Roman V Rumyantcev

List of Publications by Year
in descending order

40 papers	386 citations	840585 11 h-index	887953 17 g-index
40 all docs	40 docs citations	40 times ranked	323 citing authors

#	Article	IF	Citations
1	LMCT facilitated room temperature phosphorescence and energy transfer in substituted thiophenolates of Gd and Yb. Dalton Transactions, 2017, 46, 3041-3050.	1.6	37
2	Valenceâ€“Tautomeric Interconversion in a Bis(dioxolene)cobalt Complex with Iminopyridine Functionalized by a TEMPO Moiety. Phase Transition Coupled with Monocrystal Destruction. Inorganic Chemistry, 2017, 56, 14751-14754.	1.9	32
3	Novel Oxidovanadium Complexes with Redox-Active R-Mian and R-Bian Ligands: Synthesis, Structure, Redox and Catalytic Properties. Molecules, 2021, 26, 5706.	1.7	26
4	Synthesis and Îµ-Caprolactone Polymerization Activity of Electron-Deficient Gallium and Aluminum Species Containing a Charged Redox-Active dpp-Bian Ligand. Inorganic Chemistry, 2019, 58, 16559-16573.	1.9	23
5	Synthesis, structure and long-lived NIR luminescence of lanthanide ate complexes with perfluorinated 2-mercaptobenzothiazole. Dalton Transactions, 2019, 48, 1060-1066.	1.6	21
6	Sensitization of NIR luminescence of Yb³⁺ by Zn²⁺ chromophores in heterometallic complexes with a bridging Schiff-base ligand. Dalton Transactions, 2017, 46, 10408-10417.	1.6	18
7	Luminescent properties of 2-mercaptobenzothiazolates of trivalent lanthanides. Physical Chemistry Chemical Physics, 2015, 17, 11000-11005.	1.3	17
8	Oneâ€Electron Reduction of 2â€Mono(2,6â€diisopropylphenylimino)acenaphtheneâ€1â€one (dppâ€mian). Chemistry - A European Journal, 2019, 25, 3858-3866.	1.7	13
9	Reduction of CO₂ with Aluminum Hydrides Supported with Ar-BIAN Radical-Anions (Ar-BIAN = 1,2-Bis(arylimino)acenaphthene). Inorganic Chemistry, 2022, 61, 206-213.	1.9	13
10	Metalâ€“Organic Frameworks Derived from Calcium and Strontium Complexes of a Redox-Active Ligand. Inorganic Chemistry, 2021, 60, 3238-3248.	1.9	12
11	Dual Reactivity of 3a,6a-Diaza-1,4-diphosphapentalene: Ï€-Donor versus n-Donor. Inorganic Chemistry, 2020, 59, 11337-11346.	1.9	11
12	Fluorinated mercaptobenzothiazolates of lanthanides: Synthesis, structure and photoluminescence. Journal of Molecular Structure, 2017, 1148, 201-205.	1.8	10
13	Imine-Based Catechols and o-Benzoquinones: Synthesis, Structure, and Features of Redox Behavior. ACS Omega, 2020, 5, 22179-22191.	1.6	10
14	Interaction of dicoordinate phosphorus with boranes: chemistry of 3a,6a-diaza-1,4-diphosphapentalene as masked phosphinidene. Dalton Transactions, 2021, 50, 5890-5898.	1.6	10
15	Cycloaddition of isoselenocyanates to sodium and magnesium metallacycles. Dalton Transactions, 2022, 51, 4113-4121.	1.6	10
16	Features of the Molecular Structure and Luminescence of Rare-Earth Metal Complexes with Perfluorinated (Benzothiazolyl)phenolate Ligands. Molecules, 2019, 24, 2376.	1.7	9
17	Reactivity of Aluminum Complexes of Redox-Active Ligand toward N-Heterocyclic Carbene and Its Thione. Organometallics, 2020, 39, 66-73.	1.1	9
18	Water-Soluble Bismuth(III) Polynuclear Tyrosinehydroximate Metallamacrocyclic Complex: Structural Parallels to Lanthanide Metallacrowns. Molecules, 2020, 25, 4379.	1.7	9

