

Ademir Neves

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5608634/ademir-neves-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

178
papers

5,458
citations

41
h-index

65
g-index

189
ext. papers

5,815
ext. citations

3.9
avg, IF

5.04
L-index

#	Paper	IF	Citations
178	The catalytic mechanisms of binuclear metallohydrolases. <i>Chemical Reviews</i> , 2006 , 106, 3338-63	68.1	357
177	Catecholase activity of a series of dicopper(II) complexes with variable Cu-OH(phenol) moieties. <i>Inorganic Chemistry</i> , 2002 , 41, 1788-94	5.1	248
176	Catalytic promiscuity in biomimetic systems: catecholase-like activity, phosphatase-like activity, and hydrolytic DNA cleavage promoted by a new dicopper(II) hydroxo-bridged complex. <i>Inorganic Chemistry</i> , 2007 , 46, 348-50	5.1	161
175	Kinetics and equilibrium adsorption of Cu(II), Cd(II), and Ni(II) ions by chitosan functionalized with 2[-bis-(pyridylmethyl)aminomethyl]-4-methyl-6-formylphenol. <i>Journal of Colloid and Interface Science</i> , 2005 , 291, 369-74	9.3	141
174	Two new ternary complexes of copper(II) with tetracycline or doxycycline and 1,10-phenanthroline and their potential as antitumoral: cytotoxicity and DNA cleavage. <i>Inorganic Chemistry</i> , 2011 , 50, 6414-24	5.1	134
173	A new dinuclear unsymmetric copper(II) complex as model for the active site of catechol oxidase. <i>Inorganica Chimica Acta</i> , 2001 , 320, 12-21	2.7	123
172	An unprecedented Fe(III)(μ -OH)Zn(II) complex that mimics the structural and functional properties of purple acid phosphatases. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7486-7	16.4	110
171	Phosphate diester hydrolysis and DNA damage promoted by new cis-aqua/hydroxy copper(II) complexes containing tridentate imidazole-rich ligands. <i>Inorganic Chemistry</i> , 2003 , 42, 8353-65	5.1	97
170	New Fe(III)Zn(II) complex containing a single terminal Fe-O(phenolate) bond as a structural and functional model for the active site of red kidney bean purple acid phosphatase. <i>Inorganic Chemistry</i> , 2002 , 41, 5641-3	5.1	97
169	Phosphate Ester Hydrolysis: Metal Complexes As Purple Acid Phosphatase and Phosphotriesterase Analogues. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 2745-2758	2.3	93
168	Synthesis, structure, properties, and phosphatase-like activity of the first heterodinuclear Fe(III)Mn(II) complex with the unsymmetric ligand H(2)BPBPMP as a model for the PAP in sweet potato. <i>Inorganic Chemistry</i> , 2002 , 41, 4624-6	5.1	89
167	Synthesis, magnetostructural correlation, and catalytic promiscuity of unsymmetric dinuclear copper(II) complexes: models for catechol oxidases and hydrolases. <i>Inorganic Chemistry</i> , 2012 , 51, 1569-89	5.1	88
166	Fe(III)Fe(III) and Fe(II)Fe(III) Complexes as Synthetic Analogues for the Oxidized and Reduced Forms of Purple Acid Phosphatases. <i>Inorganic Chemistry</i> , 1996 , 35, 2360-2368	5.1	88
165	Synthesis, crystal structure, electrochemical, and spectroelectrochemical properties of the new manganese(III) complex [MnIII(BBPEN)][PF ₆] [H ₂ BBPEN = N,NPbis(2-hydroxybenzyl)-N,NPbis(2-methylpyridyl)ethylenediamine]. <i>Inorganic Chemistry</i> , 1992 , 31, 4749-4755	5.1	87
164	Chitosan crosslinked with a metal complexing agent: Synthesis, characterization and copper(II) ions adsorption. <i>Reactive and Functional Polymers</i> , 2008 , 68, 572-579	4.6	77
163	PEI-coated gold nanoparticles decorated with laccase: a new platform for direct electrochemistry of enzymes and biosensing applications. <i>Biosensors and Bioelectronics</i> , 2013 , 42, 242-7	11.8	76
162	Hydrolytic DNA cleavage promoted by a dinuclear iron(III) complex. <i>Inorganic Chemistry Communication</i> , 2001 , 4, 388-391	3.1	74

