

Eugenio Garribba

List of Publications by Year in descending order

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206
papers

6,531
citations

46918

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all docs

207
docs citations

207
times ranked

4477
citing authors

#	ARTICLE	IF	CITATIONS
1	The Determination of the Geometry of Cu(II) Complexes: An EPR Spectroscopy Experiment. <i>Journal of Chemical Education</i> , 2006, 83, 1229.	1.1	332
2	Vanadium and proteins: Uptake, transport, structure, activity and function. <i>Coordination Chemistry Reviews</i> , 2015, 301-302, 49-86.	9.5	166
3	Polyoxovanadates with emerging biomedical activities. <i>Coordination Chemistry Reviews</i> , 2021, 447, 214143.	9.5	115
4	Interaction of VO ₂ ⁺ ion with human serum transferrin and albumin. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 648-655.	1.5	105
5	The Cu(II)-2,2'-bipyridine system revisited. <i>Inorganica Chimica Acta</i> , 2000, 299, 253-261.	1.2	98
6	Speciation of insulin-mimetic VO(IV)-containing drugs in blood serum. <i>Journal of Inorganic Biochemistry</i> , 2000, 80, 65-73.	1.5	96
7	New Developments in the Comprehension of the Biotransformation and Transport of Insulin-Enhancing Vanadium Compounds in the Blood Serum. <i>Inorganic Chemistry</i> , 2010, 49, 174-187.	1.9	95
8	Ternary complex formation between VO(IV)-picolinic acid or VO(IV)-6-methylpicolinic acid and small blood serum bioligands. <i>Journal of Inorganic Biochemistry</i> , 2000, 78, 97-108.	1.5	94
9	Speciation and NMR relaxation studies of VO(IV) complexes with several O-donor containing ligands: oxalate, malonate, maltolate and kojate. <i>Inorganica Chimica Acta</i> , 2000, 306, 174-183.	1.2	92
10	Ferromagnetic exchange coupling in a new bis(¼-chloro)-bridged copper(II) Schiff base complex: Synthesis, structure, magnetic properties and catalytic oxidation of cycloalkanes. <i>Polyhedron</i> , 2009, 28, 695-702.	1.0	90
11	Coordination modes of hydroxamic acids in copper(II), nickel(II) and zinc(II) mixed-ligand complexes in aqueous solution. <i>Polyhedron</i> , 2000, 19, 1727-1736.	1.0	86
12	Synthesis of Two New Linear Trinuclear Cu ^{II} Complexes: Mechanism of Magnetic Coupling through Hybrid B3LYP Functional and CSHM Studies. <i>Inorganic Chemistry</i> , 2008, 47, 6227-6235.	1.9	86
13	On the Transport of Vanadium in Blood Serum. <i>Inorganic Chemistry</i> , 2009, 48, 5747-5757.	1.9	86
14	Interaction of Insulin-Enhancing Vanadium Compounds with Human Serum holo-Transferrin. <i>Inorganic Chemistry</i> , 2013, 52, 11975-11985.	1.9	86
15	Interaction of Antidiabetic Vanadium Compounds with Hemoglobin and Red Blood Cells and Their Distribution between Plasma and Erythrocytes. <i>Inorganic Chemistry</i> , 2014, 53, 1449-1464.	1.9	86
16	A quantitative study of the biotransformation of insulin-enhancing VO ₂ ⁺ compounds. <i>Journal of Biological Inorganic Chemistry</i> , 2010, 15, 825-839.	1.1	80
17	Structural and redox requirements for the action of anti-diabetic vanadium compounds. <i>Dalton Transactions</i> , 2014, 43, 6965-6972.	1.6	78
18	Polyoxido vanadates' interactions with proteins: An overview. <i>Coordination Chemistry Reviews</i> , 2022, 454, 214344.	9.5	78

