

Baltazar de Castro

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1962871/publications.pdf>

Version: 2024-02-01

187
papers

6,188
citations

53794

45
h-index

106344

65
g-index

188
all docs

188
docs citations

188
times ranked

5954
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive methods to determine the critical micelle concentration of some bile acid salts. <i>Analytical Biochemistry</i> , 2004, 334, 117-126.	2.4	139
2	New Insights into the Structure and Properties of Electroactive Polymer Films Derived from [Ni(salen)]. <i>Inorganic Chemistry</i> , 1997, 36, 4919-4929.	4.0	136
3	Desulfurization of model diesel by extraction/oxidation using a zinc-substituted polyoxometalate as catalyst under homogeneous and heterogeneous (MIL-101(Cr) encapsulated) conditions. <i>Fuel Processing Technology</i> , 2015, 131, 78-86.	7.2	125
4	Enzymes of hydrogen metabolism in <i>Pyrococcus furiosus</i> . <i>FEBS Journal</i> , 2000, 267, 6541-6551.	0.2	118
5	Production of ultra-deep sulfur-free diesels using a sustainable catalytic system based on UiO-66(Zr). <i>Chemical Communications</i> , 2015, 51, 13818-13821.	4.1	107
6	Catalytic oxidative/extractive desulfurization of model and untreated diesel using hybrid based zinc-substituted polyoxometalates. <i>Fuel</i> , 2016, 166, 268-275.	6.4	106
7	Monovacant polyoxometalates incorporated into MIL-101(Cr): novel heterogeneous catalysts for liquid phase oxidation. <i>Applied Catalysis A: General</i> , 2013, 453, 316-326.	4.3	103
8	Deep oxidative desulfurization of diesel fuels using homogeneous and SBA-15-supported peroxophosphotungstate catalysts. <i>Fuel</i> , 2019, 241, 616-624.	6.4	100
9	Spectroscopic characterisation of electrogenerated nickel(III) species. Complexes with N ₂ O ₂ Schiff-base ligands derived from salicylaldehyde. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 1491-1498.	1.1	97
10	Electrochemical and X-ray studies of nickel(II) Schiff base complexes derived from salicylaldehyde. <i>Polyhedron</i> , 2000, 19, 655-664.	2.2	91
11	Crystal and molecular structure of N,N'-1,2-ethane-1,2-diyl-bis(2- <i>Tj</i> ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 352 Td (hydroxyacetone)cyclohexane-1,2-diyl-bis(2-hydroxyacetophenonylideneimine)-nickel(II) and N,N'-1,2-benzene-1,2-diyl-bis(3,5-dichlorosalicylideneimine)nickel(III). <i>Inorganica Chimica Acta</i> , 1994, 219, 43-54.	2.4	84
12	Synthesis, characterization and antibacterial studies of a copper(II) levofloxacin ternary complex. <i>Journal of Inorganic Biochemistry</i> , 2012, 110, 64-71.	3.5	82
13	Catalytic performance and electrochemical behaviour of Metal-organic frameworks: MIL-101(Fe) versus NH ₂ -MIL-101(Fe). <i>Polyhedron</i> , 2017, 127, 464-470.	2.2	82
14	Manganese(III) salen complexes anchored onto activated carbon as heterogeneous catalysts for the epoxidation of olefins. <i>Microporous and Mesoporous Materials</i> , 2004, 68, 83-89.	4.4	81
15	Styrene oxidation by manganese Schiff base complexes in zeolite structures. <i>Journal of Molecular Catalysis A</i> , 2006, 258, 327-333.	4.8	80
16	EPR and electrochemical study of nickel(III) complexes of bis(3,5-dichlorosalicylaldehyde) o-phenylenediimine. Evidence for adduct formation with pyridines. <i>Inorganic Chemistry</i> , 1990, 29, 5113-5119.	4.0	79
17	Nickel(II) complexes with N ₂ OS and N ₂ S ₂ co-ordination spheres: reduction and spectroscopic study of the corresponding Ni(I) complexes. <i>Dalton Transactions RSC</i> , 2000, , 1373-1379.	2.3	79
18	Oxidative catalytic versatility of a trivacant polyoxotungstate incorporated into MIL-101(Cr). <i>Catalysis Science and Technology</i> , 2014, 4, 1416.	4.1	79

