

# Maria Antonietta Zoroddu

## List of Publications by Year in descending order

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56  
papers

2,130  
citations

236925

25  
h-index

243625

44  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal Toxicity and Speciation: A Review. <i>Current Medicinal Chemistry</i> , 2021, 28, 7190-7208.	2.4	37
2	Environmental barium: potential exposure and health-hazards. <i>Archives of Toxicology</i> , 2021, 95, 2605-2612.	4.2	68
3	Rh(I) Complexes in Catalysis: A Five-Year Trend. <i>Molecules</i> , 2021, 26, 2553.	3.8	10
4	An updated overview on metal nanoparticles toxicity. <i>Seminars in Cancer Biology</i> , 2021, 76, 17-26.	9.6	97
5	Gold nanoparticles and cancer: Detection, diagnosis and therapy. <i>Seminars in Cancer Biology</i> , 2021, 76, 27-37.	9.6	34
6	Gold Clusters: From the Dispute on a Gold Chair to the Golden Future of Nanostructures. <i>Molecules</i> , 2021, 26, 5014.	3.8	1
7	Thermodynamic Study of Oxidovanadium(IV) with Kojic Acid Derivatives: A Multi-Technique Approach. <i>Pharmaceuticals</i> , 2021, 14, 1037.	3.8	4
8	The Potential Clinical Properties of Magnesium. <i>Current Medicinal Chemistry</i> , 2021, 28, 7295-7311.	2.4	5
9	Zinc Interactions with a Soluble Mutated Rat Amylin to Mimic Whole Human Amylin: An Experimental and Simulation Approach to Understand Stoichiometry, Speciation and Coordination of the Metal Complexes. <i>Chemistry - A European Journal</i> , 2020, 26, 13072-13084.	3.3	6
10	Exploring the Specificity of Rationally Designed Peptides Reconstituted from the Cell-Free Extract of <i>Deinococcus radiodurans</i> toward Mn(II) and Cu(II). <i>Inorganic Chemistry</i> , 2020, 59, 4661-4684.	4.0	9
11	New strong extrafunctionalizable tris(3,4-HP) and bis(3,4-HP) metal sequestering agents: synthesis, solution and <i>in vivo</i> metal chelation. <i>Dalton Transactions</i> , 2019, 48, 16167-16183.	3.3	15
12	The essential metals for humans: a brief overview. <i>Journal of Inorganic Biochemistry</i> , 2019, 195, 120-129.	3.5	533
13	Medical Uses of Silver: History, Myths, and Scientific Evidence. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 5923-5943.	6.4	186
14	A new tripodal kojic acid derivative for iron sequestration: Synthesis, protonation, complex formation studies with Fe <sup>3+</sup> , Al <sup>3+</sup> , Cu <sup>2+</sup> and Zn <sup>2+</sup> , and <i>in vivo</i> bioassays. <i>Journal of Inorganic Biochemistry</i> , 2019, 193, 152-165.	3.5	22
15	Looking at new ligands for chelation therapy. <i>New Journal of Chemistry</i> , 2018, 42, 8021-8034.	2.8	3
16	A new tripodal-3-hydroxy-4-pyridinone for iron and aluminium sequestration: synthesis, complexation and <i>in vivo</i> studies. <i>New Journal of Chemistry</i> , 2018, 42, 8050-8061.	2.8	13
17	<i>para</i> -Aminosalicylic acid in the treatment of manganese toxicity. Complexation of Mn <sup>2+</sup> with 4-amino-2-hydroxybenzoic acid and its <i>N</i> -acetylated metabolite. <i>New Journal of Chemistry</i> , 2018, 42, 8035-8049.	2.8	14
18	Equilibrium studies of new bis-hydroxypyrrone derivatives with Fe <sup>3+</sup> , Al <sup>3+</sup> , Cu <sup>2+</sup> and Zn <sup>2+</sup> . <i>Journal of Inorganic Biochemistry</i> , 2018, 189, 103-114.	3.5	11

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19	Tungsten or Wolfram: Friend or Foe?. <i>Current Medicinal Chemistry</i> , 2018, 25, 65-74.	2.4	18
20	Interaction of a chelating agent, 5-hydroxy-2-(hydroxymethyl)pyridin-4(1 H)-one, with Al(III), Cu(II) and Zn(II) ions. <i>Journal of Inorganic Biochemistry</i> , 2017, 171, 18-28.	3.5	6
21	Ni(II) interaction with a peptide model of the human TLR4 ectodomain. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 44, 151-160.	3.0	19
22	Complex formation equilibria of Cu <sup>2+</sup> and Zn <sup>2+</sup> with Irbesartan and Losartan. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 97, 158-169.	4.0	6
23	Coordination Environment of Cu(II) Ions Bound to N-Terminal Peptide Fragments of Angiogenin Protein. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1240.	4.1	29
24	Manganese binding to antioxidant peptides involved in extreme radiation resistance in <i>Deinococcus radiodurans</i> . <i>Journal of Inorganic Biochemistry</i> , 2016, 164, 49-58.	3.5	13
25	Fluoroquinolones: A micro-species equilibrium in the protonation of amphoteric compounds. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 93, 380-391.	4.0	18
26	Competition between Cd(II) and other divalent transition metal ions during complex formation with amino acids, peptides, and chelating agents. <i>Coordination Chemistry Reviews</i> , 2016, 327-328, 55-69.	18.8	39
27	Chemical features of in use and in progress chelators for iron overload. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 38, 10-18.	3.0	37
28	Substituent effects on ionization constants as a predictive tool of coordinating ability. <i>Monatshefte für Chemie</i> , 2016, 147, 719-724.	1.8	4
29	Manganism and Parkinson's disease: Mn(II) and Zn(II) interaction with a 30-amino acid fragment. <i>Dalton Transactions</i> , 2016, 45, 5151-5161.	3.3	16
30	A Speciation Study on the Perturbing Effects of Iron Chelators on the Homeostasis of Essential Metal Ions. <i>PLoS ONE</i> , 2015, 10, e0133050.	2.5	37
31	Tungsten-induced carcinogenesis in human bronchial epithelial cells. <i>Toxicology and Applied Pharmacology</i> , 2015, 288, 33-39.	2.8	43
32	An NMR study on the 6,6'-bis(2-(diethylamino)ethylazanediy)bis(methylene)bis(5-hydroxy-2-hydroxymethyl-4H-pyran-4-one) interaction with Al(III) and Zn(II) ions. <i>Journal of Inorganic Biochemistry</i> , 2015, 148, 69-77.	3.5	14
33	Zinc(II) and copper(II) complexes with hydroxypyron iron chelators. <i>Journal of Inorganic Biochemistry</i> , 2015, 151, 94-106.	3.5	15
34	Kill or cure: Misuse of chelation therapy for human diseases. <i>Coordination Chemistry Reviews</i> , 2015, 284, 278-285.	18.8	44
35	Interaction of Cu(II) and Ni(II) with Ypk9 Protein Fragment via NMR Studies. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	2.1	8
36	Ni(II) binding to the 429-460 peptide fragment from human Toll like receptor (hTLR4): a crucial role for nickel-induced contact allergy?. <i>Dalton Transactions</i> , 2014, 43, 2764-2771.	3.3	26