161	Electron-transfer barriers in cobalt(III) and cobalt(II) bis complexes of 1,4,7-triazacyclononane (tacn) and 1,4,7-trithiacyclononane (ttcn). Crystal structures of [CoII(tacn) ₂] ₂ ·12H ₂ O and of [CoIII(ttcn) ₂](ClO ₄) ₃ . <i>Inorganic Chemistry</i> , 1986 , 25, 2400-2408	5.1	73
160	Electronic structure and spectro-structural correlations of Fe(III)Zn(II) biomimetics for purple acid phosphatases: relevance to DNA cleavage and cytotoxic activity. <i>Inorganic Chemistry</i> , 2010 , 49, 11421-38 ^{5.1}	5.1	69
159	Hydrolytic activity of a dinuclear copper(II,II) complex in phosphate diester and DNA cleavage. <i>Inorganica Chimica Acta</i> , 2002 , 337, 366-370	2.7	69
158	A new heterobinuclear FeIII CuII complex with a single terminal FeIII-O(phenolate) bond. Relevance to purple acid phosphatases and nucleases. <i>Journal of Biological Inorganic Chemistry</i> , 2005 , 10, 319-32	3.7	69
157	A new asymmetric N5O2-donor binucleating ligand and its first FeII FeIII complex as a model for the redox properties of uteroferrin. <i>Inorganica Chimica Acta</i> , 1995 , 237, 131-135	2.7	69
156	Hydrolytic protein cleavage mediated by unusual mononuclear copper(II) complexes: X-ray structures and solution studies. <i>Inorganic Chemistry</i> , 2005 , 44, 921-9	5.1	63
155	Chitosan functionalized with 2[-bis-(pyridylmethyl) aminomethyl]4-methyl-6-formyl-phenol: equilibrium and kinetics of copper (II) adsorption. <i>Polymer</i> , 2004 , 45, 6285-6290	3.9	63
154	Synthesis, structure and properties of unsymmetrical alkoxo-dicopper(II) complexes: biological relevance to phosphodiester and DNA cleavage and cytotoxic activity. <i>Inorganica Chimica Acta</i> , 2005 , 358, 1807-1822	2.7	62
153	Highly efficient phosphate diester hydrolysis and DNA interaction by a new unsymmetrical FeII NiII model complex. <i>Inorganic Chemistry Communication</i> , 2003 , 6, 1161-1165	3.1	60
152	The reaction mechanism of the Ga(III)Zn(II) derivative of uteroferrin and corresponding biomimetics. <i>Journal of Biological Inorganic Chemistry</i> , 2007 , 12, 1207-20	3.7	52
151	Correlation between DNA interactions and cytotoxic activity of four new ternary compounds of copper(II) with N-donor heterocyclic ligands. <i>Journal of Inorganic Biochemistry</i> , 2014 , 132, 67-76	4.2	51
150	Unsymmetrical Fe(III)Co(II) and Ga(III)Co(II) complexes as chemical hydrolases: biomimetic models for purple acid phosphatases (PAPs). <i>Inorganic Chemistry</i> , 2009 , 48, 7905-21	5.1	50
149	Synthesis, crystal structure and properties of dinuclear iron(III) complexes containing terminally coordinated phenolate/H ₂ O/OH ⁻ groups as models for purple acid phosphatases: efficient hydrolytic DNA cleavage. <i>Inorganica Chimica Acta</i> , 2005 , 358, 339-351	2.7	50
148	Biomimetic sensor based on a novel copper complex for the determination of hydroquinone in cosmetics. <i>Sensors and Actuators B: Chemical</i> , 2007 , 122, 89-94	8.5	49
147	Probing the role of the divalent metal ion in uteroferrin using metal ion replacement and a comparison to isostructural biomimetics. <i>Journal of Biological Inorganic Chemistry</i> , 2008 , 13, 139-55	3.7	49
146	Study of the antimicrobial activity of metal complexes and their ligands through bioassays applied to plant extracts. <i>Revista Brasileira De Farmacognosia</i> , 2014 , 24, 309-315	2	48
145	Synthesis, structure and catalase-like activity of a new dinuclear mixed valence MnII MnIII complex containing an unsymmetric N5O2 donor ligand. <i>Inorganic Chemistry Communication</i> , 2002 , 5, 434-438	3.1	47
144	A synthetic dinuclear copper(II) hydrolase and its potential as antitumoral: cytotoxicity, cellular uptake, and DNA cleavage. <i>Journal of Inorganic Biochemistry</i> , 2009 , 103, 1323-30	4.2	46

