

João Costa Pessoa

List of Publications by Year in descending order

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all docs

202
docs citations

202
times ranked

6370
citing authors

#	ARTICLE	IF	CITATIONS
1	Vanadium compounds in medicine. <i>Coordination Chemistry Reviews</i> , 2015, 301-302, 24-48.	18.8	393
2	In vitro study of the insulin-mimetic behaviour of vanadium(IV, V) coordination compounds. <i>Journal of Biological Inorganic Chemistry</i> , 2002, 7, 384-396.	2.6	220
3	Transport of Therapeutic Vanadium and Ruthenium Complexes by Blood Plasma Components. <i>Current Medicinal Chemistry</i> , 2010, 17, 3701-3738.	2.4	187
4	Synthesis, Characterization, and Application of Vanadium ^{IV} -Salen Complexes in Oxygen Transfer Reactions. <i>Inorganic Chemistry</i> , 2009, 48, 3542-3561.	4.0	181
5	Vanadium and proteins: Uptake, transport, structure, activity and function. <i>Coordination Chemistry Reviews</i> , 2015, 301-302, 49-86.	18.8	166
6	Biospeciation of antidiabetic VO(IV) complexes. <i>Coordination Chemistry Reviews</i> , 2008, 252, 1153-1162.	18.8	162
7	Ethanollic Extract of Propolis (EEP) Enhances the Apoptosis- Inducing Potential of TRAIL in Cancer Cells. <i>Molecules</i> , 2009, 14, 738-754.	3.8	160
8	Vanadium complexes immobilized on solid supports and their use as catalysts for oxidation and functionalization of alkanes and alkenes. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2315-2344.	18.8	158
9	Vanadium ionic species from degradation of Ti-6Al-4V metallic implants: In vitro cytotoxicity and speciation evaluation. <i>Materials Science and Engineering C</i> , 2019, 96, 730-739.	7.3	135
10	N,N'-Ethylenebis(pyridoxylideneiminato) and N,N'-Ethylenebis(pyridoxylaminato): Synthesis, Characterization, Potentiometric, Spectroscopic, and DFT Studies of Their Vanadium(IV) and Vanadium(V) Complexes. <i>Chemistry - A European Journal</i> , 2004, 10, 2301-2317.	3.3	127
11	Hydroxyquinoline derived vanadium(IV and V) and copper(II) complexes as potential anti-tuberculosis and anti-tumor agents. <i>Journal of Inorganic Biochemistry</i> , 2014, 141, 83-93.	3.5	125
12	Thirty years through vanadium chemistry. <i>Journal of Inorganic Biochemistry</i> , 2015, 147, 4-24.	3.5	122
13	Immobilisation of oxovanadium(IV), dioxomolybdenum(VI) and copper(II) complexes on polymers for the oxidation of styrene, cyclohexene and ethylbenzene. <i>Applied Catalysis A: General</i> , 2008, 351, 239-252.	4.3	116
14	Vanadium polypyridyl compounds as potential antiparasitic and antitumoral agents: New achievements. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 303-312.	3.5	115
15	Salen vs. salen metal complexes in catalysis and medicinal applications: Virtues and pitfalls. <i>Coordination Chemistry Reviews</i> , 2019, 388, 227-247.	18.8	115
16	Biospeciation of various antidiabetic VIVO compounds in serum. <i>Dalton Transactions</i> , 2009, , 2428.	3.3	109
17	Polymer-Bound Oxidovanadium(IV) and Dioxidovanadium(V) Complexes As Catalysts for the Oxidative Desulfurization of Model Fuel Diesel. <i>Inorganic Chemistry</i> , 2010, 49, 6586-6600.	4.0	109
18	Vanadium(IV and V) Complexes of Schiff Bases and Reduced Schiff Bases Derived from the Reaction of Aromatic-Hydroxyaldehydes and Diamines: Synthesis, Characterisation and Solution Studies. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 732-744.	2.0	104

