

# Oleg V Mikhailov

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81 papers	663 citations	15 h-index	20 g-index
95 ext. papers	717 ext. citations	2.5 avg, IF	4.73 L-index

#	Paper	IF	Citations
81	Amendment to: Structural changes at complexing of 3d (4d) elements with "template" tetradentate ligand $\square$ , 1,8-diimino-1,8-dimercapto-3,6-diazaoctadien-3,5-dithione-2,7: DFT analysis. <i>Journal of Chemical Sciences</i> , <b>2022</b> , 134, 1	1.8	
80	Structural changes at complexing of 3d (4d) elements with $\square$ template $\square$ tetradentate ligand $\square$ 1,8-diimino-1,8-dimercapto- 3,6-diazaoctadien-3,5-dithione-2,7: DFT analysis. <i>Journal of Chemical Sciences</i> , <b>2021</b> , 133, 1	1.8	
79	A new chemical compound with an unusual ratio of number of carbon and nitrogen atoms - C(N): quantum-chemical modelling.. <i>RSC Advances</i> , <b>2021</b> , 11, 35974-35981	3.7	1
78	(H,H)-Isomerism of cis- and trans-di[benzo]porphyrazines: Quantum chemical modeling within the framework of the DFT method. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2021</b> , 25, 858-865	1.8	1
77	Models of Molecular Structures of Hexa-Nuclear AlFe Metal Clusters (n + m = 6): DFT Quantum-Chemical Design. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
76	Molecular structures and thermodynamics of stable N4, N6 and N8 neutral poly-nitrogens according to data of QCISD(T)/TZVP method. <i>Chemical Physics Letters</i> , <b>2020</b> , 753, 137594	2.5	3
75	M(VI) Oxidation State Stabilization in Iron, Cobalt and Nickel Heteroligand Metal Chelates Containing 3,7,11,15-Tetraazaporphine and Two Axial Oxo Ligands: Quantum-Chemical Simulation. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
74	About of Possibility of Existence of Zn(IV) Oxidation State in Heteroligand Complexes with Porphyrizine, trans-Di[benzo]porphyrizine, Phthalocyanine, and Oxo Ligands: Quantum-Chemical Review. <i>Comments on Inorganic Chemistry</i> , <b>2020</b> , 40, 107-115	3.9	1
73	Quantum-Chemical Design of Molecular Structures of Tetra-, Penta- and Hexanuclear Metal Clusters Containing Aluminum and 3-Element Atoms. <i>Materials</i> , <b>2020</b> , 13,	3.5	1
72	MOLECULAR STRUCTURE MODELS OF Al <sub>2</sub> Ti <sub>3</sub> AND Al <sub>2</sub> V <sub>3</sub> CLUSTERS ACCORDING TO DFT QUANTUM-CHEMICAL CALCULATION. <i>European Chemical Bulletin</i> , <b>2020</b> , 9, 62	0.5	13
71	DFT study on the relative stability of isomeric macrocyclic metal chelates of divalent 4D-element ions with tetradentate (N <sub>4</sub> SSN)- and (NNNN)- $\square$ template $\square$ ligands. <i>European Chemical Bulletin</i> , <b>2020</b> , 9, 329	0.5	4
70	Copper (IV) Stabilization in Macrocyclic Complexes with 3,7,11,15-Tetraazaporphine, Its Di[benzo]- or Tetra[benzo] Derivatives and Oxide Anion: Quantum-Chemical Research. <i>Materials</i> , <b>2020</b> , 13,	3.5	4
69	DFT Quantum-Chemical Modeling Molecular Structures of Cobalt Macrocyclic Complexes with Porphyrizine or Its Benzo-Derivatives and Two Oxygen Acido Ligands. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	9
68	Combination of phthalocyanine and fluoride ligand for Zn(III) stabilization: Quantum-chemical consideration. <i>Inorganic Chemistry Communication</i> , <b>2019</b> , 108, 107526	3.1	2
67	Elemental Silver Nanoparticles: Biosynthesis and Bio Applications. <i>Materials</i> , <b>2019</b> , 12,	3.5	17
66	Periodic law and system of chemical elements: 150 years from the date of discovery. <i>Reviews in Inorganic Chemistry</i> , <b>2019</b> , 39, 139-156	2.4	