- 143 Synthesis, structure, and physicochemical properties of dinuclear Ni(II) complexes as highly efficient functional models of phosphohydrolases. *Inorganic Chemistry*, **2008**, 47, 1107-19 5.1 46
- 142 Synthesis, X-ray structure and antimycobacterial activity of silver complexes with alpha-hydroxycarboxylic acids. *Journal of Inorganic Biochemistry*, **2007**, 101, 291-6 4.2 46
- 141 New unsymmetric dinuclear Cu(II)Cu(II) complexes and their relevance to copper(II) containing metalloenzymes and DNA cleavage. *Journal of Inorganic Biochemistry*, **2006**, 100, 992-1004 4.2 46
- 140 Heterodinuclear Fe(III)Zn(II)-bioinspired complex supported on 3-aminopropyl silica. Efficient hydrolysis of phosphate diester bonds. *Inorganic Chemistry*, **2010**, 49, 2580-2 5.1 45
- 139 Photoinduced DNA cleavage promoted by two copper(II) complexes of tetracyclines and 1,10-phenanthroline. *Inorganic Chemistry*, **2011**, 50, 10519-21 5.1 42
- 138 Synthesis, Structure, Physicochemical Properties and Catecholase-like Activity of a New Dicopper(II) Complex. *Journal of the Brazilian Chemical Society*, **2001**, 12, 747 1.5 41
- 137 Development of a biomimetic chitosan film-coated gold electrode for determination of dopamine in the presence of ascorbic acid and uric acid. *Electrochimica Acta*, **2010**, 55, 7152-7157 6.7 40
- 136 Synthesis, magnetism and crystal structure of $[V_2O_2(OH)_2(tpen)]_2 \cdot 4H_2O$; a binuclear complex containing the syn- $\{VO(OH)_2VO\}^{2+}$ core (tpen = tetrakis(2-pyridylmethyl)ethylenediamine). *Inorganica Chimica Acta*, **1988**, 150, 183-187 2.7 40
- 135 Synthesis, characterization, hydrolase and catecholase activity of a dinuclear iron(III) complex: Catalytic promiscuity. *Journal of Inorganic Biochemistry*, **2015**, 146, 77-88 4.2 38
- 134 Synthesis of substituted dipyrido[3,2-a:2',3'-c]phenazines and a new heterocyclic dipyrido[3,2-f:2',3'-h]quinoxalino[2,3-b]quinoxaline. *Tetrahedron*, **2008**, 64, 5410-5415 2.4 38
- 133 Synthesis, crystal structure and luminescent properties of new tris-β-diketonate Eu(III) complex with thiadiazolophenanthroline derivative ligand. *Inorganic Chemistry Communication*, **2008**, 11, 1292-1296 2.1 37
- 132 Electronic effects of electron-donating and -withdrawing groups in model complexes for iron-tyrosine-containing metalloenzymes. *Inorganic Chemistry*, **2006**, 45, 1005-11 5.1 37
- 131 Nucleic acid cleavage by a Cu(II) polyaza macrocyclic complex. *Polyhedron*, **2005**, 24, 495-499 2.7 36
- 130 A new nitrosyl ruthenium complex: synthesis, chemical characterization, in vitro and in vivo antitumor activities and probable mechanism of action. *European Journal of Medicinal Chemistry*, **2011**, 46, 3616-22 6.8 35
- 129 A new Fe(III)(OAc)2(OAc)Fe(III) complex containing phenolate and imidazole ligands as a structural model for the active site of non-heme diiron enzymes. *Dalton Transactions RSC*, **2001**, 2616-2623 35
- 128 Crystal structure, spectral and magnetic properties of a new (β-acetate) (β-alkoxide) dicopper (II) complex as a model for tyrosinase. *Inorganica Chimica Acta*, **1998**, 281, 111-115 2.7 34
- 127 Copper(II) complexes with (2-hydroxybenzyl-2-pyridylmethyl)amine (Hbpa): syntheses, characterization and crystal structures of the ligand and $[Cu(II)(Hbpa)_2](ClO_4)_2 \cdot 2H_2O$. *Inorganica Chimica Acta*, **1999**, 290, 207-212 2.7 34
- 126 Synthesis, crystal structure and properties of a new binuclear iron(III) complex as a model for the purple acid phosphatases. *Inorganica Chimica Acta*, **1993**, 214, 5-8 2.7 34

125	Magneto-structural correlation for binuclear octahedral vanadium(IV) μ -oxo complexes. Synthesis, structure and magnetic properties of a VIVO ₂ ⁺ complex with a new ligand derived from glycine. <i>Dalton Transactions RSC</i> , 2000 , 1573-1577		32
124	Synthesis, structure and properties of the first dinuclear copper(II) complex as a structural model for the phenolic intermediate in tyrosinase \rightarrow resolase activity. <i>Inorganic Chemistry Communication</i> , 1999 , 2, 334-337	3.1	32
123	Spectroscopic and catalytic characterization of a functional Fe(III)Fe(II) biomimetic for the active site of uteroferrin and protein cleavage. <i>Inorganic Chemistry</i> , 2012 , 51, 2065-78	5.1	31
122	Efficient phosphodiester hydrolysis by luminescent terbium(III) and europium(III) complexes. <i>Inorganic Chemistry</i> , 2010 , 49, 6013-25	5.1	30
121	Self-assembled monolayer of nickel(II) complex and thiol on gold electrode for the determination of catechin. <i>Talanta</i> , 2009 , 78, 1063-8	6.2	29
120	Determination of chlorogenic acid in coffee using a biomimetic sensor based on a new tetranuclear copper(II) complex. <i>Talanta</i> , 2008 , 77, 394-9	6.2	29
119	Theoretical investigation of the reaction mechanism for the phosphate diester hydrolysis using an asymmetric dinuclear metal complex as a biomimetic model of the purple acid phosphatase enzyme. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 7039-46	3.6	29
118	A new N,O-donor binucleating ligand and its first iron(III) complex as a model for the purple acid phosphatases. <i>Inorganica Chimica Acta</i> , 1992 , 197, 121-124	2.7	29
117	A new bis(μ -alkoxo) diiron(III) complex and its implications regarding the number of Fe(III) \rightarrow phenolate bonds and the redox potential in uteroferrin. <i>Dalton Transactions RSC</i> , 2000 , 707-712		28
116	A structural model for oxidized type II copper nitrite reductase with a polyimidazole tripodal ligand. <i>Polyhedron</i> , 2004 , 23, 511-518	2.7	27
115	DNA photonuclease activity of four new copper(II) complexes under UV and red light: theoretical/experimental correlations with active species generation. <i>Dalton Transactions</i> , 2010 , 39, 2027-35	4.3	26
114	Mononuclear Cu(II)-phenolate bioinspired complex is catalytically promiscuous: phosphodiester and peptide amide bond cleavage. <i>Inorganic Chemistry</i> , 2009 , 48, 2711-3	5.1	26
113	Synthesis, characterization and structure of a new zinc(II) complex containing the hexadentate N,N',N,N'-bis[(2-hydroxy-3,5-di-tert-butylbenzyl)(2-pyridylmethyl)]-ethylenediamine ligand: Generation of phenoxyl radical species. <i>Inorganica Chimica Acta</i> , 2005 , 358, 3106-3114	2.7	26
112	Second-coordination-sphere effects increase the catalytic efficiency of an extended model for Fe(III)M(II) purple acid phosphatases. <i>Inorganic Chemistry</i> , 2013 , 52, 3594-6	5.1	25
111	Synthesis, characterization and crystal structure of a new unsymmetric tetranuclear copper-carbonate complex: reversible CO ₂ fixation. <i>Inorganic Chemistry Communication</i> , 2001 , 4, 354-357	3.1	25
110	Synthesis, structure and electrochemical characterization of a new non-oxo vanadium(IV) complex. <i>Journal of the Chemical Society Chemical Communications</i> , 1992 , 652		25
109	Kinetics and mechanism of the outer-sphere electron-transfer-induced formation of cis-dioxovanadium(V) species from vanadyl(IV) complexes. Crystal structures of [VO(TCDA)]. \cdot H ₂ O and [VO ₂ (TCDAH)]. \cdot 2H ₂ O (TCDA = 1,4,7-triazacyclononane-N,NPdiacetate). <i>Inorganic Chemistry</i> , 1988 , 27, 2484-2489	5.1	25
108	Biomimetic sensor based on Mn(III)Mn(II) complex as manganese peroxidase mimetic for determination of rutin. <i>Talanta</i> , 2009 , 78, 221-6	6.2	24

