

Baltazar de Castro

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187
papers

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43
h-index

59
g-index

188
ext. papers

5,751
ext. citations

4.3
avg, IF

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L-index

#	Paper	IF	Citations
187	Noninvasive methods to determine the critical micelle concentration of some bile acid salts. <i>Analytical Biochemistry</i> , 2004 , 334, 117-26	3.1	128
186	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	114
185	New Insights into the Structure and Properties of Electroactive Polymer Films Derived from [Ni(salen)]. <i>Inorganic Chemistry</i> , 1997 , 36, 4919-4929	5.1	114
184	Enzymes of hydrogen metabolism in <i>Pyrococcus furiosus</i> . <i>FEBS Journal</i> , 2000 , 267, 6541-51		113
183	Catalytic oxidative/extractive desulfurization of model and untreated diesel using hybrid based zinc-substituted polyoxometalates. <i>Fuel</i> , 2016 , 166, 268-275	7.1	93
182	Monovacant polyoxometalates incorporated into MIL-101(Cr): novel heterogeneous catalysts for liquid phase oxidation. <i>Applied Catalysis A: General</i> , 2013 , 453, 316-326	5.1	90
181	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		88
180	Production of ultra-deep sulfur-free diesels using a sustainable catalytic system based on UiO-66(Zr). <i>Chemical Communications</i> , 2015 , 51, 13818-21	5.8	78
179	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	5.3	78
178	Nickel(II) complexes with N ₂ O ₂ 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		77
177	Deep oxidative desulfurization of diesel fuels using homogeneous and SBA-15-supported peroxophosphotungstate catalysts. <i>Fuel</i> , 2019 , 241, 616-624	7.1	75
176	Electrochemical and X-ray studies of nickel(II) Schiff base complexes derived from salicylaldehyde: Structural effects of bridge substituents on the stabilisation of the +3 oxidation state. <i>Polyhedron</i> , 2000 , 19, 655-664	2.7	74
175	Styrene oxidation by manganese Schiff base complexes in zeolite structures. <i>Journal of Molecular Catalysis A</i> , 2006 , 258, 327-333		73
174	Electrochemical and structural studies of nickel(II) complexes with N ₂ O ₂ Schiff base ligands 2. Crystal and molecular structure of N,N'-1,2-ethane-1,2-diyl-bis(2-hydroxyacetophenonylideneimine)nickel(II), N, N'-1,2-cis-cyclohexane-1,2-diyl-bis(2-hydroxyacetophenonylideneimine)-nickel(II) and	2.7	73
173	Oxidative catalytic versatility of a trivacant polyoxotungstate incorporated into MIL-101(Cr). <i>Catalysis Science and Technology</i> , 2014 , 4, 1416	5.5	71
172	Heterogenization of a Functionalized Copper(II) Schiff Base Complex by Direct Immobilization onto an Oxidized Activated Carbon. <i>Langmuir</i> , 2002 , 18, 8017-8024	4	71
171	Synthesis, characterization and antibacterial studies of a copper(II) levofloxacin ternary complex. <i>Journal of Inorganic Biochemistry</i> , 2012 , 110, 64-71	4.2	70