#	ARTICLE	IF	CITATIONS
19	Heterogenization of a Functionalized Copper(II) Schiff Base Complex by Direct Immobilization onto an Oxidized Activated Carbon. <i>Langmuir</i> , 2002, 18, 8017-8024.	3.5	75
20	Immobilisation of amine-functionalised nickel(II) Schiff base complexes onto activated carbon treated with thionyl chloride. <i>Microporous and Mesoporous Materials</i> , 2002, 55, 275-284.	4.4	75
21	Modulation of the catalytic activity of manganese(III) salen complexes in the epoxidation of styrene: influence of the oxygen source. <i>New Journal of Chemistry</i> , 2004, 28, 253.	2.8	74
22	One-pot synthesis of triangular gold nanoplates allowing broad and fine tuning of edge length. <i>Nanoscale</i> , 2010, 2, 2209.	5.6	73
23	A molecular tool kit for the variable design of logic operations (NOR, INH, EnNOR). <i>Chemical Communications</i> , 2006, , 2051.	4.1	70
24	Synthesis and Characterization of Benzo-15-Crown-5 Ethers with Appended N2O Schiff Bases. <i>Molecules</i> , 2003, 8, 894-900.	3.8	69
25	Chiral manganese(III) Schiff base complexes anchored onto activated carbon as enantioselective heterogeneous catalysts for alkene epoxidation. <i>Carbon</i> , 2005, 43, 2096-2105.	10.3	67
26	Efficient heterogeneous polyoxometalate-hybrid catalysts for the oxidative desulfurization of fuels. <i>Catalysis Communications</i> , 2018, 104, 1-8.	3.3	67
27	Anchoring of a nickel(II) Schiff base complex onto activated carbon mediated by cyanuric chloride. <i>Microporous and Mesoporous Materials</i> , 2001, 46, 211-221.	4.4	64
28	Zeta-Potential Measurements as a Tool To Quantify the Effect of Charged Drugs on the Surface Potential of Egg Phosphatidylcholine Liposomes. <i>Langmuir</i> , 2004, 20, 369-377.	3.5	61
29	Calix[4]azacrowns as Novel Molecular Scaffolds for the Generation of Visible and Near-Infrared Lanthanide Luminescence. <i>Inorganic Chemistry</i> , 2006, 45, 2652-2660.	4.0	60
30	Nucleoside complexing. A Raman and carbon-13 NMR spectroscopic study of the binding of hard and soft metal species. <i>Journal of the American Chemical Society</i> , 1980, 102, 916-924.	13.7	59
31	Spectroelectrochemical Characterisation of poly[Ni(saltMe)]-Modified Electrodes. <i>Chemistry - A European Journal</i> , 2001, 7, 139-150.	3.3	59
32	Activated carbons with immobilised manganese(III) salen complexes as heterogeneous catalysts in the epoxidation of olefins: influence of support and ligand functionalisation on selectivity and reusability. <i>New Journal of Chemistry</i> , 2003, 27, 1511.	2.8	59
33	Organo-functionalized activated carbons as supports for the covalent attachment of a chiral manganese(III) salen complex. <i>Carbon</i> , 2007, 45, 1951-1964.	10.3	58
34	An inhibit (INH) molecular logic gate based on 1,8-naphthalimide-sensitised europium luminescence. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 639.	2.9	57
35	Nucleoside complexing: a carbon-13 NMR spectroscopic study of binding of metal ions to guanosine and related nucleosides in solution. Evidence for O-6 binding under basic conditions. <i>Journal of the American Chemical Society</i> , 1982, 104, 461-466.	13.7	56
36	Interaction of rifampicin and isoniazid with large unilamellar liposomes: spectroscopic location studies. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003, 1620, 151-159.	2.4	56

#	ARTICLE	IF	CITATIONS
37	Novel Mn(II)-Based Metal-Organic Frameworks Isolated in Ionic Liquids. <i>Crystal Growth and Design</i> , 2013, 13, 1260-1266.	3.0	54
38	Oxidative desulfurization strategies using Keggin-type polyoxometalate catalysts: Biphasic versus solvent-free systems. <i>Catalysis Today</i> , 2019, 333, 226-236.	4.4	53
39	Partition and location of nimesulide in EPC liposomes: a spectrophotometric and fluorescence study. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 377, 293-298.	3.7	52
40	Phosphotungstates as catalysts for monoterpenes oxidation: Homo- and heterogeneous performance. <i>Catalysis Today</i> , 2013, 203, 95-102.	4.4	52
41	Anchoring of Copper(II) Acetylacetonate onto an Activated Carbon Functionalised with a Triamine. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 2027-2035.	2.0	51
42	Fluoroquinolone-metal complexes: A route to counteract bacterial resistance?. <i>Journal of Inorganic Biochemistry</i> , 2014, 138, 129-143.	3.5	51
43	Derivative spectrophotometry as a tool for the determination of drug partition coefficients in water/dimyristoyl- β -D-myo-inositol-1-phosphatidylglycerol (DMPG) liposomes. <i>Biophysical Chemistry</i> , 2001, 94, 97-106.	2.8	48
44	Copper(II) acetylacetonate anchored onto an activated carbon as a heterogeneous catalyst for the aziridination of styrene. <i>Catalysis Today</i> , 2005, 102-103, 154-159.	4.4	47
45	Influence of some anti-inflammatory drugs in membrane fluidity studied by fluorescence anisotropy measurements. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 1493-1498.	2.8	46
46	Zinc-Substituted Polyoxotungstate@amino-MIL-101(Al) - An Efficient Catalyst for the Sustainable Desulfurization of Model and Real Diesels. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5114-5122.	2.0	46
47	Electrochemical and structural studies of nickel(II) complexes with N ₂ O ₂ Schiff base ligands derived from 2-hydroxy-1-naphthaldehyde. Molecular structure of N,N'-2,3-dimethylbutane-2,3-diyl-bis(2-hydroxy-1-naphthylideneimine) nickel(II). <i>Inorganica Chimica Acta</i> , 1993, 205, 157-166.	2.4	44
48	Calibration of pH glass electrodes by direct strong acid/strong base titrations under dilute conditions. <i>Analytica Chimica Acta</i> , 2000, 405, 167-172.	5.4	43
49	Jacobsen catalyst anchored onto an activated carbon as an enantioselective heterogeneous catalyst for the epoxidation of alkenes. <i>Carbon</i> , 2004, 42, 3027-3030.	10.3	43
50	Lanthanopolyoxometalates: From the structure of polyanions to the design of functional materials. <i>Polyhedron</i> , 2013, 52, 10-24.	2.2	43
51	Synthesis and characterization of 3-hydroxy-4pyridinone-oxovanadium(IV) complexes. <i>Polyhedron</i> , 1997, 16, 789-794.	2.2	42
52	Nickel(II) and copper(II) Schiff base complexes bearing benzo-15-crown-5 functionalities as probes for spectroscopic recognition of lanthanide ions. <i>Polyhedron</i> , 2004, 23, 1401-1408.	2.2	42
53	Simultaneous aluminium oxide pillaring and copper(ii) Schiff base complexes encapsulation in a montmorillonite. <i>Journal of Materials Chemistry</i> , 2004, 14, 374.	6.7	42
54	Interaction between quinolones antibiotics and bacterial outer membrane porin OmpF. <i>Biophysical Chemistry</i> , 2005, 113, 123-128.	2.8	42

