

# Joanna I Lachowicz

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

1,719  
citations

21  
h-index

40  
g-index

73  
ext. papers

2,136  
ext. citations

5.6  
avg, IF

4.8  
L-index

#	Paper	IF	Citations
70	Noble metals in medicine: Latest advances. <i>Coordination Chemistry Reviews</i> , <b>2015</b> , 284, 329-350	23.2	478
69	Silver coordination compounds: A new horizon in medicine. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 327-328, 349-359	23.2	154
68	Toxicity of nanoparticles. <i>Current Medicinal Chemistry</i> , <b>2014</b> , 21, 3837-53	4.3	124
67	Effect of substituents on complex stability aimed at designing new iron(III) and aluminum(III) chelators. <i>Journal of Inorganic Biochemistry</i> , <b>2009</b> , 103, 227-36	4.2	63
66	The meaning of aluminium exposure on human health and aluminium-related diseases. <i>Biomolecular Concepts</i> , <b>2013</b> , 4, 77-87	3.7	58
65	Towards the functional high-resolution coordination chemistry of blood plasma human serum albumin. <i>Journal of Inorganic Biochemistry</i> , <b>2019</b> , 198, 110716	4.2	54
64	Iron(III) and aluminum(III) complexes with hydroxypyronone ligands aimed to design kojic acid derivatives with new perspectives. <i>Journal of Inorganic Biochemistry</i> , <b>2010</b> , 104, 560-9	4.2	45
63	Depleted Uranium and Human Health. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 49-64	4.3	41
62	Complex formation equilibria of Cu(II) and Zn(II) with triethylenetetramine and its mono- and di-acetyl metabolites. <i>Dalton Transactions</i> , <b>2013</b> , 42, 6161-70	4.3	41
61	Kojic acid derivatives as powerful chelators for iron(III) and aluminium(III). <i>Dalton Transactions</i> , <b>2011</b> , 40, 5984-98	4.3	39
60	Kill or cure: Misuse of chelation therapy for human diseases. <i>Coordination Chemistry Reviews</i> , <b>2015</b> , 284, 278-285	23.2	35
59	Chemical features of in use and in progress chelators for iron overload. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2016</b> , 38, 10-18	4.1	32
58	Searching for new aluminium chelating agents: a family of hydroxypyronone ligands. <i>Journal of Inorganic Biochemistry</i> , <b>2014</b> , 130, 112-21	4.2	26
57	Hydroxypyridinones with enhanced iron chelating properties. Synthesis, characterization and in vivo tests of 5-hydroxy-2-(hydroxymethyl)pyridine-4(1H)-one. <i>Dalton Transactions</i> , <b>2016</b> , 45, 6517-28	4.3	25
56	Gold - Old Drug with New Potentials. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 75-84	4.3	25
55	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> , <b>2014</b> , 141, 132-143	4.2	25
54	Different approaches to the study of chelating agents for iron and aluminium overload pathologies. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 585-601	4.4	25