170	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	5.3	68
169	A molecular tool kit for the variable design of logic operations (NOR, INH, EnNOR). <i>Chemical Communications</i> , 2006 , 2051-3	5.8	67
168	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	3.6	67
167	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	5.1	65
166	One-pot synthesis of triangular gold nanoplates allowing broad and fine tuning of edge length. <i>Nanoscale</i> , 2010 , 2, 2209-16	7.7	62
165	Synthesis and Characterization of Benzo-15-Crown-5 Ethers with Appended N2O Schiff Bases. <i>Molecules</i> , 2003 , 8, 894-900	4.8	62
164	Chiral manganese(III) Schiff base complexes anchored onto activated carbon as enantioselective heterogeneous catalysts for alkene epoxidation. <i>Carbon</i> , 2005 , 43, 2096-2105	10.4	61
163	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	5.3	60
162	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	3.6	57
161	Calix[4]azacrowns as novel molecular scaffolds for the generation of visible and near-infrared lanthanide luminescence. <i>Inorganic Chemistry</i> , 2006 , 45, 2652-60	5.1	56
160	Catalytic performance and electrochemical behaviour of Metal-Organic frameworks: MIL-101(Fe) versus NH2-MIL-101(Fe). <i>Polyhedron</i> , 2017 , 127, 464-470	2.7	55
159	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	16.4	55
158	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, 369-77	4	54
157	Organo-functionalized activated carbons as supports for the covalent attachment of a chiral manganese(III) salen complex. <i>Carbon</i> , 2007 , 45, 1951-1964	10.4	53
156	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	16.4	51
155	Efficient heterogeneous polyoxometalate-hybrid catalysts for the oxidative desulfurization of fuels. <i>Catalysis Communications</i> , 2018 , 104, 1-8	3.2	49
154	Novel Mn(II)-Based Metal-Organic Frameworks Isolated in Ionic Liquids. <i>Crystal Growth and Design</i> , 2013 , 13, 1260-1266	3.5	49
153	Anchoring of Copper(II) Acetylacetonate onto an Activated Carbon Functionalised with a Triamine. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 2027-2035	2.3	49

152	Partition and location of nimesulide in EPC liposomes: a spectrophotometric and fluorescence study. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 377, 293-8	4.4	49
151	Interaction of rifampicin and isoniazid with large unilamellar liposomes: spectroscopic location studies. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003 , 1620, 151-9	4	49
150	An inhibit (INH) molecular logic gate based on 1,8-naphthalimide-sensitised europium luminescence. <i>Photochemical and Photobiological Sciences</i> , 2004 , 3, 639-42	4.2	48
149	Phosphotungstates as catalysts for monoterpenes oxidation: Homo- and heterogeneous performance. <i>Catalysis Today</i> , 2013 , 203, 95-102	5.3	46
148	Spectroelectrochemical characterisation of poly[Ni(saltMe)]-modified electrodes. <i>Chemistry - A European Journal</i> , 2001 , 7, 139-50	4.8	46
147	Derivative spectrophotometry as a tool for the determination of drug partition coefficients in water/dimyristoyl-L-alpha-phosphatidylglycerol (DMPC) liposomes. <i>Biophysical Chemistry</i> , 2001 , 94, 97-106	2.5	44
146	Fluoroquinolone-metal complexes: a route to counteract bacterial resistance?. <i>Journal of Inorganic Biochemistry</i> , 2014 , 138, 129-143	4.2	43
145	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	5.3	43
144	Jacobsen catalyst anchored onto an activated carbon as an enantioselective heterogeneous catalyst for the epoxidation of alkenes. <i>Carbon</i> , 2004 , 42, 3027-3030	10.4	42
143	Influence of some anti-inflammatory drugs in membrane fluidity studied by fluorescence anisotropy measurements. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 1493-1498	3.6	42
142	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	2.2	41
141	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	2.7	41
140	Simultaneous aluminium oxide pillaring and copper(II) Schiff base complexes encapsulation in a montmorillonite. <i>Journal of Materials Chemistry</i> , 2004 , 14, 374		40
139	Calibration of pH glass electrodes by direct strong acid/strong base titrations under dilute conditions. <i>Analytica Chimica Acta</i> , 2000 , 405, 167-172	6.6	40
138	Identification of a new hexadentate iron chelator capable of restricting the intramacrophagic growth of Mycobacterium avium. <i>Microbes and Infection</i> , 2010 , 12, 287-94	9.3	39
137	Encapsulation of copper(II) complexes with pentadentate N3O2 Schiff base ligands derived from acetylacetonate in NaX zeolite. <i>Microporous and Mesoporous Materials</i> , 2000 , 38, 391-401	5.3	39
136	Modular functional integration of a two-input INH logic gate with a fluorophore-spacer-receptor1-spacer-receptor2 conjugate. <i>Journal of Organic Chemistry</i> , 2008 , 73, 6079-85	4.2	38
135	Interaction between quinolones antibiotics and bacterial outer membrane porin OmpF. <i>Biophysical Chemistry</i> , 2005 , 113, 123-8	3.5	38

