalt(<i>scp</i>)porphyrinâ€‘fulleropyrrolidine triads <i>via</i> axial coordination with photoinduced electron transfer. <i>New Journal of Chemistry</i> , 2018, 42, 12449-12456.	1.4	31
3	Synthesis and properties of the novel (tetraazaporphinato)/(phthalocyaninato) manganese(III) â€‘ Pyridyl-substituted [60]fulleropyrrolidine dyads assembled through donorâ€‘acceptor bonding. <i>Dyes and Pigments</i> , 2018, 153, 225-232.	2.0	27
4	Luminescent properties of new 2,2-, 2,3- and 3,3-CH ₂ -bis(BODIPY)s dyes: Structural and solvation effects. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 218, 308-319.	2.0	19
5	Water-Soluble BODIPY-Based fluorescent probe for BSA and HSA detection. <i>Journal of Molecular Liquids</i> , 2022, 345, 117031.	2.3	19
6	Comparative analysis of physicochemical properties of dinuclear zinc(II) helicates with 2,2-â€‘, 2,3-â€‘, and 3,3-â€‘bis(dipyromethenes). <i>Russian Journal of Inorganic Chemistry</i> , 2014, 59, 578-586.	0.3	18
7	A quantum chemical study of the molecular structure of zinc(II) and boron(II) complexes with monoiodo and dibromo substituted dipyrines. <i>Journal of Structural Chemistry</i> , 2016, 57, 25-32.	0.3	17
8	Interaction of tetramethyl-substituted BODIPY dye with bovine serum albumin: Spectroscopic study and molecular docking. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 368, 254-257.	2.0	17
9	Effect of polar protic solvents on the photophysical properties of bis(BODIPY) dyes. <i>Journal of Molecular Liquids</i> , 2021, 337, 116416.	2.3	17
10	Novel non-covalent supramolecular systems based on zinc(II) bis(dipyromethenate)s with fullerenes. <i>Journal of Molecular Liquids</i> , 2018, 269, 327-334.	2.3	16
11	The influence of alkylation on the photophysical properties of BODIPYs and their labeling in blood plasma proteins. <i>Journal of Molecular Liquids</i> , 2020, 304, 112717.	2.3	16
12	Zinc(II) bis(dipyromethenate)s crystal solvates with dimethyl sulfoxide Composition, stability and spectral-luminescent properties. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 858-868.	4.0	15
13	New dyads based on trifluoromethylated phthalocyanine derivatives and substituted fullerene with possible application photoinduced electron transfer. <i>Journal of Fluorine Chemistry</i> , 2019, 224, 113-120.	0.9	15
14	Novel BODIPY-conjugated amino acids: Synthesis and spectral properties. <i>Journal of Molecular Liquids</i> , 2019, 283, 695-703.	2.3	15
15	Prospects of applications of fluorescent sensors based on zinc(II) and boron(III) bis(dipyromethenate)s. <i>Journal of Molecular Liquids</i> , 2019, 274, 681-689.	2.3	15
16	Deep neural network model for highly accurate prediction of BODIPYs absorption. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 267, 120577.	2.0	15
17	Composition and thermal stability of bis (dipyrrolylmethenato)zinc(II) crystal solvates with N,N-dimethylformamide. <i>Thermochimica Acta</i> , 2014, 589, 31-36.	1.2	14
18	Theoretical studies on the electronic structure and spectroscopic properties of zinc(II) bis(dipyrinate)s. <i>Computational and Theoretical Chemistry</i> , 2015, 1054, 88-92.	1.1	14

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19	Novel fluorescent sensors based on zinc(II) bis(dipyrromethenate)s for furosemide detection in organic media. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 382, 111899.	2.0	14
20	“Off” fluorescent sensors for aromatic analytes based on zinc(II) bis(dipyrromethenate)s. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 222-227.	2.0	13
21	Novel Zinc(II) Bis(Dipyrromethenate)-Doped Ethyl Cellulose Sensors for Acetone Vapor Fluorescence Detection. <i>Journal of Fluorescence</i> , 2018, 28, 477-482.	1.3	13
