

Nadezhda I Makarova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	12D-quinoxaline[2,3-b]phenoxazines: Synthesis, optical, electrochemical properties and insight into photovoltaic application. <i>Dyes and Pigments</i> , 2022, 197, 109848.	2.0	7
2	Novel polychromogenic fluorine-substituted spiropyran demonstrating either uni- or bidirectional photochromism as multipurpose molecular switches. <i>Dyes and Pigments</i> , 2022, 199, 110043.	2.0	19
3	Synthesis, Structures, and Properties of the Zn(II), Cu(II), Co(II), and Ni(II) Bis(chelate) Complexes Based on 2,4,9,11-Tetra-tert-butylbenzo[5,6][1,4]oxazino[2,3-b]phenoxazin-1-ol. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2022, 48, 261-269.	0.3	0
4	Synthesis, structure and photochromic properties of indoline spiropyran with electron-withdrawing substituents. <i>Journal of Molecular Structure</i> , 2021, 1229, 129615.	1.8	18
5	Novel molecular hybrids of indoline spiropyran and \pm -lipoic acid as potential photopharmacological agents: Synthesis, structure, photochromic and biological properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 31, 127709.	1.0	13
6	Synthesis, structure, and photoluminescent and electroluminescent properties of zinc(II) complexes with bidentate azomethine ligands. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6107.	1.7	7
7	New indoline spiropyran with highly stable merocyanine forms. <i>Mendeleev Communications</i> , 2021, 31, 403-406.	0.6	1
8	New indoline spiropyran with highly stable merocyanine forms. <i>Mendeleev Communications</i> , 2021, 31, 403-406.	0.6	17
9	Structure and Properties of 1,3,3-Trimethyl-6 α -chlorospiro[indoline-2,2'-chromene]. <i>Russian Journal of General Chemistry</i> , 2021, 91, 1297-1304.	0.3	9
10	Synthesis, Structure, Spectral-Luminescent Properties, and Biological Activity of Chlorine-Substituted Azomethines and Their Zinc(II) Complexes. <i>Russian Journal of General Chemistry</i> , 2021, 91, 1706-1716.	0.3	8
11	Visible to near-IR molecular switches based on photochromic indoline spiropyran with a conjugated cationic fragment. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118041.	2.0	24
12	A new approach to the synthesis of the sterically crowded photostable and fluorescent triphenodioxazines. <i>Dyes and Pigments</i> , 2020, 176, 108174.	2.0	11
13	Chemical and electrochemical synthesis, structure, photoluminescent properties, and biological activity of 4 α -methyl-N $\{$ 2 $\{$ Z $\}$ (2-pyridyl)alkyliminomethyl $\}$ phenyl $\}$ benzenesulfamide zinc(II) complexes. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5302.		8
14	Synthesis, structural, spectral studies, and DFT calculations of a series of mixed ligand complexes of a tridentate N, N, S pyrazole based aldimine and 2,2'-bipyridine. The first example of structurally characterized dimeric cadmium(II) adduct with unusual $\frac{1}{2}$ -Osulfonamido bridges. <i>Polyhedron</i> , 2020, 190, 114763.	1.0	3
15	Synthesis and characterization of linear 1,4-diazine-triphenylamine α -based selective chemosensors for recognition of nitroaromatic compounds and aliphatic amines. <i>Dyes and Pigments</i> , 2020, 178, 108344.	2.0	20
16	Synthesis, structure, spectroscopic studies and magnetic properties of Cu ₂ N ₂ O ₄ -, Cu ₂ N ₂ O ₂ (S ₂)-, Cu ₂ N ₂ S ₄ -chromophores based on aminomethylene derivatives of pyrazole-5-one(thione). <i>Polyhedron</i> , 2020, 188, 114623.	1.0	2
