Ekaterina N Ovchenkova

List of Publications by Year
in descending order

48	463	687363 13	839539 18
papers	citations	h-index	g-index

49	49	49	174
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Self-assembled cobalt(<scp>ii</scp>)porphyrinâ€“fulleropyrrolidine triads <i>via</i> axial coordination with photoinduced electron transfer. New Journal of Chemistry, 2018, 42, 12449-12456.	2.8	31
2	Synthesis and properties of the novel (tetraazaporphinato)/(phthalocyaninato) manganese(III) â€“ Pyridyl-substituted [60]fulleropyrrolidine dyads assembled through donorâ€“acceptor bonding. Dyes and Pigments, 2018, 153, 225-232.	3.7	27
3	Effects of a Central Atom and Peripheral Substituents on Photoinduced Electron Transfer in the Phthalocyanineâ€“Fullerene Donorâ€“Acceptor Solution-Processable Dyads. Journal of Physical Chemistry C, 2020, 124, 4010-4023.	3.1	27
4	New soluble octakis-substituted Co(II) phthalocyanines: Synthesis, spectra, supramolecular chemistry. Dyes and Pigments, 2016, 128, 263-270.	3.7	22
5	Formation Reaction and Chemical Structure of a Novel Supramolecular Triad Based on Cobalt(II) 5,10,15,20-(Tetra-4-Tert-Butylphenyl)-21Ð‚23Ð•Porphyrin and 1-Methyl-2-(Pyridin-4â€²-Yl)-3,4-Fullero[60]Pyrrolidine. Journal of Structural Chemistry, 2018, 59, 711-719.	1.0	22
6	Kinetics of Mn(III)tetraazaporphyrin/C60-pyridyl supramolecular system formation. Tetrahedron, 2015, 71, 6659-6664.	1.9	21
7	Cobalt(II) porphyrin axially coordinated with 2â€²-(pyridin-4-yl)-5â€²-(pyridin-2-yl)-1â€²-(pyridin-2-ylmethyl)-2â€²,4â€²-dihydro-1â€²H-pyrrolo[3â€²,4â€² : 1,2](C₆₀-<i>I</i>_h)[5,6]fullerene: formation, chemical structure, and spectroscopic properties. Journal of Coordination Chemistry, 2017, 70, 2371-2383.	2.2	19
8	Formation Reaction, Spectroscopy, and Photoelectrochemistry of the Donorâ€“Acceptor Complex (5,10,15,20-Tetraphenyl-21,23H-porphinato)cobalt(II) with Pyridyl-Substituted Fullero[60]pyrrolidine. Russian Journal of Inorganic Chemistry, 2019, 64, 605-614.	1.3	18
9	Study of the photoresponse of a titanium anode coated with solution-processed fullerene-containing metal porphyrin/phthalocyanine films. Journal of Molecular Liquids, 2019, 280, 382-388.	4.9	18
10	Synthesis and Characterization of Some Five-Coordinated Tetraazaporphyrin and Phthalocyanine Manganese(III) Complexes. Macroheterocycles, 2010, 3, 63-67.	0.5	17
11	Synthesis and properties of a new (octaethylporphyrinato)-manganese(III)â€“pyridinyl-substituted pyrrolidinofullerene dyad. Russian Journal of Organic Chemistry, 2016, 52, 1503-1508.	0.8	16
12	New dyads based on trifluoromethylated phthalocyanine derivatives and substituted fullerene with possible application photoinduced electron transfer. Journal of Fluorine Chemistry, 2019, 224, 113-120.	1.7	15
13	Covalent and non-covalent systems based on s-, p-, and d-metal macroheterocyclic complexes and fullerenes. Russian Chemical Bulletin, 2021, 70, 239-275.	1.5	14
14	Metalloporphyrin receptors for bases. Russian Chemical Bulletin, 2007, 56, 660-679.	1.5	11
15	Effect of peripheral modification of manganese(III) porphyrazine on its reactivity in the coordination of imidazole. Russian Journal of Organic Chemistry, 2011, 47, 1581-1587.	0.8	10
16	The Hammett acidity function H0 in trifluoroacetic acidâ€“dichloromethane mixtures. Tetrahedron Letters, 2014, 55, 4325-4327.	1.4	10
17	Pyridine coordination to manganese(III) porphyrins: The effect of multiple functional substitution in porphyrin. Russian Journal of Inorganic Chemistry, 2017, 62, 1483-1487.	1.3	10
18	New paramagnets based on nanocarbon and cobalt(II)porphyrin: Magnetocaloric effect and specific heat capacity. Synthetic Metals, 2019, 253, 116-121.	3.9	10

