Il'ya A Gural'skiy

List of Publications by Year
in descending order

67	2,068	257450	233421
papers	citations	24 h-index	45 g-index

69	69	69	1946
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular actuators driven by cooperative spin-state switching. Nature Communications, 2013, 4, 2607.	12.8	221
2	Haloperoxidase Mimicry by CeO_{2â^'}_x Nanorods Combats Biofouling. Advanced Materials, 2017, 29, 1603823.	21.0	208
3	Spin state dependence of electrical conductivity of spin crossover materials. Chemical Communications, 2012, 48, 4163-4165.	4.1	140
4	Nanoâ€electromanipulation of Spin Crossover Nanorods: Towards Switchable Nanoelectronic Devices. Advanced Materials, 2013, 25, 1745-1749.	21.0	132
5	1,2,4,5-Tetrazine: an unprecedented Î¼4-coordination that enhances ability for anionâ‹Ï€ interactions. Dalton Transactions, 2009, , 2856.	3.3	126
6	Silver(i) ions bridged by pyridazine: doubling the ligand functionality for the design of unusual 3D coordination frameworks. Dalton Transactions, 2007, , 3893.	3.3	118
7	Metalâ€“organic frameworks exhibiting strong anionâ€“Ï€ interactions. Chemical Communications, 2006, , 4808-4810.	4.1	90
8	Spin crossover composite materials for electrothermomechanical actuators. Journal of Materials Chemistry C, 2014, 2, 2949-2955.	5.5	82
9	Remarkably high-temperature spin transition exhibited by new 2D metalâ€“organic frameworks. Chemical Science, 2012, 3, 1629.	7.4	68
10	Soft lithographic patterning of spin crossover complexes. Part 1: fluorescent detection of the spin transition in single nano-objects. Journal of Materials Chemistry, 2012, 22, 3745.	6.7	65
11	Synthesis of Spinâ€Crossover Nanoâ€and Microâ€objects in Homogeneous Media. Chemistry - A European Journal, 2012, 18, 9946-9954.	3.3	63
12	Spin Crossover in Fe(II)â€“M(II) Cyanoheterobimetallic Frameworks (M = Ni, Pd, Pt) with 2-Substituted Pyrazines. Inorganic Chemistry, 2016, 55, 4906-4914.	4.0	58
13	Surface Plasmons Reveal Spin Crossover in Nanometric Layers. Journal of the American Chemical Society, 2011, 133, 15342-15345.	13.7	49
14	Cooperative Highâ€Temperature Spin Crossover Accompanied by a Highly Anisotropic Structural Distortion. European Journal of Inorganic Chemistry, 2016, 2016, 3191-3195.	2.0	49
15	Chiral spin crossover nanoparticles and gels with switchable circular dichroism. Journal of Materials Chemistry C, 2015, 3, 4737-4741.	5.5	41
16	Dielectric and charge transport properties of the spin crossover complex [Fe(Htrz)₂(trz)](BF₄). Physica Status Solidi - Rapid Research Letters, 2014, 8, 191-193.	2.4	38
17	Room Temperature Magnetic Detection of Spin Switching in Nanosized Spinâ€Crossover Materials. Angewandte Chemie - International Edition, 2013, 52, 1185-1188.	13.8	37
18	4,4â€²-Bipyridazine: a new twist for the synthesis of coordination polymers. Dalton Transactions, 2007, , 3140-3148.	3.3	35