107	First-transition-metal complexes containing the ligands 6-amino-6-methylperhydro-1,4-diazepine (AAZ) and a new functionalized derivative: can AAZ act as a mimetic ligand for 1,4,7-triazacyclononane?. <i>Inorganic Chemistry</i> , 2005 , 44, 7690-2	5.1	23
106	Synthesis and Characterization of Modified Chitosan Through Immobilization of Complexing Agents. <i>Macromolecular Symposia</i> , 2005 , 229, 203-207	0.8	23
105	Photoactive meso-tetra(4-pyridyl)porphyrin-tetrakis-[chloro(2,2'-bipyridine)platinum(ii) derivatives recognize and cleave DNA upon irradiation. <i>Dalton Transactions</i> , 2017 , 46, 1660-1669	4.3	22
104	New La(III) complex immobilized on 3-aminopropyl-functionalized silica as an efficient and reusable catalyst for hydrolysis of phosphate ester bonds. <i>Inorganic Chemistry</i> , 2014 , 53, 2943-52	5.1	22
103	Rosmarinic acid determination using biomimetic sensor based on purple acid phosphatase mimetic. <i>Analytica Chimica Acta</i> , 2008 , 613, 91-7	6.6	22
102	Catalytic effect of a dinuclear complex in the hydrolysis of bis(2,4-dinitrophenyl) phosphate. <i>Inorganica Chimica Acta</i> , 2005 , 358, 2089-2092	2.7	22
101	Synthesis, photophysical properties and spectroelectrochemical characterization of 10-(4-methyl-bipyridyl)-5,15-(pentafluorophenyl)corrole. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 332, 306-315	4.7	21
100	Doubly phenoxo-hydroxo-bridged dicopper(II) complexes: individual contributions of the bridges to antiferromagnetic coupling based on two related biomimetic models for catechol oxidases. <i>Dalton Transactions</i> , 2012 , 41, 7196-200	4.3	21
99	Oxygen-independent photonuclease activity of a new iron(II) complex. <i>Chemical Communications</i> , 2010 , 46, 3375-7	5.8	21
98	New mononuclear CuII and ZnII complexes capable of stabilizing phenoxyl radicals as models for the active form of galactose oxidase. <i>Inorganic Chemistry Communication</i> , 2005 , 8, 249-253	3.1	21
97	A new unsymmetrical dinucleating ligand and its first FeIII ZnII complex: Structure and solid state properties of an unexpected tetranuclear complex containing the [FeIII(OH)2FeIII] structural motif. <i>Inorganic Chemistry Communication</i> , 2005 , 8, 323-327	3.1	21
96	Searching for Vanadium-Based Prospective Agents against Trypanosoma cruzi: Oxidovanadium(IV) Compounds with Phenanthroline Derivatives as Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 1417-1425	1.3	20
95	bis-(1H-Benzimidazol-2-yl)-methanone: New preparation method, crystal structure, vibrational spectroscopy and DFT calculations. <i>Journal of Molecular Structure</i> , 2009 , 938, 1-9	3.4	20
94	Determination of catechin in green tea using a catechol oxidase biomimetic sensor. <i>Journal of the Brazilian Chemical Society</i> , 2008 , 19, 1215-1223	1.5	20
93	Development of a new biomimetic sensor based on an FeIII/FeII complex for the determination of phenolic compounds. <i>Sensors and Actuators B: Chemical</i> , 2008 , 129, 424-430	8.5	20
92	A new dinucleating N,O donor ligand (H2BPCINOL) and the structural and magnetic properties of two diiron complexes with the di- μ -alkoxo motif. <i>Journal of the Brazilian Chemical Society</i> , 2000 , 11, 7-10	1.5	20
91	Second-Sphere Effects in Dinuclear FeZn Hydrolase Biomimetics: Tuning Binding and Reactivity Properties. <i>Inorganic Chemistry</i> , 2018 , 57, 187-203	5.1	20
90	Electrochemical Investigation of Transition Metal Complexes of the Ligand Tetrakis(2-Pyridylmethyl)-Ethylenediamine (Tpen). Crystal Structure of [Ni(tpen)](ClO4)2·3H2O. <i>Journal of Coordination Chemistry</i> , 1992 , 26, 269-283	1.6	19