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19	The speciation of vanadium in human serum. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2218-2226.	18.8	99
20	Vanadium complexes having [VIVO] ₂₊ and [V ^{VO} O ₂] ⁺ cores with binucleating dibasic tetradentate ligands: Synthesis, characterization, catalytic and anti-moebic activities. <i>Dalton Transactions</i> , 2010, 39, 1345-1360.	3.3	96
21	Vanadium(IV) and copper(II) complexes of salicylaldimines and aromatic heterocycles: Cytotoxicity, DNA binding and DNA cleavage properties. <i>Journal of Inorganic Biochemistry</i> , 2015, 147, 134-146.	3.5	93
22	Design of vanadium mixed-ligand complexes as potential anti-protozoa agents. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 609-616.	3.5	92
23	Vanadium complexes having [VO] ₂₊ , [VO] ₃₊ and [VO ₂] ⁺ cores with hydrazones of 2,6-diformyl-4-methylphenol: synthesis, characterization, reactivity, and catalytic potential. <i>Dalton Transactions</i> , 2013, 42, 11941.	3.3	90
24	Preparation and characterisation of new oxovanadium(IV) Schiff base complexes derived from amino acids and aromatic o-hydroxyaldehydes. <i>Inorganica Chimica Acta</i> , 1999, 293, 1-11.	2.4	88
25	A novel vanadyl complex with a polypyridyl DNA intercalator as ligand: A potential anti-protozoa and anti-tumor agent. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1386-1394.	3.5	85
26	Screening organometallic binuclear thiosemicarbazone ruthenium complexes as potential anti-tumour agents: cytotoxic activity and human serum albumin binding mechanism. <i>Dalton Transactions</i> , 2013, 42, 7131.	3.3	83
27	Vanadium Diaminebis(phenolate) Complexes: Syntheses, Structures, and Reactivity in Sulfoxidation Catalysis. <i>Inorganic Chemistry</i> , 2010, 49, 7452-7463.	4.0	82
28	Copper(II) complexes with tridentate pyrazole-based ligands: synthesis, characterization, DNA cleavage activity and cytotoxicity. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 637-644.	3.5	77
29	The N-terminal Half of the Peroxisomal Cycling Receptor Pex5p is a Natively Unfolded Domain. <i>Journal of Molecular Biology</i> , 2006, 356, 864-875.	4.2	76
30	Synthesis, biological characterization and evaluation of molecular mechanisms of novel copper complexes as anticancer agents. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 218-234.	2.4	76
31	Synthesis, characterization, reactivity and catalytic activity of oxidovanadium(IV), oxidovanadium(V) and dioxidovanadium(V) complexes of benzimidazole modified ligands. <i>Dalton Transactions</i> , 2011, 40, 6968.	3.3	75
32	Crystal and molecular structure of [V ₂ O ₃ (sal-L-val) ₂ (H ₂ O)] (sal-L-val = N-salicylidene-L-valinate) and spectroscopic properties of related complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 1989.	1.1	74
33	Molecular modelling studies of N-salicylideneamino acidato complexes of oxovanadium(IV). Molecular and crystal structure of a new dinuclear [VOVO] mixed valence complex. <i>Dalton Transactions RSC</i> , 2002, , 4407.	2.3	72
34	Micro-focused ultrasonic solid-liquid extraction (1/4FUSLE) combined with HPLC and fluorescence detection for PAHs determination in sediments: optimization and linking with the analytical minimalism concept. <i>Talanta</i> , 2005, 66, 1272-1280.	5.5	72
35	[Ru(1-5-C ₅ H ₅)(bipy)(PPh ₃) ₂] ⁺ , a promising large spectrum antitumor agent: Cytotoxic activity and interaction with human serum albumin. <i>Journal of Inorganic Biochemistry</i> , 2012, 117, 261-269.	3.5	72
36	Interaction of vanadium(IV) with human serum apo-transferrin. <i>Journal of Inorganic Biochemistry</i> , 2013, 121, 187-195.	3.5	72

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37	Evaluation of the binding of oxovanadium(IV) to human serum albumin. Dalton Transactions, 2012, 41, 6477.	3.3	71
38	Solid state and solution studies of a vanadium(III)-L-cysteine compound and demonstration of its antimetastatic, antioxidant and inhibition of neutral endopeptidase activities. Journal of Inorganic Biochemistry, 2004, 98, 959-968.	3.5	68
39	Vanadium compounds as therapeutic agents: Some chemical and biochemical studies. Journal of Inorganic Biochemistry, 2009, 103, 601-608.	3.5	68
40	Oxidovanadium(IV) Schiff Base Complex Derived from Vitamin B ₆ : Synthesis, Characterization, and Insulin Enhancing Properties. Inorganic Chemistry, 2011, 50, 4349-4361.	4.0	66
41	Uptake and metabolic effects of insulin mimetic oxovanadium compounds in human erythrocytes. Journal of Inorganic Biochemistry, 2005, 99, 2328-2339.	3.5	65
42	Bovine serum albumin conformational changes upon adsorption on titania and on hydroxyapatite and their relation with biomineralization. Journal of Biomedical Materials Research Part B, 2004, 70A, 420-427.	3.1	64
43	Synthesis, Characterization, Catalytic and Antiamoebic Activity of Vanadium Complexes of Binucleating Bis(dibasic tridentate ONS donor) Ligand Systems. European Journal of Inorganic Chemistry, 2012, 2012, 2560-2577.	2.0	64
44	Oxovanadium(IV) and amino acids. I. The system L-alanine+VO ₂ ⁺ ; a potentiometric and spectroscopic study. Polyhedron, 1988, 7, 1245-1262.	2.2	62
45	Chemistry of Monomeric and Dinuclear Non-Oxido Vanadium(IV) and Oxidovanadium(V) Aroylazine Complexes: Exploring Solution Behavior. Inorganic Chemistry, 2016, 55, 1165-1182.	4.0	62
46	Salicylideneserinato complexes of vanadium. Crystal structure of the sodium salt of a complex of vanadium-(IV) and -(V). Journal of the Chemical Society Dalton Transactions, 1992, , 1745.	1.1	61
47	Synthesis, structure, magnetic properties and biological activity of supramolecular copper(II) and nickel(II) complexes with a Schiff base ligand derived from vitamin B ₆ . Dalton Transactions, 2013, 42, 2594-2607.	3.3	60
48	Factors governing abundance of hydrolyzable amino acids in the sediments from the N.W. European Continental Margin (47°50'N). Progress in Oceanography, 1998, 42, 145-164.	3.2	59
49	DNA cleavage activity of VIVO(acac) ₂ and derivatives. Journal of Inorganic Biochemistry, 2009, 103, 622-632.	3.5	59
50	Oxidovanadium(IV) and dioxidovanadium(V) complexes of tridentate salicylaldehyde semicarbazones: Searching for prospective antitrypanosomal agents. Journal of Inorganic Biochemistry, 2013, 127, 150-160.	3.5	59
51	Vanadium(V) complexes of a tripodal ligand, their characterisation and biological implications. Dalton Transactions, 2015, 44, 17736-17755.	3.3	59
52	N-salicylideneamino acidate complexes of oxovanadium(IV). Part 1. Crystal and molecular structures and spectroscopic properties. Journal of the Chemical Society Dalton Transactions, 1994, , 149.	1.1	58
53	Vanadium-salen and -salan complexes: Characterization and application in oxygen-transfer reactions. Pure and Applied Chemistry, 2009, 81, 1279-1296.	1.9	58
54	New oxidovanadium(IV) N-acylhydrazone complexes: Promising antileishmanial and antitrypanosomal agents. European Journal of Medicinal Chemistry, 2013, 62, 20-27.	5.5	57