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19	Spectroscopic and Potentiometric Characterization of Oxovanadium(IV) Complexes Formed by 3-Hydroxy-4-Pyridinones. Rationalization of the Influence of Basicity and Electronic Structure of the Ligand on the Properties of VIVO Species in Aqueous Solution. <i>Inorganic Chemistry</i> , 2006, 45, 8086-8097.	1.9	73
20	The effect of the functional, basis set, and solvent in the simulation of the geometry and spectroscopic properties of $V^{IV}O_2^{2+}$ complexes. <i>chemical and biological applications. International Journal of Quantum Chemistry</i> , 2012, 112, 2486-2498.	1.0	73
21	Interaction between the low molecular mass components of blood serum and the VO^{IV} -DHP system (DHP = 1,2-dimethyl-3-hydroxy-4(1H)-pyridinone). <i>Dalton Transactions RSC</i> , 2002, , 2275-2282.	2.3	72
22	The Equilibrium Between the Octahedral and Square Pyramidal Form and the Influence of an Axial Ligand on the Molecular Properties of $V^{IV}O$ Complexes: A Spectroscopic and DFT Study. <i>Chemistry - A European Journal</i> , 2010, 16, 8167-8180.	1.7	72
23	Solution speciation and spectral studies on oxovanadium(IV) complexes of pyridinecarboxylic acids. <i>Polyhedron</i> , 2000, 19, 55-61.	1.0	71
24	Complex Formation in Aqueous Solution and in the Solid State of the Potent Insulin-Enhancing $V^{IV}O_2^{2+}$ Compounds Formed by Picolinate and Quinolate Derivatives. <i>Inorganic Chemistry</i> , 2011, 50, 883-899.	1.9	71
25	On the prediction of ^{51}V hyperfine coupling constants in VIVO complexes through DFT methods. <i>Dalton Transactions</i> , 2009, , 1914.	1.6	70
26	Is the spin-orbit coupling important in the prediction of the ^{51}V hyperfine coupling constants of $V^{IV}O_2^{2+}$ species? ORCA versus Gaussian performance and biological applications. <i>Journal of Computational Chemistry</i> , 2011, 32, 2822-2835.	1.5	70
27	Electronic Structure of Oxovanadium(IV) Complexes of α -Hydroxycarboxylic Acids. <i>Inorganic Chemistry</i> , 2003, 42, 3981-3987.	1.9	69
28	Interaction of VO_2^+ Ion and Some Insulin-Enhancing Compounds with Immunoglobulin G. <i>Inorganic Chemistry</i> , 2011, 50, 3717-3728.	1.9	68
29	Antitumoral effect of vanadium compounds in malignant melanoma cell lines. <i>Journal of Inorganic Biochemistry</i> , 2017, 174, 14-24.	1.5	66
30	Speciation in human blood of Metvan, a vanadium based potential anti-tumor drug. <i>Dalton Transactions</i> , 2017, 46, 8950-8967.	1.6	66
31	Transport of the anti-diabetic VO_2^+ complexes formed by pyrone derivatives in the blood serum. <i>Journal of Inorganic Biochemistry</i> , 2012, 115, 87-99.	1.5	65
32	Chemistry of Monomeric and Dinuclear Non-Oxido Vanadium(IV) and Oxidovanadium(V) Aroylazine Complexes: Exploring Solution Behavior. <i>Inorganic Chemistry</i> , 2016, 55, 1165-1182.	1.9	62
33	Assessing the Dependence of ^{51}V ρ_A Value on the Aromatic Ring Orientation of $V^{IV}O_2^{2+}$ Pyridine Complexes. <i>Inorganic Chemistry</i> , 2009, 48, 5790-5796.	1.9	60
34	Biotransformation of BMOV in the presence of blood serum proteins. <i>Metallomics</i> , 2012, 4, 33-36.	1.0	60
35	Sterically-controlled nuclearity in new copper(II) complexes with di-compartmental ligands: Formation of antiferromagnetically coupled angular trimer and mononuclear inclusion complex. <i>Inorganica Chimica Acta</i> , 2010, 363, 1395-1403.	1.2	59
36	Temperature and solvent structure dependence of VO_2^+ complexes of pyridine-N-oxide derivatives and their interaction with human serum transferrin. <i>Dalton Transactions</i> , 2012, 41, 7304.	1.6	56

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37	Ferromagnetic Coupling in a New Copper(II) Schiff Base Complex with Cubane Core: Structure, Magnetic Properties, DFT Study and Catalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4385-4395.	1.0	55
38	VIVO and Cull complexation by ligands based on pyridine nitrogen donors. <i>Dalton Transactions</i> , 2012, 41, 12824.	1.6	55
39	Coordinating Properties of Pyrone and Pyridinone Derivatives, Tropolone and Catechol toward the VO ²⁺ Ion: An Experimental and Computational Approach. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1079-1092.	1.0	55
40	Prediction of the interaction of metallic moieties with proteins: An update for protein–ligand docking techniques. <i>Journal of Computational Chemistry</i> , 2018, 39, 42-51.	1.5	54
41	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. <i>Dalton Transactions</i> . 2008. . 4903.	1.6	53
42	Vanadium Complexes as Prospective Therapeutics: Structural Characterization of a V ^{IV} Lysozyme Adduct. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3293-3297.	1.0	53
43	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. <i>Inorganic Chemistry</i> , 2013, 52, 8202-8213.	1.9	52
44	Monomeric and Dimeric Oxidomolybdenum(V and VI) Complexes, Cytotoxicity, and DNA Interaction Studies: Molybdenum Assisted C–N Bond Cleavage of Salophen Ligands. <i>Inorganic Chemistry</i> , 2017, 56, 11190-11210.	1.9	52
45	The Effect of Trigonal Bipyramidal Distortion of Pentacoordinate V ^{IV} O ²⁺ Species on their Structural, Electronic and Spectroscopic Parameters. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3768-3780.	1.0	51
46	The solution structure of bis(acetylacetonato)oxovanadium(IV). <i>Inorganica Chimica Acta</i> , 2006, 359, 4470-4476.	1.2	50
47	A new linear double phenoxide-bridged trinuclear Cu(II) Schiff base complex: Synthesis, crystallographic elucidation, magneto-structural correlation and DFT Study. <i>Polyhedron</i> , 2014, 69, 262-269.	1.0	49
48	Two New Supramolecular Architectures of Singly Phenoxo-Bridged Copper(II) and Doubly Phenoxo-Bridged Manganese(II) Complexes Derived from an Unusual ONOO Donor Hydrazone Ligand: Syntheses, Structural Variations, Cryomagnetic, DFT, and EPR Studies. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2915-2928.	1.0	48
49	VO ²⁺ Complexation by Bioligands Showing Keto–Enol Tautomerism: A Potentiometric, Spectroscopic, and Computational Study. <i>Inorganic Chemistry</i> , 2011, 50, 10328-10341.	1.9	48
50	Complex Formation of Vanadium(IV) with 1,3,5-Triamino-1,3,5-trideoxy-cis-inositol and Related Ligands. <i>Inorganic Chemistry</i> , 2004, 43, 3116-3126.	1.9	46
51	End-to-end thiocyanato-bridged zig-zag polymers of Cull, Coll and Nill with a hydrazone ligand: EPR, magnetic susceptibility and biological study. <i>Polyhedron</i> , 2012, 44, 77-87.	1.0	46
52	New V ^{IV} , V ^{IV} O, V ^V O, and V ^V O ₂ Systems: Exploring their Interconversion in Solution, Protein Interactions, and Cytotoxicity. <i>Inorganic Chemistry</i> , 2020, 59, 14042-14057.	1.9	46
53	Application of DFT Methods in the Study of VIVO ²⁺ -Peptide Interactions. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4697-4710.	1.0	43
54	Behavior of the potential antitumor VIVO complexes formed by flavonoid ligands. 1. Coordination modes and geometry in solution and at the physiological pH. <i>Journal of Inorganic Biochemistry</i> , 2014, 140, 173-184.	1.5	42

