

# Nadezhda I Makarova

## List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Synthesis, Photophysical and Redox Properties of the Dâ€“â€“A Type Pyrimidine Dyes Bearing the 9-Phenyl-9H-Carbazole Moiety. <i>Journal of Fluorescence</i> , 2015, 25, 763-775.	1.3	31
5	New V-shaped 2,4-di(hetero)arylpyrimidine push-pull systems: Synthesis, solvatochromism and sensitivity towards nitroaromatic compounds. <i>Dyes and Pigments</i> , 2018, 159, 35-44.	2.0	30
6	Synthesis, structure, and photoisomerization of derivatives of 2-(2-quinolyl)-1,3-tropolones prepared by the condensation of 2-methylquinolines with 3,4,5,6-tetrachloro-1,2-benzoquinone. <i>Tetrahedron</i> , 2010, 66, 8763-8771.	1.0	26
7	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
8	Visible to near-IR molecular switches based on photochromic indoline spiropyrans with a conjugated cationic fragment. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118041.	2.0	24
9	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
10	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
11	Synthesis and characterization of linear 1,4-diazine-triphenylamineâ€“based selective chemosensors for recognition of nitroaromatic compounds and aliphatic amines. <i>Dyes and Pigments</i> , 2020, 178, 108344.	2.0	20
12	Novel polychromogenic fluorine-substituted spiropyrans demonstrating either uni- or bidirectional photochromism as multipurpose molecular switches. <i>Dyes and Pigments</i> , 2022, 199, 110043.	2.0	19
13	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
14	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
15	Synthesis, structure and photochromic properties of indoline spiropyrans with electron-withdrawing substituents. <i>Journal of Molecular Structure</i> , 2021, 1229, 129615.	1.8	18
16	New indoline spiropyrans with highly stable merocyanine forms. <i>Mendeleev Communications</i> , 2021, 31, 403-406.	0.6	17
17	Multiple emission of N-(1-anthryl)-pyridinium. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 103, 45-50.	2.0	16
18	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

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19	New photochromic indoline spiropyran containing cationic substituent in the 2H-chromene moiety. <i>Journal of Molecular Structure</i> , 2019, 1178, 590-598.	1.8	16
20	Heteroacenes Bearing the Pyrimidine Scaffold: Synthesis, Photophysical and Electrochemical Properties. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1420-1428.	1.2	13
21	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
22	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
23	Title is missing!. <i>Russian Journal of Organic Chemistry</i> , 2002, 38, 139-140.	0.3	11
24	Synthesis and photochromic properties of novel nonsymmetric dihetarylethenes based on benzindole and thiophene. <i>Russian Chemical Bulletin</i> , 2010, 59, 1639-1644.	0.4	11
25	Synthesis and photochromic properties of new nonsymmetric dihetarylethenes " indole and thiophene derivatives. <i>Russian Chemical Bulletin</i> , 2011, 60, 1899-1905.	0.4	11
26	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
27	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
28	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
29	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
30	The peculiarities of the spectral luminescence properties of N-anthryl-substituted pyridinium cations. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1993, 70, 223-227.	2.0	9
31	Structure and Properties of 1,3,3-Trimethyl-6-chlorospiro[indoline-2,2H-chromene]. <i>Russian Journal of General Chemistry</i> , 2021, 91, 1297-1304.	0.3	9
32	Title is missing!. <i>Russian Journal of Organic Chemistry</i> , 2002, 38, 1698-1699.	0.3	8
33	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
34	Chemical and electrochemical synthesis, structure, photoluminescent properties, and biological activity of 4-methyl-N-(2-(2-(2-pyridyl)alkyliminomethyl]phenyl]benzenesulfamide zinc(II) complexes. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5302.		8
35	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
36	Photochemistry of pyridinium salts 2: Photobiscyclization of N-azomethine pyridinium derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1990, 54, 91-97.	2.0	7

