Daniele Sanna

List of Publications by Year
in descending order

166 papers	5,385 citations	61984 43 h-index	123424 61 g-index
168 all docs	168 docs citations	168 times ranked	3526 citing authors

#	Article	IF	Citations
1	Copper(II) Interaction with Prion Peptide Fragments Encompassing Histidine Residues Within and Outside the Octarepeat Domain: Speciation, Stability Constants and Binding Details. Chemistry - A European Journal, 2007, 13, 7129-7143.	3.3	107
2	Interaction of VO2+ ion with human serum transferrin and albumin. Journal of Inorganic Biochemistry, 2009, 103, 648-655.	3.5	105
3	The Cu(II)-2,2â€²-bipyridine system revisited. Inorganica Chimica Acta, 2000, 299, 253-261.	2.4	98
4	New Developments in the Comprehension of the Biotransformation and Transport of Insulin-Enhancing Vanadium Compounds in the Blood Serum. Inorganic Chemistry, 2010, 49, 174-187.	4.0	95
5	Copper(II) Interaction with Unstructured Prion Domain Outside the Octarepeat Region:Â Speciation, Stability, and Binding Details of Copper(II) Complexes with PrP106â^'126 Peptides. Inorganic Chemistry, 2005, 44, 7214-7225.	4.0	94
6	Speciation and NMR relaxation studies of VO(IV) complexes with several O-donor containing ligands: oxalate, malonate, maltolate and kojate. Inorganica Chimica Acta, 2000, 306, 174-183.	2.4	92
7	EPR and potentiometric reinvestigation of copper(II) complexation with simple oligopeptides and related compounds. Journal of Inorganic Biochemistry, 1996, 63, 99-117.	3.5	91
8	Oxovanadium(IV) complexes of citric and tartaric acids in aqueous solution. Inorganica Chimica Acta, 1995, 239, 145-153.	2.4	88
9	On the Transport of Vanadium in Blood Serum. Inorganic Chemistry, 2009, 48, 5747-5757.	4.0	86
10	Interaction of Insulin-Enhancing Vanadium Compounds with Human Serum holo-Transferrin. Inorganic Chemistry, 2013, 52, 11975-11985.	4.0	86
11	Interaction of Antidiabetic Vanadium Compounds with Hemoglobin and Red Blood Cells and Their Distribution between Plasma and Erythrocytes. Inorganic Chemistry, 2014, 53, 1449-1464.	4.0	86
12	Copper(II) complexes of oligopeptides containing aspartyl and glutamyl residues. Potentiometric and spectroscopic studies. Journal of Inorganic Biochemistry, 2005, 99, 1514-1525.	3.5	85
13	Determination of Free Radical Scavenging Activity of Plant Extracts Through DPPH Assay: An EPR and UVâ€"Vis Study. Food Analytical Methods, 2012, 5, 759-766.	2.6	85
14	Equilibrium and structural studies on copper(II) complexes of tetra-, penta- and hexa-peptides containing histidyl residues at the C-termini. Dalton Transactions RSC, 2000, , 467-472.	2.3	80
15	A quantitative study of the biotransformation of insulin-enhancing VO2+ compounds. Journal of Biological Inorganic Chemistry, 2010, 15, 825-839.	2.6	80
16	Transition metal complexes of terminally protected peptides containing histidyl residues. Journal of Inorganic Biochemistry, 2006, 100, 1399-1409.	3.5	75
17	Simultaneous amperometric detection of ascorbic acid and antioxidant capacity in orange, blueberry and kiwi juice, by a telemetric system coupled with a fullerene- or nanotubes-modified ascorbate subtractive biosensor. Biosensors and Bioelectronics, 2015, 67, 214-223.	10.1	75
18	Interaction between the low molecular mass components of blood serum and the VO(iv)â€"DHP system (DHP = 1,2-dimethyl-3-hydroxy-4(1H)-pyridinone). Dalton Transactions RSC, 2002, , 2275-2282.	2.3	72