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55	The system VO ₂ ⁺⁺ oxidized glutathione: a potentiometric and spectroscopic study. <i>Journal of Inorganic Biochemistry</i> , 2001, 84, 259-270.	3.5	56
56	A new series of heteroleptic oxidovanadium(IV) compounds with phenanthroline-derived co-ligands: selective <i>Trypanosoma cruzi</i> growth inhibitors. <i>Dalton Transactions</i> , 2013, 42, 11900.	3.3	56
57	Oxovanadium(IV) complexes with aromatic aldehydes. <i>Journal of Inorganic Biochemistry</i> , 2000, 80, 35-39.	3.5	55
58	VIVO and Cull complexation by ligands based on pyridine nitrogen donors. <i>Dalton Transactions</i> , 2012, 41, 12824.	3.3	55
59	Copper Complexes with 1,10-Phenanthroline Derivatives: Underlying Factors Affecting Their Cytotoxicity. <i>Inorganic Chemistry</i> , 2020, 59, 9116-9134.	4.0	55
60	Amino Alcohol-Derived Reduced Schiff Base V ^{IV} O and V ^V Compounds as Catalysts for Asymmetric Sulfoxidation of Thioanisole with Hydrogen Peroxide. <i>Inorganic Chemistry</i> , 2012, 51, 11430-11449.	4.0	54
61	New Cu(II) complexes with pyrazolyl derived Schiff base ligands: Synthesis and biological evaluation. <i>Journal of Inorganic Biochemistry</i> , 2017, 174, 63-75.	3.5	54
62	Vanadium Complexes as Prospective Therapeutics: Structural Characterization of a V ^{IV} Lysozyme Adduct. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3293-3297.	2.0	53
63	Oxidation of p-chlorotoluene and cyclohexene catalysed by polymer-anchored oxovanadium(IV) and copper(II) complexes of amino acid derived tridentate ligands. <i>Dalton Transactions</i> , 2008, , 4220.	3.3	52
64	Synthesis, spectroscopic characterization, insulin-enhancement, and competitive DNA binding activity of a new Zn(II) complex with a vitamin B6 derivative—a new fluorescence probe for Zn(II). <i>Dalton Transactions</i> , 2012, 41, 5260.	3.3	52
65	Dinuclear Oxidovanadium(IV) and Dioxidovanadium(V) Complexes of 5,5'-Methylenebis(dibasic) Tj ETQq1 1 0.784314 rgBT /Over Activities. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 5377-5390.	2.0	51
66	New insights on vanadium binding to human serum transferrin. <i>Inorganica Chimica Acta</i> , 2014, 420, 60-68.	2.4	51
67	Synthesis of Chiral Pyrrolo[1,2-c]thiazoles via Intramolecular Dipolar Cycloaddition of M ⁿ chnones: An Interesting Rearrangement to Pyrrolo[1,2-c]thiazines. <i>Journal of Organic Chemistry</i> , 2002, 67, 4045-4054.	3.2	49
68	The systems VIVO ₂ ⁺ -glutathione and related ligands: a potentiometric and spectroscopic study. <i>Journal of Biological Inorganic Chemistry</i> , 2002, 7, 225-240.	2.6	49
69	Interactions of VO(IV) with oligopeptides. <i>Coordination Chemistry Reviews</i> , 2003, 237, 123-133.	18.8	49
70	Interaction and Lipid-Induced Conformation of Two Cecropin~Melittin Hybrid Peptides Depend on Peptide and Membrane Composition. <i>Journal of Physical Chemistry B</i> , 2005, 109, 17311-17319.	2.6	49
71	Epoxidation of olefins catalysed by vanadium-salan complexes: a theoretical mechanistic study. <i>Dalton Transactions</i> , 2009, , 5460.	3.3	49
72	A Polymer-Bound Oxidovanadium(IV) Complex Prepared from anL-Cysteine-Derived Ligand for the Oxidative Amination of Styrene. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 577-587.	2.0	47