#	ARTICLE	IF	CITATIONS
55	Anchoring of a [Mn(salen)Cl] complex onto mesoporous carbon xerogels. <i>Journal of Colloid and Interface Science</i> , 2007, 311, 152-158.	9.4	42
56	Encapsulation of copper(II) complexes with pentadentate N ₃ O ₂ Schiff base ligands derived from acetylacetone in NaX zeolite. <i>Microporous and Mesoporous Materials</i> , 2000, 38, 391-401.	4.4	41
57	Zirconium organophosphonates as photoactive and hydrophobic host materials for sensitized luminescence of Eu(III), Tb(III), Sm(III) and Dy(III). <i>New Journal of Chemistry</i> , 2004, 28, 1506-1513.	2.8	41
58	Efficient eco-sustainable ionic liquid-polyoxometalate desulfurization processes for model and real diesel. <i>Applied Catalysis A: General</i> , 2017, 537, 93-99.	4.3	41
59	Modular Functional Integration of a Two-Input INH Logic Gate with a Fluorophore-Spacer-Receptor ₁ Conjugate. <i>Journal of Organic Chemistry</i> , 2008, 73, 6079-6085.	3.2	40
60	Identification of a new hexadentate iron chelator capable of restricting the intramacrophagic growth of <i>Mycobacterium avium</i> . <i>Microbes and Infection</i> , 2010, 12, 287-294.	1.9	40
61	Synthesis, characterization and antibacterial studies of a copper(II) lomefloxacin ternary complex. <i>Journal of Inorganic Biochemistry</i> , 2014, 131, 21-29.	3.5	40
62	EPR characterisation of nickel(III) complexes with N ₂ O ₂ Schiff base ligands derived from naphthaldehyde and their pyridine adducts. <i>Polyhedron</i> , 1998, 17, 4227-4235.	2.2	39
63	Interaction of Grepafloxacin with Large Unilamellar Liposomes: Partition and Fluorescence Studies Reveal the Importance of Charge Interactions. <i>Langmuir</i> , 2002, 18, 10231-10236.	3.5	38
64	Copper-containing nitrite reductase from <i>Pseudomonas chlororaphis</i> DSM 50135. Evidence for modulation of the rate of intramolecular electron transfer through nitrite binding to the type 2 copper center. <i>FEBS Journal</i> , 2004, 271, 2361-2369.	0.2	38
65	Spectroelectrochemical characterisation of copper salen-based polymer-modified electrodes. <i>Electrochimica Acta</i> , 2005, 51, 304-314.	5.2	38
66	Synthesis, spectroscopic and electrochemical study of nickel(II) complexes with tetradentate asymmetric Schiff bases derived from salicylaldehyde and methyl-2-amino-1-cyclopentenedithiocarboxylate. <i>Inorganica Chimica Acta</i> , 1998, 271, 83-92.	2.4	37
67	Desulfurization process conciliating heterogeneous oxidation and liquid extraction: Organic solvent or centrifugation/water?. <i>Applied Catalysis A: General</i> , 2017, 542, 359-367.	4.3	37
68	Large-pore silica spheres as support for samarium-coordinated undecamolybdophosphate: Oxidative desulfurization of diesels. <i>Fuel</i> , 2020, 259, 116213.	6.4	37
69	A Fast and reliable spectroscopic method for the determination of membrane-water partition coefficients of organic compounds. <i>Lipids</i> , 2001, 36, 89-96.	1.7	36
70	Improving the Catalytic Performance of Keggin [PW ₁₂ O ₄₀] ³⁻ for Oxidative Desulfurization: Ionic Liquids versus SBA-15 Composite. <i>Materials</i> , 2018, 11, 1196.	2.9	36
71	Synthesis, spectroscopic and electrochemical study of nickel(II) and (-I) complexes with Schiff-base ligands giving a N ₂ O ₂ co-ordination sphere. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 629-636.	1.1	34
72	Styrene epoxidation catalysed by manganese(III) salen complex supported on activated carbons. <i>Applied Catalysis A: General</i> , 2005, 285, 110-118.	4.3	34

