Otaciro R Nascimento

List of Publications by Year
in descending order

149 papers	3,239 citations	159585 30 h-index	223800 46 g-index
151 all docs	151 docs citations	151 times ranked	3751 citing authors

#	Article	IF	Citations
1	Precision Relative Aggregation Number Determinations of SDS Micelles Using a Spin Probe. A Model of Micelle Surface Hydration. Journal of Physical Chemistry B, 1998, 102, 10347-10358.	2.6	207
2	Synthesis, crystal structure, electrochemical, and spectroelectrochemical properties of the new manganese(III) complex [MnIII(BBPEN)][PF6] [H2BBPEN = N,N'-bis(2-hydroxybenzyl)-N,N'-bis(2-methylpyridyl)ethylenediamine]. Inorganic Chemistry, 1992, 31, 4749-4755.	4.0	107
3	The metal binding capacity of Anabaena spiroides extracellular polysaccharide: an EPR study. Process Biochemistry, 2005, 40, 2215-2224.	3.7	106
4	Effect of Heme Iron Valence State on the Conformation of Cytochrome c and Its Association with Membrane Interfaces. Journal of Biological Chemistry, 2001, 276, 153-158.	3.4	95
5	Vanadium complexes with thiosemicarbazones: Synthesis, characterization, crystal structures and anti-Mycobacterium tuberculosis activity. Polyhedron, 2009, 28, 398-406.	2.2	88
6	Catalytic activity of nitro- and carboxy-substituted iron porphyrins in hydrocarbon oxidation. Journal of Molecular Catalysis A, 2001, 174, 213-222.	4.8	68
7	Synthesis and Characterization of [RuCl3(P-P)(H2O)] Complexes; P-P = Achiral or Chiral, Chelating Ditertiary Phosphine Ligands. Inorganic Chemistry, 1999, 38, 5341-5345.	4.0	60
8	Changes in the Spin State and Reactivity of Cytochrome c Induced by Photochemically Generated Singlet Oxygen and Free Radicals. Journal of Biological Chemistry, 2004, 279, 39214-39222.	3.4	59
9	Iron porphyrins immobilised on silica surface and encapsulated in silica matrix: a comparison of their catalytic activity in hydrocarbon oxidation. Journal of Molecular Catalysis A, 2005, 233, 73-81.	4.8	58
10	Antiparasitic activities of novel ruthenium/lapachol complexes. Journal of Inorganic Biochemistry, 2014, 136, 33-39.	3.5	58
11	Factors which affect the catalytic activity of iron(III) meso tetrakis(2,6-dichlorophenyl) porphyrin chloride in homogeneous system. Journal of Molecular Catalysis A, 1996, 109, 189-200.	4.8	54
12	Supported iron(III)porphyrins pentafluorophenyl-derivatives as catalysts in epoxidation reactions by H2O2: the role of the silica-support and sulfonatophenyl residues in the activation of the peroxidic bond. Journal of Molecular Catalysis A, 2002, 188, 141-151.	4.8	52
13	New Ni(II)-sulfonamide complexes: Synthesis, structural characterization and antibacterial properties. X-ray diffraction of [Ni(sulfisoxazole)2(H2O)4]Â·2H2O and [Ni(sulfapyridine)2]. Journal of Inorganic Biochemistry, 2008, 102, 285-292.	3.5	50
14	Manganese(II) complexes with thiosemicarbazones as potential anti-Mycobacterium tuberculosis agents. Journal of Inorganic Biochemistry, 2014, 132, 21-29.	3.5	50
15	Magnetic Properties of Carboxylate-Bridged Ferromagnetic Copper(II) Chains Coupled by Cationâ^'Ï€ Interactions. Journal of Physical Chemistry B, 2001, 105, 5039-5047.	2.6	48
16	Hydrophobic Interactions between Spin-Label 5-SASL and Humic Acid As Revealed by ESR Spectroscopy. Environmental Science & Technology, 2001, 35, 761-765.	10.0	46
17	Spectroscopic, Structural, and Functional Characterization of the Alternative Low-Spin State of Horse Heart Cytochrome c. Biophysical Journal, 2008, 94, 4066-4077.	0.5	44
18	Isotropic and anisotropic spin-spin interactions and a quantum phase transition in a dinuclear Cu(II) compound. Physical Review B, 2008, 77, .	3.2	44

