

Fãbio S Nunes

List of Publications by Year in descending order

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84
papers

897
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516710

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all docs

84
docs citations

84
times ranked

1146
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#	ARTICLE	IF	CITATIONS
1	Use of anhydrous sodium molybdate as an efficient heterogeneous catalyst for soybean oil methanolysis. <i>Applied Catalysis A: General</i> , 2008, 351, 267-274.	4.3	66
2	Metalloporphyrins immobilized on silica-coated Fe ₃ O ₄ nanoparticles: Magnetically recoverable catalysts for the oxidation of organic substrates. <i>Applied Catalysis A: General</i> , 2013, 459, 121-130.	4.3	57
3	Highly selective catalytic epoxidation of cyclohexene and cyclooctene with t-butyl hydroperoxide by molybdenum(VI) compounds heterogenized in silica produced by the sol-gel process. <i>Applied Catalysis A: General</i> , 2009, 368, 139-145.	4.3	37
4	Interaction of 2- and 4-Mercaptopyridine with Pentacyanoferrates and Gold Nanoparticles. <i>Inorganic Chemistry</i> , 2006, 45, 94-101.	4.0	36
5	Use of iron and manganese porphyrins in solution and immobilized on silica obtained by the sol-gel process as catalyst in the oxidation of organic substrates. <i>Applied Catalysis A: General</i> , 2011, 404, 120-128.	4.3	34
6	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.	3.9	31
7	A novel fluorene-derivative Schiff-base fluorescent sensor for copper(II) in organic media. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 348, 41-46.	3.9	27
8	Manganese porphyrins immobilized on magnetic SBA-15 mesoporous silica as selective and efficient catalysts for cyclic and linear alkane oxidation. <i>Microporous and Mesoporous Materials</i> , 2018, 265, 84-97.	4.4	27
9	Turn-on fluorescence study of a highly selective acridine-based chemosensor for Zn ²⁺ in aqueous solutions. <i>Inorganica Chimica Acta</i> , 2020, 499, 119191.	2.4	27
10	Heterogeneous oxidation of the dye Brilliant Green with H ₂ O ₂ catalyzed by supported manganese porphyrins. <i>Journal of Molecular Catalysis A</i> , 2015, 408, 123-131.	4.8	23
11	A novel macrocycle acridine-based fluorescent chemosensor for selective detection of Cd ²⁺ in Brazilian sugarcane spirit and tobacco cigarette smoke extract. <i>Inorganica Chimica Acta</i> , 2020, 508, 119634.	2.4	22
12	Novel double alkoxides of titanium(IV) and iron(II)/(III): synthetic, structural and spectroscopic studies. <i>New Journal of Chemistry</i> , 2002, 26, 519-522.	2.8	21
13	Supramolecular assembly of new heteropolymetalic molecules based on tetraaminodiphenolate macrocycle and hexacyanometallate anions: Magnetostructural and spectroscopic properties. <i>Polyhedron</i> , 2011, 30, 1997-2006.	2.2	20
14	A new facile high yield preparative route for mixed-trinuclear acetate clusters. <i>Inorganic Chemistry Communication</i> , 2006, 9, 208-211.	3.9	18
15	Structure, spectroelectrochemistry and magnetic properties of a dicobalt(II)-tetraaminodiphenolate complex. <i>Journal of Molecular Structure</i> , 2010, 984, 354-358.	3.6	17
16	Synthesis, crystallographic characterization and homogeneous catalytic activity of novel unsymmetric porphyrins. <i>RSC Advances</i> , 2017, 7, 50610-50618.	3.6	17
17	The synthesis of triangulo-trimetal complexes containing both iron(II) and vanadium(II). <i>Inorganica Chimica Acta</i> , 2001, 319, 147-158.	2.4	16
18	Synthesis and Crystal Structures of Bis(1-((E)-2-(pyridinylmethylidene)-semicarbazone)iron(II) and copper(II) Diperchlorate Monohydrates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 1801-1806.	1.2	16