#	ARTICLE	IF	CITATIONS
73	Straightforward activation of metal-organic framework UiO-66 for oxidative desulfurization processes. <i>Catalysis Today</i> , 2021, 362, 28-34.	4.4	34
74	Spectrophotometric determination of drug partition coefficients in dimyristoyl- β -phosphatidylcholine/water: a comparative study using phase separation and liposome suspensions. <i>Analytica Chimica Acta</i> , 2001, 428, 103-109.	5.4	33
75	Epoxidation of styrene by a manganese(III) salen complex encapsulated in an aluminium pillared clay. <i>New Journal of Chemistry</i> , 2004, 28, 853-858.	2.8	33
76	Solution studies on binary and ternary complexes of copper(II) with some fluoroquinolones and 1,10-phenanthroline: Antimicrobial activity of ternary metalloantibiotics. <i>International Journal of Pharmaceutics</i> , 2007, 334, 129-136.	5.2	33
77	An efficient eco-sustainable oxidative desulfurization process using μ_4 -oxo-bridged Fe(III) complex of meso-tetrakis(pentafluorophenyl)porphyrin. <i>Applied Catalysis A: General</i> , 2014, 478, 267-274.	4.3	33
78	Insights into the electrochemical behaviour of composite materials: Monovacant polyoxometalates @ porous metal-organic framework. <i>Electrochimica Acta</i> , 2013, 87, 853-859.	5.2	32
79	On the prosthetic groups of the NiFe sulfhydrogenase from <i>Pyrococcus furiosus</i> : topology, structure, and temperature-dependent redox chemistry. <i>Journal of Biological Inorganic Chemistry</i> , 1999, 4, 284-291.	2.6	31
80	Interaction of drugs with hexadecylphosphocholine micelles. Derivative spectroscopy, acid-base and solubility studies. <i>Materials Science and Engineering C</i> , 2001, 18, 71-78.	7.3	31
81	Microwave-Assisted Synthesis and Spectroscopic Properties of α -Substituted Rosamine Fluorophores and Naphthyl Analogues. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 5810-5817.	2.4	31
82	Study of partition of nitrazepam in bile salt micelles and the role of lecithin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 24, 595-602.	2.8	30
83	Reductive electrochemical study of Ni(II) complexes with N ₂ O ₂ Schiff base complexes and spectroscopic characterisation of the reduced species. Reactivity towards CO. <i>Polyhedron</i> , 2002, 21, 1695-1705.	2.2	30
84	Mn(III) salen complex immobilised into pillared clays by in situ and simultaneous pillaring/encapsulation procedures. <i>Microporous and Mesoporous Materials</i> , 2005, 86, 295-302.	4.4	30
85	Novel 3-hydroxy-4-pyridinonato oxidovanadium(IV) complexes to investigate structure/activity relationships. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 496-502.	3.5	30
86	Discrimination of fluorescence light-up effects induced by pH and metal ion chelation on a spirocyclic derivative of rhodamine B. <i>Dalton Transactions</i> , 2013, 42, 6110.	3.3	30
87	Structural study of the interaction of vanadate with the ligand 1,2-dimethyl-3-hydroxy-4-pyridinone (Hdmpp) in aqueous solution. <i>Journal of Inorganic Biochemistry</i> , 2000, 80, 177-179.	3.5	29
88	Location and partition coefficients of anti-inflammatory drugs in EPC liposomes. A fluorescence quenching study using n-(9-anthroyloxy)-stearic probes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 190, 205-212.	4.7	29
89	Efficient Oxidative Desulfurization Processes Using Polyoxomolybdate Based Catalysts. <i>Energies</i> , 2018, 11, 1696.	3.1	29
90	Partition coefficients of β -blockers in bile salt/lecithin micelles as a tool to assess the role of mixed micelles in gastrointestinal absorption. <i>Biophysical Chemistry</i> , 2001, 90, 31-43.	2.8	28