89	Synthesis, structure, magnetism, and hydrolase and catecholase activity of a new trinuclear copper(II) complex. <i>Inorganica Chimica Acta</i> , 2015 , 435, 153-158	2.7	18
88	New mononuclear copper(II) complex based on a salen derivative ligand with an unusual coordination and its catecholase activity. <i>Inorganic Chemistry Communication</i> , 2013 , 37, 34-38	3.1	18
87	Synthesis and characterization of Fe(EOH)Zn complexes: effects of a second coordination sphere and increase in the chelate ring size on the hydrolysis of a phosphate diester and DNA. <i>Dalton Transactions</i> , 2017 , 46, 11380-11394	4.3	18
86	Design of a dinuclear nickel(II) bioinspired hydrolase to bind covalently to silica surfaces: synthesis, magnetism, and reactivity studies. <i>Inorganic Chemistry</i> , 2012 , 51, 6104-15	5.1	18
85	Sensor for fisetin based on gold nanoparticles in ionic liquid and binuclear nickel complex immobilized in silica. <i>Analyst, The</i> , 2010 , 135, 1015-22	5	18
84	In vitro and in vivo activity of a new unsymmetrical dinuclear copper complex containing a derivative ligand of 1,4,7-triazacyclononane: catalytic promiscuity of [Cu ₂ (L)Cl ₃]. <i>Dalton Transactions</i> , 2013 , 42, 7059-73	4.3	16
83	Synthesis, structure, and phosphatase-like activity of a new trinuclear Gd complex with the unsymmetrical ligand H3L as a model for nucleases. <i>Inorganic Chemistry</i> , 2010 , 49, 3057-63	5.1	16
82	Catecholase and DNase activities of copper(II) complexes containing phenolate-type ligands. <i>Journal of Physical Organic Chemistry</i> , 2010 , 23, 1000-1013	2.1	16
81	Catalytic promiscuity: catecholase-like activity and hydrolytic DNA cleavage promoted by a mixed-valence Fe ^{III} Fe ^{II} complex. <i>Journal of the Brazilian Chemical Society</i> , 2010 , 21, 1201-1212	1.5	15
80	New phenoxyl radical complexes of manganese, gallium, indium and iron based on an H ₂ bbpen ligand derivative. <i>Journal of the Brazilian Chemical Society</i> , 2006 , 17, 1540-1550	1.5	15
79	Synthesis, structure and properties of a new vanadyl-phenolate derivative as a model for the vanadium(IV) transferrins. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 1782-1784		15
78	A new N,O-donor hexadentate ligand and its first vanadium(III) complex. <i>Inorganica Chimica Acta</i> , 1991 , 187, 119-121	2.7	15
77	Synthesis, structure and properties of a new unsymmetric tetranuclear mixed-valence vanadium(IV/V) complex containing distinct V ₂ O ₃ ³⁺ cores. <i>Inorganic Chemistry Communication</i> , 2002 , 5, 418-421	3.1	14
76	Crystal structure and magnetic properties of a new tetranuclear iron (III) complex with asymmetric iron coordination as a model for polynuclear iron proteins. <i>Inorganic Chemistry Communication</i> , 2001 , 4, 173-176	3.1	14
75	The effect of chain size on the modeling of second sphere effects in biomimetic complexes. <i>Journal of Molecular Catalysis A</i> , 2015 , 397, 76-84		13
74	Synthesis, spectroscopic/electrochemical characterization and DNA interaction study of novel ferrocenyl-substituted porphyrins. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4318	3.1	13
73	New gadolinium complex with efficient hydrolase-like activity: a 100-million-fold rate enhancement in diester hydrolysis. <i>Inorganic Chemistry</i> , 2008 , 47, 2919-21	5.1	13
72	Crystal Structure, Spectroscopy and Magnetic Properties of a Novel Fe ^{III} Unsymmetric Tetranuclear Complex: A Model for met-Hemerythrin. <i>Chemistry Letters</i> , 2000 , 29, 540-541	1.7	13

