

Maksym Seredyuk

List of Publications by Year in descending order

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1796
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#	ARTICLE	IF	CITATIONS
1	Guest induced reversible on/off switching of elastic frustration in a 3D spin crossover coordination polymer with room temperature hysteretic behaviour. <i>Chemical Science</i> , 2021, 12, 1317-1326.	3.7	36
2	Pressure and Thermally Induced Spin Crossover in a 2D Iron(II) Coordination Polymer {Fe[bipy(ttr)] _n }, 2021, , .		0
3	Crystal structure of { <i>N</i> ¹, <i>N</i> ³-bis[(1- <i>tert</i> -butyl-1 <i>H</i> -1,2,3-triazol-4-yl)methylidene]-2,2-dimethylpropane-1,3-diamine}bis(thiocyanato)iron(II). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 573-578.		
4	Crystal structure of (<i>N</i> ¹, <i>N</i> ³-bis{[1-(4-methoxyb) Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 495-499.	0.2	1
5	Crystal structure and Hirshfeld surface analysis of the anionic tetrakis-complex of lanthanum(III) NMe ₄ La ₄ with the CAPH-ligand dimethyl (2,2,2-trichloroacetyl)phosphoramidate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 1307-1310.	0.2	1
6	Synthesis and Characterization of Anionic Lanthanide(III) Complexes with a Bidentate Sulfonylamidophosphate (SAPH) Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 76-85.	1.9	10
7	Thermochromic Meltable Materials with Reverse Spin Transition Controlled by Chemical Design. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18632-18638.	7.2	28
8	Thermochromic Meltable Materials with Reverse Spin Transition Controlled by Chemical Design. <i>Angewandte Chemie</i> , 2020, 132, 18791-18797.	1.6	4
9	Variable Cooperative Interactions in the Pressure and Thermally Induced Multistep Spin Transition in a Two-Dimensional Iron(II) Coordination Polymer. <i>Inorganic Chemistry</i> , 2020, 59, 10548-10556.	1.9	12
10	Effect of Guest Molecules on Spin Transition Temperature in Loaded Hofmann-Like Clathrates with Improved Porosity. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 764-769.	1.0	15
11	Crystal structure of {<i>N</i> ¹, <i>N</i> ³-bis[(1-benzyl-1 <i>H</i> -1,2,3-triazol-4-yl)methylidene]-2,2-dimethylpropane-1,3-diamine}bis(thiocyanato)iron(II). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 1661-1664.		
12	Crystal structure of the mixed methanol and ethanol solvate of bis{3,4,5-trimethoxy-<i>N</i>-[1-(pyridin-2-yl)ethylidene]benzohydrazidato}zinc(II). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 303-308.	0.2	0
13	Discrimination between two memory channels by molecular alloying in a doubly bistable spin crossover material. <i>Chemical Science</i> , 2019, 10, 3807-3816.	3.7	44
14	Crystal structure and magnetic properties of bis[butyltris(1 <i>H</i> -pyrazol-1-yl)borato]iron(II). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 1327-1330.	0.2	0
15	Cyanido-Bridged Fe ^{II} -M ^I Dimetallic Hofmann-Like Spin-Crossover Coordination Polymers Based on 2,6-Naphthyridine. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 289-296.	1.0	24
16	Very Long-Lived Photogenerated High-Spin Phase of a Multistable Spin-Crossover Molecular Material. <i>Journal of the American Chemical Society</i> , 2018, 140, 12870-12876.	6.6	42
17	Guest Induced Strong Cooperative One- and Two-Step Spin Transitions in Highly Porous Iron(II) Hofmann-Type Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2017, 56, 7038-7047.	1.9	55
18	Chiral and Racemic Spin Crossover Polymorphs in a Family of Mononuclear Iron(II) Compounds. <i>Inorganic Chemistry</i> , 2017, 56, 13535-13546.	1.9	35