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19	Study of a series of cobalt(II) sulfonamide complexes: Synthesis, spectroscopic characterization, and microbiological evaluation against M. tuberculosis. Crystal structure of [Co(sulfamethoxazole)2(H2O)2]Â·H2O. Journal of Molecular Structure, 2013, 1036, 180-187.	3.6	44
20	Modulation of cytochrome c spin states by lipid acyl chains: a continuous-wave electron paramagnetic resonance (CW-EPR) study of haem iron. Biochemical Journal, 2003, 370, 671-678.	3.7	43
21	Manganese(III) porphyrins: catalytic activity and intermediate studies in homogeneous systems. Journal of Molecular Catalysis A, 1997, 116, 365-374.	4.8	41
22	Meso-aryl substituted metalloporphyrins supported on imidazole propyl gel (IPG). Catalytic activity in the oxidation of cyclohexane and characterization of iron porphyrinâ€”IPG systems. Journal of Molecular Catalysis, 1994, 88, 167-176.	1.2	39
23	EPR OF MICRONUTRIENTS-HUMIC SUBSTANCES COMPLEXES EXTRACTED FROM A BRAZILIAN SOIL. Soil Science, 1991, 151, 369-376.	0.9	37
24	DMPG gelâ€“fluid thermal transition monitored by a phospholipid spin labeled at the acyl chain end. Chemistry and Physics of Lipids, 2003, 124, 69-80.	3.2	37
25	Spectroscopic and Catalytic Characterization of a Functional Fe^{III}Fe^{II} Biomimetic for the Active Site of Uteroferrin and Protein Cleavage. Inorganic Chemistry, 2012, 51, 2065-2078.	4.0	36
26	Probing DMPG vesicle surface with a cationic aqueous soluble spin label. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1418, 133-146.	2.6	35
27	Synthesis of fluorinated metalloporphyrinosilica imprinted with templates through solâ€“gel process. Journal of Non-Crystalline Solids, 2000, 273, 100-108.	3.1	35
28	Photochemically Generated Stable Cation Radical of Phenothiazine Aggregates in Mildly Acid Buffered Solutions. Journal of Physical Chemistry B, 2006, 110, 12257-12265.	2.6	35
29	Characterization and catalytic activity of iron(III) mono(4-N-methyl pyridyl)-tris(halophenyl) porphyrins in homogeneous and heterogeneous systems. Journal of Molecular Catalysis A, 1999, 150, 251-266.	4.8	34
30	On the mechanisms of phenothiazine-induced mitochondrial permeability transition: Thiol oxidation, strict Ca2+ dependence, and cyt c release. Biochemical Pharmacology, 2010, 80, 1284-1295.	4.4	34
31	Polymeric organicâ€“inorganic hybrid material containing iron(III) porphyrin using solâ€“gel process. Journal of Non-Crystalline Solids, 1999, 247, 146-152.	3.1	31
32	Modifications in heme iron of free and vesicle bound cytochrome c by tert-butyl hydroperoxide: a magnetic circular dichroism and electron paramagnetic resonance investigation. Free Radical Biology and Medicine, 2000, 28, 786-796.	2.9	31
33	Magnetic properties of a bishelical [4 + 4 + 4] trinuclear copper(ii) complex. Dalton Transactions RSC, 2002, , 1030-1035.	2.3	30
34	Structure and single crystal EPR study of Cu(II)(l-threonine)2Â·H2O. Inorganica Chimica Acta, 2000, 305, 19-25.	2.4	29
35	Catalytic activity of halogenated iron porphyrins in alkene and alkane oxidations by iodosylbenzene and hydrogen peroxide. Journal of the Brazilian Chemical Society, 2005, 16, 835-843.	0.6	27
36	Ruthenium complexes containing tertiary phosphines and imidazole or 2,2â€²-bipyridine ligands. Inorganica Chimica Acta, 1995, 230, 111-117.	2.4	25

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37	Dinuclear copper(II) complexes with valsartan. Synthesis, characterization and cytotoxicity. Journal of Inorganic Biochemistry, 2012, 107, 25-33.	3.5	25
38	Characterization and catalytic activity of 2,6-dichlorophenyl substituted iron(III)porphyrin supported on silica gel and imidazole propyl gel. Journal of Molecular Catalysis A, 1997, 116, 405-420.	4.8	24