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73	Polystyrene bound oxidovanadium(IV) and dioxidovanadium(V) complexes of histamine derived ligand for the oxidation of methyl phenyl sulfide, diphenyl sulfide and benzoin. Dalton Transactions, 2009, , 2185.	3.3	47
74	Water-Soluble Sal2en- and Reduced Sal2en-Type Ligands: Study of Their CuII and NiII Complexes in the Solid State and in Solution. European Journal of Inorganic Chemistry, 2006, 2006, 2819-2830.	2.0	46
75	Polymer-bound oxidovanadium(IV) and dioxidovanadium(V) complexes: synthesis, characterization and catalytic application for the hydroamination of styrene and vinyl pyridine. Dalton Transactions, 2009, , 9555.	3.3	46
76	Titanium(IV)â€“Salan Catalysts for Asymmetric Sulfoxidation with Hydrogen Peroxide. European Journal of Inorganic Chemistry, 2010, 2010, 5568-5578.	2.0	46
77	Evaluation of cellular uptake, cytotoxicity and cellular ultrastructural effects of heteroleptic oxidovanadium(IV) complexes of salicylaldehydes and polypyridyl ligands. Journal of Inorganic Biochemistry, 2017, 166, 162-172.	3.5	46
78	New V^{IV}, V^{IV}O, V^VO, and V^VO₂ Systems: Exploring their Interconversion in Solution, Protein Interactions, and Cytotoxicity. Inorganic Chemistry, 2020, 59, 14042-14057.	4.0	46
79	Structural studies of decavanadate compounds with organic molecules and inorganic ions in their crystal packing. Inorganica Chimica Acta, 2004, 357, 4476-4487.	2.4	45
80	Oxidovanadium(^{iv}) and dioxidovanadium(^v) complexes of hydrazones of 2-benzoylpyridine and their catalytic applications. Dalton Transactions, 2015, 44, 1211-1232.	3.3	43
81	Oxovanadium(IV) and amino acidsâ€“II. The systems l-serine and l-threonine+VO2+. A potentiometric and spectroscopic study. Polyhedron, 1989, 8, 1173-1199.	2.2	42
82	Pyrazolylâ€“Diamine Ligands That Bear Anthracenyl Moieties and Their Rhenium(I) Tricarbonyl Complexes: Synthesis, Characterisation and DNAâ€“Binding Properties. ChemBioChem, 2008, 9, 131-142.	2.6	42
83	Tricarbonyl M(I) (M = Re, 99mTc) complexes bearing acridine fluorophores: synthesis, characterization, DNA interaction studies and nuclear targeting. Organic and Biomolecular Chemistry, 2010, 8, 4104.	2.8	42
84	Zeolite-Encapsulated Copper(II) Complexes of Pyridoxal-Based Tetradentate Ligands for the Oxidation of Styrene, Cyclohexene and Methyl Phenyl Sulfide. European Journal of Inorganic Chemistry, 2007, 2007, 5720-5734.	2.0	41
85	Vanadium complexes supported on organic polymers as sustainable systems for catalytic oxidations. Inorganica Chimica Acta, 2017, 455, 415-428.	2.4	41
86	Misinterpretations in Evaluating Interactions of Vanadium Complexes with Proteins and Other Biological Targets. Inorganics, 2021, 9, 17.	2.7	41
87	Binding of vanadium ions and complexes to proteins and enzymes in aqueous solution. Coordination Chemistry Reviews, 2021, 449, 214192.	18.8	40
88	Oxidovanadium(IV) Complexes of Tetradentate Ligands Encapsulated in Zeolite-Y as Catalysts for the Oxidation of Styrene, Cyclohexene and Methyl Phenyl Sulfide. European Journal of Inorganic Chemistry, 2011, 2011, 4846-4861.	2.0	39
89	Polymer-bound metal complexes as catalysts: Synthesis, characterization, reactivity and catalytic activity in Eâ€“H bond activation. Journal of Organometallic Chemistry, 2011, 696, 244-254.	1.8	39
90	Synthesis, structure, solution behavior, reactivity and biological evaluation of oxidovanadium(^{iv})/^v thiosemicarbazone complexes. Dalton Transactions, 2018, 47, 11358-11374.	3.3	39