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55	Application of DFT methods to the study of the coordination environment of the VO ₂ ⁺ ion in VApoteins. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 773-790.	1.1	41
56	Antiproliferative activity of vanadium compounds: effects on the major malignant melanoma molecular pathways. <i>Metallomics</i> , 2019, 11, 1687-1699.	1.0	41
57	Synthesis, structure and characterization of new dithiocarbazate-based mixed ligand oxovanadium(V) complexes: DNA/HSA interaction, cytotoxic activity and DFT studies. <i>New Journal of Chemistry</i> , 2020, 44, 10946-10963.	1.4	41
58	Binding of Oxovanadium(IV) to Dipeptides Containing Histidine and Cysteine Residues. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1369-1382.	1.0	40
59	Magneto-structural correlations and DFT calculations in two rare tetranuclear copper(II)-clusters with doubly phenoxo and end-on azido bridges: Syntheses, structural variations and EPR studies. <i>Inorganica Chimica Acta</i> , 2010, 363, 3580-3588.	1.2	40
60	V ^{IV} O Versus V ^{IV} Complex Formation by Tridentate (O, N _{arom} , O) Ligands: Prediction of Geometry, EPR ⁵¹ V Hyperfine Coupling Constants, and UV-Vis Spectra. <i>Inorganic Chemistry</i> , 2013, 52, 5260-5272.	1.9	40
61	Elucidation of Binding Site and Chiral Specificity of Oxidovanadium Drugs with Lysozyme through Theoretical Calculations. <i>Inorganic Chemistry</i> , 2017, 56, 12938-12951.	1.9	40
62	Binding of vanadium ions and complexes to proteins and enzymes in aqueous solution. <i>Coordination Chemistry Reviews</i> , 2021, 449, 214192.	9.5	40
63	Aminoacid-derivatised picolinato-oxidovanadium(IV) complexes: Characterisation, speciation and ex vivo insulin-mimetic potential. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 590-600.	1.5	38
64	Synthesis, structural aspects and magnetic properties of an unusual 2D thiocyanato-bridged cobalt(II)-Schiff base network. <i>Inorganica Chimica Acta</i> , 2010, 363, 3981-3986.	1.2	38
65	Uptake of potential anti-diabetic VIVO compounds of picolinate ligands by red blood cells. <i>Inorganica Chimica Acta</i> , 2014, 420, 75-84.	1.2	38
66	Synthesis, characterisation and insulin-mimetic activity of oxovanadium(IV) complexes with amidrazone derivatives. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 19-29.	1.5	37
67	Bis- and tris(pyridyl)amine-oxidovanadium complexes: Characteristics and insulin-mimetic potential. <i>Dalton Transactions</i> , 2009, , 7902.	1.6	37
68	Nonoxido Vanadium(IV) Compounds Involving Dithiocarbazate-Based Tridentate ONS Ligands: Synthesis, Electronic and Molecular Structure, Spectroscopic and Redox Properties. <i>Inorganic Chemistry</i> , 2015, 54, 6203-6215.	1.9	37
69	Speciation of potential anti-diabetic vanadium complexes in real serum samples. <i>Journal of Inorganic Biochemistry</i> , 2017, 173, 52-65.	1.5	37
70	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. <i>Inorganic Chemistry</i> , 2014, 53, 7960-7976.	1.9	36
71	V ^{IV} O complexes with antibacterial quinolone ligands and their interaction with serum proteins. <i>Dalton Transactions</i> , 2018, 47, 2164-2182.	1.6	36
72	Binding of VIVO ₂ ⁺ to the Fe binding sites of human serum transferrin. A theoretical study. <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 803-813.	1.1	35

