

Andrey V Gavrikov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Novel mononuclear Ln complexes with pyrazine-2-carboxylate and acetylacetonate co-ligands: remarkable single molecule magnet behavior of a Yb derivative. Dalton Transactions, 2017, 46, 11806-11816.	3.3	35
2	Towards comparative investigation of Er- and Yb-based SMMs: the effect of the coordination environment configuration on the magnetic relaxation in the series of heteroleptic thiocyanate complexes. Dalton Transactions, 2019, 48, 12644-12655.	3.3	33
3	Novel heterometallic polymeric lanthanide acetylacetonates with bridging cymantrenecarboxylate groups – synthesis, magnetism and thermolysis. Polyhedron, 2015, 102, 48-59.	2.2	31
4	Yb ³⁺ can be much better than Dy ³⁺ : SMM properties and controllable self-assembly of novel lanthanide 3,5-dinitrobenzoate-acetylacetonate complexes. Dalton Transactions, 2018, 47, 6199-6209.	3.3	30
5	Novel mononuclear and 1D-polymeric derivatives of lanthanides and (Î ⁶ -benzoic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 3369-3380.	3.3	25
6	Magnetic Behavior of Carboxylate and Î ² -Diketonate Lanthanide Complexes Containing Stable Organometallic Moieties in the Core-Forming Ligand. Magnetochemistry, 2016, 2, 38.	2.4	21
7	Luminescent and magnetic properties of mononuclear lanthanide thiocyanates with terpyridine as auxiliary ligand. Inorganica Chimica Acta, 2019, 486, 499-505.	2.4	20
8	Mononuclear Dysprosium Thiocyanate Complexes with 2,2'-Bipyridine and 1,10-Phenanthroline: Synthesis, Crystal Structures, SIM Behavior, and Solid-Phase Transformations. European Journal of Inorganic Chemistry, 2017, 2017, 3561-3569.	2.0	19
9	Polymeric lanthanide acetates with peripheral cymantrenecarboxylate groups – Synthesis, magnetism and thermolysis. Polyhedron, 2015, 85, 941-952.	2.2	18
10	Self-assembly and SMM properties of lanthanide cyanocobaltate chain complexes with terpyridine as blocking ligand. Inorganica Chimica Acta, 2018, 482, 813-820.	2.4	17
11	Eu-Doped layered yttrium hydroxides sensitized by a series of benzenedicarboxylate and sulphobenzoate anions. Dalton Transactions, 2019, 48, 6111-6122.	3.3	14
12	Rapid preparation of SmCoO ₃ perovskite via uncommon though efficient precursors: Composition matters!. Ceramics International, 2020, 46, 13014-13024.	4.8	14
13	Exfoliation of layered yttrium hydroxide by rapid expansion of supercritical suspensions. Journal of Supercritical Fluids, 2019, 150, 40-48.	3.2	13
14	Unexpected Supremacy of Non-Dysprosium Single-Ion Magnets within a Series of Isomorphic Lanthanide Cyanocobaltate(III) Complexes. European Journal of Inorganic Chemistry, 2020, 2020, 4380-4390.	2.0	11
15	Binuclear and polynuclear cymantrenecarboxylate complexes of heavy lanthanides. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2015, 41, 149-161.	1.0	10
16	Mononuclear and binuclear lanthanide acetates with chelating and bridging triethanolamine ligands. Polyhedron, 2018, 154, 54-64.	2.2	10
17	Unexpected hydrolytic transformation of new type hybrid bromobismuthates with methylpyrazinium dications. Dalton Transactions, 2019, 48, 7602-7611.	3.3	9
18	Binuclear terbium(III) pivalates with 4,7-diphenyl-1,10-phenanthroline: synthesis, structure, thermal decomposition, and magnetic and luminescence properties. Russian Chemical Bulletin, 2014, 63, 938-944.	1.5	8

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19	1D Ceric Hydrogen Phosphate Aerogels: Noncarbonaceous Ultraflyweight Monolithic Aerogels. ACS Omega, 2020, 5, 17592-17600.	3.5	8
20	Polymer lanthanide cymantrenecarboxylates. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2015, 41, 805-816.	1.0	7
21	Modification of Poly(4-methyl-2-pentyne) in the Supercritical Fluid Medium for Selective Membrane Separation of CO ₂ from Various Gas Mixtures. Polymers, 2020, 12, 2468.	4.5	7
22	Specific features of the structure, reactivity, thermolysis, and magnetism of cymantrenecarboxylate complexes of lanthanides. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2016, 42, 591-603.	1.0	6
23	New simple La-Ni complexes as efficient precursors for functional LaNiO ₃ -based ceramics. Applied Organometallic Chemistry, 2022, 36, e6519.	3.5	6
24	New synthesis route for obtaining carbon-free hexagonal RE manganites via novel simple individual precursors. The interplay between magnetic and thermodynamic properties of hexagonal RMnO ₃ (R = Tj ETQq0 0 0.2 BT / Overlock 10 T	0.2	10
25	Control of the composition and crystal structure of exchange reaction products of rare-earth acetates with pivalic acid. Inorganica Chimica Acta, 2018, 482, 8-15.	2.4	5
26	Synthesis of lanthanide manganites LnMnO ₃ and LnMn ₂ O ₅ from individual molecular precursors. Russian Journal of Inorganic Chemistry, 2015, 60, 1433-1443.	1.3	4
27	Peculiarities of the Interaction of Rare-Earth Metal Thiocyanates with s-Triazine. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2018, 44, 745-754.	1.0	4
28	Step-by-step: uncommon SCSC transformation accompanied by stepwise change in the binding of a particular ligand within a mononuclear complex upon stepwise desolvation. CrystEngComm, 2020, 22, 2895-2899.	2.6	4
29	Linear Tetranuclear Lanthanide Cymantrenecarboxylates with Diethylene Glycol Ligand: Synthesis, Magnetism, and Thermolysis. European Journal of Inorganic Chemistry, 2021, 2021, 147-155.	2.0	4
30	Coordination polymers of rare-earth elements with 2-aminoterephthalic acid. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2017, 43, 770-779.	1.0	3
31	Dysprosium Thiocyanate Complexes with s-Triazine. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2019, 45, 592-599.	1.0	3
32	Mononuclear Transition Metal Cymantrenecarboxylates as Precursors for Spinel-Type Manganites. Molecules, 2022, 27, 1082.	3.8	3
33	Hybrid iodobismuthates code: adapting the geometry of Bi polyhedra to weak interactions. Mendeleev Communications, 2021, 31, 166-169.	1.6	2
34	New Solvate Polymorphs of Lanthanide Trisacetylacetonates: Crystal Structures of [Ln(acac) ₃ (H ₂ O) ₂] · n Solv (Ln = Eu, Dy; Solv = Thf, H ₂ O + EtOH, MeOH). Russian Journal of Inorganic Chemistry, 2018, 63, 1186-1191.	1.3	1
35	Effect of Synthesis Conditions on the Molecular and Crystal Structures of Heterometallic 1D-Polymeric Acetate Complexes with the {Dy ₂ Co} _n Motif. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2019, 45, 36-41.	1.0	1
36	Preparation and properties of uncommon Cd-Mn carboxylate complexes” per se and as precursors for CdMn ₂ O ₄ -based ceramics. Applied Organometallic Chemistry, 2021, 35, e6190.	3.5	1