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19	Solution speciation and spectral studies on oxovanadium(IV) complexes of pyridinecarboxylic acids. Polyhedron, 2000, 19, 55-61.	2.2	71
20	Electronic Structure of Oxovanadium(IV) Complexes of Î±-Hydroxycarboxylic Acids. Inorganic Chemistry, 2003, 42, 3981-3987.	4.0	69
21	Interaction of Copper(II) with the Prion Peptide Fragment HuPrP(76âˆ’114) Encompassing Four Histidyl Residues within and outside the Octarepeat Domain. Inorganic Chemistry, 2009, 48, 4239-4250.	4.0	69
22	Interaction of VO2+Ion and Some Insulin-Enhancing Compounds with Immunoglobulin G. Inorganic Chemistry, 2011, 50, 3717-3728.	4.0	68
23	Antitumoral effect of vanadium compounds in malignant melanoma cell lines. Journal of Inorganic Biochemistry, 2017, 174, 14-24.	3.5	66
24	Speciation in human blood of Metvan, a vanadium based potential anti-tumor drug. Dalton Transactions, 2017, 46, 8950-8967.	3.3	66
25	Transport of the anti-diabetic VO2+ complexes formed by pyrone derivatives in the blood serum. Journal of Inorganic Biochemistry, 2012, 115, 87-99.	3.5	65
26	Copper(ii) complexes of N-terminal protected tri- and tetra-peptides containing histidine residues. Dalton Transactions, 2004, , 2702-2707.	3.3	64
27	Copper(ii) complexes of terminally protected pentapeptides containing three histidyl residues in alternating positions, Ac-His-Xaa-His-Yaa-His-NH2. Dalton Transactions, 2006, , 4545-4552.	3.3	64
28	Formation and structure of the tris(catecholato)vanadate(IV) complex in aqueous solution. Inorganic Chemistry, 1990, 29, 1586-1589.	4.0	63
29	Biotransformation of BMOV in the presence of blood serum proteins. Metallomics, 2012, 4, 33-36.	2.4	60
30	Reaction time and DPPH concentration influence antioxidant activity and kinetic parameters of bioactive molecules and plant extracts in the reaction with the DPPH radical. Journal of Food Composition and Analysis, 2014, 35, 112-119.	3.9	58
31	The formation of ternary complexes between VO(maltolate)2 and small bioligands. Inorganica Chimica Acta, 1998, 283, 202-210.	2.4	56
32	Temperature and solvent structure dependence of VO2+ complexes of pyridine-N-oxide derivatives and their interaction with human serum transferrin. Dalton Transactions, 2012, 41, 7304.	3.3	56
33	VIVO and CuII complexation by ligands based on pyridine nitrogen donors. Dalton Transactions, 2012, 41, 12824.	3.3	55
34	Coordinating Properties of Pyrone and Pyridinone Derivatives, Tropolone and Catechol toward the VO²⁺ Ion: An Experimental and Computational Approach. European Journal of Inorganic Chemistry, 2012, 2012, 1079-1092.	2.0	55
35	Potentiometric, spectroscopic, electrochemical and DFT characterization of oxovanadium(iv) complexes formed by citrate and tartrates in aqueous solution at high ligand to metal molar ratios: the effects of the trigonal bipyramidal distortion in bis-chelated species and biological implications. Dalton Transactions, 2008, , 4903.	3.3	53
36	Formation of New Non-oxido Vanadium(IV) Species in Aqueous Solution and in the Solid State by Tridentate (O, N, O) Ligands and Rationalization of Their EPR Behavior. Inorganic Chemistry, 2013, 52, 8202-8213.	4.0	52

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37	Small molecules interacting with Î±-synuclein: antiaggregating and cytoprotective properties. Amino Acids, 2013, 45, 327-338.	2.7	52