39	Crystal Structures and Magnetic Properties of CuX2(pdmp)2 Complexes (X = Br, Cl). Inorganic Chemistry, 1999, 38, 4413-4421.	4.0	24
40	Magnetic Interactions in the Copper Complex (l-Aspartato)(1,10-phenanthroline)copper(II) Hydrate. An Exchange-Coupled Extended System with Two Dissimilar Copper Ions. Inorganic Chemistry, 1997, 36, 3183-3189.	4.0	23
41	EPR Studies of Chlorocatechol 1,2-Dioxygenase: Evidences of Iron Reduction during Catalysis and of the Binding of Amphipatic Molecules. Biophysical Journal, 2005, 88, 3502-3508.	0.5	23
42	Hydroxyl Radical Generation and DNA Nuclease Activity: A Mechanistic Study Based on a Surfaceâ€Immobilized Copper Thioether Clipâ€Phen Derivative. Chemistry - A European Journal, 2016, 22, 10081-10089.	3.3	23
43	EPR spectroscopy and exchange interaction parameters in Cu(glycine)2Â·H2O. Physica B: Condensed Matter, 1996, 225, 63-75.	2.7	22
44	EPR and electrochemistry of [NH4]trans-[RuCl4(DMSO)(L)] complexes (L = DMSO, py). X-ray molecular structure of [pyH][RuCl4(DMSO)(py)]. Journal of the Brazilian Chemical Society, 2000, 11, 530-536.	0.6	22
45	Syntheses, characterization and X-ray structures of the fac-[RuCl3(NO)(dppe)] and the trans-[RuCl(NO)(dppe)2]2+ species. Journal of Inorganic Biochemistry, 2002, 92, 82-88.	3.5	22
46	Electron Paramagnetic Resonance Study of Weak Exchange Interactions between Metal Ions in a Model System:Â CuIIGly-Trpâ€. Journal of Physical Chemistry B, 2004, 108, 9549-9555.	2.6	22
47	An EPR and electronic spectroscopy study of intermediates in a mono o-nitro substituted iron porphyrin reaction with iodosylbenzene. Inorganica Chimica Acta, 1991, 187, 107-114.	2.4	21
48	Immobilization of Î² halogenated ironporphyrin in the silica matrix by the solâ€“gel process. Journal of Non-Crystalline Solids, 2002, 304, 151-159.	3.1	21
49	Electron Paramagnetic Resonance Study of Copperâ€“Ethylenediamine Complex Ion Intercalated in Bentonite. Journal of Physical Chemistry C, 2013, 117, 24042-24055.	3.1	21
50	Intramolecular radical cyclization approach to access highly substituted indolines and 2,3-dihydrobenzofurans under visible-light. RSC Advances, 2018, 8, 12879-12886.	3.6	21
51	The mechanism of reaction of nitrosyl with met- and oxymyoglobin: an ESR study. BBA - Proteins and Proteomics, 1988, 956, 189-196.	2.1	20
52	Interaction of tyrosine and tyrosine dipeptides with Cu2+ ions: A fluorescence study. Analytica Chimica Acta, 1995, 315, 217-224.	5.4	20
53	Synthesis of manganese porphyrinosilica imprinted with templates using the solâ€“gel process. Journal of Non-Crystalline Solids, 2000, 273, 150-158.	3.1	20
54	Supramolecular assembly of new heteropolymetalic molecules based on tetraiminodiphenolate macrocycle and hexacyanometallate anions: Magnetostructural and spectroscopic properties. Polyhedron, 2011, 30, 1997-2006.	2.2	20

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55	Synthesis, structure, and electronic and EPR spectra of copper(II) complexes containing the tetrabromocuprate(2-) anion and triphenylarsine oxide. Inorganic Chemistry, 1992, 31, 1779-1784.	4.0	19
56	Adsorption and structure of MCl2 (M = Co2+, Cu2+, Zn2+, Cd2+, and Hg2+) complex species on a chemically modified silica gel surface with 1,4-diazabicyclo(2.2.2)octane. Journal of Colloid and Interface Science, 1992, 150, 115-120.	9.4	19
57	An investigation into the influence of zinc precursor on the microstructural, photoluminescence, and gas-sensing properties of ZnO nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	19
58	The influence of measurement and storage conditions on alanine ESR dosimeters. International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes, 1992, 43, 1407-1411.	0.5	18
