

Marinela Maria Dirtu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Insights into the Origin of Cooperative Effects in the Spin Transition of $[\text{Fe}(\text{NH}_2)_2(\text{trz})_3](\text{NO}_3)_2$: the Role of Supramolecular Interactions Evidenced in the Crystal Structure of $[\text{Cu}(\text{NH}_2)_2(\text{trz})_3](\text{NO}_3)_2 \cdot \text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 2010, 49, 5722-5736.	4.0	131
2	Prediction of the Spin Transition Temperature in Fe^{II} One-Dimensional Coordination Polymers: an Anion Based Database. <i>Inorganic Chemistry</i> , 2009, 48, 7838-7852.	4.0	116
3	Influence of Hydrogen Bonding on the Hysteresis Width in Iron(II) Spin-Crossover Complexes. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3193-3206.	2.0	100
4	Spin-State Ordering on One Sublattice of a Mononuclear Iron(III) Spin Crossover Complex Exhibiting LIESST and TIESST. <i>Chemistry - A European Journal</i> , 2014, 20, 5613-5618.	3.3	83
5	Electronic vs. structural ordering in a manganese(III) spin crossover complex. <i>Chemical Communications</i> , 2015, 51, 17540-17543.	4.1	77
6	Coordination Polymers and Metal Organic Frameworks Derived from 1,2,4-Triazole Amino Acid Linkers. <i>Polymers</i> , 2011, 3, 1750-1775.	4.5	61
7	Quantitative Contact Pressure Sensor Based on Spin Crossover Mechanism for Civil Security Applications. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7597-7604.	3.1	58
8	Rapid Cooling Experiments and Use of an Anionic Nuclear Probe to Sense the Spin Transition of the 1D Coordination Polymers $[\text{Fe}(\text{NH}_2)_2(\text{trz})_3]\text{SnF}_6 \cdot \text{H}_2\text{O}$ ($\text{NH}_2 = 1,2,4$ -triazole). <i>Chemistry - A European Journal</i> , 2008, 14, 3745-3758.	3.3	52
9	Pressure Sensor via Optical Detection Based on a 1D Spin Transition Coordination Polymer. <i>Sensors</i> , 2015, 15, 2388-2398.	3.8	50
10	Engineering Three-Dimensional Chains of Porous Nanoballs from a 1,2,4-Triazole-carboxylate Supramolecular Synthon. <i>Crystal Growth and Design</i> , 2010, 10, 1798-1807.	3.0	49
11	Water effect on the spin-transition behavior of Fe^{II} 1,2,4-triazole 1D chains embedded in pores of MCM-41. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7802-7812.	5.5	46
12	A versatile iron(II)-based colorimetric sensor for the vapor-phase detection of alcohols and toxic gases. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3895-3900.	5.5	45
13	Fe^{II} Spin Transition Materials Including an Amino Ester 1,2,4-Triazole Derivative, Operating at, below, and above Room Temperature. <i>Inorganic Chemistry</i> , 2016, 55, 4278-4295.	4.0	39
14	Single-Walled Metal-Organic Nanotube Built from a Simple Synthon. <i>Chemistry - A European Journal</i> , 2015, 21, 4300-4307.	3.3	37
15	Calorimetric measurements of diluted spin crossover complexes $[\text{Fe}^{\text{II}}(\text{trz})_2(\text{NCS})_2] \cdot \text{H}_2\text{O}$ with $\text{M}^{\text{II}} = \text{Zn}$ and Ni . <i>Polyhedron</i> , 2009, 28, 2531-2536.	2.2	35
16	Iron(II) spin transition 1,2,4-triazole chain compounds with novel inorganic fluorinated counteranions. <i>Polyhedron</i> , 2007, 26, 2259-2263.	2.2	32
17	Zinc complexes with 1,2,4-triazole functionalized amino acid derivatives: Synthesis, structure and β -lactamase assay. <i>Inorganica Chimica Acta</i> , 2011, 368, 21-28.	2.4	29
18	Two-Step Spin Transition in a 1D Fe^{II} 1,2,4-Triazole Chain Compound. <i>Chemistry - A European Journal</i> , 2015, 21, 5843-5855.	3.3	28