71	New dioxidouranium (VI) and mixed-valence oxidovanadium (IV/V) coordination compounds with N,O-pentadentate ligands obtained from pyridoxal and triethylenetetramine. <i>Inorganica Chimica Acta</i> , 2015 , 428, 163-169	2.7	12
70	Pyridoxal derivatized copper(II) complexes: Evaluation of antioxidant, catecholase, and DNA cleavage activity. <i>Inorganica Chimica Acta</i> , 2018 , 469, 561-575	2.7	12
69	meso-Mono-[4-(1,4,7-triazacyclononanyl)]-tri(phenyl)porphyrin and the respective zinc(ii)-complex: complete characterization and biomolecules binding abilities. <i>Photochemical and Photobiological Sciences</i> , 2016 , 15, 564-79	4.2	12
68	Bioinspired FeIII CdII and FeIII HgII complexes: synthesis, characterization and promiscuous catalytic activity evaluation. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 1740-52	4.2	12
67	Resonance Raman and crystallographic studies on the complex [Fe2(bbpno)2]·2DMF (bbpno=N,N'-bis(2-hydroxybenzyl)-2-ol-1,3-propanediamine). <i>Inorganica Chimica Acta</i> , 2002 , 329, 141-146	2.7	12
66	Copper(II) complexes with {N,N',N,N'-bis[(2-hydroxybenzyl)(2-pyridylmethyl)]-1,3-propanediamine}·2bbppn: their suitability as models for the inactive form of galactose oxidase. <i>Inorganica Chimica Acta</i> , 2003 , 356, 41-50	2.7	12
65	Dopamine polymerization promoted by a catecholase biomimetic Cu(EOH)Cu complex containing a triazine-based ligand. <i>Dalton Transactions</i> , 2016 , 45, 15294-15297	4.3	12
64	Synthesis, characterization and biological evaluation of new manganese metal carbonyl compounds that contain sulfur and selenium ligands as a promising new class of CORMs. <i>Dalton Transactions</i> , 2019 , 48, 5574-5584	4.3	11
63	A bio-inspired sensor based on surfactant film and Pd nanoparticles. <i>Analyst, The</i> , 2013 , 138, 509-17	5	11
62	NMR and semi-empirical study of the tautomerism of 2,2'-bisbenzimidazolyl. <i>Journal of Physical Organic Chemistry</i> , 1998 , 11, 411-418	2.1	11
61	Synthesis, X-ray crystal structure and properties of a novel tetranuclear unsymmetrical (EO4) copper(II) complex: relevance to SO2 fixation. <i>Inorganica Chimica Acta</i> , 2005 , 358, 997-1004	2.7	11
60	Synthesis, characterization and thermal properties of palladium(II) complexes containing phenyltetrazole. Crystal structure of trans-[C40H64N8 O2PdCl2]. <i>Journal of the Brazilian Chemical Society</i> , 2000 , 11, 274-280	1.5	11
59	Intramolecular, base-induced formation of a metal-metal bond in [L2MolI2(.mu.-OH)(.mu.-CH3CO2)2]3+ (L = 1,4,7-trimethyl-1,4,7-triazacyclononane). Crystal structures of [L2MolI2(.mu.-OH)(.mu.-CH3CO2)2](ClO4)3.cntdot.H2O and [L2MolI2(.mu.-O)(.mu.-CH3CO2)2](ClO4)(BF4).cntdot.H2O and of the mixed-valence complex [L2MolI2(.mu.-O)(.mu.-CH3CO2)2](ClO4)2.cntdot.H2O. <i>Inorganic Chemistry</i> , 1989 , 28, 437-440	5.1	11
58	A synthetic pathway for an unsymmetrical N(5)O(2) heptadentate ligand and its heterodinuclear iron(III)zinc(II) complex: a biomimetic model for the purple acid phosphatases. <i>Chemistry and Biodiversity</i> , 2012 , 9, 1794-805	2.5	10
57	Synthesis, molecular structure and spectroscopic, electrochemical and magnetic properties of a new dinuclear iron complex containing μ -sulfate-di- μ -alkoxo bridges: evaluating the influence of the sulfate bridge on the physicochemical properties of the di- μ -alkoxo-diiron unit. <i>Journal of the Brazilian Chemical Society</i> , 2006 , 17, 1584-1593	1.5	10
56	Protonation Equilibrium Studies of H2BBPEN, H2BBPPN and H2BBPBN. <i>Journal of the Brazilian Chemical Society</i> , 1996 , 7, 31-37	1.5	10
55	SOD activity of new copper II complexes with ligands derived from pyridoxal and toxicity in <i>Caenorhabditis elegans</i> . <i>Journal of Inorganic Biochemistry</i> , 2020 , 204, 110950	4.2	10
54	A comparison between the structures of [MnIII(bbpenn)][PF6] and [MnIII(bbppn)][PF6] (H2bbpen=N,N'-bis(2-hydroxybenzyl)-N,N'-(2-pyridylmethyl)ethylenediamine, H2bbppn=N,N'-bis(2-hydroxybenzyl)-N,N'-(2-pyridylmethyl)-1,3-propanediamine). <i>Inorganica Chimica Acta</i> , 1997 , 248, 77-80	2.7	9