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19	Spectral properties of supramolecular systems based on cobalt(ii)/manganese(iii) phthalocyanine and fullero[60]pyrrolidines with PET. New Journal of Chemistry, 2020, 44, 11262-11270.	2.8	10
20	Complex Formation of Cobalt(II) Octakis(3,5-di-tert-butylphenoxy)phthalocyanine with 2â€²-(Pyridin-4-yl)-5â€²-(Pyridin-2-yl)-1â€²-(Pyridin-2-ylmethyl)-2â€²,4â€²-Dihydro-1â€²H-Pyrrolo[3â€²,4â€²:1,2][C60-Ih][5,6]fullerene. Russian Journal of Inorganic Chemistry, 2018, 63, 1453-1460.	1.3	9
21	Porphyrinâ€“Fullerene Dyad Based on Indium(III) Complex. Donorâ€“Acceptor Complex Formation Equilibrium. Russian Journal of Inorganic Chemistry, 2018, 63, 391-399.	1.3	9
22	Equilibria and Rates of Reactions between Organic N-Bases and Substituted Manganese Phthalocyanine. Russian Journal of Physical Chemistry A, 2019, 93, 236-242.	0.6	9
23	Mechanism of the Self-Assembly of Donorâ€“Acceptor Triads Based on Cobalt(II) Porphyrin Complex and Fullero[60]pyrrolidine, According to Data Obtained by Spectroscopic and Electrochemical Means. Russian Journal of Physical Chemistry A, 2020, 94, 1159-1166.	0.6	9
24	Self-organizing donor-acceptor assemblies of cobalt(II) porphyrin ligated with gold(III) porphyrin or fullero[60]pyrrolidine in liquid medium. Journal of Molecular Liquids, 2021, 326, 115306.	4.9	9
25	Three cobalt(II) porphyrins ligated with pyridyl-containing nanocarbon/gold(III) porphyrin for solar cells: Synthesis and characterization. Polyhedron, 2021, 203, 115223.	2.2	9
26	Meso-carbazole substituted porphyrin complexes: Synthesis and spectral properties according to experiment, DFT calculations and the prediction by machine learning methods. Dyes and Pigments, 2022, 204, 110470.	3.7	9
27	Carbazole-functionalized cobalt(ii) porphyrin axially bonded with C60/C70 derivatives: synthesis and characterization. New Journal of Chemistry, 2021, 45, 9053-9065.	2.8	8
28	Synthesis, Physicochemical Characterization and Pyridine Binding to		

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37	The donorâ€“acceptor dyad based on high substituted fullero[70]pyrrolidine-coordinated manganese (III) phthalocyanine for photoinduced electron transfer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 263, 120166.	3.9	3
38	Reactivity of mixed manganese complexes with porphyrins and anionic ligands. Effect of modification of the organic part of the molecule. Russian Journal of Organic Chemistry, 2006, 42, 596-602.	0.8	2
39	Kinetics and mechanism of the reaction of manganese(III) octaethylporphine with hydrogen peroxide. Russian Journal of General Chemistry, 2007, 77, 641-647.	0.8	2
40	Role of the central manganese(III) ion in the hydrogen peroxide oxidation mechanism of (2,3,7,8,12,13,17,18-octaalkyl-5(5,10)(5,15)-phenyl(diphenyl)porphinato)chloromanganese(III). Russian Journal of Inorganic Chemistry, 2011, 56, 2001-2008.	1.3	2
41	Disproportionation of hydrogen peroxide in the presence of Mn(III) complexes with various porphyrins and acid anions. Russian Journal of General Chemistry, 2006, 76, 1487-1493.	0.8	1
42	Kinetics and mechanism of oxidation of manganese(III) acidoporphyrin complexes with hydrogen peroxide. Russian Journal of Inorganic Chemistry, 2006, 51, 1820-1825.	1.3	1
43	Thermodynamics of the equilibrium of the reaction between (5,10,15,20-tetra(2-methoxyphenyl)porphinato)chloroindium(III) and pyridine. Russian Journal of Physical Chemistry A, 2017, 91, 1279-1284.	0.6	1
44	N Basicity of Substituted Fullero[60]/[70]pyrrolidines According to DFT/TD-DFT Calculations and Chemical Thermodynamics. Journal of Physical Chemistry A, 2021, 125, 5365-5374.	2.5	1
45	Photoinduced Absorption Spectra of Donorâ€“Acceptor Systems Based on Cobalt(II) and Manganese(III) Phthalocyanine Complexes with Femtosecond Time Resolution. Russian Journal of Physical Chemistry A, 2022, 96, 717-723.	0.6	1
46	Thermodynamic Basicity Constants of Highly Substituted Manganese Porphyrazines and Their Connection to the Structure of Molecules. Russian Journal of Physical Chemistry A, 2021, 95, 1791-1797.	0.6	0
47	DONOR-ACCEPTOR DYADS BASED ON OCTAKIS - SUBSTITUTED COBALT(II) PHTHALOCYANINE AND DIFFERENT FULLERO[60]/[70]PYRROLIDINES. Polyhedron, 2022, , 115908.	2.2	0
48	Donor-acceptor interactions of gold(III) porphyrins with cobalt(II) phthalocyanine: chemical structure of products, their spectral characterization and DFT study. Dalton Transactions, 0, , .	3.3	0