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19	catena-Poly[[diaquabis[1,4-bis(pyridin-4-yl)buta-1,3-diene- $\hat{\text{N}}$]iron(II)]- $\hat{1}/4$ -cyanido- $\hat{\text{N}}$:C-[dicyanido- $\hat{\text{N}}$ 2C-platinum(II)]- $\hat{1}/4$ -cyanido- $\hat{\text{N}}$ 2C]n IUCrData, 2017, 2, .	0.1	1
20	Imparting hysteretic behavior to spin transition in neutral mononuclear complexes. RSC Advances, 2016, 6, 39627-39635.	1.7	16
21	Strong Cooperative Spin Crossover in 2D and 3D Fe ^{II} â€M ^{I,II} Hofmann-Like Coordination Polymers Based on 2-Fluoropyrazine. Inorganic Chemistry, 2016, 55, 10654-10665.	1.9	50
22	Meltable Spin Transition Molecular Materials with Tunable $\langle T_c \rangle$ and Hysteresis Loop Width. Angewandte Chemie - International Edition, 2015, 54, 14777-14781.	7.2	52
23	Synthesis, crystal structures and spectroscopic properties of cobalt(II) complexes with chelating sulfonylamidophosphate ligands. Journal of Molecular Structure, 2015, 1100, 145-149.	1.8	5
24	Homoleptic Iron(II) Complexes with the Ionogenic Ligand 6,6â€2-Bis(1 <i>H</i> -tetrazol-5-yl)-2,2â€2-bipyridine: Spin Crossover Behavior in a Singular 2D Spin Crossover Coordination Polymer. Inorganic Chemistry, 2015, 54, 7424-7432.	1.9	34
25	Crystal structure of the coordination polymer [Fe ^{III} ₂ {Pt ^{II} (CN) ₄ } ₃]. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, i1-i2.	0.2	1
26	Crystal structure of meso-tetrakis(4-nitrophenyl)porphyrin nitrobenzene disolvate. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o1147-o1148.	0.2	2
27	Bis[3-methyl-5-(pyridin-2-yl)-1 <i>H</i> -pyrazol-4-yl] selenide methanol hemisolvate. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o127-o128.	0.2	0
28	The Effect of Pressure on the Cooperative Spin Transition in the 2D Coordination Polymer {Fe(phpy) ₂ [Ni(CN) ₄]}. European Journal of Inorganic Chemistry, 2014, 2014, 429-433.	1.0	19
29	Spin crossover in soft matter. Coordination Chemistry Reviews, 2014, 268, 41-58.	9.5	128
30	Two- and one-step cooperative spin transitions in Hofmann-like clathrates with enhanced loading capacity. Chemical Communications, 2014, 50, 1833-1835.	2.2	47
31	Control of the spin state by charge and ligand substitution: two-step spin crossover behaviour in a novel neutral iron($\langle \text{scp} \rangle$) complex. Dalton Transactions, 2014, 43, 16387-16394.	1.6	21
32	Spin Crossover Star-Shaped Metallomesogens of Iron(II). Inorganic Chemistry, 2014, 53, 8442-8454.	1.9	42
33	Unprecedented Multiâ€Stable Spin Crossover Molecular Material with Two Thermal Memory Channels. Chemistry - A European Journal, 2013, 19, 6591-6596.	1.7	74
34	[Diaquasesqui(nitrato- $\hat{\text{O}}$)hemi(perchlorato- $\hat{\text{O}}$)copper(II)]- $\hat{1}/4$ -{bis[5-methyl-3-(pyridin-2-yl)-1 <i>H</i> -pyrazol-4-yl] selenide}-[triaqua(perchlorato- $\hat{\text{O}}$)copper(II)] nitrate monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m314-m315.	0.2	2
35	Bis{4-[(3,5-dimethyl-1 <i>H</i> -pyrazol-4-yl)selanyl]-3,5-dimethyl-1 <i>H</i> -pyrazol-2-ium} chloride monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2068-o2068.	0.2	2
36	[Aqua(nitrato- $\hat{\text{O}}$)copper(II)]- $\hat{1}/4$ -{bis[5-methyl-3-(pyridin-2-yl)-1 <i>H</i> -pyrazol-4-yl]selenide}-[diaqua(nitrato- $\hat{\text{O}}$)copper(II)] nitrate monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m1472-m1473.	0.2	0