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73	Nonoxido V ^{IV} Complexes: Prediction of the EPR Spectrum and Electronic Structure of Simple Coordination Compounds and Amavadin. <i>Inorganic Chemistry</i> , 2016, 55, 7373-7387.	1.9	35
74	Role of Ligands in the Uptake and Reduction of V(V) Complexes in Red Blood Cells. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 654-664.	2.9	35
75	Validation and Applications of Protein-Ligand Docking Approaches Improved for Metalloligands with Multiple Vacant Sites. <i>Inorganic Chemistry</i> , 2019, 58, 294-306.	1.9	35
76	DFT Protocol for EPR Prediction of Paramagnetic Cu(II) Complexes and Application to Protein Binding Sites. <i>Magnetochemistry</i> , 2018, 4, 55.	1.0	30
77	Rationalizing the Decavanadate(V) and Oxidovanadium(IV) Binding to G-Actin and the Competition with Decaniobate(V) and ATP. <i>Inorganic Chemistry</i> , 2021, 60, 334-344.	1.9	29
78	Speciation of the Potential Antitumor Agent Vanadocene Dichloride in the Blood Plasma and Model Systems. <i>Inorganic Chemistry</i> , 2015, 54, 8237-8250.	1.9	28
79	Decoding Surface Interaction of V ^{IV} O Metallodrug Candidates with Lysozyme. <i>Inorganic Chemistry</i> , 2018, 57, 4456-4469.	1.9	28
80	Interaction of Vanadium(IV) Species with Ubiquitin: A Combined Instrumental and Computational Approach. <i>Inorganic Chemistry</i> , 2019, 58, 8064-8078.	1.9	28
81	ESI-MS Study of the Interaction of Potential Oxidovanadium(IV) Drugs and Amavadin with Model Proteins. <i>Inorganic Chemistry</i> , 2020, 59, 9739-9755.	1.9	28
82	?-Mimosine, an amino acid with maltol-type binding properties toward copper(II), oxovanadium(IV) and other metal ions. <i>Journal of Inorganic Biochemistry</i> , 1999, 75, 225-232.	1.5	27
83	Synthesis and Characterization of Vanadium(IV) Complexes with cis-Inositol in Aqueous Solution and in the Solid-State. <i>Inorganic Chemistry</i> , 2007, 46, 3903-3915.	1.9	27
84	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. <i>Journal of Inorganic Biochemistry</i> , 2015, 153, 167-177.	1.5	27
85	Chemistry of mixed-ligand oxidovanadium(IV) complexes of aroylhydrazones incorporating quinoline derivatives: Study of solution behavior, theoretical evaluation and protein/DNA interaction. <i>Journal of Inorganic Biochemistry</i> , 2019, 199, 110786.	1.5	27
86	Quantitative prediction of electronic absorption spectra of copper(II)-bioligand systems: Validation and applications. <i>Journal of Inorganic Biochemistry</i> , 2020, 204, 110953.	1.5	27
87	Molecular structure and spectral properties of bis(2,6-dimethoxybenzoato)(2,2,6,2-tetraaza-3-terpyridine)manganese(II): a five-coordinate Mn(II) complex. <i>New Journal of Chemistry</i> , 2000, 24, 725-728.	1.4	26
88	Monomeric versus dimeric structures in ternary complexes of manganese(II) with derivatives of benzoic acid and nitrogenous bases: structural details and spectral properties. <i>Inorganica Chimica Acta</i> , 2004, 357, 2038-2048.	1.2	26
89	Cobalt(II), Manganese(IV) Mononuclear and Zinc(II) Symmetric Dinuclear Complexes of an Aliphatic Hydrazone Schiff Base Ligand with Diversity in Coordination Behaviors and Supramolecular Architectures: Syntheses, Structural Elucidations, and Spectroscopic Characterizations. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 764-777.	2.0	26
90	Physicochemical, antioxidant, DNA cleaving properties and antimicrobial activity of fisetin-copper chelates. <i>Journal of Inorganic Biochemistry</i> , 2018, 180, 101-118.	1.5	25

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91	Design of nalidixic acid-vanadium complex loaded into chitosan hybrid nanoparticles as smart strategy to inhibit bacterial growth and quorum sensing. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 1568-1580.	3.6	25
92	Copper(ii) complexes of rat amylin fragments. <i>Dalton Transactions</i> , 2011, 40, 9711.	1.6	24
93	Integrated ESI-MS/EPR/computational characterization of the binding of metal species to proteins: vanadium drug-myoglobin application. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1561-1578.	3.0	24
94	Integrated experimental/computational approaches to characterize the systems formed by vanadium with proteins and enzymes. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1951-1974.	3.0	24
95	Naringenin Schiff base: antioxidant activity, acid-base profile, and interactions with DNA. <i>Transition Metal Chemistry</i> , 2016, 41, 179-189.	0.7	23
96	Unveiling V ^{IV} Binding Modes to Human Serum Albumins by an Integrated Spectroscopic-Computational Approach. <i>Chemistry - A European Journal</i> , 2020, 26, 11316-11326.	1.7	23
97	Oxovanadium(IV) complexes of quinoline derivatives. <i>Inorganica Chimica Acta</i> , 2003, 348, 97-106.	1.2	22
98	End Thiocyanato-Bridged Helical Chain Polymer and Dichlorido-Bridged Copper(II) Complexes with a Hydrazone Ligand: Synthesis, Characterisation by Electron Paramagnetic Resonance and Variable-Temperature Magnetic Studies, and Inhibitory Effects on Human Colorectal Carcinoma Cells. <i>ChemistryOpen</i> , 2012, 1, 80-89.	0.9	22
99	Formation in aqueous solution of a non-oxido V ^{IV} complex with VN6 coordination. Potentiometric, ESI-MS, spectroscopic and computational characterization. <i>Dalton Transactions</i> , 2013, 42, 13404.	1.6	22
100	A Ni ^{II} dinuclear complex bridged by end-on azide-N and phenolate-O atoms: spectral interpretation, magnetism and biological study. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 749-762.	3.0	22
101	Triply phenoxo bridged Eu ^{III} and Sm ^{III} complexes with 2,6-diformyl-4-methylphenol-di(benzoylhydrazone): structure, spectra and biological study in human cell lines. <i>New Journal of Chemistry</i> , 2015, 39, 1101-1114.	1.4	22
102	Effect of secondary interactions, steric hindrance and electric charge on the interaction of V ^{IV} species with proteins. <i>New Journal of Chemistry</i> , 2019, 43, 17647-17660.	1.4	22
103	Oxovanadium (IV) complexes of phosphates of biological relevance: NAD, NADP and thiamine mono- and diphosphate. <i>Journal of Inorganic Biochemistry</i> , 1999, 75, 303-309.	1.5	21
104	Tuning the Hydrolytic Properties of Half-Sandwich Type Organometallic Cations in Aqueous Solution. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3090-3100.	1.0	21
105	Doubly phenoxo-bridged M ^{II} -Na (M=Cu(II), Ni(II)) complexes of tetradentate Schiff base: Structure, photoluminescence, EPR, electrochemical studies and DFT computation. <i>Polyhedron</i> , 2014, 78, 62-71.	1.0	21
106	Chelating ability and biological activity of hesperetin Schiff base. <i>Journal of Inorganic Biochemistry</i> , 2015, 143, 34-47.	1.5	21
107	Behavior of the potential antitumor VIVO complexes formed by flavonoid ligands. 3. Antioxidant properties and radical production capability. <i>Journal of Inorganic Biochemistry</i> , 2016, 161, 18-26.	1.5	21
108	Synthesis, structure and biological evaluation of mixed ligand oxidovanadium(^{iv}) complexes incorporating 2-(aryloxy)phenolates. <i>New Journal of Chemistry</i> , 2019, 43, 17711-17725.	1.4	21