38	Innovative and Sustainable Technologies to Enhance the Oxidative Stability of Vegetable Oils. Sustainability, 2022, 14, 849.	3.2	51
39	The solution structure of bis(acetylacetonato)oxovanadium(IV). Inorganica Chimica Acta, 2006, 359, 4470-4476.	2.4	50
40	Thermodynamic and structural characterization of the macrochelates formed in the reactions of copper(II) and zinc(II) ions with peptides of histidine. Inorganica Chimica Acta, 2009, 362, 935-945.	2.4	49
41	VO²⁺ Complexation by Bioligands Showing Ketoâ€“Enol Tautomerism: A Potentiometric, Spectroscopic, and Computational Study. Inorganic Chemistry, 2011, 50, 10328-10341.	4.0	48
42	Complex Formation of Vanadium(IV) with 1,3,5-Triamino-1,3,5-trideoxy-cis-inositol and Related Ligands. Inorganic Chemistry, 2004, 43, 3116-3126.	4.0	46
43	Potentiometric and spectroscopic studies on copper(II) and zinc(II) complexes of peptides containing bis(imidazolyl) ligands. Journal of the Chemical Society Dalton Transactions, 1994, , 2939-2945.	1.1	43
44	Total Phenols from Grape Leaves Counteract Cell Proliferation and Modulate Apoptosis-Related Gene Expression in MCF-7 and HepG2 Human Cancer Cell Lines. Molecules, 2019, 24, 612.	3.8	43
45	Behavior of the potential antitumor VIVO complexes formed by flavonoid ligands. 1. Coordination modes and geometry in solution and at the physiological pH. Journal of Inorganic Biochemistry, 2014, 140, 173-184.	3.5	42
46	Application of DFT methods to the study of the coordination environment of the VO2+ ion in VÂproteins. Journal of Biological Inorganic Chemistry, 2012, 17, 773-790.	2.6	41
47	Antiproliferative activity of vanadium compounds: effects on the major malignant melanoma molecular pathways. Metallomics, 2019, 11, 1687-1699.	2.4	41
48	The effect of the ring size of fused chelates on the thermodynamic and spectroscopic properties of peptide complexes of copper(II). Polyhedron, 2001, 20, 3079-3090.	2.2	40
49	Binding of Oxovanadium(IV) to Dipeptides Containing Histidine and Cysteine Residues. European Journal of Inorganic Chemistry, 2005, 2005, 1369-1382.	2.0	40
50	Elucidation of Binding Site and Chiral Specificity of Oxidovanadium Drugs with Lysozyme through Theoretical Calculations. Inorganic Chemistry, 2017, 56, 12938-12951.	4.0	40
51	Binding of vanadium ions and complexes to proteins and enzymes in aqueous solution. Coordination Chemistry Reviews, 2021, 449, 214192.	18.8	40
52	Influence of pH, buffers and role of quinolinic acid, a novel iron chelating agent, in the determination of hydroxyl radical scavenging activity of plant extracts by Electron Paramagnetic Resonance (EPR). Food Chemistry, 2018, 240, 174-182.	8.2	39
53	Oxovanadium(IV) complex formation by simple sugars in aqueous solution. Journal of Inorganic Biochemistry, 1992, 45, 169-177.	3.5	38
54	EPR investigation of the oxovanadium(IV) complexes formed by the tripeptide glutathione and some related ligands in aqueous solution. Journal of Inorganic Biochemistry, 1993, 52, 275-286.	3.5	38

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55	Uptake of potential anti-diabetic VIVO compounds of picolinate ligands by red blood cells. Inorganica Chimica Acta, 2014, 420, 75-84.	2.4	38
56	Nonoxido Vanadium(IV) Compounds Involving Dithiocarbazate-Based Tridentate ONS Ligands: Synthesis, Electronic and Molecular Structure, Spectroscopic and Redox Properties. Inorganic Chemistry, 2015, 54, 6203-6215.	4.0	37
