

Sergey Simonov

List of Publications by Year in descending order

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docs citations

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times ranked

1558
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyano-Bridged Dy(III) and Ho(III) Complexes with Square-Wave Structure of the Chains. <i>Inorganics</i> , 2022, 10, 41.	2.7	0
2	Na-Alternative to Tinsleyite Obtained under Hydrothermal Conditions: Crystal Structure and Comparative Crystal Chemistry. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 542.	2.0	1
3	Cyano-bridged polynuclear coordination compounds derived from paramagnetic [Mn(H ₂ daptsc)] ²⁺ and photochromic [Fe(CN) ₅ NO] ²⁻ building blocks. <i>CrystEngComm</i> , 2021, 23, 2733-2745.	2.6	1
4	A novel family of hepta-coordinated Cr(III) complexes with a planar pentadentate N3O2 Schiff base ligand: synthesis, structure and magnetism. <i>Inorganica Chimica Acta</i> , 2021, 522, 120358.	2.4	11
5	A Series of Novel Pentagonal-Bipyramidal Erbium(III) Complexes with Acyclic Chelating N3O2 Schiff-Base Ligands: Synthesis, Structure, and Magnetism. <i>Molecules</i> , 2021, 26, 6908.	3.8	9
6	Multimagnetic Properties of a Novel SCO [Fe(3-OMeSal2trien)][Fe(tdas)2]·CH ₃ CN Salt. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 4556-4567.	2.0	3
7	The first pentagonal-bipyramidal vanadium(III) complexes with a Schiff-base N ₃ O ₂ pentadentate ligand: synthesis, structure and magnetic properties. <i>Dalton Transactions</i> , 2020, 49, 15287-15298.	3.3	16
8	Crystal structure and thermodynamic properties of dinickel diphosphate dihydrate Ni ₂ (H ₂ O) ₂ [P ₂ O ₇]. <i>Dalton Transactions</i> , 2020, 49, 17368-17374.	3.3	0
9	Magnetism, Conductivity and Spin-Spin Interactions in Layered Hybrid Structure of Anionic Radicals [Ni(dmit) ₂] Alternated by Iron(III) Spin-Crossover Complex [Fe(III)(3-OMe-Sal2trien)] and Ferric Moiety Precursors. <i>Molecules</i> , 2020, 25, 4922.	3.8	4
10	Synthesis of 1,2-Dicyano-3-arylcycl[3.2.2]azines – First 1,2-Dicarbonitriles Based on Cyclazine Heterocycle. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5852-5856.	2.4	4
11	Growth and Characterization of Neodymium-Doped Yttrium Scandate Crystal Fiber with a Bixbyite-type Crystal Structure. <i>Crystal Growth and Design</i> , 2020, 20, 4593-4599.	3.0	9
12	Novel K/Mn phosphate hydrates, K ₂ Mn ₃ (H ₂ O) ₂ [P ₂ O ₇] ₂ and KMn(H ₂ O) ₂ [Al ₂ (PO ₄) ₃]: hydrothermal synthesis and crystal chemistry. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020, 76, 302-310.	0.5	1
13	Glycine Residue Twists HOMO-HOMO Interactions in a Molecular Conductor. <i>Crystal Growth and Design</i> , 2020, 20, 3546-3554.	3.0	1
14	High-pressure solid solutions of molecular hydrogen in amorphous magnesium silicates. <i>Journal of Alloys and Compounds</i> , 2019, 770, 229-235.	5.5	6
15	Slow Magnetic Relaxation, Antiferromagnetic Ordering, and Metamagnetism in Mn ^{II} (H ₂ dapsc)Fe ^{III} (CN) ₆ Chain Complex with Highly Anisotropic Fe-CN-Mn Spin Coupling. <i>Chemistry - A European Journal</i> , 2019, 25, 14583-14597.	3.3	12
16	Spin-crossover behavior of neutral iron(III) complexes with salicylaldehyde thio-, seleno- and semicarbazone ligands: experiment and theoretical analysis. <i>Dalton Transactions</i> , 2019, 48, 9328-9336.	3.3	10
17	Insights into the influence of ethylene group orientation on the iron(III) spin state in the spin crossover complex [Fe ^{III} (Sal ₂ -trien)] ⁺ . <i>Dalton Transactions</i> , 2018, 47, 16040-16043.	3.3	5
18	Evolution of Spin-Crossover Transition in Hybrid Crystals Involving Cationic Iron Complexes [Fe(III)(3-OMeSal2trien)] ⁺ and Anionic Gold Bis(dithiolene) Complexes Au(dmit) ₂ and Au(dddt) ₂ . <i>Crystals</i> , 2018, 8, 382.	2.2	5