#	ARTICLE	IF	CITATIONS
91	The influence of 1-alkyl-3-methyl imidazolium ionic liquids on a series of cobalt-1,4-benzenedicarboxylate metal-organic frameworks. <i>CrystEngComm</i> , 2014, 16, 10649-10657.	2.6	28
92	Acid-base properties and solubility of pindolol, diazepam and chlordiazepoxide in SDS micelles. <i>International Journal of Pharmaceutics</i> , 1999, 187, 67-75.	5.2	27
93	Study of the oxidation products of the VO(dmpp) ₂ complex in aqueous solution under aerobic conditions: comparison with the vanadate-dmpp system. <i>Inorganica Chimica Acta</i> , 2003, 356, 142-154.	2.4	27
94	Anchoring of organic molecules onto activated carbon. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 189, 75-84.	4.7	25
95	(Salen)nickel-Catalysed Epoxidations in the Homogeneous and Heterogeneous Phase: The Implications of Oxygen on the Efficiency and Product Selectivity. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 4272-4279.	2.0	25
96	Nickel(II) and Cobalt(II) 3-Hydroxy-4-pyridinone Complexes: Synthesis, Characterization and Speciation Studies in Aqueous Solution. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 131-140.	2.0	25
97	Sustainable Desulfurization Processes Catalyzed by Titanium-Polyoxometalate@TM-SBA-15. <i>Topics in Catalysis</i> , 2017, 60, 1140-1150.	2.8	25
98	Influence of UiO-66(Zr) Preparation Strategies in Its Catalytic Efficiency for Desulfurization Process. <i>Materials</i> , 2019, 12, 3009.	2.9	25
99	Multinuclear NMR and potentiometric studies on the interaction of zinc and cadmium with cytidine and glycylglycine. The effect of the anion. <i>Journal of Inorganic Biochemistry</i> , 1992, 45, 53-64.	3.5	23
100	Acid/Base Properties of β -Blockers and Benzodiazepines in Sodium Dodecyl Sulfate Micelles. A Spectrophotometric and Potentiometric Study. <i>Journal of Pharmaceutical Sciences</i> , 1998, 87, 356-359.	3.3	23
101	Ground State Modulation in Nickel(III) Chemistry by Controlling Axial Ligation in Complexes with N ₃ O ₂ Pentadentate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 1483-1493.	2.0	23
102	Microwave-assisted synthesis of 3-hydroxy-4-pyridinone/naphthalene conjugates. Structural characterization and selection of a fluorescent ion sensor. <i>Tetrahedron</i> , 2010, 66, 8544-8550.	1.9	23
103	Isoxazolidine-fused meso-tetraarylchlorins as key tools for the synthesis of mono- and bis-annulated chlorins. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7131-7135.	2.8	23
104	A novel self-indicative vesicle based on a iron(ii) complex. <i>Chemical Communications</i> , 2001, , 1298-1299.	4.1	22
105	Sensitivity of P-glycoprotein tryptophan residues to benzodiazepines and ATP interaction. <i>Biophysical Chemistry</i> , 2007, 125, 143-150.	2.8	22
106	Coordination chemistry of 7,9-disubstituted 6-oxopurine metal compounds. 3. Platinum(II) coordination at N(1). Molecular and crystal structure of (diethylenetriamine)(7,9-dimethylguanine)platinum(II) hexafluorophosphate and (diethylenetriamine)(7,9-dimethylhypoxanthine)platinum(II) hexafluorophosphate sesquihydrate. <i>Inorganic Chemistry</i> , 1981, 20, 1835-1844.	4.0	21
107	Development of Novel Pillared Clays for the Encapsulation of Inorganic Complexes. <i>Langmuir</i> , 2004, 20, 2861-2866.	3.5	21
108	A novel red emitting material based on polyoxometalate@periodic mesoporous organosilica. <i>Microporous and Mesoporous Materials</i> , 2016, 234, 248-256.	4.4	21

#	ARTICLE	IF	CITATIONS
109	Metal ion binding to cytidine in solution. Compelling Raman and carbon-13 nuclear magnetic resonance spectral evidence for coordination to the exocyclic oxygen at position 2. <i>Journal of the American Chemical Society</i> , 1978, 100, 3967-3968.	13.7	20
110	Photochemistry of nickel salen based complexes and relevance to catalysis. <i>New Journal of Chemistry</i> , 2002, 26, 405-410.	2.8	20
111	Encapsulation of Copper(II) Complexes with Pentadentate N3O2 Schiff Base Ligands in a Pillared Layered Clay. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 3032-3038.	2.0	20
112	Antibacterial activity of naphthyl derived bis-(3-hydroxy-4-pyridinonate) copper(II) complexes against multidrug-resistant bacteria. <i>Journal of Inorganic Biochemistry</i> , 2019, 197, 110704.	3.5	20
113	Comparative analysis of the electronic and EPR spectra of copper(II) and nickel(II) complexes; insights into nickel(II) electronic structure. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 1557-1562.	1.1	19
114	Fluorimetric and solubility studies of nadolol and atenolol in SDS micelles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998, 18, 573-577.	2.8	19
115	Influence of structural factors on the enhanced activity of moxifloxacin: a fluorescence and EPR spectroscopic study. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1543-1552.	3.7	19
116	Improved catalytic performance of porous metal-organic frameworks for the ring opening of styrene oxide. <i>CrystEngComm</i> , 2017, 19, 4219-4226.	2.6	19
117	A sustainable peroxophosphomolybdate/H ₂ O ₂ system for the oxidative removal of organosulfur compounds from simulated and real high-sulfur diesels. <i>Applied Catalysis A: General</i> , 2020, 589, 117154.	4.3	19
118	Spectroscopic and magnetic properties of high spin chromium(II) and copper(II) complexes with bidentate 1,1'-diimine ligands: 2,2'-pyridylbenzimidazole; 2,2'-pyridylimidazole and 2,2'-pyridylimidazole. <i>Polyhedron</i> , 1991, 10, 2541-2549.	1.1	18
119	Preparation and structure of cis-[(ethylenediamine)bis(1,3,9-trimethylxanthine)platinum(II)] nitrate dihydrate and cis-[(ethylenediamine)bis(1,3,9-trimethylxanthine)platinum(II)] hexafluorophosphate. Effect of intramolecular and intermolecular interactions on molecular conformation in the solid state. <i>Inorganic Chemistry</i> , 1982, 21, 813-821.	4.0	17
120	An Effective Hybrid Heterogeneous Catalyst to Desulfurize Diesel: Peroxotungstate@Metal-Organic Framework. <i>Molecules</i> , 2020, 25, 5494.	3.8	17
121	Photolysis Primary Products of Alkylcobaloximes Controlled by the Cobalt-Carbon Bond Strength. <i>Organometallics</i> , 1999, 18, 3451-3456.	2.3	16
122	Novel tetradentate chelators derived from 3-hydroxy-4-pyridinone units: synthesis, characterization and aqueous solution properties. <i>Tetrahedron</i> , 2011, 67, 4009-4016.	1.9	16
123	Catalytic performance of a boron peroxotungstate complex under homogeneous and heterogeneous conditions. <i>Catalysis Today</i> , 2013, 203, 87-94.	4.4	15
124	Polyoxometalate@Periodic mesoporous organosilicas as active materials for oxidative desulfurization of diesels. <i>Microporous and Mesoporous Materials</i> , 2020, 302, 110193.	4.4	15
125	Decomposition of chemically and electrochemically generated nickel(III) complexes with N ₂ O ₂ Schiff-base ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 571.	1.1	14
126	Electron spin resonance study of the cobalt(II) species formed after room-temperature photolysis of aqua(sec-butyl)bis(dimethylglyoximate)cobalt(III) in the presence of N-donor bases. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 369.	1.1	14