134	Lanthanopolyoxometalates: From the structure of polyanions to the design of functional materials. <i>Polyhedron</i> , 2013 , 52, 10-24	2.7	37
133	Epr characterisation of nickel (III) complexes with N2O2 Schiff base ligands derived from naphthaldehyde and their pyridine adducts. <i>Polyhedron</i> , 1998 , 17, 4227-4235	2.7	37
132	Anchoring of a [Mn(salen)Cl] complex onto mesoporous carbon xerogels. <i>Journal of Colloid and Interface Science</i> , 2007 , 311, 152-8	9.3	37
131	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	3.6	37
130	Interaction of Grepafloxacin with Large Unilamellar Liposomes: Partition and Fluorescence Studies Reveal the Importance of Charge Interactions. <i>Langmuir</i> , 2002 , 18, 10231-10236	4	37
129	Efficient eco-sustainable ionic liquid-polyoxometalate desulfurization processes for model and real diesel. <i>Applied Catalysis A: General</i> , 2017 , 537, 93-99	5.1	36
128	Synthesis and characterization of 3-hydroxy-4pyridinone-oxovanadium(IV) complexes. <i>Polyhedron</i> , 1997 , 16, 789-794	2.7	36
127	A fast and reliable spectroscopic method for the determination of membrane-water partition coefficients of organic compounds. <i>Lipids</i> , 2001 , 36, 89-96	1.6	36
126	Spectroelectrochemical characterisation of copper salen-based polymer-modified electrodes. <i>Electrochimica Acta</i> , 2005 , 51, 304-314	6.7	35
125	Electrochemical and structural studies of nickel(II) complexes with N2O2 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	2.7	35
124	Synthesis, characterization and antibacterial studies of a copper(II) lomefloxacin ternary complex. <i>Journal of Inorganic Biochemistry</i> , 2014 , 131, 21-9	4.2	34
123	Oxidative desulfurization strategies using Keggin-type polyoxometalate catalysts: Biphasic versus solvent-free systems. <i>Catalysis Today</i> , 2019 , 333, 226-236	5.3	33
122	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	2.7	32
121	Styrene epoxidation catalysed by manganese(III) salen complex supported on activated carbons. <i>Applied Catalysis A: General</i> , 2005 , 285, 110-118	5.1	32
120	Spectrophotometric determination of drug partition coefficients in dimyristoyl-l- α -phosphatidylcholine/water: a comparative study using phase separation and liposome suspensions. <i>Analytica Chimica Acta</i> , 2001 , 428, 103-109	6.6	32
119	Synthesis, spectroscopic and electrochemical study of nickel-(II) and -(I) complexes with Schiff-base ligands giving a NN π OS co-ordination sphere. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998 , 629-636		31
118	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	3.6	30
117	Insights into the electrochemical behaviour of composite materials: Monovacant polyoxometalates @ porous metal-organic framework. <i>Electrochimica Acta</i> , 2013 , 87, 853-859	6.7	29

116	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, 129-36	6.5	29
115	Copper-containing nitrite reductase from <i>Pseudomonas chlororaphis</i> DSM 50135. <i>FEBS Journal</i> , 2004 , 271, 2361-9		29
114	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, 284-91	3.7	29
113	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	5.3	28
112	Interaction of drugs with hexadecylphosphocholine micelles. Derivative spectroscopy, acid-base and solubility studies. <i>Materials Science and Engineering C</i> , 2001 , 18, 71-78	8.3	28
111	Desulfurization process conciliating heterogeneous oxidation and liquid extraction: Organic solvent or centrifugation/water?. <i>Applied Catalysis A: General</i> , 2017 , 542, 359-367	5.1	27
110	Microwave-Assisted Synthesis and Spectroscopic Properties of 4?-Substituted Rosamine Fluorophores and Naphthyl Analogues. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 5810-5817	3.2	27
109	Novel 3-hydroxy-4-pyridinonato oxidovanadium(IV) complexes to investigate structure/activity relationships. <i>Journal of Inorganic Biochemistry</i> , 2009 , 103, 496-502	4.2	27
108	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	3.5	27
107	Structural study of the interaction of vanadate with the ligand 1,2-dimethyl-3-hydroxy-4-pyridinone (Hdmp) in aqueous solution. <i>Journal of Inorganic Biochemistry</i> , 2000 , 80, 177-9	4.2	27
106	Partition coefficients of beta-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	3.5	26
105	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	5.1	26
104	Improving the Catalytic Performance of Keggin [PWO] for Oxidative Desulfurization: Ionic Liquids versus SBA-15 Composite. <i>Materials</i> , 2018 , 11,	3.5	24
103	An efficient eco-sustainable oxidative desulfurization process using Exo-bridged Fe(III) complex of meso-tetrakis(pentafluorophenyl)porphyrin. <i>Applied Catalysis A: General</i> , 2014 , 478, 267-274	5.1	24
102	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	3.3	24
101	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, 6110-8	4.3	24
100	Acid-base properties and solubility of pindolol, diazepam and chlordiazepoxide in SDS micelles. <i>International Journal of Pharmaceutics</i> , 1999 , 187, 67-75	6.5	24
99	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	2.3	23