17	Synthesis and study of new photochromic spiropyran modified with carboxylic and aldehyde substituents. <i>Journal of Molecular Structure</i> , 2019, 1196, 409-416.	1.8	13
18	Synthesis, Structure, and Spectral Properties of 3,5-Di-tert-butyl-1,2-benzoquinone 3-Hydroxynaphthoyl Hydrazone and Its Complexes with Zn(II), Cd(II), Ni(II), and Co(II). <i>Russian Journal of General Chemistry</i> , 2019, 89, 727-735.	0.3	3

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19	New Photochromic Salt Spiropyrans of Indoline Series. <i>Doklady Chemistry</i> , 2019, 484, 58-63.	0.2	2
20	Novel fluorophores based on imidazopyrazine derivatives: Synthesis and photophysical characterization focusing on solvatochromism and sensitivity towards nitroaromatic compounds. <i>Dyes and Pigments</i> , 2019, 168, 248-256.	2.0	18
21	New photochromic indoline spiropyrans containing cationic substituent in the 2H-chromene moiety. <i>Journal of Molecular Structure</i> , 2019, 1178, 590-598.	1.8	16
22	Insights into the solvents effect on spectral and photophysical properties of novel fluorescent heteroaromatic bis-peri-fused azoxonium cations. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 370, 127-134.	2.0	4
23	Electrochemical synthesis, structural, spectral studies and DFT calculations of heteroleptic metal-chelates bearing N, N, S tridentate tosylamino functionalized pyrazole containing Schiff base and 1,10-phenanthroline. <i>Polyhedron</i> , 2019, 157, 6-17.	1.0	21
24	Synthesis, properties and structure of copper(II) complexes of quinolyl azo derivatives of pyrazole-5-one(thione). <i>Polyhedron</i> , 2018, 146, 1-11.	1.0	8
25	Complexes of zinc(II) with N-[2-(hydroxyalkyliminomethyl)phenyl]-4-methylbenzenesulfonamides: synthesis, structure, photoluminescence properties and biological activity. <i>Polyhedron</i> , 2018, 144, 249-258.	1.0	32
26	Synthesis and structure of nickel and copper chelate complexes with coumarin azo ligand. <i>Mendeleev Communications</i> , 2018, 28, 205-207.	0.6	4
27	New Photochromic Spiropyrans with ortho-Hydroxyaldimine Substituent. <i>Doklady Chemistry</i> , 2018, 482, 229-232.	0.2	2
28	Electrochemical Synthesis, Properties, and Structure of 1,10-Phenanthroline Adducts of Mononuclear Copper, Cobalt, and Nickel Chelates in the N,N,O-Ligand Environment. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2018, 44, 596-603.	0.3	3
29	Novel Spirocyclic Condensation Products of Gossypol and Fischer's Bases. <i>Chemistry of Natural Compounds</i> , 2018, 54, 1081-1084.	0.2	1
30	New V-shaped 2,4-di(hetero)arylpurine push-pull systems: Synthesis, solvatochromism and sensitivity towards nitroaromatic compounds. <i>Dyes and Pigments</i> , 2018, 159, 35-44.	2.0	30
31	Synthesis, characterization, luminescent properties and biological activities of zinc complexes with bidentate azomethine Schiff-base ligands. <i>Polyhedron</i> , 2018, 154, 65-76.	1.0	42
32	Synthesis, structure, photo- and electroluminescent properties of bis(2-phenylpyridinato-N, π)-[2-(2-tosylaminophenyl)benzoxazolato-N, π]iridium(III). <i>Inorganica Chimica Acta</i> , 2018, 482, 863-869.	1.2	4
33	Synthesis and properties of new π -conjugated imidazole/carbazole structures. <i>Dyes and Pigments</i> , 2017, 141, 512-520.	2.0	6
34	Photochromic fluorescent indol-3-yl-substituted maleimides. <i>Russian Journal of Organic Chemistry</i> , 2017, 53, 366-370.	0.3	2