53	Adsorption of Cu <sup>2+</sup> and Zn <sup>2+</sup> on SBA-15 mesoporous silica functionalized with triethylenetetramine chelating agent. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103205	6.8	24
52	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> , <b>2016</b> , 327-328, 55-69	23.2	23
51	Toxicity of Nanoparticles: Etiology and Mechanisms <b>2017</b> , 511-546		22
50	A family of hydroxypyron ligands designed and synthesized as iron chelators. <i>Journal of Inorganic Biochemistry</i> , <b>2013</b> , 127, 220-31	4.2	21
49	Aggregation of biologically important peptides and proteins: inhibition or acceleration depending on protein and metal ion concentrations.. <i>RSC Advances</i> , <b>2019</b> , 10, 215-227	3.7	21
48	NMR as a "Gold Standard" Method in Drug Design and Discovery. <i>Molecules</i> , <b>2020</b> , 25,	4.8	17
47	Manganese and cobalt binding in a multi-histidinic fragment. <i>Dalton Transactions</i> , <b>2013</b> , 42, 16293-301	4.3	16
46	New insights into the protogenic and spectroscopic properties of commercial tannic acid: the role of gallic acid impurities. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 7703-7712	3.6	15
45	Fluoroquinolones: A micro-species equilibrium in the protonation of amphoteric compounds. <i>European Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 93, 380-91	5.1	15
44	Metal coordination and tyrosinase inhibition studies with Kojic-Ala-Kojic. <i>Journal of Inorganic Biochemistry</i> , <b>2015</b> , 151, 36-43	4.2	13
43	Design of Amperometric Biosensors for the Detection of Glucose Prepared by Immobilization of Glucose Oxidase on Conducting (Poly)Thiophene Films. <i>Journal of Analytical Methods in Chemistry</i> , <b>2018</b> , 2018, 1849439	2	13
42	Zinc(II) and copper(II) complexes with hydroxypyron iron chelators. <i>Journal of Inorganic Biochemistry</i> , <b>2015</b> , 151, 94-106	4.2	12
41	An NMR study on the 6,6S(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> , <b>2015</b> , 148, 69-77	4.2	11
40	Chelation therapy for metal intoxication: comments from a thermodynamic viewpoint. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2013</b> , 13, 1541-9	3.2	10
39	"What Doesn't Kill You Makes You Stronger": Future Applications of Amyloid Aggregates in Biomedicine. <i>Molecules</i> , <b>2020</b> , 25,	4.8	10
38	A new tripodal kojic acid derivative for iron sequestration: Synthesis, protonation, complex formation studies with Fe, Al, Cu and Zn, and in vivo bioassays. <i>Journal of Inorganic Biochemistry</i> , <b>2019</b> , 193, 152-165	4.2	10
37	Tungsten or Wolfram: Friend or Foe?. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 65-74	4.3	9
36	Assessment, Validation and Application to Real Samples of an RP-HPLC Method for the Determination of Guayulins A, B, C and D in Guayule Shrub. <i>Separations</i> , <b>2018</b> , 5, 23	3.1	9

35	Natural Polysaccharides as Preventive and Therapeutic Horizon for Neurodegenerative Diseases.. <i>Pharmaceutics</i> , <b>2021</b> , 14,	6.4	9
34	The interaction of aluminum with catecholamine-based neurotransmitters: can the formation of these species be considered a potential risk factor for neurodegenerative diseases?. <i>Dalton Transactions</i> , <b>2019</b> , 48, 6003-6018	4.3	8
33	Fluorescent squaramide ligands for cellular imaging and their encapsulation in cubosomes. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 10336-10342	3.6	8
32	A new tripodal-3-hydroxy-4-pyridinone for iron and aluminium sequestration: synthesis, complexation and in vivo studies. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 8050-8061	3.6	8
31	para-Aminosalicylic acid in the treatment of manganese toxicity. Complexation of Mn <sup>2+</sup> with 4-amino-2-hydroxybenzoic acid and its N-acetylated metabolite. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 8035-8049 <sup>8</sup>	2.6	8
30	Equilibrium studies of new bis-hydroxypyrrone derivatives with Fe, Al, Cu and Zn. <i>Journal of Inorganic Biochemistry</i> , <b>2018</b> , 189, 103-114	4.2	8
29	Iron(III) and aluminium(III) complexes with substituted salicyl-aldehydes and salicylic acids. <i>Journal of Inorganic Biochemistry</i> , <b>2013</b> , 128, 174-82	4.2	7
28	Living with the enemy: from protein-misfolding pathologies we know, to those we want to know. <i>Ageing Research Reviews</i> , <b>2021</b> , 70, 101391	12	7
27	Interaction of a chelating agent, 5-hydroxy-2-(hydroxymethyl)pyridin-4(1H)-one, with Al(III), Cu(II) and Zn(II) ions. <i>Journal of Inorganic Biochemistry</i> , <b>2017</b> , 171, 18-28	4.2	6
26	Metal self-assembly mimosine peptides with enhanced antimicrobial activity: towards a new generation of multitasking chelating agents. <i>Dalton Transactions</i> , <b>2020</b> , 49, 2862-2879	4.3	6
25	Complex formation equilibria of Cu and Zn with Irbesartan and Losartan. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 97, 158-169	5.1	6
24	Nutritional iron deficiency: the role of oral iron supplementation. <i>Current Medicinal Chemistry</i> , <b>2014</b> , 21, 3775-84	4.3	6
23	You Are What You Eat: Application of Metabolomics Approaches to Advance Nutrition Research. <i>Foods</i> , <b>2021</b> , 10,	4.9	6
22	Iron Chelation for Iron Overload in Thalassemia. <i>Metal Ions in Life Sciences</i> , <b>2019</b> , 19,	2.6	6
21	Multi analytical technique study of human bones from an archaeological discovery. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2017</b> , 40, 54-60	4.1	5
20	Interaction between aspergillitic acid and iron(III): A potentiometric, UV-Vis, <sup>1</sup> H NMR and quantum chemical study. <i>Polyhedron</i> , <b>2009</b> , 28, 763-768	2.7	5
19	The Best Peptidomimetic Strategies to Undercover Antibacterial Peptides. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	5
18	Improving Metal Adsorption on Triethylenetetramine (TETA) Functionalized SBA-15 Mesoporous Silica Using Potentiometry, EPR and ssNMR. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000544	4.6	4