- 98 Microwave-assisted synthesis of 3-hydroxy-4-pyridinone/naphthalene conjugates. Structural characterization and selection of a fluorescent ion sensor. *Tetrahedron*, **2010**, 66, 8544-8550 2.4 23
- 97 Reductive electrochemical study of Ni(II) complexes with N2O2 Schiff base complexes and spectroscopic characterisation of the reduced species. Reactivity towards CO. *Polyhedron*, **2002**, 21, 1695-1705²³
- 96 Study of the oxidation products of the VO(dmpp)2 complex in aqueous solution under aerobic conditions: comparison with the vanadate/dmpp system. *Inorganica Chimica Acta*, **2003**, 356, 142-154 2.7 23
- 95 (Salen)nickel-Catalysed Epoxidations in the Homogeneous and Heterogeneous Phase: The Implications of Oxygen on the Efficiency and Product Selectivity. *European Journal of Inorganic Chemistry*, **2005**, 2005, 4272-4279 2.3 23
- 94 Large-pore silica spheres as support for samarium-coordinated undecamolybdophosphate: Oxidative desulfurization of diesels. *Fuel*, **2020**, 259, 116213 7.1 23
- 93 Acid/base properties of beta-blockers and benzodiazepines in sodium dodecyl sulfate micelles. A spectrophotometric and potentiometric study. *Journal of Pharmaceutical Sciences*, **1998**, 87, 356-9 3.9 22
- 92 Anchoring of organic molecules onto activated carbon. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2001**, 189, 75-84 5.1 22
- 91 Ground State Modulation in Nickel(III) Chemistry by Controlling Axial Ligation in Complexes with N3O2 Pentadentate Ligands. *European Journal of Inorganic Chemistry*, **2001**, 2001, 1483-1493 2.3 22
- 90 Multinuclear NMR and potentiometric studies on the interaction of zinc and cadmium with cytidine and glycylglycine. The effect of the anion. *Journal of Inorganic Biochemistry*, **1992**, 45, 53-64 4.2 22
- 89 Sustainable Desulfurization Processes Catalyzed by Titanium-Polyoxometalate@TM-SBA-15. *Topics in Catalysis*, **2017**, 60, 1140-1150 2.3 20
- 88 Efficient Oxidative Desulfurization Processes Using Polyoxomolybdate Based Catalysts. *Energies*, **2018**, 11, 1696 3.1 20
- 87 Isoxazolidine-fused meso-tetraarylchlorins as key tools for the synthesis of mono- and bis-annulated chlorins. *Organic and Biomolecular Chemistry*, **2015**, 13, 7131-5 3.9 20
- 86 Encapsulation of Copper(II) Complexes with Pentadentate N3O2 Schiff Base Ligands in a Pillared Layered Clay. *European Journal of Inorganic Chemistry*, **2002**, 2002, 3032-3038 2.3 20
- 85 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. 5.1 20
- 84 Influence of structural factors on the enhanced activity of moxifloxacin: a fluorescence and EPR spectroscopic study. *Analytical and Bioanalytical Chemistry*, **2007**, 387, 1543-52 4.4 19
- 83 Development of novel pillared clays for the encapsulation of inorganic complexes. *Langmuir*, **2004**, 20, 2861-6 4 19
- 82 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. *Journal of the American Chemical Society*, **1978**, 100, 3967-3968 16.4 19
- 81 Comparative analysis of the electronic and EPR spectra of copper(II) and nickel(I) complexes; insights into nickel(I) electronic structure. *Journal of the Chemical Society Dalton Transactions*, **1998**, 1557-1562¹⁸