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91	A novel VIVO ^{IV} pyrimidinone complex: synthesis, solution speciation and human serum protein binding. Dalton Transactions, 2013, 42, 11841.	3.3	38
92	Interaction of [V ^{IV} O(acac) ₂] with Human Serum Transferrin and Albumin. Chemistry - an Asian Journal, 2017, 12, 2062-2084.	3.3	38
93	Lanthanide complexes with phenanthroline-based ligands: insights into cell death mechanisms obtained by microscopy techniques. Dalton Transactions, 2019, 48, 4611-4624.	3.3	38
94	Therapeutic potential of vanadium complexes with 1,10-phenanthroline ligands, quo vadis? Fate of complexes in cell media and cancer cells. Journal of Inorganic Biochemistry, 2021, 217, 111350.	3.5	38
95	Preparation and characterisation of new oxovanadium(IV) Schiff base complexes derived from salicylaldehyde and simple dipeptides. Inorganica Chimica Acta, 2000, 305, 7-13.	2.4	37
96	Preparation and characterisation of vanadium complexes derived from salicylaldehyde or pyridoxal and sugar derivatives. Inorganica Chimica Acta, 2003, 356, 121-132.	2.4	37
97	Electronic Properties of a Cytosine Decavanadate: Toward a Better Understanding of Chemical and Biological Properties of Decavanadates. Inorganic Chemistry, 2009, 48, 9742-9753.	4.0	37
98	Exploring the cytotoxic activity of new phenanthroline salicylaldimine Zn(II) complexes. Journal of Inorganic Biochemistry, 2019, 198, 110727.	3.5	37
99	N-salicylideneamino-acidate complexes of oxovanadium(IV) ^{II} . Synthesis, characterization and deamination of an n-salicylidene-glycylglycinato complex. Polyhedron, 1995, 14, 429-439.	2.2	36
100	Evaluation of the binding of four anti-tumor Casiopeínas [®] to human serum albumin. Journal of Inorganic Biochemistry, 2017, 175, 284-297.	3.5	36
101	Oxovanadium(IV) complexes of the dipeptides glycyl-L-aspartic acid, L-aspartylglycine and related ligands; a spectroscopic and potentiometric study. Journal of the Chemical Society Dalton Transactions, 1998, , 3587-3600.	1.1	35
102	Vanadate substituted phytase: Immobilization, structural characterization and performance for sulfoxidations. Journal of Inorganic Biochemistry, 2008, 102, 318-329.	3.5	35
103	Binding of VIVO ₂ ⁺ to the Fe binding sites of human serum transferrin. A theoretical study. Journal of Biological Inorganic Chemistry, 2013, 18, 803-813.	2.6	35
104	Polystyrene bound dioxidovanadium(V) complexes of 2-acetylpyridine derived ligands for catalytic oxidations. Inorganica Chimica Acta, 2014, 420, 24-38.	2.4	35
105	May iron(III) complexes containing phenanthroline derivatives as ligands be prospective anticancer agents?. European Journal of Medicinal Chemistry, 2019, 176, 492-512.	5.5	35
106	Oxovanadium(IV) and amino acids ^{III} . The system l-aspartic acid+vo ₂ ⁺ ; A potentiometric and spectroscopic study. Polyhedron, 1990, 9, 81-98.	2.2	34
107	Novel Asymmetric Wittig Reaction: Synthesis of Chiral Allenic Esters. European Journal of Organic Chemistry, 2004, 2004, 4830-4839.	2.4	34
108	Versatile Reactivity and Theoretical Evaluation of Mono- and Dinuclear Oxidovanadium(V) Compounds of Aroylazines: Electrogeneration of Mixed-Valence Divanadium(IV,V) Complexes. Inorganic Chemistry, 2016, 55, 8407-8421.	4.0	33

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109	Molecular structure of [VO(sal-D,L-Asn)(py)(H ₂ O)] and reaction to produce coumarin-3-carboxamide. <i>Chemical Communications</i> , 1996, , 1365.	4.1	32
110	Thiolate-S as anchoring donor in the binary and ternary VO(IV) complexes of mercaptopropionylglycine. <i>Inorganica Chimica Acta</i> , 2002, 339, 119-128.	2.4	32
111	New polydentate Ru(III)-Salan complexes: Synthesis, characterization, anti-tumour activity and interaction with human serum proteins. <i>Inorganica Chimica Acta</i> , 2013, 394, 616-626.	2.4	31
112	Expanding the family of heteroleptic oxidovanadium(IV) compounds with salicylaldehyde semicarbazones and polypyridyl ligands showing anti-Trypanosoma cruzi activity. <i>Journal of Inorganic Biochemistry</i> , 2015, 147, 116-125.	3.5	31
113	Preparation of [VO(sal-L-Trp)(H ₂ O)] (sal-L-Trp=N-salicylidene-L-tryptophanate) and characterisation of an unusual product obtained from its solutions in water-pyridine. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 4015-4020.	1.1	30
114	Cull-salan compounds: Synthesis, characterization and evaluation of their potential as oxidation catalysts. <i>Journal of Organometallic Chemistry</i> , 2014, 760, 212-223.	1.8	30
115	Heteroleptic oxidovanadium(IV) complexes of 2-hydroxynaphthylaldimine and polypyridyl ligands against Trypanosoma cruzi and prostate cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2017, 175, 154-166.	3.5	30
116	Antimicrobial and antitumor activity of S-methyl dithiocarbazate Schiff base zinc(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2021, 216, 111331.	3.5	30
117	Bis-(N-hydroxy-iminodiacetate)vanadate(IV), a synthetic model of amavadin™. <i>Journal of the Chemical Society Chemical Communications</i> , 1988, , 1158-1159.	2.0	29
118	Oxovanadium(IV) and amino acids-IV. The systems l-cysteine or d-penicillamine+VO ₂ ⁺ ; a potentiometric and spectroscopic study. <i>Polyhedron</i> , 1990, 9, 2101-2125.	2.2	29
119	Oxovanadium(IV) and amino acids-VI. The systems glycylglycine and glycylglycylglycine + VO ₂ ⁺ ; a potentiometric and spectroscopic study. <i>Polyhedron</i> , 1993, 12, 2857-2867.	2.2	28
120	Oxovanadium(IV) complexes of peptides with non-co-ordinating side chains and related ligands; a spectroscopic study. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 569-576.	1.1	27
121	Searching for Vanadium-Based Prospective Agents against <i>Trypanosoma cruzi</i> : Oxidovanadium(IV) Compounds with Phenanthroline Derivatives as Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1417-1425.	1.2	26
122	Model investigations for vanadium-protein interactions: vanadium(III) compounds with dipeptides and their oxovanadium(IV) analogues. <i>Journal of Biological Inorganic Chemistry</i> , 2002, 7, 363-374.	2.6	25
123	X-ray Crystal Structure and Characterization in Aqueous Solution of {N,N'-Ethylenebis(pyridoxylaminato)}zinc(II). <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 656-662.	2.0	25
124	Interactions of Insulin-Mimetic Vanadium Complexes with the Cell Constituents ATP and Glutathione. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3614-3621.	2.0	25
125	New ternary bipyridine-terpyridine copper complexes as self-activating chemical nucleases. <i>RSC Advances</i> , 2014, 4, 61363-61377.	3.6	25
126	Oxovanadium(IV) and amino acids-V. The system l-glutamic acid+VO ₂ ⁺ ; a potentiometric and spectroscopic study. <i>Polyhedron</i> , 1992, 11, 1449-1461.	2.2	24