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19	Cerium(<scp>iii</scp>) complexes with azolyl-substituted thiophenolate ligands: synthesis, structure and red luminescence. RSC Advances, 2019, 9, 24110-24116.	1.7	8
20	The Electron Density Distribution in Crystals of Î·⁶â€“[1,4â€“dihydrospiro(2Hâ€“3,1â€“benzoxazineâ€“2,1â€²â€“cyclohexane)]tricarbonylchromium(0): Experiment vs Molecular Invariom. ChemistrySelect, 2019, 4, 10976-10982.	0.7	8
21	pHâ€Responsive Switching Properties of a Waterâ€Soluble Metallamacrocyclic Phenylalaninehydroximate La(III)â€“Cu(II) Complex: Insight into Tuning Protonation Ligand States. European Journal of Inorganic Chemistry, 2019, 2019, 4328-4335.	1.0	8
22	Experimental study of X-ray charge density and the selection of reference points for a source function in Î·6-(2-methyl-1,4-dihydro-2H-3,1-benzoxazine)tricarbonylchromium(0). Mendeleev Communications, 2019, 29, 346-348.	0.6	8
23	Heteroleptic 3-(2-benzothiazol-2-yl)-2-naphtholates of rare earth metals: Features of synthesis and structure. Journal of Organometallic Chemistry, 2015, 777, 42-49.	0.8	6
24	Polynuclear Aminohydroximate Metallamacrocyclic Cu(II)â€Ce(III) Complexes: A Facile Route to Intricate Nanostructures of Copper and Cerium Oxides. European Journal of Inorganic Chemistry, 2019, 2019, 1002-1010.	1.0	6
25	Unexpected Findings in a Simple Metathesis Reaction of Europium and Ytterbium Diiodides with Perfluorinated Mercaptobenzothiazolates of Alkali Metals. Organometallics, 2020, 39, 2972-2983.	1.1	6
26	Utilizing o-quinone methide chemistry: synthesis of sterically hindered acridin-4-ols. Mendeleev Communications, 2021, 31, 262-264.	0.6	6
27	Lanthanide complexes with oxygen bridges as models for potential up-conversion materials. Inorganica Chimica Acta, 2018, 483, 379-385.	1.2	5
28	Novel bis-catecholato heterospin manganese complexes. Inorganica Chimica Acta, 2019, 486, 113-118.	1.2	5
29	Single Crystal X-ray Diffraction Studies of Two Polymorphic Modifications of the Dicarbonyl-o-Semiquinonato Rhodium Complex at Different Temperatures. Destruction Stimulated by Cooling Versus Stability. ACS Omega, 2020, 5, 32792-32799.	1.6	4
30	Pentacoordinated manganese(III) bis-o-iminobenzosemiquinonates: Looking for spin-crossover phenomenon. Journal of Molecular Structure, 2021, 1225, 129092.	1.8	4
31	Synthesis, Structure and Luminescent Properties of Rareâ€Earthâ€Metal Oxyacridinates. European Journal of Inorganic Chemistry, 2021, 2021, 1441-1451.	1.0	4
32	Structural and luminescent properties of homo- and heterometallic complexes of La, Li and Na with 2-(2-benzoxyazol-2-yl)phenolate ligands. Journal of Luminescence, 2018, 203, 286-291.	1.5	3
33	.Solid solutions of redox-isomeric bis-o-semiquinonato cobalt complex with zinc, nickel and manganese compounds having the same composition. Polyhedron, 2021, 209, 115485.	1.0	3
34	New luminescent 10-oxybenzoquinolate complexes of rare earth metals. Journal of Rare Earths, 2023, 41, 1135-1143.	2.5	3
35	Zn(II) complexes of substituted oxyacridinate ligands. Synthesis, structure and properties. Journal of Molecular Structure, 2021, 1229, 129798.	1.8	2
36	1D Coordination polymers based on triphenylantimony(V) 3-formyl-substituted catecholates. Journal of Organometallic Chemistry, 2022, 958, 122190.	0.8	2

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37	Novel ditopic 2-mercaptothiazoles and their sodium salts: synthesis, structural diversity and luminescence. New Journal of Chemistry, 0, , .	1.4	2
38	Experimental distribution of electron density in crystals of Ph3Sb(O2CCH=CHâ€“CH=CHâ€“CH3)2 complex: the selection of a reference point for the source function in the absence of a bond critical point between atoms. Structural Chemistry, 2020, 31, 1841-1849.	1.0	1
39	Luminescence thermochromism in novel mixed Eu(<scp>ii</scp>)â€“Cu(<scp>i</scp>) iodide. Dalton Transactions, 2021, 50, 14244-14251.	1.6	1
40	Synthesis and luminescent properties of heteroleptic lanthanide complexes with oxybenzo[. Australian Journal of Chemistry, 2022, 75, 532-542.	0.5	1