59	Synthesis, structure and properties of a new vanadylâ€“phenolate derivative as a model for the vanadium(IV) transferrins. Journal of the Chemical Society Chemical Communications, 1993, , 1782-1784.	2.0	18
60	Effect of polysaccharide capsule of the microalgae Staurastrum iversenii var. americanum on diffusion of charged and uncharged molecules, using EPR technique. Brazilian Journal of Physics, 2006, 36, 75.	1.4	18
61	Ru(II) complexes with the ligand 1,2-cis(diphenylphosphino)ethylene: chemical and electrochemical synthesis, characterization and X-ray structure. Inorganica Chimica Acta, 1997, 258, 131-137.	2.4	17
62	Ironporphyrins trapped solâ€“gel glasses: a chemometric approach. Journal of Non-Crystalline Solids, 2001, 284, 174-182.	3.1	17
63	A SIMPLE ROUTE FOR SYNTHESES OF TRIHALIDE-BRIDGED CARBONYL DIRUTHENIUM(II,III) COMPLEXES: CRYSTAL AND MOLECULAR STRUCTURE OF ttt-[Ru^{II}Cl₂(CO)₂(PPh₃)₂],[(CO)(AsPh₃)₂ AND ([CO)(PPh₃)₂Ru^{II}(Î¼-Br₃)Ru^{III}Br₂(PPh₃)] SPECTROSCOPIES, ELECTROCHEMISTRY AND PROPERTIES. Journal of Coordination Chemistry, 2001, 54,	2.2	17
64	Crystal structure, electrochemical and spectroscopic properties of the trans-K{[FeCl(NO0)(cyclam)]Â·[FeCl(NO+)(cyclam)]2}(PF6)6 complex. Dalton Transactions RSC, 2002, , 1903-1906.	2.3	17
65	Electrochemical synthesis and crystal structures of nickel(II), copper(II), zinc(II) and cadmium(II) complexes with N,Nâ€²-bis[(4-methylphenyl)sulfonyl]ethylenediamine. Inorganica Chimica Acta, 2002, 328, 111-122.	2.4	17
66	Effect of hydration in metHb: Reversible changes monitored by ESR of iron. Journal of Inorganic Biochemistry, 1990, 40, 309-321.	3.5	16
67	Study by EPR and electronic spectroscopy of intermediates in iron porphyrin and iodosylbenzene reaction. Journal of Inorganic Biochemistry, 1993, 52, 191-200.	3.5	16
68	Temperature-Dependent Hyperfine Coupling Constant of the Dianion Radical of Fremy's Salt, a Convenient Internal Thermometer for EPR Spectroscopy. Journal of Magnetic Resonance Series A, 1996, 118, 227-233.	1.6	16
69	Amino ironporphyrinosilica hybrid materials. Journal of Non-Crystalline Solids, 2001, 284, 27-33.	3.1	16
70	Synthesis and Characterization of Vanadium(IV) and (V) Complexes with 2-Hydroxy-acetophenone-semicarbazone (H2hasc) as Ligand. X-Ray Crystal Structures of [VO2(H2hasc)] and [VO2(Hhasc)]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 783-789.	1.2	16
71	Synthesis, structure and properties of a new unsymmetric tetranuclear mixed-valence vanadium(IV/V) complex containing distinct V2O33+ cores. Inorganic Chemistry Communication, 2002, 5, 418-421.	3.9	15
72	Peroxidase Catalytic Cycle of MCM-41-Entrapped Microperoxidase-11 as a Mechanism for Phenol Oxidation. Journal of Nanoscience and Nanotechnology, 2007, 7, 3643-3652.	0.9	15

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73	Hydroxyl scavenging activity accounts for differential antioxidant protection ofPlantago majoragainst oxidative toxicity in isolated rat liver mitochondria. Journal of Pharmacy and Pharmacology, 2012, 64, 1177-1187.	2.4	15
74	Ferricytochrome c Directly Oxidizes Aminoacetone to Methylglyoxal, a Catabolite Accumulated in Carbonyl Stress. PLoS ONE, 2013, 8, e57790.	2.5	15
75	Intermediate species detected in oxidation reactions of FeTM(4)PyP5+ with iodosylbenzene by EPR and UV-Vis spectroscopies. Inorganica Chimica Acta, 1991, 186, 39-43.	2.4	14
76	Study of the catalytical intermediates of metalloporphyrins supported on imidazole propyl gel. Journal of Molecular Catalysis A, 1997, 117, 259-271.	4.8	14
77	Towards the mechanisms involved in the antioxidant action of MnIII [meso-tetrakis(4-N-methyl) Tj ETQq1 1 0.784314 rgBT /Overlock	2.3	14