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127	Oxovanadium(IV)-Promoted Peptide-Amide Deprotonation in Aqueous Solution. <i>Inorganic Chemistry</i> , 1998, 37, 6389-6391.	4.0	24
128	N-Salicylideneamino acidato complexes of oxovanadium(IV). The cysteine and penicillamine complexes. <i>Dalton Transactions</i> , 2004, , 2855.	3.3	24
129	Binding of vanadium to human serum transferrin - voltammetric and spectrometric studies. <i>Journal of Inorganic Biochemistry</i> , 2018, 180, 211-221.	3.5	24
130	Trinuclear vanadium(IV) and vanadium(V) complexes derived from 2,4,6-triacetylphloroglucinol and study of their peroxidase mimicking activity. <i>Dalton Transactions</i> , 2020, 49, 2589-2609.	3.3	22
131	Oxovanadium(IV) and amino acids VII. The system l-histidine+VO ₂ ⁺ ; a self-consistent potentiometric and spectroscopic study. <i>Polyhedron</i> , 1994, 13, 3177-3198.	2.2	21
132	Cytotoxic activity and structural features of Ru(II)/phosphine/amino acid complexes. <i>Journal of Inorganic Biochemistry</i> , 2018, 182, 48-60.	3.5	21
133	Chiral Diamine Bis(phenolate) Ti ^{IV} and Zr ^{IV} Complexes – Synthesis, Structures and Reactivity. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4277-4290.	2.0	20
134	Formation of an unusual pyridoxal derivative: Characterization of Cu(II), Ni(II) and Zn(II) complexes and evaluation of binding to DNA and to human serum albumin. <i>Inorganica Chimica Acta</i> , 2015, 426, 150-159.	2.4	20
135	Coordination ability and biological activity of a naringenin thiosemicarbazone. <i>Journal of Inorganic Biochemistry</i> , 2016, 165, 36-48.	3.5	20
136	Solution Behaviour and Catalytic Potential towards Oxidation of Dopamine by Oxidovanadium(V) Complexes of Tripodal Tetradentate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3087-3099.	2.0	20
137	Vanadium (IV and V) Complexes of Reduced Schiff Bases Derived from the Reaction of Aromatic-Hydroxyaldehydes and Diamines Containing Carboxyl Groups. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3595-3606.	2.0	19
138	Complexation of Molybdenum(VI) with Bis(3-hydroxy-4-pyridinone)amino Acid Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 1728-1737.	2.0	19
139	New metal complexes of NNO tridentate ligands: Effect of metal center and co-ligand on biological activity. <i>Inorganica Chimica Acta</i> , 2014, 420, 39-46.	2.4	19
140	Amino acid derived Cu ^{II} compounds as catalysts for asymmetric oxidative coupling of 2-naphthol. <i>Dalton Transactions</i> , 2015, 44, 1612-1626.	3.3	19
141	New thiosemicarbazide and dithiocarbazate based oxidovanadium(IV) and dioxovanadium(V) complexes. Reactivity and catalytic potential. <i>New Journal of Chemistry</i> , 2019, 43, 17620-17635.	2.8	19
142	Synthesis and structural characterization of a polyoxovanadate coordination complex [V ₄ O ₈ (CH ₃ O) ₄ (bipy) ₂] with a tetrametallate core. <i>Polyhedron</i> , 1993, 12, 1231-1237.	2.2	18
143	Membrane structure and interactions of a short Lycotoxin I analogue. <i>Journal of Peptide Science</i> , 2008, 14, 528-534.	1.4	18
144	Oxovanadium(IV and V) and copper(II) complexes of N-salicyl-glycylglycine and N-salicyl-glycylglycylglycine. <i>Dalton Transactions RSC</i> , 2002, , 4440.	2.3	17