17	Substituent effects on ionization constants as a predictive tool of coordinating ability. <i>Monatshefte für Chemie</i> , <b>2016</b> , 147, 719-724	1.4	4
16	Metals and Metal-Nanoparticles in Human Pathologies: From Exposure to Therapy. <i>Molecules</i> , <b>2021</b> , 26,	4.8	4
15	Cholinium-Based Ionic Liquids from Hydroxycinnamic Acids as New Promising Bioactive Agents: A Combined Experimental and Theoretical Investigation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 2975-2986	8.3	4
14	Metal Complex Formation and Anticancer Activity of Cu(I) and Cu(II) Complexes with Metformin. <i>Molecules</i> , <b>2021</b> , 26,	4.8	4
13	design of mimosine containing peptides as new efficient chelators of aluminum.. <i>RSC Advances</i> , <b>2019</b> , 9, 7688-7697	3.7	3
12	Salicylamide derivatives for iron and aluminium sequestration. From synthesis to complexation studies. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2018</b> , 50, 580-588	4.1	3
11	Unusual PLS application for Pd(II) sensing in extremely acidic solutions. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 7901-7907	3.6	3
10	Undercover Toxic MImage Trois of Amylin, Copper (II) and Metformin in Human Embryonic Kidney Cells. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
9	Looking at new ligands for chelation therapy. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 8021-8034	3.6	2
8	Metal coordination of thymosin $\beta$ : Chemistry and possible implications. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 396, 117-123	23.2	2
7	Zinc as a Drug for Wilson's Disease, Non-Alcoholic Liver Disease and COVID-19-Related Liver Injury. <i>Molecules</i> , <b>2021</b> , 26,	4.8	2
6	Thymosin $\beta$ cytoplasmic/nuclear translocation as a new marker of cellular stress. A Caco2 case study.. <i>RSC Advances</i> , <b>2020</b> , 10, 12680-12688	3.7	1
5	Oxovanadium(IV) Coordination Compounds with Kojic Acid Derivatives in Aqueous Solution. <i>Molecules</i> , <b>2019</b> , 24,	4.8	1
4	Pharmacometabolomics: A New Horizon in Personalized Medicine		1
3	Kojic acid derivatives as double face ligands for metal and phosphate ions. <i>Journal of Inorganic Biochemistry</i> , <b>2021</b> , 222, 111520	4.2	1
2	Fluxomics - New Metabolomics Approaches to Monitor Metabolic Pathways.. <i>Frontiers in Pharmacology</i> , <b>2022</b> , 13, 805782	5.6	1
1	Synthesis and Mass Spectrometry Analysis of Mimosine-Containing Peptides. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2021</b> , 27, 379-384	2.1	0