65	About possibility of stabilization of unusual copper(IV) oxidation state in complexes with porphyrizine and two fluorine ligands: Quantum-chemical design. <i>Inorganic Chemistry Communication</i> , <b>2019</b> , 106, 224-227	3.1	11

64	Novel oxidation state Zinc(III) in chelate with 3,7,11,15-tetraazaporphine and one fluorine ligand: Quantum-chemical modeling. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2019</b> , 23, 685-689	1.8	6
63	Elemental silver nano-sized crystals: various geometric forms and their specific growth parameters. <i>Crystallography Reviews</i> , <b>2019</b> , 25, 54-75	1.3	2
62	Progress in the synthesis of Ag nanoparticles having manifold geometric forms. <i>Reviews in Inorganic Chemistry</i> , <b>2018</b> , 38, 21-42	2.4	3
61	Molecular structures of M(II) chelates with compartmental (N,N)-, (N,O)- and (N,S)-donor ligands and articulated metal chelate cycles. <i>Reviews in Inorganic Chemistry</i> , <b>2018</b> , 38, 163-191	2.4	2
60	Achievements in the Synthesis of Elemental Silver Nanoparticles with Various Geometric Forms. <i>Current Nanoscience</i> , <b>2018</b> , 15, 112-128	1.4	2
59	Electrophilic substitution in the d-metal hexacyanoferrate(II) gelatin-immobilized matrix systems. <i>Reviews in Inorganic Chemistry</i> , <b>2018</b> , 38, 103-126	2.4	2
58	Molecular structure design and soft template synthesis of aza-, oxaza- and thiaazamacrocyclic metal chelates in the gelatin matrix. <i>Arabian Journal of Chemistry</i> , <b>2017</b> , 10, 47-67	5.9	9
57	Polycyclic 3d-metalchelates formed owing to inner-sphere transmutations in the gelatin matrix: synthesis and structures. <i>Reviews in Inorganic Chemistry</i> , <b>2017</b> , 37, 71-94	2.4	5
56	Polypeptide-matrix Synthesis and Quantum-chemical Models of Molecular Structures of 3d-metal Macro Heterocyclic Compounds. <i>Current Organic Chemistry</i> , <b>2017</b> , 21,	1.7	2
55	Models of molecular structure of heteronuclear clusters Al <sub>2</sub> Fe <sub>3</sub> , Al <sub>2</sub> Co <sub>3</sub> , and Al <sub>2</sub> Ni <sub>3</sub> according to the data of quantum-chemical density functional simulation. <i>Russian Journal of General Chemistry</i> , <b>2016</b> , 86, 1991-1999	0.7	3
54	DFT analysis of molecular structure of 14-membered tetraaza-, dioxotetraaza-, and hexaazamacroheterocyclic ligands and their metal complexes. <i>Russian Journal of General Chemistry</i> , <b>2016</b> , 86, 1102-1107	0.7	4
53	DFT OPBE/TZVP Calculation of Molecular Structures of (5656) Macroheterocyclic Chelates of Double Charged 3d-Element Ions with 1,5,8,11-Tetraazacyclotetradecanetetraethione-2,3,9,10 and Its Dioxo- and Dithia Analogs. <i>Macroheterocycles</i> , <b>2016</b> , 9, 268-276	2.2	12
52	Summary of the 3rd sol-gel conference of the CIS countries. <i>Journal of Sol-Gel Science and Technology</i> , <b>2016</b> , 80, 233-238	2.3	
51	Possibility of template synthesis with junction of metallacycles containing trans-located nitrogen atoms in the 3d metal(II) ion-dithiooxamide-acetone systems as predicted by DFT simulation data. <i>Russian Journal of General Chemistry</i> , <b>2015</b> , 85, 628-633	0.7	6
50	Sol-gel technology and template synthesis in thin gelatin films. <i>Journal of Sol-Gel Science and Technology</i> , <b>2014</b> , 72, 314-327	2.3	18
49	A new version of the Hirsh index: The j-index. <i>Herald of the Russian Academy of Sciences</i> , <b>2014</b> , 84, 217-220	0.7	7
48	Molecular nanotechnologies of gelatin-immobilization using macrocyclic metal chelates. <i>Nano Reviews</i> , <b>2014</b> , 5,		8