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37	Magnetism and Molecular Nonlinear Optical Second-Order Response Meet in a Spin Crossover Complex. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11251-11255.	1.5	29
38	$K_2M_{III}O_4(M_{VI}O_4)_2$ ($M_{III} = Fe, Sc; M_{VI} = Mo, W$), Novel Members of the Lagbeinite-Related Family: Synthesis, Structure, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2012, 51, 1380-1385.	1.9	16
39	Iron(II) metallomesogens based on symmetrical tripod ligands. <i>Inorganica Chimica Acta</i> , 2012, 380, 65-71.	1.2	14
40	Mononuclear Complexes of Iron(II) Based on Symmetrical Tripodand Ligands: Novel Parent Systems for the Development of New Spin Crossover Metallomesogens. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 965-976.	0.6	19
41	4-Chloroselanyl-3,5-diethyl-1 <i>H</i> -pyrazol-2-ium chloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o3083-o3083.	0.2	3
42	(Tris{2-[(5-hydroxypyridin-2-yl- \hat{N})methylideneimino- \hat{N}]ethyl}amine)zinc dinitrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m1791-m1792.	0.2	1
43	New reaction of 1 <i>H</i> -pyrazoles with selenium dioxide: one-pot synthesis of bis(1 <i>H</i> -pyrazol-4-yl)selenides. <i>Tetrahedron</i> , 2010, 66, 8772-8777.	1.0	14
44	catena-Poly[[[aquacopper(II)]bis[$\frac{1}{4}$ -bis(3,5-dimethyl-1 <i>H</i> -pyrazol-4-yl) selenide]] bis(tetrafluoridoborate) bis(triphenylphosphine oxide) monohydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m527-m527.	0.2	2
45	Spin-Crossover and Liquid Crystal Properties in 2D Cyanide-Bridged $Fe_{II}M_{I/II}$ Metalorganic Frameworks. <i>Inorganic Chemistry</i> , 2010, 49, 10022-10031.	1.9	33
46	catena-Poly[[[aquacopper(II)]-bis[$\frac{1}{4}$ -bis(3,5-dimethyl-1 <i>H</i> -pyrazol-4-yl) selenide- $\hat{N}_2N_2\hat{N}_2$] dichloride monohydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m363-m363.	0.2	3
47	Spin crossover in metallomesogens. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2399-2413.	9.5	136
48	Polynuclear Spin Crossover Complexes: Synthesis, Structure, and Magnetic Behavior of <i>Inorganic Chemistry</i> , 2009, 48, 3710-3719.	1.9	64
49	Thermal- and Light-Induced Spin Crossover in Novel 2D Fe(II) Metalorganic Frameworks { $Fe(4-PhPy)_2[M_{II}(CN)_x]_y$ } $\hat{A} \cdot s \cdot H_2O$: Spectroscopic, Structural, and Magnetic Studies. <i>Inorganic Chemistry</i> , 2009, 48, 6130-6141.		54
50	catena-Poly[[copper(II)-bis[$\frac{1}{4}$ -bis(3,5-dimethyl-1 <i>H</i> -pyrazol-4-yl) selenide]] bis(perchlorate)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m1396-m1396.	0.2	10
51	Iron(II) Metallomesogens Exhibiting Coupled Spin State and Liquid Crystal Phase Transitions near Room Temperature. <i>Advanced Functional Materials</i> , 2008, 18, 2089-2101.	7.8	87
52	Synthesis, crystal structure and magnetic properties of the spin crossover system $[Fe(pq)_3]^{2+}$. <i>Inorganica Chimica Acta</i> , 2008, 361, 4047-4054.	1.2	5
53	Does the Solid \rightarrow Liquid Crystal Phase Transition Provoke the Spin-State Change in Spin-Crossover Metallomesogens?. <i>Journal of the American Chemical Society</i> , 2008, 130, 1431-1439.	6.6	118
54	One-Dimensional Iron(II) Compounds Exhibiting Spin Crossover and Liquid Crystalline Properties in the Room Temperature Region. <i>Inorganic Chemistry</i> , 2008, 47, 10232-10245.	1.9	69

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55	Bis(3,5-dimethyl-1H-pyrazolyl)selenide – a new bidentate bent connector for preparation of 1D and 2D co-ordination polymers. Dalton Transactions, 2007, , 3183-3194.	1.6	34
56	Cooperative Spin-Crossover Behaviour in Polymeric 1D Fe ^{II} Coordination Compounds: [Fe(tba) ₃ X ₂] _n H ₂ O. European Journal of Inorganic Chemistry, 2007, 2007, 4481-4491.	1.0	26
57	Variable-temperature X-ray crystal structure determinations of {Fe[tren(6-Mepy)3]}(ClO ₄) ₂ and {Zn[tren(6-Mepy)3]}(ClO ₄) ₂ compounds: correlation of the structural data with magnetic and Mössbauer spectroscopy data. Journal of Applied Crystallography, 2007, 40, 1135-1145.	1.9	27
58	Room Temperature Operational Thermochromic Liquid Crystals. Chemistry of Materials, 2006, 18, 2513-2519.	3.2	143
59	Multifunctionality in spin crossover materials. Coordination Chemistry Reviews, 2005, 249, 2661-2676.	9.5	345
60	Spin transition and symmetry-breaking in new mononuclear Fe ^{II} tren-complexes with up to 38 K hysteresis around room temperature. Inorganic Chemistry Frontiers, 0, , .	3.0	6