

# Mirta Rubcic

## List of Publications by Year in descending order

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37  
papers

841  
citations

471509

17  
h-index

477307

29  
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41  
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41  
docs citations

41  
times ranked

1392  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel thiosemicarbazone derivatives as potential antitumor agents: Synthesis, physicochemical and structural properties, DNA interactions and antiproliferative activity. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 5189-5198.	3.0	168
2	Synthesis and characterisation of thiosemicarbazonato molybdenum(VI) complexes and their in vitro antitumor activity. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 38-48.	5.5	64
3	Keto-enol tautomerism in asymmetric Schiff bases derived from p-phenylenediamine. <i>Journal of Molecular Structure</i> , 2010, 984, 232-239.	3.6	47
4	Dynamic Molecular Recognition in Solid State for Separating Mixtures of Isomeric Dicarboxylic Acids. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5504-5508.	13.8	44
5	Desmotropy, Polymorphism, and Solid-State Proton Transfer: Four Solid Forms of an Aromatic <i>o</i> -Hydroxy Schiff Base. <i>Chemistry - A European Journal</i> , 2012, 18, 5620-5631.	3.3	41
6	Supramolecular Stabilization of Metastable Tautomers in Solution and the Solid State. <i>Chemistry - A European Journal</i> , 2014, 20, 17333-17345.	3.3	34
7	Determination of Cr(III) and Cr(VI) in industrial and environmental liquid samples by EDXRF method. <i>Analytica Chimica Acta</i> , 2004, 527, 125-129.	5.4	33
8	Solution and solid-state studies of complexation of transition-metal cations and Al(III) by arylhydrazones derived from nicotinic acid hydrazide. <i>Inorganica Chimica Acta</i> , 2011, 366, 98-104.	2.4	33
9	Concomitant Conformational Polymorphism: Mechanochemical Reactivity and Phase Relationships in the (Methanol) <i>cis</i> -dioxo( <i>N</i> -salicylidene-2-amino-3-hydroxypyridine)molybdenum(VI) Trimorph. <i>Crystal Growth and Design</i> , 2009, 9, 5327-5333.	3.0	30
10	Molybdenum( <i>vi</i> ) complexes of hemilabile arylhydrazone ligands as efficient catalysts for greener cyclooctene epoxidation: an experimental and theoretical approach. <i>New Journal of Chemistry</i> , 2019, 43, 5531-5542.	2.8	29
11	Vanadium-induced formation of thiadiazole and thiazoline compounds. Mononuclear and dinuclear oxovanadium(V) complexes with open-chain and cyclized thiosemicarbazone ligands. <i>Dalton Transactions</i> , 2009, , 9914.	3.3	22
12	Mechanosensitive metal-ligand bonds in the design of new coordination compounds. <i>CrystEngComm</i> , 2011, 13, 4314.	2.6	21
13	Solid-State Chemistry and Polymorphism of the Nucleobase Adenine. <i>Crystal Growth and Design</i> , 2016, 16, 3262-3270.	3.0	21
14	Conformational Diversity of Thiosemicarbazonato vanadium(V) Complexes in the Solid State: From Polymorphism to Isostructurality. <i>Crystal Growth and Design</i> , 2011, 11, 5227-5240.	3.0	19
15	Purification of Electroplating Wastewaters Utilizing Waste By-Product Ferrous Sulfate and Wood Fly Ash. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2004, 39, 2437-2446.	1.7	18
16	Two thiosemicarbazones derived from salicylaldehyde: very specific hydrogen-bonding interactions of the N-H...S=C type. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008, 64, o570-o573.	0.4	18
17	Cobalt( <i>iii</i> ) complexes with tridentate hydrazone ligands: protonation state and hydrogen bond competition. <i>RSC Advances</i> , 2015, 5, 104870-104883.	3.6	17
18	Multiple Solid Forms of 1,5-Bis(salicylidene)carbohydrazide: Polymorph-Modulated Thermal Reactivity. <i>Crystal Growth and Design</i> , 2014, 14, 2900-2912.	3.0	16