#	ARTICLE	IF	CITATIONS
127	Synthesis and coordination studies of 5-(4- carboxyphenyl)-10,15,20-tris(pentafluorophenyl)porphyrin and its pyrrolidine-fused chlorin derivative. <i>New Journal of Chemistry</i> , 2018, 42, 8169-8179.	2.8	14
128	Determination of the pKa values of sparingly soluble substances in water revisited: application to some benzodiazepines. <i>Analytica Chimica Acta</i> , 1993, 281, 53-62.	5.4	13
129	Isolation and spectroscopic characterization of the membrane-bound nitrate reductase from <i>Pseudomonas chlororaphis</i> DSM 50135. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005, 1723, 151-162.	2.4	13
130	AFM and Electron Microscopy Study of the Unusual Aggregation Behavior of Metallosurfactants Based on Iron(II) Complexes with Bipyridine Ligands. <i>Langmuir</i> , 2007, 23, 7951-7957.	3.5	13
131	1,3-Dipolar cycloadditions with meso-tetraarylchlorins $\hat{\text{a}}\text{e}$ site selectivity and mixed bisadducts. <i>Organic Chemistry Frontiers</i> , 2017, 4, 534-544.	4.5	13
132	EPR characterization of the photolysis and thermolysis products of alkylcobaloximes with symmetric phosphines and phosphites. Factors that stabilize the cobalt homolysis fragments. <i>Organometallics</i> , 1991, 10, 3848-3855.	2.3	12
133	Catalytic Properties of a MnIII-Salen Complex Immobilised in a Pillared Clay by Simultaneous Pillaring/Encapsulation Procedures. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 837-844.	2.0	12
134	Use of a porphyrin platform and 3,4-HPO chelating units to synthesize ligands with N4 and O4 coordination sites. <i>Tetrahedron</i> , 2011, 67, 7821-7828.	1.9	12
135	Effective Zinc-Substituted Keggin Composite To Catalyze the Removal of Sulfur from Real Diesels under a Solvent-Free System. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 18540-18549.	3.7	12
136	Structures of two N(1)-bound platinum(II)-6-oxopurine complexes. Comparisons with complexes derived from platinum(II) anti-tumor agents. <i>Biochemical and Biophysical Research Communications</i> , 1979, 91, 1521-1527.	2.1	11
137	Coordination chemistry of 7,9-disubstituted 6-oxopurine metal compounds. 4. Platinum(II) coordination at N(1). Molecular and crystal structure of [(ethylenediamine)bis(7,9-dimethylhypoxanthine)platinum(II)] hexafluorophosphate. <i>Journal of Inorganic Biochemistry</i> , 1982, 16, 33-46.	3.5	11
138	$\hat{\text{i}}\text{2}$ -Blockers and benzodiazepines location in SDS and bile salt micellar systems. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 45, 62-69.	2.8	11
139	New hydrophilic 3-hydroxy-4-pyridinone chelators with ether-derived substituents: Synthesis and evaluation of analytical performance in the determination of iron in waters. <i>Polyhedron</i> , 2019, 160, 145-156.	2.2	11
140	Synergistic combination of the nanoporous system of MOF-808 with a polyoxomolybdate to design an effective catalyst: simultaneous oxidative desulfurization and denitrogenation processes. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4032-4040.	4.9	11
141	A simple desulfurization process to achieve high efficiency, sustainability and cost-effectivity via peroxotungstate catalyst. <i>Molecular Catalysis</i> , 2021, 505, 111515.	2.0	11
142	An electron spin resonance spectral study of bis(dimethylglyoximato)-cobalt(II) and some phosphine and phosphite adducts. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 3311.	1.1	10
143	Two azurins with unusual redox and spectroscopic properties isolated from the <i>Pseudomonas chlororaphis</i> strains DSM 50083T and DSM 50135. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 276-286.	3.5	10
144	A Fluorescent and Phosphorescent Nanoporous Solid: Crystalline Calix[4]arene. <i>Journal of Fluorescence</i> , 2008, 18, 1123-1129.	2.5	10