35	Mixed ligand metal-complexes of tridentate N, N, S pyrazole containing Schiff base and 2-amino-1-ethylbenzimidazole: Synthesis, structure, spectroscopic studies and quantum-chemical calculations. <i>Polyhedron</i> , 2017, 133, 245-256.	1.0	16
36	Synthesis, structure, and photoluminescence properties of 4-methyl-N-{2-([1-alkyl-2-[2-(p-tolylsulfonamino)phenyl]benzimidazol-5-yl]iminomethyl)phenyl}benzenesulfonamides and their zinc complexes. <i>Russian Journal of General Chemistry</i> , 2017, 87, 764-772.	1.2	4

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37	Synthesis, structure, and photoluminescence properties of N-{2-[5-(2-hydroxyphenylmethylamino)-1-alkylbenzimidazol-2-yl]phenyl}-4-methylbenzenesulfamides and their zinc complexes. <i>Russian Journal of General Chemistry</i> , 2017, 87, 76-85.	0.3	4
38	Photochromic 1-benzofurylfulgides with modulated fluorescence. <i>Arkivoc</i> , 2017, 2016, 1-10.	0.3	2
39	Electrochemical synthesis and structure of 2-amino-1-ethylbenzimidazole adducts of copper, cobalt, and zinc chelates in the N,N,S ligand environment. <i>Russian Journal of Inorganic Chemistry</i> , 2017, 62, 1077-1084.	0.3	5
40	Electrochemical and chemical syntheses, structures, and optical properties of the zinc and cadmium complexes in the N,N,O,S-ligand environment. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2016, 42, 755-762.	0.3	5
41	Mixed-ligand Zn(II) complexes of 1-phenyl-3-methyl-4-formylpyrazole-5-one and various aminoheterocycles: Synthesis, structure and photoluminescence properties. <i>Synthetic Metals</i> , 2016, 220, 543-550.	2.1	25
42	Synthesis, structure, and photoluminescence properties of bis[2-(1,3-benzoxazol-2-yl- \hat{N})-4,5-dichloro-3-(ethoxycarbonyl)phenolato- \hat{O}]zinc(II). <i>Russian Journal of Organic Chemistry</i> , 2016, 52, 1018-1021.	0.3	5
43	Heteroacenes Bearing the Pyrimidine Scaffold: Synthesis, Photophysical and Electrochemical Properties. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1420-1428.	1.2	13
44	Chemical and electrochemical synthesis, molecular structures, DFT calculations and optical properties of metal-chelates of 8-(2-tosylaminobenzilideneimino)quinoline. <i>Polyhedron</i> , 2016, 107, 153-162.	1.0	18
45	Synthesis, structural and optical properties of 1-alkyl-2-(2-tosylaminophenyl)-5-nitrobenzimidazoles and their zinc(II) complexes. <i>Journal of Molecular Structure</i> , 2016, 1104, 7-13.	1.8	11
46	2-Hetaryl-1,3-tropolones based on five-membered nitrogen heterocycles: synthesis, structure and properties. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2179-2188.	1.3	20
47	Synthesis, Photophysical and Redox Properties of the "A Type Pyrimidine Dyes Bearing the 9-Phenyl-9H-Carbazole Moiety. <i>Journal of Fluorescence</i> , 2015, 25, 763-775.	1.3	31
48	Cation-active photochromic molecular switches based on acylated enamino ketones of benzo[b]thiophene series. <i>Russian Journal of Organic Chemistry</i> , 2015, 51, 1096-1100.	0.3	2
49	Electrochemical synthesis, structure, and photoluminescent properties of copper, zinc, and cadmium mixed-ligand complexes. <i>Russian Journal of Inorganic Chemistry</i> , 2015, 60, 1528-1536.	0.3	11
50	Spiropyrans and spirooxazines. <i>Russian Chemical Bulletin</i> , 2015, 64, 677-682.	0.4	5
51	Synthesis and Photochromic Properties of Asymmetric Dihetarylethenes Based on 5-methoxy-1,2-dimethylindole and 5-(4-bromophenyl)-2-methylthiophene. <i>Chemistry of Heterocyclic Compounds</i> , 2014, 50, 932-940.	0.6	11
