

Matvey Gruzdev

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Magnetic properties of the mononuclear iron (III) complexes with biphenyl- <i>o</i> -disubstituted Schiff base ligand: EPR and SQUID study. Applied Organometallic Chemistry, 2022, 36, .	3.5	1
2	The Branched Schiff Base Cationic Complexes of Iron(III) with Different Counter-Ions. Symmetry, 2022, 14, 1140.	2.2	2
3	METAL-ORGANIC FRAMEWORKS IN RUSSIA: FROM THE SYNTHESIS AND STRUCTURE TO FUNCTIONAL PROPERTIES AND MATERIALS. Journal of Structural Chemistry, 2022, 63, 671-843.	1.0	35
4	Phase behaviour and magnetocaloric effect of poly(propylene imine) Iron(III) dendromesogen of the third generation. Liquid Crystals, 2021, 48, 588-597.	2.2	2
5	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
6	Schiff base complexes with different metals incorporating derivatives of 3,6-di- <i>tert</i> -butylcarbazole. Applied Organometallic Chemistry, 2021, 35, e6145.	3.5	5
7	Polymorphic forms of antiandrogenic drug nilutamide: structural and thermodynamic aspects. Physical Chemistry Chemical Physics, 2021, 23, 9695-9708.	2.8	15
8	Imidazolium zwitterion-based protic ionic liquids: from monomers to polymer membranes. Polymer International, 2021, 70, 1582-1589.	3.1	5
9	Dendritic Iron(III) Carbazole Complexes: Structural, Optical, and Magnetic Characteristics. Materials, 2021, 14, 5445.	2.9	7
10	Alkylimidazolium Protic Ionic Liquids: Structural Features and Physicochemical Properties. ChemPhysChem, 2021, , .	2.1	7
11	Synthesis, EPR study and photophysical properties of a mononuclear Fe(III) Schiff base complex functionalized by 3,6-di- <i>tert</i> -butyl-carbazole moieties. Journal of Molecular Structure, 2020, 1200, 127090.	3.6	6
12	Physico-chemical characterization of alkyl-imidazolium protic ionic liquids. Journal of Molecular Liquids, 2020, 297, 111305.	4.9	19
13	Highly branched mesomorphic iron(III) complexes with a long alkyl fragments on periphery. Journal of Molecular Liquids, 2020, 320, 114505.	4.9	2
14	Tetrachloromethane Hydrodechlorination over Palladium-Containing Nanodiamonds. Petroleum Chemistry, 2020, 60, 1148-1153.	1.4	1
15	Novel fluorescence quenching triad based on molybdenum(V) tetra- <i>p</i> -tolylporphyrin and substituted fullerene[60]pyrrolidine. Journal of Porphyrins and Phthalocyanines, 2020, 24, 1224-1232.	0.8	3
16	Mechanism of the Self-Assembly of Donor-Acceptor Triads Based on Cobalt(II) Porphyrin Complex and Fullerene[60]pyrrolidine, According to Data Obtained by Spectroscopic and Electrochemical Means. Russian Journal of Physical Chemistry A, 2020, 94, 1159-1166.	0.6	9
17	Phase Transitions in Mesogenic Third Generation Poly(Propyleneimine) Dendrimer and Its Iron(II) Complex. Russian Journal of Inorganic Chemistry, 2020, 65, 640-645.	1.3	4
18	Effects of a Central Atom and Peripheral Substituents on Photoinduced Electron Transfer in the Phthalocyanine-Fullerene Donor-Acceptor Solution-Processable Dyads. Journal of Physical Chemistry C, 2020, 124, 4010-4023.	3.1	27

