

# Marinela M Dirtu

## List of Publications by Year in descending order

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35  
papers

1,222  
citations

331670

21  
h-index

395702

33  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1170  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Selecting the spin crossover profile with controlled crystallization of mononuclear Fe( <sup>iii</sup> ) polymorphs. <i>Dalton Transactions</i> , 2018, 47, 7013-7019.	3.3	9
3	A versatile iron( <sup>ii</sup> )-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
4	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
5	Spin State Crossover, Vibrational, Computational, and Structural Studies of Fe <sup>II</sup> 1- <i>isopropyl-1<i>H</i>-1<i>H</i>-tetrazole Derivatives</i> . <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 394-413.	2.0	7
6	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
7	<sup>57</sup> Fe Mössbauer spectroscopy study of a 2D spin transition coordination polymer built from a tris-1 <i>R</i> -tetrazole ligand. <i>Hyperfine Interactions</i> , 2017, 238, 1.	0.5	6
8	Fe <sup>II</sup> Spin Transition Materials Including an Amino- <i>ester</i> 1,2,4-Triazole Derivative, Operating at, below, and above Room Temperature. <i>Inorganic Chemistry</i> , 2016, 55, 4278-4295.	4.0	39
9	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
10	Single-Walled Metal-Organic Nanotube Built from a Simple Synthon. <i>Chemistry - A European Journal</i> , 2015, 21, 4300-4307.	3.3	37
11	Two-Step Spin Transition in a 1D Fe <sup>II</sup> 1,2,4-Triazole Chain Compound. <i>Chemistry - A European Journal</i> , 2015, 21, 5843-5855.	3.3	28
12	Pressure Sensor via Optical Detection Based on a 1D Spin Transition Coordination Polymer. <i>Sensors</i> , 2015, 15, 2388-2398.	3.8	50
13	Electronic vs. structural ordering in a manganese( <sup>iii</sup> ) spin crossover complex. <i>Chemical Communications</i> , 2015, 51, 17540-17543.	4.1	77
14	Spin conversion detected by Mössbauer spectroscopy and <sup>1</sup> / <sub>4</sub> SR on a 1D Fe <sup>II</sup> paramagnetic chain. <i>Hyperfine Interactions</i> , 2014, 226, 217-221.	0.5	5
15	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
16	New Mononuclear Cu(II) Complexes and 1D Chains with 4-Amino-4 <i>H</i> -1,2,4-triazole. <i>International Journal of Molecular Sciences</i> , 2013, 14, 23597-23613.	4.1	13
17	Weak cooperativity in selected iron(II) 1D coordination polymers. , 2013, , 223-227.		1
18	Neutral and anionic duality of 1,2,4-triazole $\pm$ -amino acid scaffold in 1D coordination polymers. , 2013, , 205-209.		0

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19	Iron(II) spin transition coordination polymers with a zigzag structure. CrystEngComm, 2012, 14, 1223-1231.	2.6	27
20	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
21	Weak cooperativity in selected iron(II) 1D coordination polymers. Hyperfine Interactions, 2012, 205, 75-79.	0.5	5
22	Neutral and anionic duality of 1,2,4-triazole $\beta$ -amino acid scaffold in 1D coordination polymers. Hyperfine Interactions, 2012, 205, 57-61.	0.5	2
23	Superlative 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
24	Influence of Hydrogen Bonding on the Hysteresis Width in Iron(II) Spin-Crossover Complexes. European Journal of Inorganic Chemistry, 2011, 2011, 3193-3206.	2.0	100
25	Zinc complexes with 1,2,4-triazole functionalized amino acid derivatives: Synthesis, structure and $\beta$ -lactamase assay. Inorganica Chimica Acta, 2011, 368, 21-28.	2.4	29
26	Spin Transition Sensors Based on $\beta$ -Amino-Acid 1,2,4-Triazole Derivative. International Journal of Molecular Sciences, 2011, 12, 5339-5351.	4.1	24
27	Coordination Polymers and Metal Organic Frameworks Derived from 1,2,4-Triazole Amino Acid Linkers. Polymers, 2011, 3, 1750-1775.	4.5	61
28	Room temperature hysteretic spin transition in 1D iron(II) coordination polymers. Journal of Physics: Conference Series, 2010, 217, 012085.	0.4	20
29	Effect of texture alteration by thin film fabrication on the spin crossover of $[\text{Fe}(\text{3-Br-phen})_2(\text{NCS})_2] \cdot 0.5\text{CH}_3\text{OH}$ . Journal of Physics: Conference Series, 2010, 217, 012032.	0.4	8
30	Insights into the Origin of Cooperative Effects in the Spin Transition of $[\text{Fe}(\text{NH}_2\text{trz})_3(\text{NO}_3)_2]$ : the Role of Supramolecular Interactions Evidenced in the Crystal Structure of $[\text{Cu}(\text{NH}_2\text{trz})_3(\text{NO}_3)_2] \cdot \text{H}_2\text{O}$ . Inorganic Chemistry, 2010, 49, 5723-5736.	4.0	131
31	Engineering Three-Dimensional Chains of Porous Nanoballs from a 1,2,4-Triazole-carboxylate Supramolecular Synthone. Crystal Growth and Design, 2010, 10, 1798-1807.	3.0	49
32	Calorimetric measurements of diluted spin crossover complexes $[\text{FeM}(\text{btr})_2(\text{NCS})_2] \cdot \text{H}_2\text{O}$ with $\text{M}=\text{Zn}$ and $\text{Ni}$ . Polyhedron, 2009, 28, 2531-2536.	2.2	35
33	Prediction of the Spin Transition Temperature in Fe(II) One-Dimensional Coordination Polymers: an Anion Based Database. Inorganic Chemistry, 2009, 48, 7838-7852.	4.0	116
34	Rapid Cooling Experiments and Use of an Anionic Nuclear Probe to Sense the Spin Transition of the 1D Coordination Polymers $[\text{Fe}(\text{NH}_2\text{trz})_3(\text{NO}_3)_2] \cdot \text{SnF}_6 \cdot \text{H}_2\text{O}$ ( $\text{NH}_2\text{trz} = 1,2,4$ -triazole). Chemistry - A European Journal, 2008, 14, 3745-3758.	3.3	52
35	Iron(II) spin transition 1,2,4-triazole chain compounds with novel inorganic fluorinated counteranions. Polyhedron, 2007, 26, 2259-2263.	2.2	32