52	Synthesis and photochromic properties of fulgides and fulgimides, 5-alkoxybenzo[b]furan derivatives. <i>Russian Chemical Bulletin</i> , 2014, 63, 1780-1784.	0.4	5
53	Synthesis, spectral and electrochemical properties of pyrimidine-containing dyes as photosensitizers for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2014, 100, 201-214.	2.0	74
54	Synthesis and photochromic and fluorescence properties of 3-(1-benzyl-5-methoxy-2-methylindolyl)-4-thienyl-substituted furan(pyrrole)-2,5-diones. <i>Russian Chemical Bulletin</i> , 2014, 63, 109-114.	0.4	4

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55	Novel asymmetric dihetarylethenes derived from N-isopropylindole and thiophene: synthesis and photochromic properties. Russian Chemical Bulletin, 2013, 62, 2424-2429.	0.4	0
56	Synthesis and photochromic properties of new nonsymmetric dihetarylethenes " indole and thiophene derivatives. Russian Chemical Bulletin, 2011, 60, 1899-1905.	0.4	11
57	Synthesis, structures, and photochromic properties of 3-[(E)-alk-1-enyl]-4-(1-alkyl-5-methoxy-2-methyl-1H-indol-3-yl)furan-2,5-diones. Russian Chemical Bulletin, 2011, 60, 1090-1095.	0.4	5
58	New fluorescent 2-(5-acetoacetyl-2-furyl)-benzazoles with prochiral methylene group protons. Chemistry of Heterocyclic Compounds, 2011, 47, 690-694.	0.6	3
59	Synthesis and photochromic properties of N 2-alkyl-5-furyl-4-thienylpyridazinones. Russian Chemical Bulletin, 2011, 60, 168-174.	0.4	2
60	Structures and photochromic properties of fulgides based on naphtho[1,2-b]furan and benzo[g]indole. Russian Chemical Bulletin, 2010, 59, 954-959.	0.4	7
61	Synthesis and photochromic properties of novel nonsymmetric dihetarylethenes based on benzindole and thiophene. Russian Chemical Bulletin, 2010, 59, 1639-1644.	0.4	11
62	Synthesis, structure, and photoisomerization of derivatives of 2-(2-quinoly)-1,3-tropolones prepared by the condensation of 2-methylquinolines with 3,4,5,6-tetrachloro-1,2-benzoquinone. Tetrahedron, 2010, 66, 8763-8771.	1.0	26
63	Synthesis and structure of new 6-substituted 5-methyl-5,6-dihydrocyclohepta[b]indole-9,10-dicarboxylic anhydrides. Russian Journal of Organic Chemistry, 2009, 45, 1382-1385.	0.3	1
64	Synthesis, structures, and photochromic properties of N-aryl-3-indolylfulgides. Russian Chemical Bulletin, 2008, 57, 1435-1443.	0.4	6
65	N,N'-Bis(9-anthrylmethyl)diamines as fluorescent chemosensors for transition metal cations. Russian Journal of Organic Chemistry, 2007, 43, 388-392.	0.3	6
66	Synthesis, structures, and photochromic properties of 2-methylthieno[3,2-b][1]benzothiophen-3-ylfulgide. Russian Chemical Bulletin, 2007, 56, 2400-2406.	0.4	6
67	Synthesis of photochromic 3,4-bis(1,2-dimethylindol-3-yl)-2,5-dihydrothiophene. Russian Journal of Organic Chemistry, 2006, 42, 619-621.	0.3	4
68	Synthesis of 1,2-bis(3-methylbenzo[b]furan-2-yl)cyclopentene and 1,2-bis(3-methylbenzo[b]furan-2-yl)cyclohexene. Russian Journal of Organic Chemistry, 2006, 42, 1727-1729.	0.3	1
69	Synthesis and photochromic properties of fulgides based on naphtho[1,2-b]furan and benzo[g]indole. Russian Journal of Organic Chemistry, 2006, 42, 1861-1863.	0.3	6
70	Photoisomerization of quinolin-2-yl derivatives of 1 ² -tropolone. Russian Chemical Bulletin, 2006, 55, 484-491.	0.4	3
71	The Dynamics of Intramolecular Excited State Relaxation of N-Anthryl Substituted Pyridinium Cations. Journal of Fluorescence, 2005, 15, 111-115.	1.3	4