#	ARTICLE	IF	CITATIONS
145	Exploring oxidovanadium(IV) homoleptic complexes with 8-hydroxyquinoline derivatives as prospective antitrypanosomal agents. <i>New Journal of Chemistry</i> , 2019, 43, 17756-17773.	2.8	17
146	New ternary iron(III) aminobisphenolate hydroxyquinoline complexes as potential therapeutic agents. <i>Dalton Transactions</i> , 2019, 48, 8702-8716.	3.3	17
147	Cu(II) and V(IV)O complexes with tri- or tetradentate ligands based on (2-hydroxybenzyl)-alanines reveal promising anticancer therapeutic potential. <i>Dalton Transactions</i> , 2021, 50, 157-169.	3.3	17
148	Copper(II) and oxidovanadium(IV) complexes of chromone Schiff bases as potential anticancer agents. <i>Journal of Biological Inorganic Chemistry</i> , 2022, 27, 89-109.	2.6	17
149	The system l-malic acid+oxovanadium(IV); a potentiometric and spectroscopic study. <i>Polyhedron</i> , 1992, 11, 697-708.	2.2	16
150	Enantioselectivity in Ni(II) Schiff-base complexes derived from amino-acids and (S)-o-N-(N-benzylpropyl)aminobenzophenone. Molecular structure of several chiral Ni(II) Schiff-base complexes, circular dichroism and molecular mechanics studies. <i>Dalton Transactions</i> , 2005, , 2312.	3.3	16
151	Interaction of VVO, VVO ₂ and CuII with a Peptide Analogue SalGly-L-Ala. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 2113-2122.	2.0	15
152	Interaction with Blood Proteins of a Ruthenium(II) Nitrofuryl Semicarbazone Complex: Effect on the Antitumoral Activity. <i>Molecules</i> , 2019, 24, 2861.	3.8	15
153	The systems l-cysteine and d-penicillamine+ oxovanadium(IV); a potentiometric and spectroscopic study. <i>Polyhedron</i> , 1989, 8, 1745-1747.	2.2	14
154	Monitoring the removal of soluble salts from ancient tiles by ion chromatography. <i>Journal of Chromatography A</i> , 1997, 770, 195-201.	3.7	14
155	Vanadium(IV) and V(V) Complexes of Reduced Schiff Bases Derived from Aromatic <i>o</i> -Hydroxyaldehydes and Tyrosine Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 694-708.	2.0	14
156	Influence of polydentate ligands in the structure of dinuclear vanadium compounds. <i>Pure and Applied Chemistry</i> , 2009, 81, 1297-1311.	1.9	13
157	Naphthoylhydrazones: coordination to metal ions and biological screening. <i>New Journal of Chemistry</i> , 2019, 43, 17801-17818.	2.8	13
158	New heterobimetallic ferrocenyl derivatives are promising antitrypanosomal agents. <i>Dalton Transactions</i> , 2019, 48, 7644-7658.	3.3	13
159	Spectroscopic and Structural Characterization of Noninnocent Mixed-Ligand Oxidovanadium(V) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4846-4855.	2.0	12
160	Solution chemical properties and anticancer potential of 8-hydroxyquinoline hydrazones and their oxidovanadium(IV) complexes. <i>Journal of Inorganic Biochemistry</i> , 2022, 235, 111932.	3.5	12
161	An unusual half-open cubane-like tetranuclear copper(II) complex supported by both μ_4 -alkoxo and μ_3 -hydroxo bridges: Structure, magnetic properties, EPR and DFT studies. <i>Polyhedron</i> , 2013, 53, 269-277.	2.2	11
162	Contribution to the synthesis of chiral allenic esters. <i>Tetrahedron Letters</i> , 2003, 44, 6409-6412.	1.4	10