57	Speciation of potential anti-diabetic vanadium complexes in real serum samples. Journal of Inorganic Biochemistry, 2017, 173, 52-65.	3.5	37
58	Complex formation processes of terminally protected peptides containing two or three histidyl residues. Characterization of the mixed metal complexes of peptides. Dalton Transactions, 2008, , 5059.	3.3	36
59	Synthesis and Characterization of V^{IV}O Complexes of Picolinate and Pyrazine Derivatives. Behavior in the Solid State and Aqueous Solution and Biotransformation in the Presence of Blood Plasma Proteins. Inorganic Chemistry, 2014, 53, 7960-7976.	4.0	36
60	V^{IV}O complexes with antibacterial quinolone ligands and their interaction with serum proteins. Dalton Transactions, 2018, 47, 2164-2182.	3.3	36
61	Environmental Effects on a Prion's Helix II Domain: Copper(II) and Membrane Interactions with PrP180â€“193 and Its Analogues. Chemistry - A European Journal, 2006, 12, 537-547.	3.3	35
62	Nonoxido V^{IV} Complexes: Prediction of the EPR Spectrum and Electronic Structure of Simple Coordination Compounds and Amavadin. Inorganic Chemistry, 2016, 55, 7373-7387.	4.0	35
63	Role of Ligands in the Uptake and Reduction of V(V) Complexes in Red Blood Cells. Journal of Medicinal Chemistry, 2019, 62, 654-664.	6.4	35
64	Vanadium (IV) and vanadium (V) complexes of deferoxamine B in aqueous solution. Journal of Inorganic Biochemistry, 1995, 60, 45-59.	3.5	34
65	Oxovanadium(IV) complexes of imidazole-4-acetic, imidazole-4,5-dicarboxylic and pyrazole-3,5-dicarboxylic acids. Inorganica Chimica Acta, 1998, 268, 297-305.	2.4	34
66	Development and Characterization of an Ascorbate Oxidase-based Sensorâ€“Biosensor System for Telemetric Detection of AA and Antioxidant Capacity in Fresh Orange Juice. Analytical Chemistry, 2014, 86, 8727-8734.	6.5	34
67	Polysaccharideâ€based chiral stationary phases as halogen bond acceptors: A novel strategy for detection of stereoselective Ïƒâ€hole bonds in solution. Journal of Separation Science, 2018, 41, 1247-1256.	2.5	34
68	Potentiometric and spectroscopic studies on the copper(II) and nickel(II) complexes of tripeptides of methionine. Inorganica Chimica Acta, 1998, 275-276, 440-446.	2.4	33
69	Potentiometric and spectroscopic studies on the copper(II) complexes formed by oligopeptides containing histidine with a protection at the terminal amino group. Polyhedron, 2001, 20, 937-947.	2.2	31
70	Oxovanadium(IV) complexes of phosphonic derivatives of iminodiacetic and nitrilotriacetic acids. Journal of the Chemical Society Dalton Transactions, 1999, , 3275-3282.	1.1	29
71	Speciation of the Potential Antitumor Agent Vanadocene Dichloride in the Blood Plasma and Model Systems. Inorganic Chemistry, 2015, 54, 8237-8250.	4.0	28
72	Decoding Surface Interaction of V^{IV}O Metallodrug Candidates with Lysozyme. Inorganic Chemistry, 2018, 57, 4456-4469.	4.0	28

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73	Interaction of Vanadium(IV) Species with Ubiquitin: A Combined Instrumental and Computational Approach. Inorganic Chemistry, 2019, 58, 8064-8078.	4.0	28
74	ESI-MS Study of the Interaction of Potential Oxidovanadium(IV) Drugs and Amavadin with Model Proteins. Inorganic Chemistry, 2020, 59, 9739-9755.	4.0	28
75	Acidâ€“base properties and copper(II) complexes of dipeptides containing histidine and additional chelating bis(imidazol-2-yl) residues. Journal of Inorganic Biochemistry, 2004, 98, 24-32.	3.5	27