78	Synthesis and Characterization of Homoleptic and Heteroleptic Cobalt, Nickel, Copper, Zinc and Cadmium Compounds with the 2â€(Tosylamino)â€Nâ€[2â€(tosylamino)benzylidene]aniline Ligand. European Journal of Inorganic Chemistry, 2011, 2011, 2273-2287.	2.0	14
79	A TRICHLORO-BRIDGED DIRUTHENIUM (II, III) COMPLEX: PREPARATION, PROPERTIES AND X-RAY STRUCTURE OF TRI(-Î¼-CHLORO) DICHLOROCARBONYLTRIS (TRIPHENYLPHOSPHINE)DIRUTHENIUM(II, III). Journal of Coordination Chemistry, 1993, 30, 345-355.	2.2	13
80	Spectroscopic study of a water-soluble iron(III) meso-tetrakis(4-N-methylpyridiniumyl) porphyrin in aqueous solution: effects of pH and salt. Journal of Inorganic Biochemistry, 2003, 94, 127-137.	3.5	13
81	Biological effects of anionic meso-tetrakis (para-sulfonatophenyl) porphyrins modulated by the metal center. Studies in rat liver mitochondria. Chemico-Biological Interactions, 2009, 181, 400-408.	4.0	13
82	Structure and magnetism of a binuclear Cu^{II} pyrophosphate: transition to a 3D magnetic behaviour studied by single crystal EPR. Dalton Transactions, 2015, 44, 4732-4743.	3.3	13
83	Synthesis of cobalt(II)-Î±-diimines complexes and their activity as mediators in organometallic mediated radical polymerization of vinyl acetate. Inorganica Chimica Acta, 2018, 471, 620-629.	2.4	13
84	Co(II), Ni(II) and Cu(II) mononuclear and polynuclear complexes influenced by the aliphatic spacer length of their O2N2O2 Schiff bases. Inorganica Chimica Acta, 2001, 318, 135-142.	2.4	12
85	Iron(III)-tetra-o-ureaphenylporphyrinosilica obtained by a solâ€“gel process: a study of EPR, surface area and catalytic activity. Journal of Non-Crystalline Solids, 2002, 304, 101-108.	3.1	12
86	Protonation of two adjacent tyrosine residues influences the reduction of cytochrome c by diphenylacetaldehyde: a possible mechanism to select the reducer agent of heme iron. Free Radical Biology and Medicine, 2004, 36, 802-810.	2.9	12
87	Low spin states of microperoxidases produced by inter- and intra-peptide chain sixth ligands: Effect of pH and the oligopeptide type. Journal of Inorganic Biochemistry, 2006, 100, 226-238.	3.5	12
88	Light-Driven Horseradish Peroxidase Cycle by Using Photo-activated Methylene Blue as the Reducing Agent. Photochemistry and Photobiology, 2007, 83, 1254-1262.	2.5	12
89	Superoxide radical protects liposome-contained cytochrome c against oxidative damage promoted by peroxynitrite and free radicals. Free Radical Biology and Medicine, 2009, 47, 841-849.	2.9	12
90	Modulating the DNA cleavage ability of copper(<scp>ii</scp>) Schiff bases through ternary complex formation. New Journal of Chemistry, 2018, 42, 15170-15183.	2.8	12

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91	Light-induced disruption of an acyl hydrazone link as a novel strategy for drug release and activation: isoniazid as a proof-of-concept case. Inorganic Chemistry Frontiers, 2020, 7, 859-870.	6.0	12
92	Kinetics of electron transfer reactions by humic substances: Implications for their biogeochemical roles and determination of their electron donating capacity. Chemosphere, 2022, 286, 131755.	8.2	12
93	Synthesis, crystal structure, electrochemical and spectroscopic properties of [Ru(BBPEN)][PF6]Â·H2O. Crystal structure of the H2BBPEN [H2BBPEN = N,Nâ€²-bis(2-hydroxybenzyl)-N,Nâ€²-bis(2-methylpyridyl)ethylenediamine]. Polyhedron, 1995, 14, 1307-1314.	2.2	11
94	Photo-induced electron transfer in supramolecular materials of titania nanostructures and cytochrome c. RSC Advances, 2012, 2, 7417.	3.6	11
95	Protective Effect of Plantago major Extract against t-BOOH-Induced Mitochondrial Oxidative Damage and Cytotoxicity. Molecules, 2015, 20, 17747-17759.	3.8	11