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19	Specific Structural Disorder in an Anion Layer and Its Influence on Conducting Properties of New Crystals of the (BEDT-TTF) ₄ A ⁺ [M ^{3+(ox)3} G] Family, Where G Is 2-Halopyridine; M Is Cr, Ga; A ⁺ Is [K _{0.8} (H ₃ O) _{0.2}] ⁺ . Crystals, 2018, 8, 92.	2.2	12
20	Static Modulation Wave of Arrays of Halogen Interactions Transduced to a Hierarchy of Nanoscale Change Stimuli of Crystalline Rotors Dynamics. Nano Letters, 2018, 18, 3780-3784.	9.1	13
21	Slow magnetic relaxation in mononuclear complexes of Tb, Dy, Ho and Er with the pentadentate (N ₃ O ₂) Schiff-base dapsc ligand. New Journal of Chemistry, 2018, 42, 14883-14893.	2.8	19
22	Shubnikovâ€“de Haas oscillations and electronic correlations in the layered organic metal $\hat{\rho}$ -(BETS) ₂ Mn[N(CN) ₂] ₃ . Low Temperature Physics, 2017, 43, 239-243.	0.6	1
23	A perylene complex with a one-dimensional coordination polymer containing [Mn ₆ O ₂ (CHCl ₂ COO) ₁₀ (H ₂ O) ₂] cluster units linked by 3,10-perylenequinone bridges. New Journal of Chemistry, 2017, 41, 793-801.	2.8	0
24	Synthesis, Structure, and Magnetic Properties of 1D {[Mn ^{III} (CN) ₆][Mn ^{II} (dapsc)] _n } Coordination Polymers: Origin of Unconventional Single-Chain Magnet Behavior. Inorganic Chemistry, 2017, 56, 8926-8943.	4.0	29
25	The Highly Conducting Spin-Crossover Compound Combining Fe(III) Cation Complex with TCNQ in a Fractional Reduction State. Synthesis, Structure, Electric and Magnetic Properties. Magnetochemistry, 2017, 3, 9.	2.4	13
26	New low-dimensional molecular conductors based on bis(ethylenedithio)tetrathiafulvalene radical cation salts with octahedral metal complex anion [ReIVCl ₆] ²⁻ . Russian Chemical Bulletin, 2016, 65, 2388-2395.	1.5	1
27	First radical cation salt of bis(ethylenedithio)tetrathiafulvalene with organic anion [D ₃ (NCN) ₂ NH ₂] ⁻ : synthesis, structure, and conducting properties. Russian Chemical Bulletin, 2016, 65, 2034-2039.	1.5	0
28	The Conducting Spin-Crossover Compound Combining Fe(II) Cation Complex with TCNQ in a Fractional Reduction State. Inorganic Chemistry, 2016, 55, 9121-9130.	4.0	39
29	Effect of Halopyridine Guest Molecules on the Structure and Superconducting Properties of $\hat{\rho}$ â€“3â€“[Bis(ethylenedithio)tetrathiafulvalene] ₄ (H ₃ O)[Fe(C ₂ O ₄) ₃] ₃ Crystals. European Journal of Inorganic Chemistry, 2015, 2015, 5611-5620.		
30	The first photochromic bimetallic assemblies based on Mn(III) and Mn(II) Schiff-base (salpn, dapsc) complexes and pentacyanonitrosylferrate. CrystEngComm, 2015, 17, 3866-3876.	2.6	13
31	Gearing motion in cogwheel pairs of molecular rotors: weak-coupling limit. CrystEngComm, 2015, 17, 7829-7834.	2.6	23
32	meso-Phenyltetrabenzotriazaporphyrin based double-decker lanthanide(III) complexes: synthesis, structure, spectral properties and electrochemistry. Dalton Transactions, 2015, 44, 16553-16564.	3.3	9
33	Structure and optical properties of fullerene C ₆₀ complex with dipyrindinated iron(II) phthalocyanine [Fe(Phthalocyanine)Pc(C ₅ H ₅ N)] ₂ First structure of bisaxially coordinated iron(II) phthalocyanine complex with acetonitrile		