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109	Coordination ability and biological activity of a naringenin thiosemicarbazone. <i>Journal of Inorganic Biochemistry</i> , 2016, 165, 36-48.	1.5	20
110	Simple Coordination Geometry Descriptors Allow to Accurately Predict Metal-Binding Sites in Proteins. <i>ACS Omega</i> , 2019, 4, 3726-3731.	1.6	20
111	Through-space Spin Coupling in a Silver(II) Porphyrin Dimer upon Stepwise Oxidations: Ag II \rightarrow Ag II ⁺ , Ag II ⁺ \rightarrow Ag III, and Ag III \rightarrow Ag III Metallophilic Interactions. <i>Chemistry - A European Journal</i> , 2019, 25, 10098-10110.	1.7	19
112	Oxovanadium(IV) binding to ligands containing donor sites of biological relevance. <i>Inorganica Chimica Acta</i> , 2001, 322, 87-98.	1.2	18
113	Oxovanadium(IV) Complexes with Pyrazinecarboxylic Acids: The Coordinating Properties of Ligands with the (Naromatic, COO ⁻) Donor Set. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 2690-2700.	1.0	18
114	A hexanuclear copper(II) Schiff base complex incorporating rare μ_6 -capped cubane core: Structural aspects, magnetic properties and EPR study. <i>Polyhedron</i> , 2013, 52, 963-969.	1.0	18
115	Structural Variation and Magneto-Structural Correlation in Two New Dinuclear Bis(μ_2 -Phenoxo)-Bridged CuII Schiff-Base Complexes: Catalytic Potential for the Peroxidative Oxidation of Cycloalkanes. <i>Australian Journal of Chemistry</i> , 2010, 63, 479.	0.5	17
116	The binding modes of V ^{IV} O ²⁺ ions in blood proteins and enzymes. <i>Chemical Communications</i> , 2020, 56, 12218-12221.	2.2	17
117	Covalent and non-covalent binding in vanadium ^{IV} protein adducts. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1189-1196.	3.0	17
118	A Novel $\mu_1,1$ -Azido-, μ_2 -Alkoxo-, and μ_2 -Phenoxo-Bridged Tetranuclear Copper(II) Complex with a Quinquedentate Schiff-Base Ligand: Magneto-Structural and DFT Studies. <i>Australian Journal of Chemistry</i> , 2009, 62, 366.	0.5	16
119	Accurate prediction of vertical electronic transitions of Ni(II) coordination compounds via time dependent density functional theory. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25655.	1.0	16
120	Reversible Switching of Electronic Ground State in a Pentacoordinated Cu(II) 1D Cationic Polymer and Structural Diversity. <i>Inorganic Chemistry</i> , 2014, 53, 6665-6674.	1.9	15
121	EPR and electrochemical interpretation of bispyrazolylacetate anchored Ni(μ_2) and Mn(μ_2) complexes: cytotoxicity and anti-proliferative activity towards human cancer cell lines. <i>New Journal of Chemistry</i> , 2018, 42, 9126-9139.	1.4	15
122	Stepwise Oxidations in a Cofacial Copper(II) Porphyrin Dimer: Through-space Spin Coupling and Interplay between Metal and Radical Spins. <i>Chemistry - A European Journal</i> , 2020, 26, 7869-7880.	1.7	15
123	Copper(II) complexes of imidazolinone herbicides. <i>Inorganica Chimica Acta</i> , 1997, 255, 215-220.	1.2	14
124	A novel mixed valent CuII ² framework made of a hydrazone and μ_4 -SCN bridged metallacyclic loops cross-linked by μ_3 -SCN chains. <i>Dalton Transactions</i> , 2012, 41, 11565.	1.6	14
125	The effect of non-coordinating side chains on the metal binding affinities of peptides of histidine. <i>Polyhedron</i> , 2013, 62, 7-17.	1.0	14
126	Switching and redox isomerism in first-row transition metal complexes containing redox active Schiff base ligands. <i>Dalton Transactions</i> , 2014, 43, 15958-15967.	1.6	14