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19	MAGNETOCALORIC EFFECT AND HEAT CAPACITY OF MAGNETIC FLUIDS. ChemChemTech, 2020, 63, 12-18.	0.3	2
20	Thermodynamic Characteristics of Ionic Liquids Derived from Bromide Salts of 1,3-Dialkylbenzimidazole. Russian Journal of Inorganic Chemistry, 2020, 65, 703-710.	1.3	0
21	Synthesis and phase behaviour of poly(propylene imine) dendromesogens of lowest generations. Liquid Crystals, 2019, 46, 454-468.	2.2	4
22	Liquid crystalline poly(propylene imine) dendrimer-based iron oxide nanoparticles. RSC Advances, 2019, 9, 22499-22512.	3.6	2
23	Formation of Mixed-Ligand Complexes of Mercury(II) with Mono- and Diamine Complexone Ligands in Aqueous Solution. Russian Journal of Physical Chemistry A, 2019, 93, 401-406.	0.6	2
24	New paramagnets based on nanocarbon and cobalt(II)porphyrin: Magnetocaloric effect and specific heat capacity. Synthetic Metals, 2019, 253, 116-121.	3.9	10
25	Thermal properties of protic ionic liquids derivatives triethanolamine-based salts of mineral and organic acids. Journal of Thermal Analysis and Calorimetry, 2019, 138, 703-712.	3.6	4
26	Polymer electrolytes based on PVdF-HFP doped with protic ionic liquids containing different cations. Journal of Molecular Liquids, 2019, 283, 338-345.	4.9	13
27	New Molecular Chemosensors Based on Niobium(V) 5,10,15,20-(Tetra-4-tert-butylphenyl)porphine for Detection of VOCs. Russian Journal of Inorganic Chemistry, 2019, 64, 1538-1547.	1.3	8
28	Triethylamine-Based Salts: Protic Ionic Liquids or Molecular Complexes?. Journal of Physical Chemistry B, 2019, 123, 10794-10806.	2.6	23
29	Diethylamine-based ionic liquids: quantum chemical calculations and experiment. Russian Chemical Bulletin, 2019, 68, 2009-2019.	1.5	8
30	Synthesis and emissive properties of bi-directed azomethine iron(III) complexes based on salicylidene-4-biphenylcarboxylic acid. Journal of Molecular Structure, 2019, 1176, 529-537.	3.6	5
31	Magnetocaloric effect in reduced graphene oxide. Journal of Magnetism and Magnetic Materials, 2019, 476, 604-607.	2.3	9
32	The energetics of solvation and ion-ion interactions in prospidium chloride aqueous solutions. Journal of Molecular Liquids, 2018, 263, 49-52.	4.9	3
33	Mixed-Ligand Complexation of Zinc and Cobalt(II) Complexonates with Amino Acids in an Aqueous Solution. Russian Journal of Inorganic Chemistry, 2018, 63, 180-190.	1.3	2
34	Synthesis and properties of triethanolamine-based salts with mineral and organic acids as protic ionic liquids. Journal of Molecular Liquids, 2018, 249, 825-830.	4.9	27
35	Magnetocaloric properties of dendrimer complexes of Fe(III) with substituted Schiff base. Liquid Crystals, 2018, 45, 907-911.	2.2	10
36	High-spin Fe(III) Schiff based complexes with photoactive ligands. Synthesis, EPR study and magnetic properties. Polyhedron, 2018, 155, 415-424.	2.2	7

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37	Possibility of Protic Ionic Liquids Formation From Triethanolamine with Sulfonamides. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6586-6594.	2.6	2
38	Formation Reaction and Chemical Structure of a Novel Supramolecular Triad Based on Cobalt(II) 5,10,15,20-(Tetra-4-Tert-Butylphenyl)-21D;23D•Porphyrin and 1-Methyl-2-(Pyridin-4-yl)-3,4-Fullero[60]Pyrrolidine. <i>Journal of Structural Chemistry</i> , 2018, 59, 711-719.	1.0	22
39	Triethylammonium-based protic ionic liquids with sulfonic acids: Phase behavior and electrochemistry. <i>Journal of Molecular Liquids</i> , 2018, 266, 139-146.	4.9	40
40	Self-assembled cobalt(II) porphyrin–fulleropyrrolidine triads via axial coordination with photoinduced electron transfer. <i>New Journal of Chemistry</i> , 2018, 42, 12449-12456.	2.8	31
41	Counterion effect on the spin-transition properties of the second generation iron(III) dendrimeric complexes. <i>Inorganica Chimica Acta</i> , 2017, 459, 131-142.	2.4	11
42	Complex formation of mercury(II) chloride with dipeptides. <i>Russian Journal of General Chemistry</i> , 2017, 87, 605-612.	0.8	0
43	EPR detection of presumable quantum behavior of iron oxide nanoparticles in dendrimeric nanocomposite. <i>Inorganica Chimica Acta</i> , 2017, 465, 38-43.	2.4	1
44	Triethanolamine-based protic ionic liquids with various sulfonic acids: Synthesis and properties. <i>Journal of Molecular Liquids</i> , 2017, 242, 838-844.	4.9	32
45	Synthesis and Optical Properties of BODIPY with Active Group on meso- Position. <i>Letters in Organic Chemistry</i> , 2017, 13, 718-725.	0.5	2
46	Structure of Liquid Crystal Poly(Propylene Imine) Dendrimers of the Lowest Generations by X-Ray Analysis. <i>Zhidkie Kristally I Ikh Prakticheskoe Ispol'zovanie</i> , 2017, 17, 83-92.	0.1	2
47	Mössbauer study of the surface of core-shell type nanoparticles. <i>Journal of Surface Investigation</i> , 2016, 10, 35-38.	0.5	4
48	Synthesis and optical properties of p-(4,4-difluoro-4-boron-3a,4a-diaza-s-indacene-8-yl)-4- TM -benzoyloxy-2-hydroxybenzaldehyde. <i>Russian Journal of General Chemistry</i> , 2016, 86, 1973-1975.	0.8	1
49	Structure and phase transitions of azomethine biligand complexes of iron(III) based on 3,4,5-tris(tetradecyloxy)benzoyloxy-4-salicylidene-N-ethyl-N-ethylenediamine. <i>Journal of Structural Chemistry</i> , 2016, 57, 478-490.	1.0	2
50	Optimization of conditions for synthesizing sulfonated hydrazides of benzoic and benzenesulfonic acids. <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 609-617.	0.5	1
51	Thermal behavior and electrochemistry of protic ionic liquids based on triethylamine with different acids. <i>RSC Advances</i> , 2016, 6, 109664-109671.	3.6	43
52	Magnetic properties of novel dendrimeric spin crossover iron(III) complex. <i>Inorganica Chimica Acta</i> , 2016, 439, 186-195.	2.4	13
53	Synthesis and phase behavior of dendrons derived from 3,4,5-tris(tetradecyloxy)benzoic acid with different functional groups in focal point. <i>Journal of Chemical Sciences</i> , 2015, 127, 1801-1810.	1.5	8
54	Blue shift in optical absorption, magnetism and light-induced superparamagnetism in $\hat{3}$ -Fe ₂ O ₃ nanoparticles formed in dendrimer. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	14