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19	Photophysical, photodynamical, redox properties and BSA interactions of novel isomeric tetracationic peripheral palladium(scp)-bipyridyl porphyrins. Dalton Transactions, 2020, 49, 16278-16295.	3.3	15
20	A highly selective acridine-based fluorescent probe for detection of Al^{3+} in alcoholic beverage samples. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 231, 118119.	3.9	15
21	Preparation, crystallography and spectroscopic properties of the polymeric dynamic Jahn-Teller effect. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 1337-1341.	3.9	14
22	Synthesis, characterization and catalytic activity toward dye decolorization by manganese (II) mononuclear complexes. Applied Catalysis A: General, 2013, 454, 11-20.	4.3	14
23	Title is missing!. Journal of Chemical Crystallography, 2002, 32, 363-367.	1.1	13
24	Synthesis, Crystal Structure and Spectroscopic Properties of Bis(1-ethyl-2-formylpyridine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Chemie, 2009, 635, 1236-1241.	1.2	13
25	Inner-Sphere Cluster Formation by $[\text{Ru}(\text{NH}_3)_5\text{H}_2\text{O}]^{3+}$ or $[\text{Os}(\text{NH}_3)_5\text{H}_2\text{O}]^{3+}$ in Combination with $[\text{M}(\text{CN})_6]^{4-}$ (M = Fe, Ru, or Os). Inorganic Chemistry, 1999, 38, 2844-2850.	4.0	12
26	Synthesis and crystal structure of tetraiminediphenolate diiron(II) macrocyclic complex. Journal of Chemical Crystallography, 2004, 34, 83-87.	1.1	12
27	Catalytic reduction of hydrazine to ammonia by a high-oxidation state molybdenum complex. Inorganic Chemistry Communication, 2008, 11, 1040-1043.	3.9	12
28	Semi-empirical ZINDO/S description of the electronic structure and the spectral features of methyl orange and its products of oxidation. A study of relationship between molecular geometry and spectroscopic properties. Dyes and Pigments, 2013, 99, 839-849.	3.7	12
29	An unusual vanadium(II) promoted hydrogenation of a magnesium tetraiminediphenolate compound yielding an asymmetric oxovanadium(IV) macrocyclic complex. Polyhedron, 2004, 23, 2069-2074.	2.2	11
30	Synthesis, Characterization and Electrochemistry of New Tetra- and Pentaamminesmium(II) Complexes Containing Unsaturated Ligands. Inorganic Chemistry, 1994, 33, 3111-3115.	4.0	10
31	ELECTROCHEMISTRY AND SPECTROELECTROCHEMISTRY OF AN $\hat{\pm}$ -IMINOXIME IRON(II) MACROCYCLIC COMPLEX. Journal of Coordination Chemistry, 1995, 36, 33-40.	2.2	10
32	Structure and magnetic properties of two new lanthanide complexes with the 1-((E)-2-pyridinylmethylidene)semicarbazone ligand. Journal of Molecular Structure, 2019, 1184, 254-261.	3.6	10
33	Electronic Spectra of a Series of Iron(II) $\hat{\pm}$ -iminooxime Macrocyclic Complexes Containing Axial N-Heterocyclic Ligands. Spectroscopy Letters, 1992, 25, 757-767.	1.0	9
34	ISOTHIOCYANATE COPPER(II) TETRAAZA-IMINOXIME MACROCYCLIC COMPLEX: AN EXAMPLE OF LINKAGE ISOMERISM. PART I "SYNTHESIS, INFRARED SPECTROSCOPY AND CRYSTAL STRUCTURE. Journal of Coordination Chemistry, 1999, 47, 251-267.	2.2	9
35	Spectroscopic, redox and magnetic properties of a tetraiminediphenolate iron(II) macrocyclic complex: a model compound for iron proteins. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 1929-1932.	3.9	9
36	Synthesis and spectroscopic characterization of copper(II) tetraazaiminooxime macrocyclic complexes "A tetragonal distortion analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 65, 549-552.	3.9	9