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127	A mixed valent heterometallic Cu ^{II} /Na ^I coordination polymer with sodium-phenyl bonds. Dalton Transactions, 2014, 43, 5558-5563.	1.6	14
128	Characterization and biotransformation in the plasma and red blood cells of VIVO ²⁺ complexes formed by ceftriaxone. Journal of Inorganic Biochemistry, 2015, 147, 71-84.	1.5	14
129	Double azido/cyanato bridged copper(II) dimers incorporating tridentate nitrogen donors Schiff base: Structure, EPR and magnetic studies. Polyhedron, 2015, 102, 137-146.	1.0	14
130	A 2-D coordination polymer incorporating cobalt(II), 2-sulfoterephthalate and the flexible bridging ligand 1,3-di(4-pyridyl)propane. Inorganic Chemistry Frontiers, 2015, 2, 157-163.	3.0	14
131	EPR interpretation, magnetism and biological study of a Cu(II) dinuclear complex assisted by a schiff base precursor. Journal of Biological Inorganic Chemistry, 2017, 22, 481-495.	1.1	14
132	<i>para</i> -Aminosalicylic acid in the treatment of manganese toxicity. Complexation of Mn ²⁺ with 4-amino-2-hydroxybenzoic acid and its <i>N</i> -acetylated metabolite. New Journal of Chemistry, 2018, 42, 8035-8049.	1.4	14
133	Metal complexes of Imazapyr, a herbicide provided with efficient metal-chelating ability: crystal structure of the cobalt (III) and manganese (II) complexes. Inorganica Chimica Acta, 1998, 272, 68-73.	1.2	13
134	Effects of side chain amino nitrogen donor atoms on metal complexation of aminohydroxamic acids: New diaminohydroxamates chelating Ni(II) more strongly than Fe(III). Dalton Transactions RSC, 2002, , 2632.	2.3	13
135	Vanadium(IV,V) complexes of d-saccharic and mucic acids in aqueous solution. Dalton Transactions, 2004, , 1882-1891.	1.6	13
136	Determination of the hyperfine coupling constant and zero-field splitting in the ESR spectrum of Mn ²⁺ in calcite. Magnetic Resonance in Chemistry, 2006, 44, 11-19.	1.1	13
137	Reversible switching of the electronic ground state in a pentacoordinated Cu(II) complex. Chemical Communications, 2013, 49, 7806.	2.2	13
138	An enolato-bridged dinuclear Cu(II) complex with a coumarin-assisted precursor: a spectral, magnetic and biological study. New Journal of Chemistry, 2015, 39, 7309-7321.	1.4	13
139	EPR interpretation and electrocatalytic H ₂ evolution study of bis(3,5-di-methylpyrazol-1-yl)acetate anchored Cu(II) and Mn(II) complexes. Molecular Catalysis, 2017, 439, 81-90.	1.0	13
140	Potentiometric and spectroscopic studies on copper(II) complexes of non-proteinogenic histidine analogues. Polyhedron, 2005, 24, 799-806.	1.0	12
141	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.	1.0	12
142	Phenoxy bridged tetranuclear copper(II) and dinuclear zinc(II) complexes of 2,6-diformyl-4-methylphenol-di(benzoylhydrazone): Synthesis, structure, spectra and magnetism. Inorganica Chimica Acta, 2014, 413, 194-202.	1.2	12
143	Biorelevant reactions of the potential anti-tumor agent vanadocene dichloride. Metallomics, 2016, 8, 532-541.	1.0	12
144	Pharmacologically Active Vanadium Species: Distribution in Biological Media and Interaction with Molecular Targets. Current Medicinal Chemistry, 2021, 28, 7339-7384.	1.2	12

#	ARTICLE	IF	CITATIONS
145	Spectroscopic/Computational Characterization and the X-ray Structure of the Adduct of the V^{IV} -Picolinato Complex with RNase A. <i>Inorganic Chemistry</i> , 2021, 60, 19098-19109.	1.9	12
146	Mo(VI) Potential Metallodrugs: Explaining the Transport and Cytotoxicity by Chemical Transformations. <i>Inorganic Chemistry</i> , 2022, 61, 4513-4532.	1.9	12
147	Solution chemical properties and anticancer potential of 8-hydroxyquinoline hydrazones and their oxidovanadium(IV) complexes. <i>Journal of Inorganic Biochemistry</i> , 2022, 235, 111932.	1.5	12
148	Effect of temperature and ligand protonation on the electronic ground state in Cu^{II} polymers having unusual secondary interactions: a magnetic and catechol oxidase study. <i>Dalton Transactions</i> , 2018, 47, 16102-16118.	1.6	11
149	Synthesis, structure, physicochemical characterization and theoretical evaluation of non-covalent interaction energy of a polymeric copper(II)-hydrazone complex. <i>Inorganica Chimica Acta</i> , 2019, 484, 95-103.	1.2	11
150	Biospeciation of Potential Vanadium Drugs of Acetylacetonate in the Presence of Proteins. <i>Frontiers in Chemistry</i> , 2020, 8, 345.	1.8	11
151	Doubly end-on azido bridged mixed-valence cobalt trinuclear complex: Spectral study, VTM, inhibitory effect and antimycobacterial activity on human carcinoma and tuberculosis cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 148, 427-434.	2.0	10
152	Chelating properties of EDTA-type ligands containing six-membered backbone ring toward copper ion: Structure, EPR and TD-DFT evaluation. <i>Polyhedron</i> , 2017, 124, 215-228.	1.0	10
153	A new Ni(II) coordination polymer formed by bulky bis(imidazole) and 4,4'-oxybis(benzoic acid): Topological and spectral elucidation. <i>Inorganica Chimica Acta</i> , 2018, 469, 478-483.	1.2	10
154	Computational insight into the interaction of oxaliplatin with insulin. <i>Metallomics</i> , 2019, 11, 765-773.	1.0	10
155	Binding of $V^{IV}O_2$, $V^{IV}OL$, $V^{IV}OL_2$ and $V^{IV}O_2L$ Moieties to Proteins: X-ray/Theoretical Characterization and Biological Implications. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	10
156	New mixed ligand oxidovanadium(IV) complexes: Solution behavior, protein interaction and cytotoxicity. <i>Journal of Inorganic Biochemistry</i> , 2022, 233, 111853.	1.5	10
157	A rare doubly nitrate and phenoxido bridged trimetallic Cu^{II} complex: EPR, antiferromagnetic coupling and theoretical rationalization. <i>RSC Advances</i> , 2016, 6, 54856-54865.	1.7	9
158	Synthesis, crystal structures, EPR and DFT studies of first row transition metal complexes of lignin model compound ethylvanillin. <i>Polyhedron</i> , 2017, 121, 107-114.	1.0	9
159	$V^{IV}O$ and V^{IV} Species Formed in Aqueous Solution by the Tridentate Glutarimide-Dioxime Ligand: An Instrumental and Computational Characterization. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1805-1816.	1.0	9
160	Complex formation between $[(\text{-}6\text{-p-cym})Ru(H_2O)_3]^{2+}$ and oligopeptides containing three histidyl moieties. <i>Journal of Organometallic Chemistry</i> , 2016, 823, 116-125.	0.8	8
161	Complexation of Copper(II) Ion with Tetraglycine as Followed by Electronic Absorption Spectroscopy. A Bioinorganic Chemistry Experiment. <i>Journal of Chemical Education</i> , 2007, 84, 832.	1.1	7
162	Hydroxo-bridged 1-D coordination polymer of Cu(II) incorporating with salicyladimine precursor: Spectral and temperature dependent magneto structural correlation. <i>Inorganic Chemistry Communication</i> , 2012, 24, 216-220.	1.8	7

