

Ademir Neves

List of Publications by Year in descending order

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6,242
citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	The Catalytic Mechanisms of Binuclear Metallohydrolases. <i>Chemical Reviews</i> , 2006, 106, 3338-3363.	23.0	395
2	Catecholase Activity of a Series of Dicopper(II) Complexes with Variable Cu ^{II} OH(phenol) Moieties. <i>Inorganic Chemistry</i> , 2002, 41, 1788-1794.	1.9	268
3	Catalytic Promiscuity in Biomimetic Systems: A 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, 348-350.	1.9	174
4	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, 369-374.	5.0	154
5	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, 6414-6424.	1.9	154
6	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.	1.2	131
7	An Unprecedented Fe ^{III} (1/4-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, 7486-7487.	6.6	124
8	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, 8353-8365.	1.9	108
9	Synthesis, crystal structure, electrochemical, and spectroelectrochemical properties of the new manganese(III) complex [Mn ^{III} (BBPEN)][PF ₆] [H ₂ BBPEN = N,N'-bis(2-hydroxybenzyl)-N,N'-bis(2-methylpyridyl)ethylenediamine]. <i>Inorganic Chemistry</i> , 1992, 31, 4749-4755.	1.9	107
10	New Fe ^{III} Zn ^{II} Complex Containing a Single Terminal Fe ^{III} OphenolateBond as a Structural and Functional Model for the Active Site of Red Kidney Bean Purple Acid Phosphatase. <i>Inorganic Chemistry</i> , 2002, 41, 5641-5643.	1.9	105
11	Fe ^{III} Fe ^{III} and Fe ^{II} Fe ^{II} Complexes as Synthetic Analogues for the Oxidized and Reduced Forms of Purple Acid Phosphatases. <i>Inorganic Chemistry</i> , 1996, 35, 2360-2368.	1.9	104
12	Phosphate Ester Hydrolysis: Metal Complexes As Purple Acid Phosphatase and Phosphotriesterase Analogues. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2745-2758.	1.0	103
13	Synthesis, Magnetostructural Correlation, and Catalytic Promiscuity of Unsymmetric Dinuclear Copper(II) Complexes: Models for Catechol Oxidases and Hydrolases. <i>Inorganic Chemistry</i> , 2012, 51, 1569-1589.	1.9	103
14	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, 4624-4626.	1.9	99
15	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, 242-247.	5.3	90
16	Chitosan crosslinked with a metal complexing agent: Synthesis, characterization and copper(II) ions adsorption. <i>Reactive and Functional Polymers</i> , 2008, 68, 572-579.	2.0	89
17	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 [Co ^{II} (tacn) ₂] ₂ ·H ₂ O and of [Co ^{III} (ttcn) ₂](ClO ₄) ₃ . <i>Inorganic Chemistry</i> , 1986, 25, 2400-2408.	1.9	86
18	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, 11421-11438.	1.9	84

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19	Hydrolytic DNA cleavage promoted by a dinuclear iron(III) complex. <i>Inorganic Chemistry Communication</i> , 2001, 4, 388-391.	1.8	78
20	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.	1.2	76
21	Hydrolytic activity of a dinuclear copper(II,II) complex in phosphate diester and DNA cleavage. <i>Inorganica Chimica Acta</i> , 2002, 337, 366-370.	1.2	76
22	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, 319-332.	1.1	74
23	Synthesis, structure and properties of unsymmetrical 1/4-alkoxo-dicopper(II) complexes: biological relevance to phosphodiester and DNA cleavage and cytotoxic activity. <i>Inorganica Chimica Acta</i> , 2005, 358, 1807-1822.	1.2	69
24	Hydrolytic Protein Cleavage Mediated by Unusual Mononuclear Copper(II) Complexes: X-ray Structures and Solution Studies. <i>Inorganic Chemistry</i> , 2005, 44, 921-929.	1.9	68
25	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.	1.8	66
26	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.	0.6	66
27	Highly efficient phosphate diester hydrolysis and DNA interaction by a new unsymmetrical FeIII/NiII model complex. <i>Inorganic Chemistry Communication</i> , 2003, 6, 1161-1165.	1.8	64
28	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.	1.5	61
29	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> , 2007, 13, 139-155.	1.1	59
30	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.	4.0	58
31	The reaction mechanism of the Ga(III)Zn(II) derivative of uteroferrin and corresponding biomimetics. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 1207-1220.	1.1	57
32	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, 7905-7921.	1.9	57
33	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.	1.2	52
34	Synthesis, structure and catalase-like activity of a new dinuclear mixed valence MnIIMnIII complex containing an unsymmetric N5O2 donor ligand. <i>Inorganic Chemistry Communication</i> , 2002, 5, 434-438.	1.8	50
35	New unsymmetric dinuclear CuIICuII complexes and their relevance to copper(II) containing metalloenzymes and DNA cleavage. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 992-1004.	1.5	50
36	Synthesis, X-ray structure and antimycobacterial activity of silver complexes with \pm -hydroxycarboxylic acids. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 291-296.	1.5	49