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19	Design of mononuclear, binuclear and polynuclear molybdenum(VI) complexes based on ONO benzoylacetone derived enaminones and their in vitro biological activity. <i>Polyhedron</i> , 2018, 145, 70-79.	2.2	16
20	The cocrystal of 4-oxopimelic acid and 4,4'-bipyridine: polymorphism and solid-state transformations. <i>New Journal of Chemistry</i> , 2011, 35, 24-27.	2.8	15
21	Comparative studies on conventional and solvent-free synthesis toward hydrazones: application of PXRD and chemometric data analysis in mechanochemical reaction monitoring. <i>CrystEngComm</i> , 2018, 20, 1804-1817.	2.6	13
22	Environmental Contamination Assessment of the Surroundings of the ex-Aibenik's Ferro-manganese Smelter, Croatia. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2004, 39, 2493-2506.	1.7	12
23	Magnetic behaviour of (C <sub>2</sub> H <sub>5</sub> NH <sub>3</sub> ) <sub>2</sub> CuCl <sub>4</sub> type multiferroic. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 479, 144-148.	2.3	12
24	Synthesis, Structural Characterization and Hydrogen Bonding of Mono(salicylidene)carbohydrazide. <i>Croatica Chemica Acta</i> , 2012, 85, 451-456.	0.4	11
25	A Unique Fluoride Nanocontainer: Porous Molecular Capsules Can Accommodate an Unusually High Number of Rather Labile Fluoride Anions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5879-5882.	13.8	11
26	Porous Capsules with a Large Number of Active Sites: Nucleation/Growth under Confined Conditions. <i>Chemistry - A European Journal</i> , 2015, 21, 4321-4325.	3.3	10
27	Novel enaminones as non-cytotoxic compounds with mild antibacterial activity: Synthesis and structure-activity correlations. <i>Journal of Molecular Structure</i> , 2018, 1154, 636-642.	3.6	10
28	Discrete and polymeric ensembles based on dinuclear molybdenum(VI) building blocks with adaptive carbohydrazide ligands: from the design to catalytic epoxidation. <i>New Journal of Chemistry</i> , 2020, 44, 8085-8097.	2.8	9
29	Supramolecular assembly of oxalatomolybdates controlled by the hydrogen bonding potential of Co(III)-ammine cations. <i>CrystEngComm</i> , 2018, 20, 1889-1898.	2.6	8
30	Molecular recognition of Ca <sup>2+</sup> cations by internal and external receptors/interfaces in a spherical porous molybdenum-oxide capsule: unusual coordination scenarios. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 740-744.	6.0	7
31	Symmetrical disubstituted carbohydrazides: From solid-state structures to cytotoxic and antibacterial activity. <i>Journal of Molecular Structure</i> , 2019, 1178, 222-228.	3.6	5
32	Characterization and treatment of the phosphoric gypsum transport water. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 682-687.	1.7	3
33	The influence of past metallurgical activity on the concentration of heavy metals in the soil/grass system in Sibenik (Croatia). <i>International Journal of Environment and Pollution</i> , 2009, 37, 437.	0.2	3
34	Coordinating and supramolecular prospects of unsymmetrically substituted carbohydrazides. <i>New Journal of Chemistry</i> , 2020, 44, 13357-13367.	2.8	3
35	Magnetoelectric Multiferroicity and Magnetic Anisotropy in Guanidinium Copper(II) Formate Crystal. <i>Materials</i> , 2021, 14, 1730.	2.9	3
36	The Rare Examples of Thiosemicarbazonato Chromium(III) Complexes: Crystal Structures of [Cr(Hsal) <sub>3</sub> ·nH <sub>2</sub> O]·mTj ETQq0 0 0 BT /Overlock 10 Tt	0.4	2

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37	(3,5-Dimethyladamantan-1-yl)ammonium methanesulfonate (memantinium mesylate): synthesis, structure and solid-state properties. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1274-1279.	0.5	0