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163	Structural elucidation, EPR and photoluminescent property of a Ce(III) two dimensional coordination polymer with 4,4'-bipyridine and 2-sulfoterephthalate. <i>Journal of Molecular Structure</i> , 2017, 1139, 390-394.	1.8	7
164	Chemistry of oxidomolybdenum(IV) and -(VI) complexes with ONS donor ligands: Synthesis, computational evaluation and oxo-transfer reactions. <i>Polyhedron</i> , 2018, 141, 322-336.	1.0	7
165	Structural elucidation, EPR and magnetic property of a Co(III) complex salt incorporating 4,4'-bipyridine and 5-sulfoisophthalate. <i>Journal of Molecular Structure</i> , 2018, 1151, 198-203.	1.8	7
166	Distinguishing Calcium Carbonate from Calcium Sulfate Dihydrate by Instrumental Methods. A Set of Laboratory Experiments for Analytical Chemistry and Spectroscopy. <i>Journal of Chemical Education</i> , 2001, 78, 1090.	1.1	6
167	Structural elucidation, EPR and magnetic interpretation of lanthanide (Ln = La, Nd, Sm) compounds with 4,4'-bipyridine and 2-sulfoterephthalate. <i>Inorganica Chimica Acta</i> , 2016, 453, 128-134.	1.2	6
168	A zig-zag end-to-end azido bridged Mn(III) 1-D coordination polymer: Spectral elucidation, magnetism, redox study and biological activity. <i>Polyhedron</i> , 2017, 127, 315-322.	1.0	6
169	Tridentate (O,N,O) ligands as potential chelator compounds for iron overload. <i>Polyhedron</i> , 2017, 123, 192-205.	1.0	6
170	A trigonal prismatic anionic iron(III) complex of a radical o-aminobenzosemiquinonate derivative: structural and spectral analyses. <i>New Journal of Chemistry</i> , 2017, 41, 7283-7291.	1.4	6
171	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> , 2017, 171, 18-28.	1.5	6
172	Spectral, electrochemical and DFT studies of a trimetallic Cu(II) Derivative: Antimycobacterial and cytotoxic activity. <i>Inorganica Chimica Acta</i> , 2019, 490, 155-162.	1.2	6
173	EPR, DFT and electrochemical interpretation of a Cu(II) derivative incorporating a Schiff base precursor. <i>Polyhedron</i> , 2019, 159, 323-329.	1.0	6
174	Highly Oxidized Cobalt Porphyrin Dimer: Control of Spin Coupling via a Bridge. <i>Inorganic Chemistry</i> , 2022, 61, 8419-8430.	1.9	6
175	V ^{IV} O Complexes of Bis(imidazolyl) Derivatives: A Potentiometric, Spectroscopic and DFT Study. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4884-4896.	1.0	5
176	Equilibrium between Different Coordination Geometries in Oxidovanadium(IV) Complexes. <i>Journal of Chemical Education</i> , 2015, 92, 1098-1102.	1.1	5
177	A New Cu ^{II} Coordination Polymer: Structural Elucidation, EPR and Sensing Studies for Detection of Volatile Organic Solvents. <i>ChemistrySelect</i> , 2016, 1, 2192-2198.	0.7	5
178	Synthesis of Nitric Oxide Donors Derived from Piloty's Acid and Study of Their Effects on Dopamine Secretion from PC12 Cells. <i>Pharmaceuticals</i> , 2017, 10, 74.	1.7	5
179	Co-ordination ability of Cu ²⁺ ion toward the nucleobase-amino acid willardiine. <i>Talanta</i> , 1998, 47, 343-348.	2.9	4
180	Hydrolytic and Dinuclear Species Formed by Copper(II) with Di-, Tri- and Tetra-peptides Containing Proline in the Second Position. <i>Journal of Chemical Research Synopses</i> , 1999, , 240-241.	0.3	4