#	ARTICLE	IF	CITATIONS
145	Synthesis, spectroscopic, electrochemical and structural characterization of Cu(II) complexes with asymmetric NNâ€²OS coordination spheres. <i>Polyhedron</i> , 2008, 27, 335-343.	2.2	10
146	Flurazepam inhibits the P-glycoprotein transport function: An insight to revert multidrug-resistance phenotype. <i>European Journal of Pharmacology</i> , 2008, 581, 30-36.	3.5	10
147	Effects of fluorine substitution on the solvatochromic behaviour of an iron(II)â€²cyanide Schiff base complex. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 3071-3075.	1.7	9
148	Title is missing!. <i>Transition Metal Chemistry</i> , 2000, 25, 283-286.	1.4	9
149	Photolysis Secondary Products of Cobaloximes and Imino/Oxime Compounds Controlled by Steric Hindrance Imposed by the Lewis Base. <i>Organometallics</i> , 2005, 24, 3500-3507.	2.3	9
150	Redox behaviour, electrochromic properties and photoluminescence of potassium lanthano phosphomolybdate sandwich-type compounds. <i>RSC Advances</i> , 2013, 3, 16697.	3.6	9
151	NMR study of the interaction of fluorescent 3-hydroxy-4-pyridinone chelators with DMPC liposomes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5027-5033.	2.8	9
152	Lindqvist versus Keggin-Type Polyoxometalates as Catalysts for Effective Desulfurization of Fuels. <i>Catalysts</i> , 2022, 12, 581.	3.5	9
153	Diaqua{6,6â€²-dimethoxy-2,2â€²-[propane-1,3-diylbis(nitrilomethylidene-N)]diphenolato-O,Oâ€²}nickel(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 1201-1203.	0.4	8
154	The Influence of the Amide Linkage in the Fe^{III}â€²Binding Properties of Catecholâ€²Modified Rosamine Derivatives. <i>Chemistry - A European Journal</i> , 2015, 21, 15692-15704.	3.3	8
155	Removing Simultaneously Sulfur and Nitrogen from Fuel under a Sustainable Oxidative Catalytic System. <i>Sustainable Chemistry</i> , 2021, 2, 382-391.	4.7	8
156	A new class of composite materials: Matrix auto-reinforced organic materialâ€²MARIOM. <i>Journal of Materials Research</i> , 1992, 7, 1990-1992.	2.6	7
157	Potentiometric determination of formation constants of copper(II)/bile acid/peptide in aqueous solution. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1995, 13, 465-470.	2.8	7
158	SYNTHESIS, SPECTROSCOPIC AND ELECTROCHEMICAL CHARACTERISATION OF NICKEL COMPLEXES WITH TWO N₂O TRIDENTATE, UNSYMMETRICAL SCHIFF BASE LIGANDS. <i>Journal of Coordination Chemistry</i> , 2001, 54, 1-12.	2.2	7
159	Synthesis of gold nanocubes in aqueous solution with remarkable shape-selectivity. <i>Journal of Porphyrins and Phthalocyanines</i> , 2011, 15, 441-448.	0.8	7
160	EPR spin trapping studies of H2O2 activation in metaloporphyrin catalyzed oxygenation reactions: Insights on the biomimetic mechanism. <i>Molecular Catalysis</i> , 2019, 475, 110500.	2.0	7
161	Mesoporous Silica vs. Organosilica Composites to Desulfurize Diesel. <i>Frontiers in Chemistry</i> , 2019, 7, 756.	3.6	7
162	Biomimetic Oxidation of Benzofurans with Hydrogen Peroxide Catalyzed by Mn(III) Porphyrins. <i>Catalysts</i> , 2020, 10, 62.	3.5	7