76	Behavior of the potential antitumor VIVO complexes formed by flavonoid ligands. 2. Characterization of sulfonate derivatives of quercetin and morin, interaction with the bioligands of the plasma and preliminary biotransformation studies. Journal of Inorganic Biochemistry, 2015, 153, 167-177.	3.5	27
77	Chemistry of mixed-ligand oxidovanadium(IV) complexes of aroylhydrazones incorporating quinoline derivatives: Study of solution behavior, theoretical evaluation and protein/DNA interaction. Journal of Inorganic Biochemistry, 2019, 199, 110786.	3.5	27
78	New insights into the metal ionâ€“peptide hydroxamate interactions: Metal complexes of primary hydroxamic acid derivatives of common dipeptides in aqueous solution. Polyhedron, 2007, 26, 1625-1633.	2.2	26
79	Vanadium(IV) and oxovanadium(IV) complexes of hydroxamic acids and related ligands. Journal of Inorganic Biochemistry, 1992, 48, 279-287.	3.5	25
80	Binary and ternary mixed metal complexes of terminally free peptides containing two different histidyl binding sites. Journal of Inorganic Biochemistry, 2013, 128, 17-25.	3.5	25
81	Design of nalidixic acidâ€'vanadium complex loaded into chitosan hybrid nanoparticles as smart strategy to inhibit bacterial growth and quorum sensing. International Journal of Biological Macromolecules, 2020, 161, 1568-1580.	7.5	25
82	Potentiometric and spectroscopic studies of transition metal complexes of bis(imidazolyl) and bis(pyridyl) derivatives of amino acids. Inorganica Chimica Acta, 1998, 283, 233-242.	2.4	24
83	Oxovanadium(IV)-Promoted Peptide-Amide Deprotonation in Aqueous Solution. Inorganic Chemistry, 1998, 37, 6389-6391.	4.0	24
84	Copper(ii) complexes of rat amylin fragments. Dalton Transactions, 2011, 40, 9711.	3.3	24
85	DNA binding and cleavage studies of copper(II) complexes with 2â€²-deoxyadenosine modified histidine moiety. Journal of Biological Inorganic Chemistry, 2015, 20, 989-1004.	2.6	24
86	Integrated ESI-MS/EPR/computational characterization of the binding of metal species to proteins: vanadium drugâ€“myoglobin application. Inorganic Chemistry Frontiers, 2019, 6, 1561-1578.	6.0	24
87	The effect of histidyl residues on the complexation of bis(imidazolyl) containing tripeptides with copper(II) ion. Journal of Inorganic Biochemistry, 2000, 81, 35-41.	3.5	23
88	Transition metal complexes of bis(imidazol-2-yl) derivatives of dipeptides. Dalton Transactions, 2003, , 2009-2016.	3.3	23
89	Unveiling V^{IV}O²⁺ Binding Modes to Human Serum Albumins by an Integrated Spectroscopicâ€“Computational Approach. Chemistry - A European Journal, 2020, 26, 11316-11326.	3.3	23
90	Binding of Oxovanadium(IV) to Guanosine 5â€˜-Monophosphate. Inorganic Chemistry, 1996, 35, 6349-6352.	4.0	22

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91	Copper(II), nickel(II) and zinc(II) complexes of amino acids containing bis(imidazol-2-yl)methyl residues. Inorganica Chimica Acta, 2002, 339, 373-382.	2.4	22
92	Oxovanadium(IV) complexes of quinoline derivatives. Inorganica Chimica Acta, 2003, 348, 97-106.	2.4	22
93	Formation in aqueous solution of a non-oxido VIV complex with VN6 coordination. Potentiometric, ESI-MS, spectroscopic and computational characterization. Dalton Transactions, 2013, 42, 13404.	3.3	22
94	Effect of secondary interactions, steric hindrance and electric charge on the interaction of V^{IV}O species with proteins. New Journal of Chemistry, 2019, 43, 17647-17660.	2.8	22