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19	Soft lithographic patterning of spin crossover complexes. Part 2: stimuli-responsive diffraction grating properties. Journal of Materials Chemistry, 2012, 22, 3752.	6.7	30
20	Spin-Crossover Materials towards Microwave Radiation Switches. Scientific Reports, 2016, 6, 38334.	3.3	28
21	Multiple spin phases in a switchable Fe(<scp>ii</scp>) complex: polymorphism and symmetry breaking effects. Journal of Materials Chemistry C, 2018, 6, 3352-3361.	5.5	28
22	Room temperature hysteretic spin crossover in a new cyanoheterometallic framework. Chemical Communications, 2019, 55, 3359-3362.	4.1	28
23	Detection of molecular spin-state changes in ultrathin films by photonic methods. Journal of Nanophotonics, 2012, 6, 063517.	1.0	27
24	High temperature spin crossover in [Fe(pyrazine){Ag(CN)₂}₂] and its solvate. New Journal of Chemistry, 2016, 40, 9012-9016.	2.8	25
25	Aziridinium cation templating 3D lead halide hybrid perovskites. Chemical Communications, 2022, 58, 5745-5748.	4.1	24
26	Enantioselective Guest Effect on the Spin State of a Chiral Coordination Framework. Chemistry - A European Journal, 2015, 21, 18076-18079.	3.3	23
27	Spin crossover in FeII cyanometallic frameworks. Inorganica Chimica Acta, 2021, 521, 120303.	2.4	21
28	Cellulose fiber nanocomposites displaying spin-crossover properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 456, 35-40.	4.7	20
29	Synthesis of [Fe(hptrz)3](OTs)2 spin crossover nanoparticles in microemulsion. Polyhedron, 2012, 38, 245-250.	2.2	19
30	Chiral organicâ€“inorganic lead halide perovskites based on Î±-alanine. New Journal of Chemistry, 2021, 45, 12606-12612.	2.8	16
31	Spin crossover in 2D iron(<scp>ii</scp>) phthalazine cyanometallic complexes. Dalton Transactions, 2020, 49, 5302-5311.	3.3	15
32	Pyridazineâ€Supported Polymeric Cyanometallates with Spin Transitions. European Journal of Inorganic Chemistry, 2019, 2019, 4532-4537.	2.0	14
33	Direct Synthesis of Spinâ€Crossover Complexes: An Unexpectedly Revealed New Ironâ€Triazolic Structure. European Journal of Inorganic Chemistry, 2020, 2020, 4523-4531.	2.0	13
34	Two-Step Spin Crossover in Hofmann-Type Coordination Polymers [Fe(2-phenylpyrazine)₂{M(CN)₂}₂] (M = Ag, Au). Inorganic Chemistry, 2022, 61, 2093-2104.	4.0	13
35	Hofmann-Like Frameworks Fe(2-methylpyrazine)_n[M(CN)₂]₂ (M = Au, Ag): Spin-Crossover Defined by the Precious Metal. Inorganic Chemistry, 2020, 59, 6541-6549.	4.0	12
36	Spin crossover in iron(<scp>ii</scp>) Hofmann clathrates analogues with 1,2,3-triazole. Dalton Transactions, 2021, 50, 9250-9258.	3.3	11

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37	Iron (II) isothiocyanate complexes with substituted pyrazines: Experimental and theoretical views on their electronic structure. Polyhedron, 2015, 87, 147-155.	2.2	10
38	Spinâ€Stateâ€Dependent Redoxâ€Catalytic Activity of a Switchable Iron(II) Complex. European Journal of Inorganic Chemistry, 2017, 2017, 3125-3131.	2.0	8
39	Bistable photonic nanostructures based on molecular spin crossover complexes. , 2012, , .		6
40	Tunable microwave absorption of switchable complexes operating near room temperature. RSC Advances, 2020, 10, 21621-21628.	3.6	6
41	Pressure gradient effect on spin-crossover materials: Experiment vs theory. Journal of Applied Physics, 2021, 129, 064501.	2.5	6
42	New Applications of Spin-Crossover Complexes: Microwave Absorption, Chirooptical Switching and Enantioselective Detection. NATO Science for Peace and Security Series B: Physics and Biophysics, 2020, , 119-143.	0.3	5
43	Silver(I) sulfate coordination polymers with 4,4â€²-bipyridazine and pyridazino[4,5-d]pyridazine. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, m259-m263.	0.4	4
44	Anomalous Pressure Effects on the Electrical Conductivity of the Spin Crossover Complex [Fe(pyrazine){Au(CN)2}2]. Magnetochemistry, 2020, 6, 31.	2.4	4
45	Pyridinium bis(pyridine-ÎºN)tetrakis(thiocyanato-ÎºN)ferrate(III)â€“pyrazine-2-carbonitrileâ€“pyridine (1/4/1). Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m280-m280.	0.2	4
46	Tunable mechanical properties of [Fe(pyrazine){Au(CN)2}2]â€“PVDF composite films with spin transitions. Polymer, 2022, 238, 124410.	3.8	4
47	Synthesis and Crystal Structure of Copper(II) 9-Azametallacrowns-3 with 4-Iodopyrazole. Russian Journal of Inorganic Chemistry, 2020, 65, 1481-1488.	1.3	3
48	Crystal structure of catena-poly[[gold(I)-Î¼-cyanido-[diaquabis(2-phenylpyrazine)iron(II)]-Î¼-cyanido] dicyanidogold(I)]. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1149-1152.	0.5	3
49	Fourâ€Step Spin Crossover in a New Cyanoâ€Bridged Ironâ€Silver Coordination Polymer. Chemistry - A European Journal, 2022, 28, .	3.3	3
50	Cadmium(II) chloride, bromide and iodide complexes with 4,4â€²-bipyridazine: when are diazine and halide bridges (in)compatible?. Acta Crystallographica Section C: Crystal Structure Communications, 2012, 68, m295-m299.	0.4	2
51	Coâ€“Co and Coâ€“Fe cyano-bridged pentanuclear clusters based on a methylpyrazinyl-diamine tetradentate ligand: spin crossover and metal substitution effects. CrystEngComm, 2017, 19, 7079-7082.	2.6	2
52	Synthesis, crystal structures and spectral characterization of chiral 4-R-1,2,4-triazoles. Journal of Molecular Structure, 2017, 1127, 164-168.	3.6	2
53	Pyridinium bis(pyridine-ÎºN)tetrakis(thiocyanato-ÎºN)ferrate(III). Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m298-m299.	0.2	1
54	Influence of the ultra-slow nucleation and growth dynamics on the room-temperature hysteresis of spin-crossover single crystals. Chemical Physics Letters, 2021, 770, 138442.	2.6	1