22	Effect of ms-substitution on aggregation behavior and spectroscopic properties of BODIPY dyes in aqueous solution, Langmuir-Schaefer and poly(methyl methacrylate) thin films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 618, 126449.	2.3	12
23	A New Sensitive and Selective Off-On Fluorescent Zn ²⁺ Chemosensor Based on 3,3',5,5'-Tetraphenylsubstituted Dipyrromethene. <i>Journal of Fluorescence</i> , 2016, 26, 1967-1974.	1.3	11
24	Can machine learning methods accurately predict the molar absorption coefficient of different classes of dyes?. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 279, 121442.	2.0	11
25	Molecular structure of bis(dipyrrolymethanates) of d-metals according to the quantum chemical calculations by the PM6 method. <i>Journal of Structural Chemistry</i> , 2014, 55, 418-423.	0.3	10
26	Zinc(II) bis(dipyrromethenate)-doped ethyl cellulose sensors for ethanol vapor fluorescence detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 462-466.	4.0	10
27	Effect of solvent nature on spectral properties of blue-emitting meso-propargylamino-BODIPY. <i>Journal of Molecular Liquids</i> , 2019, 285, 194-203.	2.3	10
28	Crystal solvates of zinc(II) bis(dipyrinates) with triethylamine: composition, stability and spectral-luminescent properties. <i>Journal of Coordination Chemistry</i> , 2016, 69, 901-914.	0.8	9
29	Self-organizing donor-acceptor assemblies of cobalt(II) porphyrin ligated with gold(III) porphyrin or fullerene[60]pyrrolidine in liquid medium. <i>Journal of Molecular Liquids</i> , 2021, 326, 115306.	2.3	9
30	Meso-carbazole substituted porphyrin complexes: Synthesis and spectral properties according to experiment, DFT calculations and the prediction by machine learning methods. <i>Dyes and Pigments</i> , 2022, 204, 110470.	2.0	9
31	Influence of structural factors and the properties of the medium on the fluorescence of Zn(II) bis(dipyrinate)s. <i>Journal of Luminescence</i> , 2016, 170, 275-281.	1.5	8
32	Zinc(II) bis(dipyrromethenate)s-based “Off” fluorescent sensors for xylenes. <i>Journal of Luminescence</i> , 2017, 192, 1203-1210.	1.5	8
33	The influence of structural factors on the composition, spectral-luminescent properties and thermal stability of zinc(II) bis(dipyrromethenate)s crystal solvates with amines. <i>Journal of Molecular Structure</i> , 2017, 1130, 385-394.	1.8	8
34	Zinc(II) bis(dipyrromethenate)s as chemosensors for fluorescent detection of amines. <i>Journal of Luminescence</i> , 2017, 181, 387-392.	1.5	8
35	Non-covalent supramolecular systems with photoinduced electron transfer based on zinc bis(dipyrromethenate)s and C ₆₀ . <i>Dyes and Pigments</i> , 2021, 185, 108918.	2.0	8
36	Carbazole-functionalized cobalt(ii) porphyrin axially bonded with C ₆₀ /C ₇₀ derivatives: synthesis and characterization. <i>New Journal of Chemistry</i> , 2021, 45, 9053-9065.	1.4	8

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37	2-APCAs, the Novel Microtubule Targeting Agents Active against Distinct Cancer Cell Lines. <i>Molecules</i> , 2021, 26, 616.	1.7	8
38	Diclofenac Ion Hydration: Experimental and Theoretical Search for Anion Pairs. <i>Molecules</i> , 2022, 27, 3350.	1.7	7
39	Thermal and spectroscopic characterization of zinc(II) bis(dipyrinate)s crystal solvates with acetone, dimethyl sulfoxide, and triethylamine. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 1481-1490.	2.0	6
40	Synthesis and Photochemical Properties of 2,3;5,6-bis(cyclohexano)-BODIPY. <i>Journal of Fluorescence</i> , 2018, 28, 393-407.	1.3	6
41	Synthesis, EPR study and photophysical properties of a mononuclear Fe(III) Schiff base complex functionalized by 3,6-di-tert-butyl-carbazole moieties. <i>Journal of Molecular Structure</i> , 2020, 1200, 127090.	1.8	6
