

Marinela M 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 $[\text{Fe}(\text{NH}_2)_2(\text{trz})_3]\text{SnF}_6 \cdot n\text{H}_2\text{O}$ ($\text{NH}_2 = 4\text{-amino-1,2,4-triazole}$). <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 Synthons. <i>Crystal Growth and Design</i> , 2010, 10, 1798-1807.	3.0	49
11	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
12	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
13	Single-Walled Metal-Organic Nanotube Built from a Simple Synthons. <i>Chemistry - A European Journal</i> , 2015, 21, 4300-4307.	3.3	37
14	Calorimetric measurements of diluted spin crossover complexes $[\text{Fe}^{\text{II}}(\text{btr})_2(\text{NCS})_2] \cdot \text{H}_2\text{O}$ with $\text{M}^{\text{II}} = \text{Zn}$ and Ni . <i>Polyhedron</i> , 2009, 28, 2531-2536.	2.2	35
15	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
16	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
17	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
18	Iron(II) spin transition coordination polymers with a zigzag structure. <i>CrystEngComm</i> , 2012, 14, 1223-1231.	2.6	27

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19	Superlative Scaffold of 1,2,4-Triazole Derivative of Glycine Steering Linear Chain to a Chiral Helicate. <i>Crystal Growth and Design</i> , 2011, 11, 1375-1384.	3.0	26
20	Spin Transition Sensors Based on $\hat{1}^2$ -Amino-Acid 1,2,4-Triazole Derivative. <i>International Journal of Molecular Sciences</i> , 2011, 12, 5339-5351.	4.1	24
21	Spin-Crossover in an Exfoliated 2D Coordination Polymer and Its Implementation in Thermochromic Films. <i>ACS Applied Nano Materials</i> , 2018, 1, 2662-2668.	5.0	22
22	Room temperature hysteretic spin transition in 1D iron(II) coordination polymers. <i>Journal of Physics: Conference Series</i> , 2010, 217, 012085.	0.4	20
23	One-Dimensional Looped Chain and Two-Dimensional Square Grid Coordination Polymers: Encapsulation of Bis(1,2,4-Triazole)-trans -cyclohexane into the Voids. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 585-591.	2.0	14
24	New Mononuclear Cu(II) Complexes and 1D Chains with 4-Amino-4H-1,2,4-triazole. <i>International Journal of Molecular Sciences</i> , 2013, 14, 23597-23613.	4.1	13
25	Selecting the spin crossover profile with controlled crystallization of mononuclear Fe($\langle scp \rangle$) polymorphs. <i>Dalton Transactions</i> , 2018, 47, 7013-7019.	3.3	9
26	Effect of texture alteration by thin film fabrication on the spin crossover of $[Fe(3-Br-phen)_2(NCS)_2] \cdot 0.5CH_3OH$. <i>Journal of Physics: Conference Series</i> , 2010, 217, 012032.	0.4	8
27	Impact of ligand spacer and counter-anion in selected 1D iron(II) spin crossover coordination polymers. <i>Hyperfine Interactions</i> , 2012, 205, 69-73.	0.5	8
28	Spin State Crossover, Vibrational, Computational, and Structural Studies of Fe^{II} $\langle isopropyl \rangle$ -tetrazole Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 394-413.	2.0	7
29	^{57}Fe Mössbauer spectroscopy study of a 2D spin transition coordination polymer built from a tris-1R-tetrazole ligand. <i>Hyperfine Interactions</i> , 2017, 238, 1.	0.5	6
30	Weak cooperativity in selected iron(II) 1D coordination polymers. <i>Hyperfine Interactions</i> , 2012, 205, 75-79.	0.5	5
31	Spin conversion detected by Mössbauer spectroscopy and $^{1/4}SR$ on a 1D Fe^{II} paramagnetic chain. <i>Hyperfine Interactions</i> , 2014, 226, 217-221.	0.5	5
32	Supramolecular homochiral helicity and zigzag hydrogen bonded chains in 1,2,4-triazole derived aminoester and aminoacid. <i>New Journal of Chemistry</i> , 2016, 40, 9025-9029.	2.8	3
33	Neutral and anionic duality of 1,2,4-triazole $\hat{1}^{\pm}$ -amino acid scaffold in 1D coordination polymers. <i>Hyperfine Interactions</i> , 2012, 205, 57-61.	0.5	2
34	Weak cooperativity in selected iron(II) 1D coordination polymers. , 2013, , 223-227.		1
35	Neutral and anionic duality of 1,2,4-triazole $\hat{1}^{\pm}$ -amino acid scaffold in 1D coordination polymers. , 2013, , 205-209.		0