53	Structural, spectroscopic and redox studies of a new ruthenium(III) complex with an imidazole-rich tripod ligand. <i>Inorganica Chimica Acta</i> , 2004 , 357, 707-715	2.7	9
52	EPR and semi-empirical studies as tools to assign the geometric structures of FeIII isomer models for transferrins. <i>Journal of the Brazilian Chemical Society</i> , 2006 , 17, 1617-1626	1.5	9
51	Guanidine- and purine-functionalized ligands of FeZn complexes: effects on the hydrolysis of DNA. <i>Journal of Biological Inorganic Chemistry</i> , 2019 , 24, 675-691	3.7	8
50	The synthesis and characterization of the novel Pseudo-Octahedral complex bis[(2-hydroxybenzyl) - (2-methylpyridyl)-amine] zinc(II), [ZnII(bpa)2].2H2O as a model for astacin. <i>Journal of the Brazilian Chemical Society</i> , 1997 , 8, 265-270	1.5	8
49	A new di-m-sulfate complex as a model of purple acid phosphatase-sulfate complexes. <i>Journal of the Brazilian Chemical Society</i> , 1997 , 8, 443-446	1.5	8
48	Synthesis, structure and molecular modeling of a ZnII-Phenolate complex as a model for ZnII-Containing tyrosinate metalloenzymes. <i>Journal of the Brazilian Chemical Society</i> , 2006 , 17, 289-295	1.5	8
47	Synthesis, crystal structure, electrochemical and spectroscopic properties of [Ru(BBPEN)][PF6]·H2O. Crystal structure of the H2BBPEN [H2BBPEN = N,N'-bis(2-hydroxybenzyl)-N,N'-bis(2-methylpyridyl)ethylenediamine]. <i>Polyhedron</i> , 1995 , 14, 1307-1314	2.7	8
46	Adiabatic intramolecular electron transfer in pyrazine-2,6-dicarboxylato-bridged complexes of cobalt(III)-ruthenium(II) and of cobalt(III)-iron(II): comparison of inner-sphere vs. outer-sphere activated complexes. <i>Inorganic Chemistry</i> , 1984 , 23, 3435-3443	5.1	8
45	Broken symmetry density functional study of biomimetic models for Purple Acid Phosphatases of the type Fe(III)âM(II) (M=Fe, Cu, Ni, Co and Mn). <i>Computational and Theoretical Chemistry</i> , 2012 , 979, 89-95		7
44	A new unsymmetrical N,O-donor hexadentate ligand. Synthesis, structure and properties of its first vanadyl(IV) complex. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998 , 617-622		7
43	Synthesis, structure and physicochemical properties of zinc and copper complexes based on sulfonamides containing 8-aminoquinoline ligands. <i>Quimica Nova</i> , 2008 , 31, 1161-1164	1.6	7
42	Bis[N-(2-pyridylmethyl)glycinato]zinc(II) dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003 , 59, m464-m466		7
41	PREPARATION OF AROMATIC ETHERS AND DIOXOLANES UNDER MICROWAVE IRRADIATION. <i>Synthetic Communications</i> , 2001 , 31, 3323-3328	1.7	7
40	Síntese e caracterizaõ de novos compostos de coordenaõ de cobre (II) com ligantes nã-simétricos N,O-doadores: contribuiões para o sítio ativo da galactose oxidase. <i>Quimica Nova</i> , 2001 , 24, 592-598	1.6	7
39	Base-Induced Intramolecular Formation of a Mo?Mo Bond in [L2MoEDH(ECH3CO2)2]3?(L = N,N',N'-Trimethyl-1,4,7-triazacyclononane). <i>Angewandte Chemie International Edition in English</i> , 1988 , 27, 685-687		7
38	Uso de equaões lineares na determinaõ dos parâmetros de Michaelis-Menten. <i>Quimica Nova</i> , 2010 , 33, 1607-1611	1.6	6
37	New VIVO2+ complexes containing biologically relevant ligands as synthetic models for the vanadium(IV) transferrins. <i>Inorganica Chimica Acta</i> , 2001 , 313, 137-148	2.7	6
36	SYNTHESIS, CHARACTERIZATION AND ELECTROCHEMICAL STUDIES ON IRON(II) COMPLEXES OF 2-(2-PYRIDYLETHYL) IMINO-3-BUTANONE OXIME (HDPE) AND 2-(2-PYRIDYLMETHYL) IMINO-3-BUTANONE OXIME (HDPM). <i>Journal of Coordination Chemistry</i> , 1996 , 38, 259-269	1.6	6

35	Intramolecular electron-transfer reactions in bridged polynuclear ruthenium(II)-cobalt(III) complexes containing a (μ -carboxylato)bis(μ -hydroxo)bis[(amine)cobalt(III)] and a pentaammineruthenium(II) structural unit. <i>Journal of the American Chemical Society</i> , 1984 , 106, 5532-5537	16.4	6
34	Targeting an Artificial Metal Nuclease to DNA by a Simple Chemical Modification and Its Drastic Effect on Catalysis. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 286-291	4.3	5
33	A promiscuous dicopper(II) system promoting the hydrolysis of bis(2,4-dinitrophenyl)phosphate: Gaining mechanistic insight by means of structural and spectroscopic DFT studies. <i>International Journal of Quantum Chemistry</i> , 2009 , 110, NA-NA	2.1	4
32	Broken symmetry density functional study of a mixed-valence unsymmetrical dinuclear iron complex. <i>International Journal of Quantum Chemistry</i> , 2010 , 110, 1048-1055	2.1	4
31	Resonance Raman spectroscopy of FeII FeIII and FeIII FeIII model complexes containing an unsymmetrical dinucleating ligand: a biomimetic redox pair for uteroferrin. <i>Journal of the Brazilian Chemical Society</i> , 2006 , 17, 1658-1663	1.5	4
30	Molecular modeling utilizing purple acid phosphatase biomimetic models. <i>Canadian Journal of Chemistry</i> , 2004 , 82, 1619-1624	0.9	4
29	[2-(Imidazol-4-yl)ethylamine]-([2-(imidazol-4-yl)ethyl][(1-methyl-imidazol-2-yl)methyl]amine)copper(II) diperchlorate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001 , 57, 356-8		4
28	Chitosan functionalized with heptadentate dinucleating ligand applied to removal of nickel, copper and zinc. <i>Carbohydrate Polymers</i> , 2021 , 256, 117589	10.3	4
27	Three new dinuclear nickel(II) complexes with amine pendant-armed ligands: Characterization, DFT study, antibacterial and hydrolase-like activity. <i>Inorganica Chimica Acta</i> , 2020 , 507, 119559	2.7	3
26	Synthesis, physicochemical properties and in vitro catalytic activity of a dinuclear nickel(II) complex with a N5O-hexadentate ligand: A functional model for phosphohydrolases. <i>Polyhedron</i> , 2016 , 109, 59-66	2.7	3
25	A mixed-valence diacetate-bridged Mn(II)-Mn(III) complex incorporating a bridging phenolate ligand. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006 , 62, m27-9		3
24	Structural, electrochemical and spectroscopic characterization of a new [Cu ₂ L ₂ (ECl) ₂] ₂ [CuCl ₄] ₂ dimer complex. <i>Journal of Molecular Structure</i> , 2004 , 694, 193-198	3.4	3
23	A New Biomimetic Model for the Active Site of Oxovanadium(IV)-Transferrins ? [OV IV(tf)]. <i>Journal of the Brazilian Chemical Society</i> , 1998 , 9, 427-429	1.5	3
22	A new heteropentamuclear complex containing the [Fe ₂ III Zn ₃ II(EOH) ₃] structural motif as a model for purple acid phosphatases. <i>Inorganica Chimica Acta</i> , 2020 , 502, 119280	2.7	3
21	Dinuclear copper(II) complexes with derivative triazine ligands as biomimetic models for catechol oxidases and nucleases. <i>Journal of Inorganic Biochemistry</i> , 2020 , 213, 111249	4.2	3
20	Copper (II) complexes derived from pyridoxal: Structural correlations, cytotoxic activities, and molecular docking. <i>Inorganica Chimica Acta</i> , 2021 , 526, 120530	2.7	3
19	Unusual hydrolase-like activity of a mononuclear Fe(III) complex. <i>Inorganic Chemistry Communication</i> , 2019 , 102, 245-250	3.1	2
18	Peroxidase activity of new mixed-valence cobalt complexes with ligands derived from pyridoxal. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4903	3.1	2