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19	Iron(II) spin transition coordination polymers with a zigzag structure. CrystEngComm, 2012, 14, 1223-1231.	2.6	27
20	Superlattice Scaffold of 1,2,4-Triazole Derivative of Glycine Steering Linear Chain to a Chiral Helicate. Crystal Growth and Design, 2011, 11, 1375-1384.	3.0	26
21	Spin Transition Sensors Based on β -Amino-Acid 1,2,4-Triazole Derivative. International Journal of Molecular Sciences, 2011, 12, 5339-5351.	4.1	24
22	Spin-Crossover in an Exfoliated 2D Coordination Polymer and Its Implementation in Thermochromic Films. ACS Applied Nano Materials, 2018, 1, 2662-2668.	5.0	22
23	Room temperature hysteretic spin transition in 1D iron(II) coordination polymers. Journal of Physics: Conference Series, 2010, 217, 012085.	0.4	20
24	Heteronuclear nanoparticles supported hydrotalcites containing Ni(II) and Fe(III) stable photocatalysts for Orange II degradation. Applied Clay Science, 2016, 132-133, 641-649.	5.2	16
25	One-Dimensional Looped Chain and Two-Dimensional Square Grid Coordination Polymers: Encapsulation of Bis(1,2,4-Triazole)-trans-cyclohexane into the Voids. European Journal of Inorganic Chemistry, 2019, 2019, 585-591.	2.0	14
26	New Mononuclear Cu(II) Complexes and 1D Chains with 4-Amino-4H-1,2,4-triazole. International Journal of Molecular Sciences, 2013, 14, 23597-23613.	4.1	13
27	Selecting the spin crossover profile with controlled crystallization of mononuclear Fe(II) polymorphs. Dalton Transactions, 2018, 47, 7013-7019.	3.3	9
28	Effect of texture alteration by thin film fabrication on the spin crossover of [Fe(3-Br-phen) ₂ (NCS) ₂ ·0.5CH ₃ OH]. Journal of Physics: Conference Series, 2010, 217, 012032.	0.4	8
29	Impact of ligand spacer and counter-anion in selected 1D iron(II) spin crossover coordination polymers. Hyperfine Interactions, 2012, 205, 69-73.	0.5	8
30	Spin State Crossover, Vibrational, Computational, and Structural Studies of Fe(II) 1D β -amino acid 1,2,4-triazole Derivatives. European Journal of Inorganic Chemistry, 2018, 2018, 394-413.	2.0	7
31	⁵⁷ Fe Mössbauer spectroscopy study of a 2D spin transition coordination polymer built from a tris-1R-tetrazole ligand. Hyperfine Interactions, 2017, 238, 1.	0.5	6
32	Weak cooperativity in selected iron(II) 1D coordination polymers. Hyperfine Interactions, 2012, 205, 75-79.	0.5	5
33	Spin conversion detected by Mössbauer spectroscopy and ⁵⁷ SR on a 1D Fe(II) paramagnetic chain. Hyperfine Interactions, 2014, 226, 217-221.	0.5	5
34	Coordination preference and magnetic properties of Fe(II) assemblies with a bis-azole bearing 1,2,4-triazole and tetrazole. Hyperfine Interactions, 2012, 204, 119-123.	0.5	4
35	Supramolecular homochiral helicity and zigzag hydrogen bonded chains in 1,2,4-triazole derived aminoester and aminoacid. New Journal of Chemistry, 2016, 40, 9025-9029.	2.8	3
36	Neutral and anionic duality of 1,2,4-triazole β -amino acid scaffold in 1D coordination polymers. Hyperfine Interactions, 2012, 205, 57-61.	0.5	2

#	ARTICLE	IF	CITATIONS
37	Weak cooperativity in selected iron(II) 1D coordination polymers. , 2013, , 223-227.		1
38	Correction: Electronic vs. structural ordering in a manganese(III) spin crossover complex. Chemical Communications, 2015, 51, 17630-17630.	4.1	0
39	One-Dimensional Looped Chain and Two-Dimensional Square Grid Coordination Polymers: Encapsulation of Bis(1,2,4-triazole)-trans-cyclohexane into the Voids. European Journal of Inorganic Chemistry, 2019, 2019, 543-543.	2.0	0
40	Neutral and anionic duality of 1,2,4-triazole $\hat{\pm}$ -amino acid scaffold in 1D coordination polymers. , 2013, , 205-209.		0