95	EPR and proton ENDOR study of the solution equilibria of bis(2-ethyl-2-hydroxybutanoato(2-))oxochromate(V) and bis(2-hydroxy-2-methylbutanoato(2-))oxochromate(V). Inorganic Chemistry, 1993, 32, 578-581.	4.0	21
96	Potentiometric and spectroscopic studies on the copper(II) complexes of peptide hormones containing disulfide bridges. Journal of Inorganic Biochemistry, 1995, 60, 69-78.	3.5	21
97	Oxovanadium (IV) complexes of phosphates of biological relevance: NAD, NADP and thiamine mono- and diphosphate. Journal of Inorganic Biochemistry, 1999, 75, 303-309.	3.5	21
98	Synthesis and characterization of Cu2+, Ni2+ and Zn2+ binding capability of some amino- and imidazole hydroxamic acids: Effects of substitution of side chain amino-N for imidazole-N or hydroxamic-N-H for -N-CH3 on metal complexation. Polyhedron, 2007, 26, 543-554.	2.2	21
99	Behavior of the potential antitumor VIVO complexes formed by flavonoid ligands. 3. Antioxidant properties and radical production capability. Journal of Inorganic Biochemistry, 2016, 161, 18-26.	3.5	21
100	Oxovanadium(IV) complexes of mercaptocarboxylic acids. Journal of the Chemical Society Dalton Transactions, 1993, , 1849-1855.	1.1	20
101	Coordination of oxovanadium(IV) to aminocarboxylic acids in aqueous solution. Polyhedron, 1994, 13, 1763-1771.	2.2	20
102	Formation of tris-chelated vanadium(IV) complexes by interaction of oxovanadium(IV) with catecholamines, 3-(3,4-dihydroxyphenyl)alanine and related ligands in aqueous solution. Journal of the Chemical Society Dalton Transactions, 1993, , 2057-2063.	1.1	19
103	Copper(II), nickel(II) and zinc(II) complexes of hexapeptides containing separate aspartyl and histidyl residues. Inorganica Chimica Acta, 2015, 426, 99-106.	2.4	19
104	Potentiometric and spectroscopic studies on the ternary complexes of copper(II) with dipeptides and nucleobases. Journal of Inorganic Biochemistry, 1997, 65, 103-108.	3.5	18
105	Oxovanadium(IV) binding to ligands containing donor sites of biological relevance. Inorganica Chimica Acta, 2001, 322, 87-98.	2.4	18
106	Oxovanadium(IV) Complexes with Pyrazinecarboxylic Acids:The Coordinating Properties of Ligands with the (Naromatic, COOâ€“) Donor Set. European Journal of Inorganic Chemistry, 2006, 2006, 2690-2700.	2.0	18
107	Stabilization of the open-chain structure ofD-galacturonic acid in a dimeric complex with oxovanadium(IV). Journal of the Chemical Society Dalton Transactions, 1990, , 1997-1999.	1.1	17
108	Oxovanadium(IV) complexes of ligands containing phosphonic acid moieties. Journal of the Chemical Society Dalton Transactions, 1996, , 87-92.	1.1	17

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109	Covalent and non-covalent binding in vanadiumâ€“protein adducts. Inorganic Chemistry Frontiers, 2021, 8, 1189-1196.	6.0	17
110	Solution equilibria and structural characterisation of the transition metal complexes of glycyl-l-cysteine disulfide. Polyhedron, 2000, 19, 1849-1857.	2.2	16
111	Oxidative stability of plant hydroalcoholic extracts assessed by EPR spin trapping under forced ageing conditions: A myrtle case study. Food Chemistry, 2019, 271, 753-761.	8.2	16
112	Extracts from Myrtle Liqueur Processing Waste Modulate Stem Cells Pluripotency under Stressing Conditions. BioMed Research International, 2019, 2019, 1-12.	1.9	16