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37	Synthesis, Structure, and Physicochemical Properties of Dinuclear Ni ^{II} Complexes as Highly Efficient Functional Models of Phosphohydrolases. <i>Inorganic Chemistry</i> , 2008, 47, 1107-1119.	1.9	49
38	Heterodinuclear Fe ^{III} Zn ^{II} -Bioinspired Complex Supported on 3-Aminopropyl Silica. Efficient Hydrolysis of Phosphate Diester Bonds. <i>Inorganic Chemistry</i> , 2010, 49, 2580-2582.	1.9	49
39	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, 1323-1330.	1.5	48
40	Synthesis, magnetism and crystal structure of [V ₂ O ₂ ($\frac{1}{4}$ -OH) ₂ (tpen)] ₂ ·4H ₂ O; a binuclear complex containing the syn-{VO($\frac{1}{4}$ -OH)VO} ₂ ⁺ core (tpen = tetrakis(2-pyridylmethyl)ethylenediamine). <i>Inorganica Chimica Acta</i> , 1988, 150, 183-187.	1.2	47
41	Photoinduced DNA Cleavage Promoted by Two Copper(II) Complexes of Tetracyclines and 1,10-Phenanthroline. <i>Inorganic Chemistry</i> , 2011, 50, 10519-10521.	1.9	47
42	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. <i>Tetrahedron</i> , 2008, 64, 5410-5415.	1.0	44
43	Synthesis, Structure, Physicochemical Properties and Catecholase-like Activity of a New Dicopper(II) Complex. <i>Journal of the Brazilian Chemical Society</i> , 2001, 12, 747.	0.6	43
44	Electronic Effects of Electron-Donating and -Withdrawing Groups in Model Complexes for Iron-Tyrosine-Containing Metalloenzymes. <i>Inorganic Chemistry</i> , 2006, 45, 1005-1011.	1.9	42
45	Synthesis, crystal structure and luminescent properties of new tris- β -diketonate Eu(III) complex with thiadiazolophenanthroline derivative ligand. <i>Inorganic Chemistry Communication</i> , 2008, 11, 1292-1296.	1.8	42
46	Development of a biomimetic chitosan film-coated gold electrode for determination of dopamine in the presence of ascorbic acid and uric acid. <i>Electrochimica Acta</i> , 2010, 55, 7152-7157.	2.6	42
47	Synthesis, crystal structure and properties of a new binuclear iron(III) complex as a model for the purple acid phosphatases. <i>Inorganica Chimica Acta</i> , 1993, 214, 5-8.	1.2	41
48	Crystal structure, spectral and magnetic properties of a new ($\frac{1}{4}$ -acetate) ($\frac{1}{4}$ -alkoxide) dicopper (II) complex as a model for tyrosinase. <i>Inorganica Chimica Acta</i> , 1998, 281, 111-115.	1.2	40
49	A new Fe ^{III} (μ -OCH ₃) ₂ (μ -OAc)Fe ^{III} complex containing phenolate and imidazole ligands as a structural model for the active site of non-heme diiron enzymes. <i>Dalton Transactions RSC</i> , 2001, , 2616-2623.	2.3	40
50	Self-assembled monolayer of nickel(II) complex and thiol on gold electrode for the determination of catechin. <i>Talanta</i> , 2009, 78, 1063-1068.	2.9	40
51	Synthesis, characterization, hydrolase and catecholase activity of a dinuclear iron(III) complex: Catalytic promiscuity. <i>Journal of Inorganic Biochemistry</i> , 2015, 146, 77-88.	1.5	40
52	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 ·2H ₂ O. <i>Inorganica Chimica Acta</i> , 1999, 290, 207-212.	1.2	38
53	A new nitrosyl ruthenium complex: Synthesis, chemical characterization, <i>in vitro</i> and <i>in vivo</i> antitumor activities and probable mechanism of action. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 3616-3622.	2.6	38
54	Nucleic acid cleavage by a Cu(II) polyaza macrocyclic complex. <i>Polyhedron</i> , 2005, 24, 495-499.	1.0	37