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37	Proton-transfer-induced radiationless deactivation in 2,4,6-triarylpyridines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992, 68, 319-335.	2.0	7
38	Title is missing!. <i>Russian Journal of Organic Chemistry</i> , 2002, 38, 1326-1330.	0.3	7
39	Structures and photochromic properties of fulgides based on naphtho[1,2-b]furan and benzo[g]indole. <i>Russian Chemical Bulletin</i> , 2010, 59, 954-959.	0.4	7
40	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
41	12 <i>Đ</i> -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
42	Photochemistry of pyridinium salts 1. Intramolecular charge transfer in N-amino-substituted pyridinium cations. <i>Journal of Physical Organic Chemistry</i> , 1990, 3, 200-204.	0.9	6
43	Light-induced adiabatic structural relaxation and electronic energy deactivation in Pyridinium bications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 132, 59-66.	2.0	6
44	Synthesis and photochromic properties of fulgides based on naphtho[1,2-b]furan and benzo[g]indole. <i>Russian Journal of Organic Chemistry</i> , 2006, 42, 1861-1863.	0.3	6
45	N,N- $\epsilon^2$ -Bis(9-anthrylmethyl)diamines as fluorescent chemosensors for transition metal cations. <i>Russian Journal of Organic Chemistry</i> , 2007, 43, 388-392.	0.3	6
46	Synthesis, structures, and photochromic properties of 2-methylthieno[3,2-b][1]benzothiophen-3-ylfulgide. <i>Russian Chemical Bulletin</i> , 2007, 56, 2400-2406.	0.4	6
47	Synthesis, structures, and photochromic properties of N-aryl-3-indolylfulgides. <i>Russian Chemical Bulletin</i> , 2008, 57, 1435-1443.	0.4	6
48	Synthesis and properties of new $\pi$ -conjugated imidazole/carbazole structures. <i>Dyes and Pigments</i> , 2017, 141, 512-520.	2.0	6
49	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. <i>Russian Chemical Bulletin</i> , 2011, 60, 1090-1095.	0.4	5
50	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
51	Spiropyrans and spirooxazines. <i>Russian Chemical Bulletin</i> , 2015, 64, 677-682.	0.4	5
52	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
53	Synthesis, structure, and photoluminescence properties of bis[2-(1,3-benzoxazol-2-yl- $\text{I}^{\text{a}}$ N)-4,5-dichloro-3-(ethoxycarbonyl)phenolato- $\text{I}^{\text{a}}$ O]zinc(II). <i>Russian Journal of Organic Chemistry</i> , 2016, 52, 1018-1021.	0.3	5
54	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

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55	The Dynamics of Intramolecular Excited State Relaxation of N-Anthryl Substituted Pyridinium Cations. <i>Journal of Fluorescence</i> , 2005, 15, 111-115.	1.3	4
56	Synthesis of photochromic 3,4-bis(1,2-dimethylindol-3-yl)-2,5-dihydrothiophene. <i>Russian Journal of Organic Chemistry</i> , 2006, 42, 619-621.	0.3	4
57	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
58	Synthesis, structure, and photoluminescence properties of 4-methyl-N-{2-([1-alkyl-2-[2-(p-tolylsulfonylamino)phenyl]benzimidazol-5-yl]iminomethyl)phenyl}benzenesulfonamides and their zinc complexes. <i>Russian Journal of General Chemistry</i> , 2017, 87, 764-772.	0.3	4
59	Synthesis, structure, and photoluminescence properties of N-{2-[5-(2-hydroxyphenylmethyleneamino)-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
60	Synthesis and structure of nickel and copper chelate complexes with coumarin azo ligand. <i>Mendeleev Communications</i> , 2018, 28, 205-207.	0.6	4
61	Synthesis, structure, photo- and electroluminescent properties of bis(2-phenylpyridinato-N, $\kappa^2$ )[2-(2-tosylaminophenyl)benzoxazolato-N, $\kappa^2$ ]iridium(III). <i>Inorganica Chimica Acta</i> , 2018, 482, 863-869.	1.2	4
62	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
63	Photochemical Generation, Photochromism and Photocyclization of 2-Norbornadenyl Substituted Benzo-1,3-Oxazoles. <i>Molecular Crystals and Liquid Crystals</i> , 1997, 297, 233-237.	0.3	3
64	Excited state structural relaxation of N-(1-anthryl)-2,4,6-trimethyl-pyridinium cation. <i>International Journal of Photoenergy</i> , 2004, 6, 69-72.	1.4	3
65	Complex Compounds of Azomethines with an MN <sub>2</sub> S <sub>2</sub> Five-membered Coordination Unit: Metal Chelates of 2-{[4-(3,5-Diphenyl-4,5-dihydropyrazol-1-yl)benzylidene]amino}benzenethiol. <i>Russian Journal of General Chemistry</i> , 2004, 74, 772-775.	0.3	3
66	Photoisomerization of quinolin-2-yl derivatives of 1 <sup>2</sup> -tropolone. <i>Russian Chemical Bulletin</i> , 2006, 55, 484-491.	0.4	3
67	New fluorescent 2-(5-acetoacetyl-2-furyl)-benzazoles with prochiral methylene group protons. <i>Chemistry of Heterocyclic Compounds</i> , 2011, 47, 690-694.	0.6	3
68	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
69	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
70	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 1/2-Osulfonamido bridges. <i>Polyhedron</i> , 2020, 190, 114763.	1.0	3
71	Synthesis and photochromic properties of N 2-alkyl-5-furyl-4-thienylpyridazinones. <i>Russian Chemical Bulletin</i> , 2011, 60, 168-174.	0.4	2
72	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