113	Specific interactions of bovine and human Î²-casomorphin-7 with Cu(II) ions. Journal of Inorganic Biochemistry, 1998, 69, 91-95.	3.5	15
114	The effect of point mutations on copper(II) complexes with peptide fragments encompassing the 106â€“114 region of human prion protein. Monatshefte FÃ¼r Chemie, 2011, 142, 411-419.	1.8	15
115	Affinity, Speciation, and Molecular Features of Copper(II) Complexes with a Prion Tetraoctarepeat Domain in Aqueous Solution: Insights into Old and New Results. Chemistry - A European Journal, 2013, 19, 3751-3761.	3.3	15
116	Copper(II) complexes of imidazolinone herbicides. Inorganica Chimica Acta, 1997, 255, 215-220.	2.4	14
117	The effect of non-coordinating side chains on the metal binding affinities of peptides of histidine. Polyhedron, 2013, 62, 7-17.	2.2	14
118	Characterization and biotransformation in the plasma and red blood cells of VIVO2+ complexes formed by ceftriaxone. Journal of Inorganic Biochemistry, 2015, 147, 71-84.	3.5	14
119	Effect of the tetrazole cis-amide bond surrogate on the complexing ability of some enkephalin analogues toward Cu(II) ions. Journal of Inorganic Biochemistry, 1999, 76, 1-11.	3.5	13
120	Potentiometric and spectroscopic studies on the copper(II) and zinc(II) complexes of bis(imidazol-2-yl) derivatives of tripeptides. Polyhedron, 2006, 25, 3173-3182.	2.2	13
121	Copper(II) and nickel(II) binding sites of peptide containing adjacent histidyl residues. Journal of Inorganic Biochemistry, 2015, 151, 87-93.	3.5	13
122	Impact of 1,5-disubstituted tetrazole ring on chelating ability of Î´-selective opioid peptide. Journal of Inorganic Biochemistry, 2004, 98, 447-458.	3.5	12
123	Potentiometric and spectroscopic studies on copper(II) complexes of non-proteinogenic histidine analogues. Polyhedron, 2005, 24, 799-806.	2.2	12
124	Binding of Oxovanadium(IV) to Tripeptides Containing Histidine and Cysteine Residues and Its Biological Implication in the Transport of Vanadium and Insulin-Mimetic Compounds. European Journal of Inorganic Chemistry, 2005, 2005, 4953-4963.	2.0	12
125	Biorelevant reactions of the potential anti-tumor agent vanadocene dichloride. Metallomics, 2016, 8, 532-541.	2.4	12
126	Pharmacologically Active Vanadium Species: Distribution in Biological Media and Interaction with Molecular Targets. Current Medicinal Chemistry, 2021, 28, 7339-7384.	2.4	12

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127	Spectroscopic/Computational Characterization and the X-ray Structure of the Adduct of the V^{IV}Oâ€“Picolinato Complex with RNase A. Inorganic Chemistry, 2021, 60, 19098-19109.	4.0	12
128	Mo(VI) Potential Metallodrugs: Explaining the Transport and Cytotoxicity by Chemical Transformations. Inorganic Chemistry, 2022, 61, 4513-4532.	4.0	12
129	Can the 1,5-disubstituted tetrazole ring modify the co-ordinating ability and biological activity of opiate-like peptides?. Journal of Inorganic Biochemistry, 2000, 78, 283-291.	3.5	11
130	Biospeciation of Potential Vanadium Drugs of Acetylacetonate in the Presence of Proteins. Frontiers in Chemistry, 2020, 8, 345.	3.6	11
131	Copper(II) Complexes of Opiate-like Food Peptides. Journal of Agricultural and Food Chemistry, 1998, 46, 115-118.	5.2	10
132	Equilibrium and structural studies on transition metal complexes of amino acid derivatives containing the bis(pyridin-2-yl)methyl residue. New Journal of Chemistry, 2001, 25, 700-706.	2.8	10