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55	Crystal structure of poly[tetra-Î¼-cyanido-ethanolbis(2-iodopyrazine)digold(I)iron(II)]. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1755-1758.	0.5	1
56	Crystal structure of poly[bis(Î¼-2-bromopyrazine)tetra-Î¼₂-cyanido-dicopper(I)iron(II)]: a bimetallic metal-organic framework. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1895-1898.	0.5	1
57	Crystal structure of poly[[diaquatetra-Î¼₂-cyanido-iron(II)platinum(II)] acetone disolvate]. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1536-1539.	0.5	1
58	Crystal structure of poly[[diaquatetra-Î¼₂-cyanido-platinum(II)iron(II)] methanol 4/3-solvate]: a three-dimensional Hofmann clathrate analogue. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 216-219.	0.5	1
59	Crystal structure of high-spin tetraaquabis(2-chloropyrazine-ÎºN4)iron(II) bis(4-methylbenzenesulfonate). Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 776-778.	0.5	0
60	Crystal structure of the co-crystalfac-triaquatris(thiocyanato-ÎºN)iron(III)â€“2,3-dimethylpyrazine (1/3). Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 374-376.	0.5	0
61	Crystal structure ofcatena-poly[[[tetraaquairon(II)]-trans-Î¼-1,2-bis(pyridin-4-yl)ethene-ÎºÂ²N:Nâ€²] bis(p-toluenesulfonate) methanol disolvate]. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1977-1980.	0.5	0
62	Crystal structure of a low-spin poly[di-Î¼₃-cyanido-di-Î¼₂-cyanido-bis(Î¼₂-2-ethylpyrazine)dicopper(I)iron(II)]. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1205-1208.	0.5	0
63	Crystal structure of catena-poly[[[(2-ethoxypyrazine-ÎºN)copper(I)]-di-Î¼₂-cyanido][copper(I)-Î¼₂-cyanido]]. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1797-1800.	0.5	0
64	Crystal structure of catena-poly[[[diaqua[1,2-bis(pyridin-4-yl)ethene]{4-[2-(pyridin-4-yl)ethenyl]pyridinium}gold(I)iron(II)]-di-Î¼-cyanido]bis[dicyanidogold(I)] 1,2-bis(pyridin-4-yl)ethene dihydrate]. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 944-947.	0.5	0
65	Crystal structure of 9-aminoacridinium chlorideN,N-dimethylformamide monosolvate. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 1303-1306.	0.5	0
66	1D iron(<scp>ii</scp>)-1,2,4-triazolic chains with spin crossover assembled from discrete trinuclear complexes. Dalton Transactions, 2022, 51, 2364-2369.	3.3	0
67	A Vanadium Dioxideâ€PMMA Composite For Microwave Radiation Switching. ChemPlusChem, 0, , .	2.8	0