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55	Coexistence of spin crossover and magnetic ordering in a dendrimeric Fe(III) complex. <i>Low Temperature Physics</i> , 2015, 41, 15-19.	0.6	10
56	Synthesis and photochemical properties of 3,6-di-tert-butyl-9H-carbazole derivatives. <i>Russian Journal of General Chemistry</i> , 2015, 85, 1431-1439.	0.8	7
57	Optical properties and photoinduced superparamagnetism of Fe^{3+} -Fe ₂ O ₃ nanoparticles formed in dendrimer. <i>Materials Science in Semiconductor Processing</i> , 2015, 38, 336-341.	4.0	5
58	1-Butyl-3-methylimidazolium Salts as New Catalysts to Produce Epoxy-anhydride Polymers with Improved Properties. <i>International Journal of Polymer Science</i> , 2014, 2014, 1-8.	2.7	14
59	Thermodynamic study of mixed-ligand complex formation of copper(II) and nickel(II) nitrilotriacetates with dipeptides in solution. <i>Inorganica Chimica Acta</i> , 2014, 409, 507-511.	2.4	2
60	Thermodynamics of mixed-ligand complex formation of zinc nitrilotriacetate with amino acids and dipeptides in solution. <i>Thermochimica Acta</i> , 2014, 594, 50-57.	2.7	3
61	Synthesis and study of vitrescent materials based on the alkoxybenzoic acids derivatives and triethanolamine. <i>Russian Journal of General Chemistry</i> , 2013, 83, 652-658.	0.8	2
62	Water effect on physicochemical properties of 1-butyl-3-methylimidazolium based ionic liquids with inorganic anions. <i>Journal of Molecular Liquids</i> , 2013, 177, 267-272.	4.9	73
63	Mesomorphic azomethine complexes of Iron(III) based on 4,4'-dodecyloxybenzoyloxybenzoyl-4-salicylidene-2-aminopyridine. <i>Liquid Crystals</i> , 2013, 40, 1541-1549.	2.2	6
64	Thermodynamic and NMR studies of mixed-ligand complex formation of mercury (II) ethylenediaminetetraacetate with dipeptides in solution. <i>Inorganica Chimica Acta</i> , 2013, 394, 685-690.	2.4	1
65	Stepwise magnetic behavior of the liquid crystal iron(III) complex. <i>Journal of Structural Chemistry</i> , 2013, 54, 16-27.	1.0	7
66	Binding ability of Zn-tetraarylporphyrins with two, four and eight		