47	Molecular structures of metalmacrocyclic chelates of 3d-elements formed at template synthesis in the ion M(II)- thiooxamide-guanidine-formaldehyde quaternary systems. <i>Open Chemistry</i> , <b>2013</b> , 11, 1822-1829	1.6	1

46	Molecular structures of (5456)metalamacrocyclic chelates with 7-imino-1-oxa-3,6,8,11-tetraazacyclododecanetetrathione-4,5,9,10 formed at template synthesis according to DFT OPBE/TZVP method data. <i>Inorganica Chimica Acta</i> , <b>2013</b> , 408, 246-250	2.7	26
45	Synthesis of 3d-element metalamacrocyclic chelates into polypeptide biopolymer medium and their molecular structures. <i>Inorganica Chimica Acta</i> , <b>2013</b> , 394, 664-684	2.7	43
44	Structures of metalamacrocyclic compounds arising from Self-assemblyIn ion 3d-elementdithiooxamide-hydroxysubstituted acetaldehyde ternary systems. <i>Inorganica Chimica Acta</i> , <b>2013</b> , 408, 199-203	2.7	13
43	Electron paramagnetic resonance study of the $TiCl_4/Al(i-C_4H_9)_3$ system. <i>Russian Journal of Physical Chemistry A</i> , <b>2012</b> , 86, 1177-1179	0.7	1
42	The relative stability of macrotricyclic metal complexes in $M(II)$ -thiocarbohydrazide-acetone ( $M = Mn, Fe, Co, Ni, Cu, Zn$ ) ternary systems according to the data of quantum-chemical calculations. <i>Russian Journal of Physical Chemistry A</i> , <b>2011</b> , 85, 152-155	0.7	10
41	Stability of isomeric chelates in $M(II)$ -thiocarbamoylmethanamide-ethandial systems according to the DFT B3LYP method ( $M = Mn, Fe, Co, Ni, Cu, Zn$ ). <i>Russian Journal of Physical Chemistry A</i> , <b>2011</b> , 85, 1475-1477	0.7	7
40	SOFT TEMPLATE SYNTHESIS OF $Fe(II,III)$ , $Co(II,III)$ , $Ni(II)$ AND $Cu(II)$ METALMACROCYCLIC COMPOUNDS IN GELATIN-IMMOBILIZED MATRIX IMPLANTS. <i>Reviews in Inorganic Chemistry</i> , <b>2010</b> , 30,	2.4	6
39	Novel modification of elemental silver formed in $Ag_4[Fe(CN)_6]$ -gelatin-immobilized matrix Implants. <i>Open Chemistry</i> , <b>2010</b> , 8, 448-452	1.6	
38	Mild template synthesis in the iron(III)-ethanedithioamide-1,2-formaldehyde triple system on a $K[Fe_2(CN)_6]$ gelatin-immobilized matrix. <i>Journal of Coordination Chemistry</i> , <b>2009</b> , 62, 1058-1066	1.6	10
37	Complexing reactions in the $Ni(II)$ -5-methyl-4-amino-3-thiooxo-1,2,4-triazapentene-1-methanal and $Ni(II)$ -5-methyl-4-amino-3-thiooxo-1,2,4-triazapentene-1-propanone triple systems. <i>Journal of Coordination Chemistry</i> , <b>2009</b> , 62, 2792-2795	1.6	1
36	DFT Calculations of Space Structures of $M(II)$ Complexes with (N,N,N,N)-Coordinating Macroheterocyclic Ligand 1,8-Dioxa-3,6,10,13-tetraazacyclotetradecanetetrathione-4,5,11,12. <i>Macroheterocycles</i> , <b>2009</b> , 2, 271-274	2.2	26
35	Gelatin-immobilized metal complexes: synthesis and applications. <i>Journal of Coordination Chemistry</i> , <b>2008</b> , 61, 1333-1384	1.6	19
34	Soft template synthesis in the cobalt(III)-1,2-diaminoethane-1,2-dithione-propanone triple system on a $K[CoFe(CN)_6]$ -gelatin-immobilized matrix. <i>Transition Metal Chemistry</i> , <b>2008</b> , 33, 523-527	2.1	7
33	Template Synthesis into Gelatin-Immobilized Matrix as Perspective Method of Obtaining Supramolecular Macroheterocyclic Compounds. <i>Macroheterocycles</i> , <b>2008</b> , 1, 90-97	2.2	12
32	Complexing processes in $M(II)$ -dithiomalonamide-diacetyl triple systems ( $M = Ni, Cu$ ) in ethanol solution and in a metal(II)hexacyanoferrate(II) gelatin-immobilized matrix materials. <i>Transition Metal Chemistry</i> , <b>2005</b> , 30, 18-21	2.1	9