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37	A new pentanuclear cyano-bridged complex $[\{FeII(tetraazamacrocyclic)\}_3\{4-NC-FeIII(CN)_5\}_2]$: Synthesis, spectroscopic and magnetic characterization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 1029-1033.	3.9	9
38	Synthesis, characterization and chemical properties of 1-((E)-2-pyridinylmethylidene)semicarbazone manganese(II) and iron(II) complexes. <i>Journal of Molecular Structure</i> , 2012, 1008, 35-41.	3.6	9
39	Study of the catalytic activity of non-heme manganese complexes toward oxidation of cyclooctene and cyclohexene. <i>Applied Catalysis A: General</i> , 2014, 471, 56-62.	4.3	9
40	Vanadium(II)-diamine complexes: synthesis, UV-Visible, infrared, thermogravimetry, magnetochemistry and INDO/S characterisation. <i>Journal of the Brazilian Chemical Society</i> , 2003, 14, .	0.6	9
41	Diruthenium, diiron and mixed ruthenium-iron tetraiminediphenolate macrocyclic complexes: Synthetic route, spectroscopy, molecular mechanics and redox properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 67, 145-149.	3.9	8
42	Electrochemistry and spectroelectrochemistry of 5,10,15,20-tetrakis(1,3-benzodioxole) porphyrin and its manganese and iron complexes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2014, 18, 1093-1100.	0.8	8
43	A Facile Preparation of a New Water-Soluble Acridine Derivative and Application as a Turn-off Fluorescence Chemosensor for Selective Detection of Hg ²⁺ . <i>Journal of Fluorescence</i> , 2020, 30, 235-247.	2.5	8
44	Kinetics and mechanisms of substitution of the axial and equatorial ligands in an iron(II) macrocyclic heme model complex. <i>International Journal of Chemical Kinetics</i> , 1993, 25, 205-214.	1.6	7
45	Synthesis and Crystal Structure of Dichlorobis(dimethylsulfoxide)oxoperoxo Molybdenum(VI). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 1839-1841.	1.2	7
46	Synthesis and Molecular Structure of <i>Bis</i> (ethylenediamine)acetatonickel(II)hexafluoridophosphate Complex $[Ni(en)_2(CH_3CO)_2]PF_6$. An Unexpected Acetylacetonato Cleavage Reaction. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 1229-1233.	1.2	7
47	$[Os(NH_3)_4(eta.2,eta.1-(CH_2:CHCO_2H)_2)]^{2+}$: Preparation, Characterization, Determination of Acid-Dissociation Constants, and Kinetics and Mechanism of Acid-Catalyzed Aquation. <i>Inorganic Chemistry</i> , 1994, 33, 3116-3120.	4.0	6
48	Fixação de nitrogênio: estrutura, função e modelagem bioinorgânica das nitrogenases. <i>Quimica Nova</i> , 2003, 26, 872-879.	0.3	6
49	Synthesis, crystal structure and properties of the cyano-bridged heteropolynuclear $[Cu(meso)]_3[Co(CN)_6]_2 \cdot 9.5H_2O$ compound. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 1195-1200.	0.6	6
50	Synthesis, characterization and electrocatalysis of mono- and di-nickel tetraiminodiphenolate macrocyclic complexes as active site models of [NiFe]-hydrogenases. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 14094-14102.	7.1	6
51	2-Mercaptobenzoxazole pentacyanoferrate(II/III) complexes: kinetics of formation, substitution and the thermodynamic cycle. <i>Polyhedron</i> , 2002, 21, 2137-2142.	2.2	5
52	Synthesis, characterization and semi-empirical calculations for the thiocyanate linkage isomers of an (±-iminooxime)cobalt(III) macrocyclic complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 64, 161-165.	3.9	5
53	ZINDO/S and PM3 calculations for a biscyanide (±-iminooxime) cobalt macrocyclic complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 65, 859-862.	3.9	5
54	Synthesis, Structure and Properties of a Trinuclear (±-Ciano) Tetracyanodinitrosylferrate Copper Complex. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 1613-1618.	1.2	5

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55	Synthesis, Structural and Spectroscopic Characterization of a New Coordination Polymer Based on a Tetraaminodiphenolate Macrocyclic and Piperazine: $[\{Cu_2(tidf)(\mu\text{-ppz})\}(ClO_4)_2]_n$. <i>Journal of Chemical Crystallography</i> , 2014, 44, 506-511.	1.1	5
56	Crystallographic evidence of metal scrambling in an N4O2-tetraaminodiphenolate macrocyclic complex. <i>Journal of Molecular Structure</i> , 2014, 1072, 69-76.	3.6	5
57	Magnetic HMS silica as a Support to Immobilization of Catalysts Based on Cationic Manganese Porphyrins. <i>ChemistrySelect</i> , 2017, 2, 3703-3715.	1.5	5
58	2-Mercaptobenzoxazole pentacyanoferrate(II/III) complexes: UV-Visible, Mössbauer, electron paramagnetic resonance, electrochemistry and molecular modeling. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 10-15.	0.6	4
59	Synthesis, spectroscopic characterization and semi-empirical calculations for a low spin carbonyl, pyridine(\pm -iminooxime)iron(II) macrocyclic complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 727-731.	3.9	4
60	Mössbauer analysis of substituted diiron(II) tetraiminediphenolate macrocyclic complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 651-654.	3.9	4
61	Fluorenyl-Schiff-base ligands and their dicopper(II) complexes. Synthesis, structural and spectroscopic characterization and DNA binding assays. <i>Polyhedron</i> , 2018, 144, 18-29.	2.2	4
62	(Imidazole)(3,3'-trimethylenedinitrilo bis (2-butanone oximate)) copper(II) perchlorate: Synthesis and crystal structure of a five-coordinate copper-protein model complex. <i>Journal of Chemical Crystallography</i> , 1997, 27, 721-725.	1.1	3
63	Spectroscopic, Electrochemical, Magnetic and Structural Investigations of Dimanganese-(II/III) and Mixed-Valence-(II/III)-Tetraaminodiphenolate Complexes. <i>Journal of the Brazilian Chemical Society</i> , 2014, ,	0.6	3
64	Synthesis, characterization, and crystal structure of an iron(II) 5,5,7,12,12,14-hexamethyl-1,4,8,11-tetraazacyclotetradecane macrocyclic complex. <i>Journal of Chemical Crystallography</i> , 2006, 36, 365-369.	1.1	2
65	A new capped iron(III) trinuclear benzoate cluster. <i>Journal of Coordination Chemistry</i> , 2007, 60, 185-191.	2.2	2
66	Formation of a penta- or hexacoordinated Cu^{II} semicarbazone complex: Revisiting semicarbazone metal complexes. <i>Journal of Molecular Structure</i> , 2021, 1231, 129942.	3.6	2
67	Semiempirical INDO/S calculations on the absorption spectrum of mono- and trinuclear vanadium(II) complexes. <i>International Journal of Quantum Chemistry</i> , 2002, 88, 245-251.	2.0	1
68	N,N,N',N'-Tetramethylethane-1,2-diaminium tri- $\frac{1}{4}$ -chloro-bis[(N,N,N',N'-tetramethylethane-1,2-diamine)vanadium(II)] tetraphenylborate tetrahydrofuran solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, m1010-m1012.	0.2	1
69	A comprehensive electronic structure description of a biscyanotetraazacobalt(III) macrocyclic complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 94-98.	3.9	1
70	Crystal structure of 4-formylpyridine semicarbazone hemihydrate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o317-o318.	0.5	1
71	Metal complexes of a pentadentate N2O3 bis(semicarbazone) Schiff-base. A case study of structure-spectroscopy correlation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 164, 76-83.	3.9	1
72	Structural, Magnetic, Spectroscopic and Density Functional Theory (DFT) Analysis of Bis((1- β -pyridinylmethylidene)semicarbazone)copper(II)sulfate Dihydrate Complex.. <i>ChemistrySelect</i> , 2017, 2, 8451-8458.	1.5	1