#	ARTICLE	IF	CITATIONS
181	A rare cobalt(III) paramagnetic derivative incorporating 1-alkyl-2-[(o-thioalkyl)phenylazo]imidazole (SMeaiNEt): EPR, redox and magnetic interpretation. <i>Inorganica Chimica Acta</i> , 2017, 462, 75-81.	1.2	4
182	Speciation in aqueous solution and interaction with low and high molecular mass blood bioligands of [V ^{IV} O(oda)(H ₂ O) ₂], a V compound with in vitro anticancer activity. <i>Inorganica Chimica Acta</i> , 2018, 472, 127-138.	1.2	4
183	A Ni(II) derivative incorporating tetradentate Schiff base precursor: Structure, spectral, electrochemical and DFT interpretation. <i>Journal of Molecular Structure</i> , 2018, 1173, 462-468.	1.8	4
184	A Trimetallic Cu(II) Derivative as an Efficient and Stable Electrocatalyst for Reduction of Proton to Molecular Hydrogen. <i>Catalysis Letters</i> , 2020, 150, 2200-2207.	1.4	4
185	Interaction of the potent antitumoral compounds Casiopeinas [®] with blood serum and cellular bioligands. <i>Journal of Inorganic Biochemistry</i> , 2021, 224, 111566.	1.5	4
186	Thermodynamic Study of Oxidovanadium(IV) with Kojic Acid Derivatives: A Multi-Technique Approach. <i>Pharmaceuticals</i> , 2021, 14, 1037.	1.7	4
187	Interaction of pharmacologically active pyrone and pyridinone vanadium(IV,V) complexes with cytochrome c. <i>Journal of Inorganic Biochemistry</i> , 2022, 234, 111876.	1.5	4
188	An end-to-end dicyanamide-bridged 1-D polymer of Cu with a hydrazone ligand: EPR and variable temperature magnetic susceptibility. <i>Journal of Chemical Research</i> , 2012, 36, 722-725.	0.6	3
189	Magneto-structural and theoretical study of the weak interactions in a Mn(II) complex with a very unusual N,O-chelating coordination mode of 2-aminoterephthalate. <i>Inorganica Chimica Acta</i> , 2017, 461, 183-191.	1.2	3
190	Synthesis, structural and DFT interpretation of a Schiff base assisted Mn(III) derivative. <i>Journal of Molecular Structure</i> , 2020, 1199, 126985.	1.8	3
191	Influence of temperature on the equilibria of oxidovanadium(iv) complexes in solution. <i>Dalton Transactions</i> , 2021, 50, 16326-16335.	1.6	3
192	Ferromagnetic Coupling in Oxidovanadium(IV)â€“Porphyrin Radical Dimers. <i>Inorganic Chemistry</i> , 2021, 60, 16492-16506.	1.9	3
193	Introducing the penicillamine moiety into a metalloprotein mimicking the NiSOD enzyme: electronic and kinetic effects. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 310-322.	3.0	3
194	Long-Range Intramolecular Spin Coupling through a Redox-Active Bridge upon Stepwise Oxidations: Control and Effect of Metal Ions. <i>Inorganic Chemistry</i> , 2022, 61, 5270-5282.	1.9	3
195	Ternary interaction between copper(II), imidazolinone herbicides and glycyglycine. <i>Journal of Chemical Research</i> , 2001, 2001, 408-409.	0.6	2
196	A new Cu(II) three-dimensional network with 4,4-oxo-bis benzoic acid: structural diversity, EPR, and magnetism. <i>Structural Chemistry</i> , 2018, 29, 553-561.	1.0	2
197	A New phenoxido/trifluoroacetato bridged heterometallic NiII ₂ CuII derivative: Structure, EPR interpretation and DFT computation. <i>Journal of Molecular Structure</i> , 2019, 1175, 948-955.	1.8	2
198	Potentiometric, Spectroscopic and DFT Study of the V ^{IV} O Complexes Formed by Di(pyridinâ€“2-yl) Ligands. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2363-2374.	1.0	1

#	ARTICLE	IF	CITATIONS
199	Bulky bis(imidazole) and 2-sulfoterephthalate Assisted 3-D Cu(II) and 2-D Mn(II) Coordination Polymers: Topology, Diversity in Metal Containing Nodes and Spectral Elucidation. <i>ChemistrySelect</i> , 2016, 1, 6230-6237.	0.7	1
200	Electrocatalytic H ₂ Evolution of Bis(3,5-di-methylpyrazol-1-yl)acetate Anchored Hexa-coordinated Co(II) Derivative. <i>Catalysis Letters</i> , 2018, 148, 2703-2708.	1.4	1
201	Interaction of V(V) complexes formed by picolinic and pyrazinecarboxylic acid derivatives with red blood cells. <i>Polyhedron</i> , 2021, 212, 115590.	1.0	1
202	From the Physicochemical Characteristic of Novel Hesperetin Hydrazone to Its In Vitro Antimicrobial Aspects. <i>Molecules</i> , 2022, 27, 845.	1.7	1
203	A Multi-Technique Investigation of the Complex Formation Equilibria between Bis-Deferiprone Derivatives and Oxidovanadium (IV). <i>Molecules</i> , 2022, 27, 1555.	1.7	1
204	5,5- α^2 -Dibenzoimidazole as building block for a new 3D Co(II) coordination polymer: A combined EPR and DFT study using UB3LYP model. <i>Polyhedron</i> , 2019, 171, 473-479.	1.0	0
205	Through-space Spin Coupling in a Silver(II) Porphyrin Dimer upon Stepwise Oxidations: Ag II \rightarrow Ag II, Ag II \rightarrow Ag III, and Ag III \rightarrow Ag III Metallophilic Interactions. <i>Chemistry - A European Journal</i> , 2019, 25, 10025-10025.	1.7	0
206	Hydrolytic and Dinuclear Species Formed by Copper(II) with Di-, Tri- and Tetra-peptides Containing Proline in the Second Position. <i>Journal of Chemical Research</i> , 1999, 23, 240-241.	0.6	0