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73	Photochromic fluorescent indol-3-yl-substituted maleimides. Russian Journal of Organic Chemistry, 2017, 53, 366-370.	0.3	2
74	Photochromic 1-benzofurylfulgides with modulated fluorescence. Arkivoc, 2017, 2016, 1-10.	0.3	2
75	New Photochromic Spiropyrans with ortho-Hydroxyaldimine Substituent. Doklady Chemistry, 2018, 482, 229-232.	0.2	2
76	New Photochromic Salt Spiropyrans of Indoline Series. Doklady Chemistry, 2019, 484, 58-63.	0.2	2
77	Synthesis, structure, spectroscopic studies and magnetic properties of Cu <sub>2</sub> N <sub>2</sub> O <sub>4</sub> -, Cu <sub>2</sub> N <sub>2</sub> O <sub>2</sub> (S <sub>2</sub> )-, Cu <sub>2</sub> N <sub>2</sub> S <sub>4</sub> -chromophores based on aminomethylene derivatives of pyrazole-5-one(thione). Polyhedron, 2020, 188, 114623.	1.0	2
78	Photochemistry of 1-amino-2,4,6-triphenylpyridinium perchlorate. Chemistry of Heterocyclic Compounds, 1988, 24, 351-351.	0.6	1
79	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
80	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
81	Photochemical properties and structures of N-amino and N-azomethine derivatives of 2,4,6-triphenylpyridinium perchlorates. Russian Chemical Bulletin, 1995, 44, 287-292.	0.4	1
82	Title is missing!. Russian Journal of Organic Chemistry, 2002, 38, 1018-1022.	0.3	1
83	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
84	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
85	Novel Spirocyclic Condensation Products of Gossypol and Fischer's Bases. Chemistry of Natural Compounds, 2018, 54, 1081-1084.	0.2	1
86	New indoline spiropyrans with highly stable merocyanine forms. Mendeleev Communications, 2021, 31, 403-406.	0.6	1
87	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
88	Photoinitiated azo-hydrazo tautomerism of 1-p-toluenesulfonylazo-2,4,6,8-tetrakis(tert-butyl)phenoxazine. International Journal of Photoenergy, 1999, 1, 161-164.	1.4	0
89	Photoinitiated processes in 1-p-tolylsulfonylazo-2,4,6,8-tetrakis(tert-butyl)phenoxazine. Russian Chemical Bulletin, 2000, 49, 1981-1987.	0.4	0
90	2-[N-Acetyl-N-(2-fluorenyl)aminomethylene]benzo[b]thiophen-3(2H)-one, a Molecular Fluorescent Switch. ChemInform, 2003, 34, no.	0.1	0

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91	Novel asymmetric dihetarylethenes derived from N-isopropylindole and thiophene: synthesis and photochromic properties. Russian Chemical Bulletin, 2013, 62, 2424-2429.	0.4	0
92	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. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2022, 48, 261-269.	0.3	0