#	ARTICLE	IF	CITATIONS
163	Pinacol coupling of benzaldehydes mediated by titanium complexes displaying amine bis(phenolate) ligands. <i>Journal of Molecular Catalysis A</i> , 2016, 412, 107-116.	4.8	10
164	New V ^{IV} -O-complexes for oxidative desulfurization of refractory sulfur compounds in fuel: synthesis, structure, reactivity trend and mechanistic studies. <i>Dalton Transactions</i> , 2019, 48, 16687-16704.	3.3	10
165	Binding of V ^{IV} O ₂ , V ^{IV} OL, V ^{IV} OL ₂ and V ^V O ₂ L Moieties to Proteins: X-ray/Theoretical Characterization and Biological Implications. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	10
166	Liposomal Formulations of a New Zinc(II) Complex Exhibiting High Therapeutic Potential in a Murine Colon Cancer Model. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6728.	4.1	10
167	X-ray characterization of an unusual product obtained from [VO(Sal ⁻ Phe)(H ₂ O)] in H ₂ Opyridine solutions. <i>Polyhedron</i> , 1998, 17, 3269-3274.	2.2	9
168	Spectroscopic studies of vanadium biosorption on different types of carbohydrate biomass. <i>Canadian Journal of Chemistry</i> , 2013, 91, 186-195.	1.1	9
169	Photophysical properties and biological evaluation of a Zinc(II)-5-methyl-1H-pyrazole Schiff base complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 317-327.	3.9	9
170	Preparation and characterisation of oxovanadium(IV) complexes derived from 2,6-diformyl-4-methylphenol and l-His and l-Ala. Spectroscopic study of the system VIVO ₂ ++BDF ⁻ His. <i>Inorganica Chimica Acta</i> , 2005, 358, 2246-2254.	2.4	8
171	Oxovanadium(IV) complexes of salicyl-l-aspartic acid and salicylglycyl-l-aspartic acid. <i>Dalton Transactions</i> , 2005, , 3072.	3.3	8
172	Structural tuning and self-association of (arylimido)vanadium(V) compounds. <i>Pure and Applied Chemistry</i> , 2009, 81, 1187-1195.	1.9	8
173	The effect of phosphate on the nuclease activity of vanadium compounds. <i>Journal of Inorganic Biochemistry</i> , 2015, 147, 165-176.	3.5	8
174	Vanadium Schiff Base Complexes: Chemistry, Properties, and Concerns about Possible Therapeutic Applications. <i>ACS Symposium Series</i> , 2007, , 340-351.	0.5	7
175	Unusual chemistry of Cu(^{II}) salan complexes: synthesis, characterization and superoxide dismutase activity. <i>New Journal of Chemistry</i> , 2020, 44, 11457-11470.	2.8	7
176	Enhancement of the Antioxidant and Antimicrobial Activities of Porphyrin through Chemical Modification with Tyrosine Derivatives. <i>Molecules</i> , 2021, 26, 2916.	3.8	7
177	Removal and Analysis of Soluble Salts from Ancient Tiles. <i>Studies in Conservation</i> , 1996, 41, 153.	1.1	6
178	New iron(III) anti-cancer aminobisphenolate/phenanthroline complexes: Enhancing their therapeutic potential using nanoliposomes. <i>International Journal of Pharmaceutics</i> , 2022, 623, 121925.	5.2	6
179	Oxygen activation by copper camphor complexes. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 1019-1028.	6.0	5
180	Analysis of the First Order and Slowly Varying Motions of an Axisymmetric Floating Body in Bichromatic Waves. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2013, 135, .	1.2	4

#	ARTICLE	IF	CITATIONS
181	Cu(II) complexes derived from N-carboxymethyl and N-carboxyethyl amino acids as catalysts for asymmetric oxidative coupling of 2-naphthol. <i>Molecular Catalysis</i> , 2019, 475, 110480.	2.0	4
182	Exploring the therapeutic potential of Cu(II)-complexes with ligands derived from pyridoxal. <i>Inorganica Chimica Acta</i> , 2020, 507, 119558.	2.4	4
183	New phosphotetradecavanadate hybrids: crystal structure, DFT analysis, stability and binding interactions with bio-macromolecules. <i>Dalton Transactions</i> , 2022, , .	3.3	4
184	Validation data supporting the characterization of novel copper complexes as anticancer agents. <i>Data in Brief</i> , 2016, 9, 1160-1174.	1.0	3
185	Non-native states of cardosin A induced by acetonitrile: Activity modulation via polypeptide chains rearrangements. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 61, 274-278.	1.8	2
186	Preface: 6th International Vanadium Symposium. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 473.	3.5	2
187	Strecker degradation of amino acids promoted by a camphor-derived sulfonamide. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 732-744.	2.2	2
188	Ultrastructural features of cells following incubation with metal complexes using phenanthroline-based ligands: The influence of the metal center. <i>Ultrastructural Pathology</i> , 2017, 41, 128-129.	0.9	2
189	Experimental data on novel Fe(III)-complexes containing phenanthroline derivatives for their anticancer properties. <i>Data in Brief</i> , 2019, 27, 104548.	1.0	2
190	-Phenylalanine derived tripodal vanadium complexes as catalysts for the asymmetric reductive coupling of benzaldehyde. <i>Inorganica Chimica Acta</i> , 2020, 510, 119727.	2.4	2
191	Synthesis, characterization and DFT studies of novel "CH ₂ " capped and non-capped salan complexes. <i>Inorganica Chimica Acta</i> , 2021, 519, 120265.	2.4	2
192	Binding of Oxovanadium(IV) Complexes to Blood Serum Albumins. <i>Journal of the Mexican Chemical Society</i> , 2017, 57, .	0.6	2
193	Synthesis, biological characterization and evaluation of molecular mechanisms of novel copper complexes as anticancer agents. <i>Toxicology Letters</i> , 2016, 258, S60.	0.8	1
194	Cellular ultrastructural studies and biological effects of copper complexes of phenanthroline derivatives. <i>Annals of Medicine</i> , 2024, 51, 36-36.	3.8	1
195	VIVO and VVO ₂ complexes of schiff base derivatives of ethylenediamine and vitamine B6. <i>Journal of Inorganic Biochemistry</i> , 2003, 96, 211.	3.5	0
196	Novel Asymmetric Wittig Reaction: Synthesis of Chiral Allenic Esters.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
197	Investigation of the cytosine"decavanadate interaction from an experimental charge density: a supramolecular arrangement of Na ₃ V ₁₀ O ₂₈ (C ₄ N ₃ OH ₅) ₃ (C ₄ N ₃ OH ₆) ₃ ·10H ₂ O in the solid state. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2004, 60, s34-s34.	0.3	0