#	ARTICLE	IF	CITATIONS
163	A nickel complex with a tetradentate N ₂ S ₂ Schiff base ligand. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 1061-1063.	0.4	6
164	Synthesis and spectroscopic characterization of a new tripodal hexadentate iron chelator incorporating catechol units. <i>Polyhedron</i> , 2015, 87, 1-7.	2.2	6
165	Characterization of the photolysis products of <i>sec</i> -butylcobaloximes with imidazole and benzimidazole bases. <i>Journal of Organometallic Chemistry</i> , 2001, 632, 85-93.	1.8	5
166	Microwave-Enhanced Synthesis of Novel Pyridinone-Fused Porphyrins. <i>Synlett</i> , 2009, 2009, 1009-1013.	1.8	5
167	Spectroscopic and Magnetic Properties of Low Spin Chromium(II) Tris Complexes with the Bidentate \pm -Diimine Ligands: 2,2'-Pyridylbenzimidazole, 2,2'-Pyridylimidazole and 2,2'-Pyridylimidazoline. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 1990, 20, 1-12.	1.8	4
168	Acetato(<i>N</i> -phenylpyridine-2-carboxamidato) λ^2 (<i>N</i> , <i>N</i> ')(<i>N</i> -phenylpyridine-2-carboxamido) λ^2 Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, m293-m296.	0.4	4
169	Benzodiazepine-Mediated Structural Changes in the Multidrug Transporter P-Glycoprotein: An Intrinsic Fluorescence Quenching Analysis. <i>Journal of Membrane Biology</i> , 2008, 223, 117-125.	2.1	4
170	EPR Study of the Photolysis of Methyl- and Adenosylcobinamides in the Presence of Phosphine and Pyridine Bases. Evidence for the Need of a Judicious Choice of Irradiation Temperature and Solvent to Assess Ligand Binding. <i>Organometallics</i> , 2008, 27, 2536-2543.	2.3	4
171	Study of the effect of thiourea and N-ethyl groups on antibacterial activity of rhodamine-labeled 3,4-HPO iron chelators against Gram (+) bacteria. <i>Medicinal Chemistry Research</i> , 2018, 27, 1472-1477.	2.4	4
172	Solvent-Free Desulfurization System to Produce Low-Sulfur Diesel Using Hybrid Monovacant Keggin-Type Catalyst. <i>Molecules</i> , 2020, 25, 4961.	3.8	4
173	Formation and decomposition study of electrochemically-generated nickel(III) complexes in aqueous solution (notable = 1,4,7-triazacyclononane-N ₃ ,N ₃ -triacetate). <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 2041-2044.	1.1	3
174	(1,4-Dioxane-O){3,3',5,5'-tetrachloro-2,2'-[4-methyl-4-azaheptane-1,7-diylbis(nitrilomethylidyne-N)]diphenolato-O,O'}nickel(II), [Ni(3,5-Cl ₄ salMetrien)]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1999, 55, 1425-1427.	0.4	3
175	EPR Characterization of the Products Formed after Photolysis of [CoIII(Salen)(CH ₃)(H ₂ O)] and [CoIII(SaltMe)(CH ₃)(H ₂ O)] in the Presence of N- and P-donor Bases. <i>Inorganic Chemistry</i> , 2000, 39, 1994-1997.	4.0	3
176	Design of a Water Soluble Fluorescent 3-Hydroxy-4-Pyridinone Ligand Active at Physiological pH Values. <i>Journal of Fluorescence</i> , 2016, 26, 1773-1785.	2.5	3
177	Synthesis and characterization of two fluorescent isophthalate rosamines: From solution to immobilization in solid substrates. <i>Dyes and Pigments</i> , 2018, 157, 405-414.	3.7	3
178	EPR and XANES studies of anaerobic photolysis of iso-propylpyridinocobaloxime: Elucidation of the reactivity of the Co(II) primary product. <i>Journal of Organometallic Chemistry</i> , 2014, 760, 11-18.	1.8	2
179	From Discrete Complexes to Metal-Organic Layered Materials: Remarkable Hydrogen Bonding Frameworks. <i>Molecules</i> , 2020, 25, 1353.	3.8	2
180	Insights on the relationship between structure vs. toxicological activity of antibacterial rhodamine-labelled 3-hydroxy-4-pyridinone iron(III) chelators in HepG2 cells. <i>Interdisciplinary Toxicology</i> , 2018, 11, 189-199.	1.0	2

#	ARTICLE	IF	CITATIONS
181	Copper(II) increases bile acid binding to asparagine. Journal of Pharmaceutical and Biomedical Analysis, 1998, 16, 771-776.	2.8	1
182	A method for functional mouse MDR3 P-glycoprotein reconstitution in Escherichia coli lipids. Analytical Biochemistry, 2005, 338, 350-353.	2.4	1
183	Porous Metal-Organic Framework Materials: Microwave Assisted Synthesis and Oxidative Catalytic Tests. Materials Science Forum, 0, 730-732, 1024-1029.	0.3	1
184	Multidimensional Ln-Aminophthalate Photoluminescent Coordination Polymers. Materials, 2021, 14, 1786.	2.9	1
185	Polyoxometalates-Based Nanocatalysts for Production of Sulfur-Free Diesel. Advances in Chemical and Materials Engineering Book Series, 2016, , 426-458.	0.3	1
186	Manganese Mono-Substituted Borotungstate: Characterization and Catalytic Application. Materials Science Forum, 2012, 730-732, 975-980.	0.3	0
187	Polyoxometalates-Based Nanocatalysts and Their Efficiency for Production of Sulfur-Free Diesel. Advances in Chemical and Materials Engineering Book Series, 2020, , 92-133.	0.3	0