31	Soft template synthesis of cobalt(III) chelates with 2,8-dithio-3, 7-diaza-5-oxa-nonandithioamide-1,9 and with 2,7-dithio-3,6-diazaoctadien-3, 5-dithioamide-1,8 into cobalt(III)hexacyanoferrate(II) gelatin-immobilized matrix materials. <i>Transition Metal Chemistry</i> , <b>2005</b> , 30, 22-26	2.1	7
30	Template synthesis in the nickel(II)-thiocarbohydrazide-propanone triple system. <i>Transition Metal Chemistry</i> , <b>2005</b> , 30, 299-304	2.1	16
29	Template synthesis in the $M(II)$ -thiocarbohydrazide-diacetyl triple system. <i>Transition Metal Chemistry</i> , <b>2004</b> , 29, 732-736	2.1	21

28	Soft template synthesis of macrocyclic copper(II) chelates with 3,9-dithio-4,8-diaza-6-oxaundekandithioamide-1,11 in a Cu <sub>2</sub> [Fe(CN) <sub>6</sub> ]-gelatin-immobilized matrix. <i>Transition Metal Chemistry</i> , <b>2003</b> , 28, 592-594	2.1	12
27	Mild template synthesis of a copper(II)-containing macrocyclic compound with 4,4,6-trimethyl-2,3,7,8-tetraazanonen-6-dithiohydrazide-1,9 in a gelatin-immobilized matrix. <i>Transition Metal Chemistry</i> , <b>2003</b> , 28, 665-667	2.1	21
26	Copper(II)- Heterocyclic Compounds with 4,5-Dimethyl-2,3,6,7-tetraazaocadien-3,5-dithiohydrazide-1,8 and 3,10-Dithio-6,7,13,14-tetramethyl-1,2/4,5,8/9/11,12-octaazacyclotetradekatetraen-1,5,7,12 Obtained in Gelatin-Immobilized Matrix as a Result of Template Synthesis. <i>Heterocyclic Communications</i> , <b>2003</b> , 9,	1.7	9
25	Cobalt(II)-8-mercaptoquinolines complexing in cobalt(II) hexacyanoferrate(II) gelatin-immobilized matrix materials. <i>Transition Metal Chemistry</i> , <b>2002</b> , 27, 159-162	2.1	4
24	MII-N-diisopropoxythiophosphorylthiobenzamide complexing processes in M <sub>2</sub> [Fe(CN) <sub>6</sub> ]-gelatin-immobilized matrices (M = Co, Ni, Cu). <i>Transition Metal Chemistry</i> , <b>2002</b> , 27, 423-428 <sup>2.1</sup>	2.1	3
23	Low-Temperature Template Synthesis of Nickel-Containing Heterocyclic Compound with 2,8-Dithio-3,5,7-triazanonandithioamide-1,9 in Gelatin-Immobilized Matrix. <i>Heterocyclic Communications</i> , <b>2001</b> , 7,	1.7	1
22	Cobalt(III)-8-mercaptoquinoline complexing in cobalt(III)hexacyanoferrate(II) gelatin-immobilized matrix systems. <i>Transition Metal Chemistry</i> , <b>2000</b> , 25, 341-343	2.1	1
21	Low-temperaturic template synthesis of macrocyclic cobalt(III) chelates with (N,N,S,S)-donor atomic ligands in the cobalt(II)dithiooxamide-formaldehyde and cobalt(II)dithiooxamide-glyoxal systems in the Co <sub>2</sub> [Fe(CN) <sub>6</sub> ]-gelatin-immobilized matrices. <i>Transition Metal Chemistry</i> , <b>2000</b> , 25, 26-31	2.1	21
20	Copper(II)8-mercaptoquinoline, copper(II)8,8-dimercaptoquinoline and copper(II)8-thiomethyl-8-mercaptoquinoline complexing in a copper(II)hexacyanoferrate(II) gelatin-immobilized matrix. <i>Transition Metal Chemistry</i> , <b>2000</b> , 25, 45-51	2.1	3
19	Soft template synthesis in copper(II)dithiooxamideethanal, copper(II)dithiooxamideethanal and copper(II)dithiooxamidepropanone triple systems in a copper(II)hexacyanoferrate(II) gelatin-immobilized matrix. <i>Transition Metal Chemistry</i> , <b>2000</b> , 25, 552-558	2.1	25
18	Copper(II)1,2-bis(thiocarbamoyl)hydrazine and copper(II)1-carbamoyl-2-thiocarbamoyl)hydrazine complexing in copper(II)hexacyanoferrate(II) gelatin-immobilized matrix systems. <i>Transition Metal Chemistry</i> , <b>2000</b> , 25, 32-36	2.1	2
17	Ni(II)- and Cu(II)-Containing Heterocyclic Compounds with 4,4',6-trimethyl-2,8-dithio-3,7-diazanon-6-dithioamide-1,9 Obtained in Gelatin-Immobilized Matrices in the Template Synthesis Process. <i>Heterocyclic Communications</i> , <b>2000</b> , 6,	1.7	15