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37	Heterometallic complexes combining $[Mn^{III}(salpn)]^{+}$ and $[Fe(CN)_6]^{4-}$ units as the products of reactions between $[Mn^{III}(salpn)(H_2O)C(CN)_3]$ and $[Fe(CN)_6]^{3-/4-}$. <i>New Journal of Chemistry</i> , 2014, 38, 4167-4176.	2.8	9
38	The first molecular superconductor based on BEDT-TTF radical cation salt with paramagnetic tris(oxalato)rutenate anion. <i>CrystEngComm</i> , 2013, 15, 7048.	2.6	29
39	Manganese(III) complexes with tetradentate (N ₂ O ₂) Schiff bases and dicyanamide. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2013, 39, 201-208.	1.0	5
40	First Mn(III) complexes with tetradentate (N ₂ O ₂) Schiff bases and tricyanomethanide: synthesis, crystal structure, and magnetic properties. <i>Russian Chemical Bulletin</i> , 2013, 62, 1777-1785.	1.5	6
41	Experimental observation of C ₆₀ LUMO splitting in the C ₆₀ ²⁻ dianions due to the Jahn-Teller effect. Comparison with the C ₆₀ ^{•-} radical anions. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9136.	2.8	19
42	Transformation of the $[Mn^{II}_2Mn^{III}_2(hmp)_6]^{4+}$ Core into $[Co^{III}_2Mn^{II}_2(hmp)_6]^{4+}$ in the Reaction of the $[Mn_4(hmp)_6(NO_3)_2(H_2O)_2]^{2+}$ Cluster with $[CoX_4]^{2-}$ (X = Cl, Br). <i>European Journal of Inorganic Chemistry</i> , Structure and spectral properties of fullerene tetraoctylammonium bromide composition in neutral and ionic states: experimental data and theoretical analysis. <i>RSC Advances</i> , 2013, 3, 8341.	2.0	4
43	Amino Acid Derivatives of Tetrathiafulvalene and Their H ₂ A-O Peptide Bond Dipoles Templated Solid State Assemblies. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 921-928.	3.6	8
44	Crystalline Arrays of Pairs of Molecular Rotors: Correlated Motion, Rotational Barriers, and Space-Inversion Symmetry Breaking Due to Conformational Mutations. <i>Journal of the American Chemical Society</i> , 2013, 135, 9366-9376.	2.4	3
45	Superconducting fluctuations in organic molecular metals enhanced by Mott criticality. <i>Scientific Reports</i> , 2013, 3, 3390.	13.7	92
46	Structural phase transition in the β -(BEDT-TTF) ₄ H ₃ O[Fe(C ₂ O ₄) ₃] ₃ ·G crystals (where G is a guest solvent molecule). <i>CrystEngComm</i> , 2012, 14, 460-465.	3.3	17
47	The doubly oxo-bridged dinuclear Fe(III) complex, $[Fe_2(hmp)_2Cl_4]$, as a reaction product of the $[Mn_4(hmp)_6(NO_3)_2(H_2O)_2]^{2+}$ cluster with $[FeCl_4]^{-}$. <i>Inorganic Chemistry Communication</i> , 2012, 21, 57-60.	3.9	5
48	Design and Evaluation of a Crystalline Hybrid of Molecular Conductors and Molecular Rotors. <i>Journal of the American Chemical Society</i> , 2012, 134, 7880-7891.	13.7	52
49	Ionic compound containing iron phthalocyanine (FePc) ⁻ anions and (C ₇₀) ₂ dimers. Optical and magnetic properties of (FePc) ⁻ in the solid state. <i>Dalton Transactions</i> , 2012, 41, 13841.	3.3	37
50	Properties of Mn ²⁺ and \hat{I} -Electron Spin Systems Probed by ¹ H and ¹³ C NMR in the Organic Conductor \hat{I} -(BETS) ₂ Mn[N(CN) ₂] ₃ . <i>Crystals</i> , 2012, 2, 224-235.	2.2	9
51	Single-Crystal-to-Single-Crystal Transformation from \hat{I} -(BEDT-TTF) ₄ [OsNOCi ₅] _{1.33} (C ₆ H ₅ NO ₂) _{0.67} to \hat{I}^{2-} -(BEDT-TTF) ₃ [OsNOCi ₅]. <i>Crystals</i> , 2012, 2, 627-642.	2.2	1
52	Preparation of \hat{I} -2-complexes of fullerenes by reduction. Crystal structure and optical properties of {Ni(dppp) \hat{I} -(\hat{I} -2-C ₇₀) \hat{I} -(C ₆ H ₄ Cl ₂) _{0.5} }. <i>Dalton Transactions</i> , 2011, 40, 9176.	3.3	17
53	Coexistence of two donor packing motifs in the stable molecular metal \hat{I}^{\pm} -pseudo- \hat{I} -(BEDT-TTF) ₄ (H ₃ O)[Fe(C ₂ O ₄) ₃] ₄ ·C ₆ H ₄ Br ₂ . <i>CrystEngComm</i> , 2011, 13, 2430.	2.6	30