42	Effects of ms-aryl substitution on the structure and spectral properties of new CH(Ar)-bis(BODIPY) luminophores. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 265, 120393.	2.0	6
43	Dipyrromethene chromo-fluorogenic chemosensors for quantitative detection and express analysis of Zn ²⁺ ions. <i>Journal of Molecular Liquids</i> , 2022, 345, 117834.	2.3	6
44	Aggregation behavior and spectroscopic properties of red-emitting distyryl-BODIPY in aqueous solution, Langmuir-Schaefer films and Pluronic® F127 micelles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 278, 121366.	2.0	6
45	The influence of structural factors on the composition, spectral-luminescent properties and thermal stability of zinc(II) bis(dipyrromethenate)s crystal solvates with aromatic hydrocarbons. <i>Journal of Luminescence</i> , 2017, 187, 69-77.	1.5	5
46	Synthesis and emissive properties of bi-directed azomethine iron(III) complexes based on salicylidene-4-biphenylcarboxylic acid. <i>Journal of Molecular Structure</i> , 2019, 1176, 529-537.	1.8	5
47	Schiff base complexes with different metals incorporating derivatives of 3,6-di-tert-butylcarbazole. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6145.	1.7	5
48	SYNTHESIS AND SPECTRAL PROPERTIES OF BODIPY LUMINOPHORE WITH EXTENDED π -ELECTRONIC SYSTEM. <i>ChemChemTech</i> , 2019, 62, 13-18.	0.1	5
49	Unraveling the Mechanism of Platelet Aggregation Suppression by Monoterpenoids. <i>Bioengineering</i> , 2022, 9, 24.	1.6	5
50	Influence of Solvation and Structural Contributions on Fluorescence of Dipyrine Dyes. <i>Journal of Fluorescence</i> , 2015, 25, 1875-1885.	1.3	4
51	Cadmium(II) complexes with monoiodo- and dibromodipyrromethenes: synthesis, molecular structure, spectral-luminescent properties, and stability in solutions. <i>Russian Chemical Bulletin</i> , 2018, 67, 1231-1240.	0.4	4
52	Chemical design of carbazole dendrons: Optical properties and DFT analysis. <i>Optical Materials</i> , 2021, 122, 111661.	1.7	4
53	Design and physico-chemical properties of unsymmetrically substituted dipyrromethenes and their complexes with boron(III) and zinc(II). <i>Dyes and Pigments</i> , 2022, 202, 110215.	2.0	4
54	Theoretical studies on the electronic structure and spectroscopic properties of transition metals bis(dipyrinate)s. <i>Molecular Physics</i> , 2016, 114, 2838-2847.	0.8	3

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55	Fluorescent detection of loop diuretics by sensors based on zinc(II) bis(dipyrromethene)s. <i>Dyes and Pigments</i> , 2020, 179, 108389.	2.0	3
56	SYNTHESIS AND STUDY OF SPECTRAL PROPERTIES OF AMINO ACIDS – BODIPY CONJUGATES. <i>ChemChemTech</i> , 2020, 63, 4-11.	0.1	3
57	Chemistry and Practical Application of Dipyrromethene Ligands, Salts, and Coordination Compounds as Optical Sensors for Analytes of Various Nature (A Review). <i>Russian Journal of Inorganic Chemistry</i> , 2022, 67, 321-337.	0.3	3
58	Kinetic model and mechanism of the acid dissociation of d-metal bis(dipyrrolylmethenates). <i>Kinetics and Catalysis</i> , 2014, 55, 391-400.	0.3	2
59	Liquid crystalline poly(propylene imine) dendrimer-based iron oxide nanoparticles. <i>RSC Advances</i> , 2019, 9, 22499-22512.	1.7	2
60	The complex formation of indium(III) acetate with alkyl-substituted 3,3'-bis(dipyrromethene) ligands. <i>Inorganica Chimica Acta</i> , 2019, 498, 119146.	1.2	2
61	Bodipy Based Fluorescent Materials in Cellulose Matrices: Synthesis, Spectral Properties and Vapochromic Fluorescent Recognition of Alcohols and Acetone. <i>Journal of Fluorescence</i> , 2021, 31, 1627.	1.3	1
62	A New Water-Soluble Form of BODIPY Luminophores Based on Cremophor®: Synthesis, Spectral Properties, and in vitro Study. <i>Russian Journal of Physical Chemistry B</i> , 2021, 15, 40-45.	0.2	0