16	Soft template synthesis of (2,8-dithio-3,7-diaza-5-oxanonandithioamide-1,9) nickel(II) and (2,7-dithio-3,6-diazaocadien-3,5-dithioamide-1,8)nickel(II) using a nickel(II)hexacyanoferrate(II) gelatin-immobilized matrix. <i>Transition Metal Chemistry</i> , <b>1999</b> , 24, 503-510	2.1	22
15	Complexing between copper(II) and bulky substituted 3-benzoyl thioureas in copper(II) hexacyanoferrate(II) gelatin-immobilized matrix systems. <i>Transition Metal Chemistry</i> , <b>1999</b> , 24, 218-223	2.1	2
14	Cobalt(III)-dithiooxamide, cobalt(III)-N,N'-diphenylthiooxamide and cobalt(III)-N,N'-diphenyldithiooxamide complexing in the KCo[Fe(CN) <sub>6</sub> ]-gelatin-immobilized matrices. <i>Transition Metal Chemistry</i> , <b>1999</b> , 24, 517-524	2.1	5
13	Complexing of nickel(II) with 8-mercaptoquinoline and of its 5-derivatives in nickel(II)hexacyanoferrate(II) gelatin-immobilized matrix systems. <i>Transition Metal Chemistry</i> , <b>1999</b> , 24, 350-354	2.1	1
12	Iron(II)-8-mercaptoquinoline, iron(II)-5-chloro-8-mercaptoquinoline and iron(II)-5-bromo-8-mercaptoquinoline complexing in the iron(III) hexacyanoferrate(II) gelatin-immobilized matrix systems. <i>Transition Metal Chemistry</i> , <b>1998</b> , 23, 497-500	2.1	3
11	Novel coordination compounds of nickel(II) and copper(II) with N,N'-diphenylthiooxamide; formation of complexed metalhexacyanoferrate(II) gelatin-immobilized matrix systems. <i>Transition Metal Chemistry</i> , <b>1998</b> , 23, 195-199	2.1	7

10	Mild template synthesis of nickel(II) and copper(II) chelates with an (N,N,S,S)-tetradentate ligand in metal hexacyanoferrate(II)-immobilised matrix systems. <i>Mendeleev Communications</i> , <b>1998</b> , 8, 96-97	1.9	9
9	Complexes of elements with chelate and macrocyclic ligands as promising components of nonsilver photographic systems. <i>Russian Chemical Reviews</i> , <b>1997</b> , 66, 665-678	6.8	5
8	THE COMPLEXING INTO METAL-CONTAINING GELATIN-IMMOBILIZED MATRICES AS NOVEL PERSPECTIVE METHOD OF COORDINATION POLYMERS SYNTHESIS. UNCHELATED COORDINATION POLYMERS OF NICKEL (II) AND COPPER(II) WITH DITHIOOXAMIDE. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1997</b> , 126, 129-136	1	3
7	From novel complexing conditions to novel coordination compounds of copper(II) with dithiooxamide and its bulky analogues. <i>Transition Metal Chemistry</i> , <b>1997</b> , 22, 535-540	2.1	13
6	From novel complexing conditions to novel coordination compounds of nickel(II) with dithiooxamide and its bulky analogues. <i>Transition Metal Chemistry</i> , <b>1996</b> , 21, 363-369	2.1	23
5	Complex formation processes in 3d metal hexacyanoferrate(II) gelatin-immobilised matrices. <i>Russian Chemical Reviews</i> , <b>1995</b> , 64, 657-673	6.8	19
4	Geometric isomerism of nickel(II) with monochlorobenzhydrazide chelate complexes. <i>Transition Metal Chemistry</i> , <b>1992</b> , 17, 292-294	2.1	
3	Complexing processes on the immobilized matrices of hexacyanoferrate(II) copper(II) and nitrogen-sulfur-containing ligands in thin gelatin layer. <i>Monatshefte Für Chemie</i> , <b>1991</b> , 122, 595-603	1.4	16
2	Complexing processes on the immobilized matrices of hexacyanoferrate(II)-nickel(II) and nitrogen-sulfur ligands in thin gelatin layer. <i>Monatshefte Für Chemie</i> , <b>1990</b> , 121, 601-607	1.4	12
1	Encyclopedia of the Elemental Carbon (with a Commentary Tailored for Inorganic Chemists). <i>Comments on Inorganic Chemistry</i> , 1-7	3.9	