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55	Synthesis, structure and properties of the first dinuclear copper(II) complex as a structural model for the phenolic intermediate in tyrosinase's cresolase activity. <i>Inorganic Chemistry Communication</i> , 1999, 2, 334-337.	1.8	36
56	Determination of chlorogenic acid in coffee using a biomimetic sensor based on a new tetranuclear copper(II) complex. <i>Talanta</i> , 2008, 77, 394-399.	2.9	36
57	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, 2065-2078.	1.9	36
58	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.	1.2	35
59	Magneto-structural correlation for binuclear octahedral vanadium(IV) 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.	2.3	35
60	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)].nH ₂ O and [VO ₂ (TCDAH)].nH ₂ O (TCDA = Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 532 Td (1,4,7-triazacyclonon	1.9	34
61	Efficient Phosphodiester Hydrolysis by Luminescent Terbium(III) and Europium(III) Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 6013-6025.	1.9	33
62	Mononuclear Cu ^{II} Phenolate Bioinspired Complex is Catalytically Promiscuous: Phosphodiester and Peptide Amide Bond Cleavage. <i>Inorganic Chemistry</i> , 2009, 48, 2711-2713.	1.9	31
63	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.	2.0	31
64	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.	1.3	30
65	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.	1.6	30
66	Synthesis, structure and electrochemical characterization of a new non-oxo vanadium(IV) complex. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 652.	2.0	29
67	A new bis(1/4-alkoxo) diiron(III) complex and its implications regarding the number of Fe(III) phenolate bonds and the redox potential in uteroferrin. <i>Dalton Transactions RSC</i> , 2000, , 707-712.	2.3	29
68	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, 3594-3596.	1.9	29
69	Second-Sphere Effects in Dinuclear Fe ^{III} Zn ^{II} Hydrolase Biomimetics: Tuning Binding and Reactivity Properties. <i>Inorganic Chemistry</i> , 2018, 57, 187-203.	1.9	29
70	A structural model for oxidized type II copper nitrite reductase with a polyimidazole tripodal ligand. <i>Polyhedron</i> , 2004, 23, 511-518.	1.0	28
71	Synthesis, characterization and structure of a new zinc(II) complex containing the hexadentate 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.	1.2	28
72	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, 2027-2035.	1.6	28

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73	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.	1.8	27
74	Rosmarinic acid determination using biomimetic sensor based on purple acid phosphatase mimetic. <i>Analytica Chimica Acta</i> , 2008, 613, 91-97.	2.6	27
75	Biomimetic sensor based on Mn(III)Mn(II) complex as manganese peroxidase mimetic for determination of rutin. <i>Talanta</i> , 2009, 78, 221-226.	2.9	27
76	Synthesis and Characterization of Modified Chitosan Through Immobilization of Complexing Agents. <i>Macromolecular Symposia</i> , 2005, 229, 203-207.	0.4	26
77	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.	0.6	26
78	A new N,O-donor hexadentate ligand and its first vanadium(III) complex. <i>Inorganica Chimica Acta</i> , 1991, 187, 119-121.	1.2	25
79	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, 7690-7692.	1.9	25
80	Development of a new biomimetic sensor based on an Fe(III)Fe(II) complex for the determination of phenolic compounds. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 424-430.	4.0	24
81	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, 2943-2952.	1.9	24
82	A new dinucleating N,O donor ligand (H ₂ BPCINOL) and the structural and magnetic properties of two diiron complexes with the di-m-alkoxo motif. <i>Journal of the Brazilian Chemical Society</i> , 2000, 11, 7-10.	0.6	23
83	New mononuclear Cu(I) and Zn(II) complexes capable of stabilizing phenoxyl radicals as models for the active form of galactose oxidase. <i>Inorganic Chemistry Communication</i> , 2005, 8, 249-253.	1.8	23
84	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.	1.8	23
85	Catalytic effect of a dinuclear complex in the hydrolysis of bis(2,4-dinitrophenyl) phosphate. <i>Inorganica Chimica Acta</i> , 2005, 358, 2089-2092.	1.2	22
86	A new unsymmetrical dinucleating ligand and its first Fe(III)Zn(II) complex: Structure and solid state properties of an unexpected tetranuclear complex containing the [Fe(III)(^{1/4} -OH) ₂ Fe(III)] structural motif. <i>Inorganic Chemistry Communication</i> , 2005, 8, 323-327.	1.8	22
87	Determination of catechin in green tea using a catechol oxidase biomimetic sensor. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 1215-1223.	0.6	22
88	Oxygen-independent photonuclease activity of a new iron(II) complex. <i>Chemical Communications</i> , 2010, 46, 3375.	2.2	22
89	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.	1.6	22
90	Synthesis and characterization of Fe(III)(^{1/4} -OH)Zn(II) 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.	1.6	22