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55	Effect of electrocrystallization medium on quality, structural features, and conducting properties of single crystals of the (BEDT-TTF) ₄ Al[FeIII(C ₂ O ₄) ₃]-G family. <i>CrystEngComm</i> , 2011, 13, 537-545.	2.6	32
56	Ultra-fast Rotors for Molecular Machines and Functional Materials via Halogen Bonding: Crystals of 1,4-Bis(iodoethynyl)bicyclo[2.2.2]octane with Distinct Gigahertz Rotation at Two Sites. <i>Journal of the American Chemical Society</i> , 2011, 133, 6371-6379.	13.7	98
57	Structure and properties of ionic fullerene complex Co ⁺ (dpppe) ₂ ·(C ₆₀) TM ·(C ₆ H ₄ Cl ₂) ₂ : distortion of the ordered fullerene cage of C ₆₀ TM radical anions. <i>Dalton Transactions</i> , 2011, 40, 4453.	3.3	23
58	New phase in the water-hydrogen system. <i>Journal of Alloys and Compounds</i> , 2011, 509, S860-S863.	5.5	42
59	Amino acid derivatives of perylenediimide and their N-H...O peptide bond dipoles-templated solid state assembly into stacks. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 8096.	2.8	13
60	1D chain coordination assembly of [Mn ₄ (hmp) ₆ (NO ₃) ₂] ²⁺ single-molecule magnets linked by the photochromic [FeNO(CN) ₅] ²⁻ precursor. <i>Inorganica Chimica Acta</i> , 2011, 378, 169-173.	2.4	14
61	Crystal structure of the new organic conductor (TSeF) ₇ [FeNO(CN) ₅] ₂ with unusual molecular packing of conducting layer. <i>Crystallography Reports</i> , 2011, 56, 1042-1046.	0.6	2
62	Large Spontaneous Polarization and Clear Hysteresis Loop of a Room-Temperature Hybrid Ferroelectric Based on Mixed-Halide [Bi ₃ Cl ₂] Polar Chains and Methylviologen Dication. <i>Journal of the American Chemical Society</i> , 2011, 133, 14924-14927.	13.7	153
63	New low-dimensional molecular conductors: (BEDO-TTF) ₂ Cl·3H ₂ O and (BDH-TTP) ₂ (Br _{0.67} Cl _{0.33})·3H ₂ O. <i>Low Temperature Physics</i> , 2011, 37, 744-748.	0.6	2
64	New molecular magnetic metals: (BDH-TTP) ₄ CuCl ₄ ·(H ₂ O) _n and (BDH-TTP) ₂ [CuCl ₄] _{0.67} ·(H ₂ O) _{0.33} (BDH-TTP is 2,5-bis(1,3-dithiolan-2-ylidene)-1,3,4,6-tetrathiapentalene). <i>Russian Chemical Bulletin</i> , 2010, 59, 1729-1734.	1.5	3
65	A Neutral Zwitterionic Molecular Solid. <i>Chemistry - A European Journal</i> , 2010, 16, 14051-14059.	3.3	36
66	Magnetotransport properties of a new hybrid metal (BEDT-TTF) ₂ [Mn ₂ Cl ₅ (H ₂ O) ₅]. <i>Physica B: Condensed Matter</i> , 2010, 405, S247-S249.	2.7	1
67	The formation of diamagnetic singly bonded (C ₇₀) ₂ dimers in ionic complexes of fullerene C ₇₀ with tetrakis(dimethylaminoethylene). <i>CrystEngComm</i> , 2010, 12, 3542.	2.6	12
68	10.1007/s11447-008-2013-0. , 2010, 106, 347.		0
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73	Structural phase transition in crystals of the molecular conductor $\hat{I}^{\pm 2}-(BDH-TTP)_6[Hg(SCN)_3][Hg(SCN)_4]$. Crystallography Reports, 2008, 53, 1003-1008.	0.6	1
74	Structure and magnetotransport properties of the new quasi-two-dimensional molecular metal $\hat{I}^{2+}-(BEDT-TTF)_4H_3O[Fe(C_2O_4)_3] \cdot C_6H_4Cl_2$. Journal of Experimental and Theoretical Physics, 2008, 106, 347-354.	0.9	20

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91	The effect of microtopography and deposition regime on the field emission properties of graphitelike carbon films. Technical Physics Letters, 2002, 28, 975-977.	0.7	1