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73	New Heteronuclear Supramolecular Assemblies Based on a Robson-Type Macrocyclic: Structure and Spectroscopic Properties. <i>Journal of Chemical Crystallography</i> , 2018, 48, 200-208.	1.1	1
74	DFT analysis of the linkage isomerism in penta(ammine)ruthenium(II/III) complexes of benzotriazole: Natural bond orbital method approach and a comprehensive energy decomposition analysis. <i>Journal of Computational Chemistry</i> , 2019, 40, 1593-1598.	3.3	1
75	Dichlorobis(tetrahydrofuran)(N,N-di-tert-butylethane-1,2-diamine)vanadium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003, 59, m939-m941.	0.2	0
76	Synthesis and crystal structure of $[V_3(\mu_3\text{-Cl})_4(\mu_3\text{-OH})(\text{thf})_2(\text{teeda})_2] \cdot 2(\text{thf})$ (teeda =) $Tj\ ETQq0\ 0\ 0\ rgBT\ /Overlock\ 10\ Tf\ 50\ 62$	1.1	0
77	Crystal Structure of 2,3,9,10-Tetramethyl-1,4,8,11-tetraazaundecane-1,3,8,10-tetraen-11-ol-1-olatodicyanocobalt(III) monohydrate. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2007, 23, X163-X164.	0.1	0
78	Bis(azido) μ -iminooxime cobalt macrocyclic complex: Synthesis, spectroscopy and ZINDO/S calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 73, 154-156.	3.9	0
79	Phosphodiester hydrolysis promoted by dinuclear iron(III) complexes. <i>Transition Metal Chemistry</i> , 2011, 36, 79-85.	1.4	0
80	Nitrate-Bridged One-Dimension Coordination Polymer Self-Assembled from a N4O2-Tetraiminodiphenolate Dicopper(II) Macrocyclic Complex. <i>Journal of Chemistry</i> , 2015, 2015, 1-6.	1.9	0
81	New Copper and Oxomolybdate Robson-Type Polynuclear Macrocyclic Complexes: Structure, Spectroscopy, and Electrochemical Properties. <i>Journal of Chemistry</i> , 2015, 2015, 1-9.	1.9	0
82	Redox- and thermally-induced linkage isomerization of thieno[2,3-d]pyrimidin-4-one pentacyanoferrate(II/III) complexes. <i>Inorganica Chimica Acta</i> , 2019, 489, 78-84.	2.4	0
83	Turn-off fluorene-based chemosensor switch to Fe ³⁺ : Spectroscopic study, merit parameters, theoretical calculations, and its application in Brazilian ethanol fuel. <i>Inorganica Chimica Acta</i> , 2021, 526, 120511.	2.4	0
84	A comparative study between acridine-based macrocycle chemosensor switches to Cd(II): synthesis, spectroscopy, and theoretical calculation. <i>Supramolecular Chemistry</i> , 0, , 1-7.	1.2	0