96	Ascorbyl and hydroxyl radical generation mediated by a copper complex adsorbed on gold. Dalton Transactions, 2019, 48, 14128-14137.	3.3	11
97	Charge separation of photosensitized phenothiazines for applications in catalysis and nanotechnology. Dyes and Pigments, 2020, 177, 108314.	3.7	11
98	Synergy of DNA intercalation and catalytic activity of a copper complex towards improved polymerase inhibition and cancer cell cytotoxicity. Dalton Transactions, 2021, 50, 11931-11940.	3.3	11
99	On the interaction of cu2+ with the heavy dipeptide glyâ€”trp. Journal of Inorganic Biochemistry, 1984, 23, 13-27.	3.5	10
100	Synthesis, characterization and molecular structure of the 1-methylimidazolium carbonyl-1-methylimidazoletetrachloro-ruthenate(III). Inorganica Chimica Acta, 1992, 202, 37-41.	2.4	10
101	Structural and thermodynamic studies of KM+, a d-mannose binding lectin from Artocarpus integrifolia seeds. Biophysical Chemistry, 1999, 79, 81-93.	2.8	10
102	Phototransients of 2-ethylaminodiphenylborinate generated by direct photolysis and photosensitization. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 236, 14-20.	3.9	10
103	The structure, magnetism and EPR spectra of a (Î¼-thiophenolato)(Î¼-pyrazolato-N,Nâ€²) double bridged dicopper(<scp>ii</scp>) complex. Dalton Transactions, 2015, 44, 2431-2438.	3.3	10
104	Electronic spectra, ESR and crystal structure of tetrahedral halocuprates(II). The existence of cations (2tbpoÂ·H+) with a very short hydrogen bond. Inorganica Chimica Acta, 1983, 72, 127-131.	2.4	9
105	An EPR determination of copper complexation by excreted high molecular weight compounds of Ankistrodesmus densus (Chlorophyceae). Journal of Plankton Research, 1988, 10, 1313-1315.	1.8	9
106	Tunneling within localized states in nitrosyl myoglobin. Journal of Chemical Physics, 1991, 95, 2265-2268.	3.0	9
107	Reaction route control by microperoxidase-9/CTAB micelle ratios. Physical Chemistry Chemical Physics, 2006, 8, 1963.	2.8	9
108	A seven-coordinate FeIII compound: [Fe{O(CH2CO2)2}(H2O)2(NO3)]. Preparation, structure and magnetic properties. Inorganica Chimica Acta, 2007, 360, 2911-2916.	2.4	9

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109	Magnetic resonance study of a vanadium pentoxide gel. Journal of Sol-Gel Science and Technology, 2008, 45, 195-204.	2.4	9
110	Analyzing Ru(III)â€“dmso and Ru(III)â€“dms motifs in compounds used in the synthesis of the antimetastatic agents. Journal of Molecular Structure, 2008, 891, 64-74.	3.6	9
111	Intermediate Tyrosyl Radical and Amyloid Structure in Peroxide-Activated Cytoglobin. PLoS ONE, 2015, 10, e0136554.	2.5	9
112	Modified silicas covalently bounded to 5,10,15,20-tetrakis(2-hydroxy-5-nitrophenyl)porphyrinato iron(III): synthesis, spectroscopic and EPR characterization. Catalytic studies. Journal of the Brazilian Chemical Society, 2008, 19, 344-351.	0.6	9
113	Electron paramagnetic resonance study of CuCl2 adsorbed on silica-gel surface modified with 3(1-imidazolyl)propyl groups. Colloids and Surfaces, 1986, 19, 41-45.	0.9	8
114	SELECTIVE PERMEABILITY OF THE EXTRACELLULAR ENVELOPE OF THE MICROALGA SPONDYLOSIUM PANDURIFORME (CHLOROPHYCEAE) AS REVEALED BY ELECTRON PARAMAGNETIC RESONANCE. Journal of Phycology, 1998, 34, 631-637.	2.3	8
115	Microperoxidase-8 Associated to CTAB Micelles:Â A New Catalyst with Peroxidase Activity. Journal of Physical Chemistry B, 2004, 108, 11124-11132.	2.6	8
116	Characterization of protein spin labeling by maleimide: Evidence for nitroxide reduction. Analytical Biochemistry, 1988, 173, 289-295.	2.4	7