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37	A new bis-3-hydroxy-4-pyrone as a potential therapeutic iron chelating agent. Effect of connecting and side chains on the complex structures and metal ion selectivity. <i>Journal of Inorganic Biochemistry</i> , 2014, 141, 132-143.	3.5	30
38	Toxicity of Nanoparticles. <i>Current Medicinal Chemistry</i> , 2014, 21, 3837-3853.	2.4	179
39	Manganese and cobalt binding in a multi-histidinic fragment. <i>Dalton Transactions</i> , 2013, 42, 16293.	3.3	21
40	The Involvement of Amino Acid Side Chains in Shielding the Nickel Coordination Site: An NMR Study. <i>Molecules</i> , 2013, 18, 12396-12414.	3.8	18
41	Interaction of divalent cations with peptide fragments from Parkinson's disease genes. <i>Dalton Transactions</i> , 2013, 42, 5964-5974.	3.3	30
42	Nickel binding sites in histone proteins: Spectroscopic and structural characterization. <i>Coordination Chemistry Reviews</i> , 2013, 257, 2737-2751.	18.8	34
43	Mn(ii) and Zn(ii) interactions with peptide fragments from Parkinson's disease genes. <i>Dalton Transactions</i> , 2012, 41, 4378.	3.3	31
44	NMR studies of zinc binding in a multi-histidinic peptide fragment. <i>Dalton Transactions</i> , 2010, 39, 1282-1294.	3.3	27
45	Nickel binding to histone H4. <i>Dalton Transactions</i> , 2010, 39, 787-793.	3.3	21
46	Metal-chelating properties of carvedilol: an antihypertensive drug with antioxidant activity. <i>Journal of Coordination Chemistry</i> , 2009, 62, 3828-3836.	2.2	4
47	Copper and nickel binding in multi-histidinic peptide fragments. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1214-1220.	3.5	45
48	An NMR study on nickel binding sites in Cap43 protein fragments. <i>Dalton Transactions</i> , 2009, , 5523.	3.3	26
49	Copper(ii) binding to Cap43 protein fragments. <i>Dalton Transactions</i> , 2008, , 6127.	3.3	31
50	Multidimensional NMR spectroscopy for the study of histone H4â€“Ni(ii) interaction. <i>Dalton Transactions</i> , 2007, , 379-384.	3.3	28
51	The binding of Ni(ii) and Cu(ii) with the N-terminal tail of the histone H4. <i>Dalton Transactions RSC</i> , 2002, , 458-465.	2.3	31
52	Molecular mechanisms in nickel carcinogenesis: modeling Ni(II) binding site in histone H4.. <i>Environmental Health Perspectives</i> , 2002, 110, 719-723.	6.0	51
53	Metal complexes of 2,4-diamino-5-(3â€“4â€“5â€“trimethoxybenzyl)pyrimidine (trimethoprim) Part IV. Synthesis and X-ray structure of [CuCl(1/4-OCH3)(trimethoprim)]2. <i>Inorganica Chimica Acta</i> , 1990, 171, 229-233.	2.4	16
54	Metal complexes of 2,4-diamino-5-(3â€“4â€“5â€“trimethoxybenzyl)pyrimidine (trimethoprim) and 2,4-diamino-5-(p-chlorophenyl)-6-ethylpyrimidine (pyrimethamine). Part III. Syntheses and x-ray structures of [Rh2(O2CCH3)4(trimethoprim)2]Â·2C6H6Â·CH3OH and [Rh2(O2CCH3)4(pyrimethamine)2]. <i>Inorganica Chimica Acta</i> , 1987, 128, 179-183.	2.4	19

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55	Synthesis and crystal structure of bis(p-amino-benzoate)2,2-di-pyridylcopper(II)emiaoquo. Inorganica Chimica Acta, 1984, 89, L1-L2.	2.4	8
56	Metal complexes of 2,4-Diamino-5-(3,4,5-trimethoxybenzyl)pyrimidine, (trimethoprim). Part I. Synthesis and crystal structure of CoCl <sub>2</sub> (trimethoprim) <sub>2</sub> . Inorganica Chimica Acta, 1983, 77, L213-L214.	2.4	20