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91	Sensor for fisetin based on gold nanoparticles in ionic liquid and binuclear nickel complex immobilized in silica. <i>Analyst</i> , 2010, 135, 1015.	1.7	21
92	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.	1.8	21
93	Electrochemical Investigation of Transition Metal Complexes of the Ligand Tetrakis(2-Pyridylmethyl)-Ethylenediamine (Tpen). Crystal Structure of [Ni(tpen)](ClO ₄) ₂ ·2H ₂ O. <i>Journal of Coordination Chemistry</i> , 1992, 26, 269-283.	0.8	20
94	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.	1.6	20
95	Synthesis, structure, magnetism, and hydrolase and catecholase activity of a new trinuclear copper(II) complex. <i>Inorganica Chimica Acta</i> , 2015, 435, 153-158.	1.2	20
96	Catecholase and DNase activities of copper(II) complexes containing phenolate-type ligands. <i>Journal of Physical Organic Chemistry</i> , 2010, 23, 1000-1013.	0.9	19
97	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, 6104-6115.	1.9	19
98	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.	1.6	19
99	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.	1.5	19
100	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.	2.0	18
101	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.	1.8	18
102	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.	0.6	18
103	Pyridoxal derivatized copper(II) complexes: Evaluation of antioxidant, catecholase, and DNA cleavage activity. <i>Inorganica Chimica Acta</i> , 2018, 469, 561-575.	1.2	18
104	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.	0.6	17
105	Synthesis, Structure, and Phosphatase-Like Activity of a New Trinuclear Gd Complex with the Unsymmetrical Ligand H ₃ L As a Model for Nucleases. <i>Inorganic Chemistry</i> , 2010, 49, 3057-3063.	1.9	17
106	Dopamine polymerization promoted by a catecholase biomimetic Cu ^{II} (1/4-OH)Cu ^{II} complex containing a triazine-based ligand. <i>Dalton Transactions</i> , 2016, 45, 15294-15297.	1.6	17
107	New Gadolinium Complex with Efficient Hydrolase-like Activity: A 100-Million-Fold Rate Enhancement in Diester Hydrolysis. <i>Inorganic Chemistry</i> , 2008, 47, 2919-2921.	1.9	16
108	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.	4.8	16

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109	Crystal Structure, Spectroscopy and Magnetic Properties of a Novel FeIIIUnsymmetric Tetranuclear Complex: A Model for met-Hemerythrin. <i>Chemistry Letters</i> , 2000, 29, 540-541.	0.7	15
110	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.	1.8	15
111	Guanidine- and purine-functionalized ligands of FeIII ZnII complexes: effects on the hydrolysis of DNA. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 675-691.	1.1	15
112	Bioinspired FeII CdII and FeII HgII complexes: Synthesis, characterization and promiscuous catalytic activity evaluation. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1740-1752.	1.5	14
113	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, 564-579.	1.6	14
114	Synthesis, spectroscopic/electrochemical characterization and DNA interaction study of novel ferrocenylá€substituted porphyrins. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4318.	1.7	14
115	Intramolecular, base-induced formation of a metal-metal bond in [L ₂ MoIII ₂ (.mu.-OH)(.mu.-CH ₃ CO ₂) ₂] ³⁺ (L = 1,4,7-trimethyl-1,4,7-triazacyclononane). Crystal structures of [L ₂ MoIII ₂ (.mu.-OH)(.mu.-CH ₃ CO ₂) ₂](ClO ₄) ₃ .cntdot.H ₂ O and [L ₂ MoIII ₂ (.mu.-O)(.mu.-CH ₃ CO ₂) ₂](ClO ₄)(BF ₄).cntdot.H ₂ O and of the mixed-valence complex		

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127	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-diron unit. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 1584-1593.	0.6	11
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