17	Synthesis, characterization and photoinduced CO-release by manganese(I) complexes. <i>New Journal of Chemistry</i> , 2020 , 44, 10892-10901	3.6	2
16	Light Response of Three Water-Soluble MnI PhotoCORMs: Spectroscopic Features and CO Release Investigation. <i>Journal of the Brazilian Chemical Society</i> , 2019 ,	1.5	2
15	trans-Bis(6-amino-6-methylperhydro-1,4-diazepine)zinc(II) bis(perchlorate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, m2965-m2966		2
14	Dioxygen dinuclear complex formation of Co(II) with the macrocyclic ligand 3,6,9,17,20,23-hexaazatricyclo[23.3.1.111,15]-triaconta-1(29),11(30),12,14,25,26,27-hexaene. <i>Inorganica Chimica Acta</i> , 2003 , 353, 82-88	2.7	2
13	trans-Diaqua-bis{1,3-bis-[5-(2-pyrid-yl)-2H-tetra-zol-2-yl]propane}zinc(II) bis-(perchlorate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, m541-2		2
12	Synthesis of a new phenolate-1-methylimidazole hexadentate ligand and the crystal structure of its first vanadyl complex. <i>Journal of the Brazilian Chemical Society</i> , 1997 , 8, 519-522	1.5	2
11	Synthesis and X-ray Crystal Structure of the [Ni(HDPE) ₂] [NO ₃] ₂ .2H ₂ O Complex. <i>Journal of the Brazilian Chemical Society</i> , 1991 , 2, 66-70	1.5	2
10	Cu(II) complexes with tridentate sulfur and selenium ligands: catecholase and hydrolysis activity. <i>New Journal of Chemistry</i> , 2020 , 44, 15698-15707	3.6	2
9	Effect of Chelate Ring Size of Binuclear Copper(II) Complexes on Catecholase Activity and DNA Cleavage. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 1710-1721	2.3	2
8	2-[[Bis(2-pyridylmethyl)amino]methyl]-6-[(2-hydroxyanilino)methyl]-4-methylphenol: a novel binucleating asymmetric ligand as a precursor to synthetic models for metalloenzymes. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2007 , 63, o84-6		1
7	Kinetics of the electron-transfer reactions of tetranuclear isomeric species of cobalt(III)-ammine complexes with hexaaquochromium(II) and hexaaquovanadium(II) ions. <i>Inorganica Chimica Acta</i> , 1989 , 160, 223-227	2.7	1
6	Trinuclear CuII complex containing a new pentadentate ligand: Structure, magnetism, physicochemical properties and catecholase activity. <i>Inorganica Chimica Acta</i> , 2022 , 533, 120804	2.7	1
5	New AlZn and AlCu dinuclear complexes: Phosphatase-like activity and cytotoxicity. <i>Journal of Inorganic Biochemistry</i> , 2021 , 219, 111392	4.2	0
4	Journal of Inorganic Biochemistry. Special section: special issue: containing contributions from the Second Latin American Meeting on Biological Inorganic Chemistry-LABIC 2010. Preface. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 1683	4.2	
3	Di-Ethlorido-bis-[chlorido(1,4,6-trimethyl-6-nitro-1,4-diazepine)copper(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, m144-5		
2	Copper(II) complexes derived from furfurylamine and thiophenyl ligands: cytotoxicity, antioxidant properties, and molecular docking assessments. <i>Polyhedron</i> , 2022 , 212, 115608	2.7	
1	A heterotrinnuclear bioinspired coordination complex capable of binding to DNA and emulation of nuclease activity. <i>Journal of Inorganic Biochemistry</i> , 2022 , 226, 111631	4.2	