80	Fluorimetric and solubility studies of nadolol and atenolol in SDS micelles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998 , 18, 573-7	3.5	18
79	A novel self-indicative vesicle based on a iron(II) complex. <i>Chemical Communications</i> , 2001 , 1298-1299	5.8	18
78	A novel red emitting material based on polyoxometalate@periodic mesoporous organosilica. <i>Microporous and Mesoporous Materials</i> , 2016 , 234, 248-256	5.3	17
77	Sensitivity of P-glycoprotein tryptophan residues to benzodiazepines and ATP interaction. <i>Biophysical Chemistry</i> , 2007 , 125, 143-50	3.5	17
76	Straightforward activation of metal-organic framework UiO-66 for oxidative desulfurization processes. <i>Catalysis Today</i> , 2021 , 362, 28-34	5.3	17
75	Improved catalytic performance of porous metal-organic frameworks for the ring opening of styrene oxide. <i>CrystEngComm</i> , 2017 , 19, 4219-4226	3.3	16
74	Influence of UiO-66(Zr) Preparation Strategies in Its Catalytic Efficiency for Desulfurization Process. <i>Materials</i> , 2019 , 12,	3.5	16
73	Photochemistry of nickel salen based complexes and relevance to catalysis. <i>New Journal of Chemistry</i> , 2002 , 26, 405-410	3.6	16
72	Spectroscopic and magnetic properties of high spin chromium(II) and copper(II) complexes with bidentate π -diimine ligands: 2,2'-pyridylbenzimidazole; 2,2'-pyridylimidazole and 2,2'-pyridylimidazoline. <i>Polyhedron</i> , 1991 , 10, 2541-2549	2.7	16
71	Novel tetradentate chelators derived from 3-hydroxy-4-pyridinone units: synthesis, characterization and aqueous solution properties. <i>Tetrahedron</i> , 2011 , 67, 4009-4016	2.4	15
70	Photolysis Primary Products of Alkylcobaloximes Controlled by the Cobalt-Carbon Bond Strength. <i>Organometallics</i> , 1999 , 18, 3451-3456	3.8	15
69	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>Journal of Chemical Crystallography</i> , 2008 , 38, 213-221	5.1	15
68	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		13
67	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	5.1	13
66	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	4.2	12
65	Catalytic Properties of a Mn(III)-Salen Complex Immobilised in a Pillared Clay by Simultaneous Pillaring/Encapsulation Procedures. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 837-844	2.3	12
64	Determination of the pK _a values of sparingly soluble substances in water revisited: application to some benzodiazepines. <i>Analytica Chimica Acta</i> , 1993 , 281, 53-62	6.6	12
63	Catalytic performance of a boron peroxotungstate complex under homogeneous and heterogeneous conditions. <i>Catalysis Today</i> , 2013 , 203, 87-94	5.3	11

62	Beta-blockers and benzodiazepines location in SDS and bile salt micellar systems. An ESR study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 45, 62-69	3.5	11
61	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, 1521-7	3.4	11
60	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	4.2	11
59	1,3-Dipolar cycloadditions with meso-tetraarylchlorins: Bite selectivity and mixed bisadducts. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 534-544	5.2	10
58	Polyoxometalate@Periodic mesoporous organosilicas as active materials for oxidative desulfurization of diesels. <i>Microporous and Mesoporous Materials</i> , 2020 , 302, 110193	5.3	10
57	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, 7951-7	4	10
56	A fluorescent and phosphorescent nanoporous solid: crystalline calix[4]arene. <i>Journal of Fluorescence</i> , 2008 , 18, 1123-9	2.4	10
55	Synthesis, spectroscopic, electrochemical and structural characterization of Cu(II) complexes with asymmetric NN?OS coordination spheres. <i>Polyhedron</i> , 2008 , 27, 335-343	2.7	10
54	Decomposition of chemically and electrochemically generated nickel(III) complexes with N2O2 Schiff-base ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994 , 571		10
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