133	Complexing properties of [(glycylamino)methyl]phosphinic acids towards Co2+, Ni2+, Cu2+ and Zn2+ ions in aqueous solutions. Dalton Transactions RSC, 2001, , 2850-2857.	2.3	10
134	Chelating properties of EDTA-type ligands containing six-membered backbone ring toward copper ion: Structure, EPR and TD-DFT evaluation. Polyhedron, 2017, 124, 215-228.	2.2	10
135	Complexation of oxovanadium(IV) by humic and tannic acids. Journal of Inorganic Biochemistry, 1990, 39, 109-115.	3.5	9
136	Potentiometric and spectroscopic studies on transition metal complexes of GlyLys(Gly) and Asp-É›-Lys. Dalton Transactions RSC, 2002, , 92-98.	2.3	9
137	V IV O and V IV Species Formed in Aqueous Solution by the Tridentate Glutaroimideâ€“Dioxime Ligand â€“ An Instrumental and Computational Characterization. European Journal of Inorganic Chemistry, 2018, 2018, 1805-1816.	2.0	9
138	Copper(ii) complexes of amino acid derivatives of the bis(imidazol-2-yl)methyl residue. New Journal of Chemistry, 2004, 28, 727-734.	2.8	8
139	Potentiometric and spectroscopic studies on the copper(<scp>ii</scp>) complexes of rat amylin fragments. The anchoring ability of specific non-coordinating side chains. Dalton Transactions, 2015, 44, 17091-17099.	3.3	8
140	Unusual binding modes in the copper(ii) and palladium(ii) complexes of peptides containing both histidyl and cysteinyl residues. New Journal of Chemistry, 2017, 41, 1372-1379.	2.8	8
141	Copper(II) and oxovanadium(IV) complexes of 2,3-dihydroxyterephthalic and 2,3,4-trihydroxybenzoic acids. Journal of the Chemical Society Dalton Transactions, 1994, , 347.	1.1	7
142	Copper(<scp>ii</scp>) coordination properties of the AÎ²(1â€“16)₂peptidomimetic: experimental evidence of intermolecular macrochelate complex species in the AÎ² dimer. New Journal of Chemistry, 2016, 40, 10274-10284.	2.8	7
143	Coordination of Copper(II) to Polyaminopolycarboxylic Acids in Aqueous Solution. Journal of Coordination Chemistry, 1992, 25, 265-270.	2.2	6
144	A new class of peptide chelating agents towards copper(II) ions. Polyhedron, 2001, 20, 1915-1923.	2.2	6

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145	Metal ion binding capability of secondary (N-methyl) versus primary (Nâ€“H) dipeptide hydroxamic acids. Polyhedron, 2016, 110, 172-181.	2.2	6
146	Interaction of a chelating agent, 5-hydroxy-2-(hydroxymethyl)pyridin-4(1 H)-one, with Al(III), Cu(II) and Zn(II) ions. Journal of Inorganic Biochemistry, 2017, 171, 18-28.	3.5	6
147	Can the Î±-hydroxymethylated amino acid residue influence the peptide binding ability towards copper(II) ions?. Journal of Inorganic Biochemistry, 1998, 72, 187-194.	3.5	5
148	V^{IV}O Complexes of Bis(imidazolâ€2â€yl) Derivatives: A Potentiometric, Spectroscopic and DFT Study. European Journal of Inorganic Chemistry, 2007, 2007, 4884-4896.	2.0	5
149	Coordination ability of insect kinin analogs. Polyhedron, 2009, 28, 485-492.	2.2	5
150	Histamine modified 2â€²-deoxyriboadenosine â€“ Potential copper binding site in DNAzymes. Journal of Inorganic Biochemistry, 2010, 104, 570-575.	3.5	5
151	Equilibrium between Different Coordination Geometries in Oxidovanadium(IV) Complexes. Journal of Chemical Education, 2015, 92, 1098-1102.	2.3	5
152	Synthesis of Nitric Oxide Donors Derived from Pilotyâ€™s Acid and Study of Their Effects on Dopamine Secretion from PC12 Cells. Pharmaceuticals, 2017, 10, 74.	3.8	5
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