72	Excited state structural relaxation relaxation of N-(1-anthryl)-2,4,6-trimethyl-pyridinium cation. International Journal of Photoenergy, 2004, 6, 69-72.	1.4	3

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73	Complex Compounds of Azomethines with an MN ₂ S ₂ Five-membered Coordination Unit: Metal Chelates of 2-[[4-(3,5-Diphenyl-4,5-dihydropyrazol-1-yl)benzylidene]amino]benzenethiol. Russian Journal of General Chemistry, 2004, 74, 772-775.	0.3	3
74	2-[N-Acetyl-N-(2-fluorenyl)aminomethylene]benzo[b]thiophen-3(2H)-one, a Molecular Fluorescent Switch. ChemInform, 2003, 34, no.	0.1	0
75	Title is missing!. Russian Journal of Organic Chemistry, 2002, 38, 139-140.	0.3	11
76	Title is missing!. Russian Journal of Organic Chemistry, 2002, 38, 1018-1022.	0.3	1
77	Title is missing!. Russian Journal of Organic Chemistry, 2002, 38, 1326-1330.	0.3	7
78	Title is missing!. Russian Journal of Organic Chemistry, 2002, 38, 1698-1699.	0.3	8
79	Light-induced adiabatic structural relaxation and electronic energy deactivation in Pyridinium bications. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 132, 59-66.	2.0	6
80	Photoinitiated processes in 1-p-tolylsulfonylazo-2,4,6,8-tetrakis(tert-butyl)phenoxazine. Russian Chemical Bulletin, 2000, 49, 1981-1987.	0.4	0
81	Photoinitiated azo-hydrizo tautomerizm of 1-p- toluenesulphonylazo-2,4,6,8-tetrakis (tert-butyl)phenoxazine. International Journal of Photoenergy, 1999, 1, 161-164.	1.4	0
82	The Search and Investigation of the Novel Photo-Thermochromic and Luminescent Flexible Structures with Intramolecular Proton Transfer. Molecular Crystals and Liquid Crystals, 1997, 298, 115-120.	0.3	0
83	Photochemical Generation, Photochromism and Photocyclization of 2-Norbornadenyl Substituted Benzo-1,3-Oxazoles. Molecular Crystals and Liquid Crystals, 1997, 297, 233-237.	0.3	3
84	Multiple emission of N-(1-anthryl)-pyridinium. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 103, 45-50.	2.0	16
85	Photoinduced processes in structurally nonrigid molecular systems based on the pyridinium cation and salicylidenaniline molecule. Journal of Applied Spectroscopy, 1995, 62, 454-457.	0.3	1
86	Photochemical properties and the structure of 6-methyl-2,4-diphenyl-1-(p-tolyl)pyrimidinium perchlorate and the product of its photocyclization. Russian Chemical Bulletin, 1995, 44, 1662-1666.	0.4	1
87	Photochemical properties and structures ofN-amino andN-azomethine derivatives of 2,4,6-triphenylpyridinium perchlorates. Russian Chemical Bulletin, 1995, 44, 287-292.	0.4	1
88	The peculiarities of the spectral luminescence properties of N-anthryl-substituted pyridinium cations. Journal of Photochemistry and Photobiology A: Chemistry, 1993, 70, 223-227.	2.0	9
89	Proton-transfer-induced radiationless deactivation in 2,4,6-triarylpyridines. Journal of Photochemistry and Photobiology A: Chemistry, 1992, 68, 319-335.	2.0	7
90	Photochemistry of pyridinium salts 1. Intramolecular charge transfer inN-amino-substituted pyridinium cations. Journal of Physical Organic Chemistry, 1990, 3, 200-204.	0.9	6

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91	Photochemistry of pyridinium salts 2: Photobiscyclization of N-azomethine pyridinium derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 1990, 54, 91-97.	2.0	7
92	Photochemistry of 1-amino-2,4,6-triphenylpyridinium perchlorate. Chemistry of Heterocyclic Compounds, 1988, 24, 351-351.	0.6	1