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73	Mixed complex formation of lead(II) and mercury(II) ethylenediaminetetraacetates with thiourea in an aqueous solution. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2011, 37, 730-737.	1.0	2
74	Effect of the nature of chiral fragment on mesomorphic properties of triphenylene ethers. Russian Journal of General Chemistry, 2011, 81, 714-720.	0.8	7
75	Synthesis of liquid-crystalline 4,4'-dodecyloxybenzoyloxybenzoyl-4-oxy-2-hydroxybenzaldehyde and related azomethine. Russian Journal of General Chemistry, 2011, 81, 1853-1858.	0.8	4
76	Synthesis and phase behavior of branched esters derived from cyclohexylbenzoic acid. Russian Journal of General Chemistry, 2011, 81, 2288-2293.	0.8	4
77	Electrorheological behavior of the hybrid material prepared by cohydrolysis of titanium(IV) isopropoxide with minor additions of a liquid crystal. Russian Journal of Applied Chemistry, 2011, 84, 951-956.	0.5	0
78	Proton-conducting gel electrolytes based on poly(methyl methacrylate) doped with phosphoric acid in N,N-dimethylformamide. Polymer Science - Series A, 2011, 53, 44-51.	1.0	4
79	Structural, Magnetic and Dynamic Characterization of Liquid Crystalline Iron(III) Schiff Base Complexes with Asymmetric Ligands. European Journal of Inorganic Chemistry, 2011, 2011, 1219-1229.	2.0	23
80	Magnetic Resonance and Mössbauer Studies of Superparamagnetic Fe_2O_3 Nanoparticles Encapsulated into Liquid-Crystalline Poly(propylene imine) Dendrimers. ChemPhysChem, 2011, 12, 3009-3019.	2.1	25
81	Mixed-ligand complex formation of mercury (II) ethylenediaminetetraacetate with cysteine and methionine in aqueous solution. Inorganica Chimica Acta, 2011, 371, 53-58.	2.4	8
82	Thermodynamics of heteroligand mercury(II) complexes with nitrilotriacetic acid and ethylenediamine in aqueous solution. Russian Journal of Inorganic Chemistry, 2010, 55, 1238-1242.	1.3	0
83	Mixed-ligand complexation of iron(III) ethylenediaminetetraacetate with iminodiacetate and ethylenediamine in aqueous solution. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2010, 36, 293-297.	1.0	3
84	Thermodynamics of mixed-ligand complexation of mercury(II) ethylenediaminetetraacetate with histidine and lysine in aqueous solution. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2010, 36, 565-571.	1.0	12
85	Bromination of alkylbenzenes in 1-butyl-3-methylimidazolium bromide and its dibromide complex. Russian Journal of General Chemistry, 2010, 80, 263-267.	0.8	4
86	Synthesis and study of heptasubstituted triphenylenes with chiral fragments and predictable type of mesomorphism. Russian Journal of General Chemistry, 2010, 80, 268-274.	0.8	3
87	Iron(III) complexes on the basis of azomethine derived from 4,4'-dodecyloxybenzoyloxybenzoyl-4-oxy-2-hydroxybenzaldehyde. Russian Journal of General Chemistry, 2010, 80, 1954-1962.	0.8	7
88	Propanal hydroamination with p-aminobenzoic acid. Russian Journal of Organic Chemistry, 2010, 46, 634-636.	0.8	3
89	Iron-Containing Poly(propylene imine) Dendromesogens with Photoactive Properties. Macromolecular Chemistry and Physics, 2010, 211, 791-800.	2.2	20
90	Preparation of 1-butyl-3-methylimidazolium salts and study of their phase behavior and intramolecular interactions. Russian Journal of General Chemistry, 2009, 79, 1720-1727.	0.8	31

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91	Synthesis and investigation of triphenylene discotic derivatives with donor and acceptor groups and with predictable type of mesomorphism. Russian Journal of General Chemistry, 2008, 78, 1902-1909.	0.8	2
92	The influence of water on the physicochemical characteristics of 1-butyl-3-methylimidazolium bromide ionic liquid. Russian Journal of Physical Chemistry A, 2008, 82, 1098-1103.	0.6	22
93	Induction of Mesomorphic Properties in Poly(propylene imine) Dendrimers and their Model Compounds. Molecular Crystals and Liquid Crystals, 2004, 409, 29-42.	0.9	11
94	Synthesis and mesomorphic properties of iron(II)-containing dendrimeric complexes derivative of 3,4-dodecyloxybenzoyl poly(propylene imine). Liquid Crystals, 0, , 1-10.	2.2	5