117	An ESR study of nitrosyl-Aplysia brasiliana myoglobin and nitrosyl annelidae Glossoscolex paulistus erythrocruorin. BBA - Proteins and Proteomics, 1988, 955, 315-320.	2.1	7
118	Synthesis and Structure of the Dimeric Copper(II) Complex Tetrakis[N-thiazol-2-yl-(4-methylphenyl)sulfonamidate]dicopper(II). Journal of Chemical Crystallography, 2008, 38, 71-75.	1.1	7
119	UV-Light Effects on Cytochrome C Modulated by the Aggregation State of Phenothiazines. PLoS ONE, 2013, 8, e76857.	2.5	7
120	Magnetic nanoparticles as a support for a copper (II) complex with nuclease activity. Journal of Inorganic Biochemistry, 2018, 186, 294-300.	3.5	7
121	Synthesis, structure and characterisation of a Mn(IV) complex with a potentially tridentate phosphinothiol ligand. Inorganic Chemistry Communication, 2002, 5, 337-339.	3.9	6
122	Potential antitumoral properties of a new copper complex with santonic acid. Bioorganic and Medicinal Chemistry, 2008, 16, 4313-4322.	3.0	6
123	Structural and EPR studies of pyrophosphate-bridged dinuclear CuII complexes. Polyhedron, 2014, 79, 178-185.	2.2	6
124	Supramolecular structures in oxovanadium(IV) compounds with pyrid-2-one and pyrid-4-one ligands. Journal of Molecular Structure, 2019, 1194, 104-111.	3.6	6
125	Exchange couplings and quantum phases in two dissimilar arrays of similar copper dinuclear units. Dalton Transactions, 2020, 49, 5228-5240.	3.3	6
126	Study of Ca2Fe2â^'xNbxO5+x phases by X-ray diffraction, IR and EPR spectroscopy. Materials Research Bulletin, 1992, 27, 523-529.	5.2	5

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127	EPR and magnetic studies of a carboxylate-bridged dinuclear copper(II) compound: [cu2(flu)4(dmf)2]. Journal of the Brazilian Chemical Society, 2011, 22, 669-676.	0.6	5
128	Interaction of Fe3+meso-tetrakis (2,6-dichloro-3-sulfonatophenyl) porphyrin with cationic bilayers: magnetic switching of the porphyrin and magnetic induction at the interface. Theoretical Chemistry Accounts, 2011, 130, 829-837.	1.4	5
129	Temperature dependence of the effective interdimer exchange interaction in a weakly coupled antiferromagnetic dimer copper compound. Physical Review B, 2017, 96, .	3.2	5
130	Influence of the Medium on the Photochemical and Photophysical Properties of [Ru(phen)₂(pPDIp)]²⁺. ChemPhotoChem, 2018, 2, 757-764.	3.0	5
131	Cobalt(II) complexes of Î±-diimine derived from cycloalkylamines as controlling agents for organometallic mediated radical polymerization of vinyl acetate. Polyhedron, 2020, 192, 114870.	2.2	5
132	Manganese(<scp>ii</scp>) Schiff-base-mediated reversible deactivation controlled radical polymerization of vinyl acetate. New Journal of Chemistry, 2021, 45, 10109-10117.	2.8	5
133	Recycling of the High Valence States of Heme Proteins by Cysteine Residues of Thimet-Oligopeptidase. PLoS ONE, 2013, 8, e79102.	2.5	5
134	Structure and peroxidase activity of ferric Streptomyces clavuligerus orf10-encoded protein P450CLA: UV-visible, CD, MCD and EPR spectroscopic characterization. Journal of the Brazilian Chemical Society, 2012, 23, 913-920.	0.6	4
135	Efeito caotrÃ³pico do Ãon lÃtio na permeabilidade da cÃ¡psula polissacarÃdica da microalga Ankistrodesmus gracilis (Reinsch) Korsikov (Chlorophyceae). Acta Botanica Brasilica, 2006, 20, 449-454.	0.8	4
136	Reactivity of thebis[1-Hydroxy-2-(Salicylideneamino)Ethane]Manganese(II) complex toward hydrogen peroxide: Kinetics and intermediates of reaction. , 1998, 30, 889-897.		3
137	Study of the [Zn(H2O)4CuEDTA]Â·2H2O Complex, a Potential Trace-metal Supplier: Synthesis, Crystal Structure, Spectroscopic Behavior and Metal Release. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 1361-1366.	0.7	3
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