

# Baltazar de Castro

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

187  
papers

5,347  
citations

43  
h-index

59  
g-index

188  
ext. papers

5,751  
ext. citations

4.3  
avg, IF

5.38  
L-index

#	Paper	IF	Citations
187	Lindqvist versus Keggin-Type Polyoxometalates as Catalysts for Effective Desulfurization of Fuels. <i>Catalysts</i> , <b>2022</b> , 12, 581	4	1
186	Multidimensional Ln-Aminophthalate Photoluminescent Coordination Polymers. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
185	A simple desulfurization process to achieve high efficiency, sustainability and cost-effectivity via peroxotungstate catalyst. <i>Molecular Catalysis</i> , <b>2021</b> , 505, 111515	3.3	3
184	Removing Simultaneously Sulfur and Nitrogen from Fuel under a Sustainable Oxidative Catalytic System. <i>Sustainable Chemistry</i> , <b>2021</b> , 2, 382-391	3.6	2
183	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> , <b>2021</b> , 5, 4032-4040	5.8	4
182	Straightforward activation of metal-organic framework UiO-66 for oxidative desulfurization processes. <i>Catalysis Today</i> , <b>2021</b> , 362, 28-34	5.3	17
181	Solvent-Free Desulfurization System to Produce Low-Sulfur Diesel Using Hybrid Monovacant Keggin-Type Catalyst. <i>Molecules</i> , <b>2020</b> , 25,	4.8	1
180	From Discrete Complexes to Metal-Organic Layered Materials: Remarkable Hydrogen Bonding Frameworks. <i>Molecules</i> , <b>2020</b> , 25,	4.8	2
179	Polyoxometalate@Periodic mesoporous organosilicas as active materials for oxidative desulfurization of diesels. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 302, 110193	5.3	10
178	Polyoxometalates-Based Nanocatalysts and Their Efficiency for Production of Sulfur-Free Diesel. <i>Advances in Chemical and Materials Engineering Book Series</i> , <b>2020</b> , 92-133	0.2	
177	Biomimetic Oxidation of Benzofurans with Hydrogen Peroxide Catalyzed by Mn(III) Porphyrins. <i>Catalysts</i> , <b>2020</b> , 10, 62	4	2
176	An Effective Hybrid Heterogeneous Catalyst to Desulfurize Diesel: Peroxotungstate@Metal-Organic Framework. <i>Molecules</i> , <b>2020</b> , 25,	4.8	7
175	Large-pore silica spheres as support for samarium-coordinated undecamolybdophosphate: Oxidative desulfurization of diesels. <i>Fuel</i> , <b>2020</b> , 259, 116213	7.1	23
174	A sustainable peroxophosphomolybdate/H <sub>2</sub> O <sub>2</sub> system for the oxidative removal of organosulfur compounds from simulated and real high-sulfur diesels. <i>Applied Catalysis A: General</i> , <b>2020</b> , 589, 117154	5.1	13
173	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> , <b>2019</b> , 160, 145-156	2.7	7
172	Effective Zinc-Substituted Keggin Composite To Catalyze the Removal of Sulfur from Real Diesels under a Solvent-Free System. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 18540-18549	3.9	7
171	Influence of UiO-66(Zr) Preparation Strategies in Its Catalytic Efficiency for Desulfurization Process. <i>Materials</i> , <b>2019</b> , 12,	3.5	16

170	Antibacterial activity of naphthyl derived bis-(3-hydroxy-4-pyridinonate) copper(II) complexes against multidrug-resistant bacteria. <i>Journal of Inorganic Biochemistry</i> , <b>2019</b> , 197, 110704	4.2	12
169	EPR spin trapping studies of H <sub>2</sub> O <sub>2</sub> activation in metaloporphyrin catalyzed oxygenation reactions: Insights on the biomimetic mechanism. <i>Molecular Catalysis</i> , <b>2019</b> , 475, 110500	3.3	4
168	Mesoporous Silica vs. Organosilica Composites to Desulfurize Diesel. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 7565		4
167	Deep oxidative desulfurization of diesel fuels using homogeneous and SBA-15-supported peroxophosphotungstate catalysts. <i>Fuel</i> , <b>2019</b> , 241, 616-624	7.1	75
166	Oxidative desulfurization strategies using Keggin-type polyoxometalate catalysts: Biphasic versus solvent-free systems. <i>Catalysis Today</i> , <b>2019</b> , 333, 226-236	5.3	33
165	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> , <b>2018</b> , 42, 8169-8179	3.6	7
164	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> , <b>2018</b> , 27, 1472-1477	2.2	4
163	Efficient heterogeneous polyoxometalate-hybrid catalysts for the oxidative desulfurization of fuels. <i>Catalysis Communications</i> , <b>2018</b> , 104, 1-8	3.2	49
162	Efficient Oxidative Desulfurization Processes Using Polyoxomolybdate Based Catalysts. <i>Energies</i> , <b>2018</b> , 11, 1696	3.1	20
161	Improving the Catalytic Performance of Keggin [PWO] for Oxidative Desulfurization: Ionic Liquids versus SBA-15 Composite. <i>Materials</i> , <b>2018</b> , 11,	3.5	24
160	Synthesis and characterization of two fluorescent isophthalate rosamines: From solution to immobilization in solid substrates. <i>Dyes and Pigments</i> , <b>2018</b> , 157, 405-414	4.6	3
159	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> , <b>2018</b> , 11, 189-199	2.3	2
158	1,3-Dipolar cycloadditions with meso-tetraarylchlorins: Site selectivity and mixed bisadducts. <i>Organic Chemistry Frontiers</i> , <b>2017</b> , 4, 534-544	5.2	10
157	Efficient eco-sustainable ionic liquid-polyoxometalate desulfurization processes for model and real diesel. <i>Applied Catalysis A: General</i> , <b>2017</b> , 537, 93-99	5.1	36
156	Sustainable Desulfurization Processes Catalyzed by Titanium-Polyoxometalate@TM-SBA-15. <i>Topics in Catalysis</i> , <b>2017</b> , 60, 1140-1150	2.3	20
155	Improved catalytic performance of porous metal-organic frameworks for the ring opening of styrene oxide. <i>CrystEngComm</i> , <b>2017</b> , 19, 4219-4226	3.3	16
154	Desulfurization process conciliating heterogeneous oxidation and liquid extraction: Organic solvent or centrifugation/water?. <i>Applied Catalysis A: General</i> , <b>2017</b> , 542, 359-367	5.1	27
153	Catalytic performance and electrochemical behaviour of Metal-organic frameworks: MIL-101(Fe) versus NH <sub>2</sub> -MIL-101(Fe). <i>Polyhedron</i> , <b>2017</b> , 127, 464-470	2.7	55

152	A novel red emitting material based on polyoxometalate@periodic mesoporous organosilica. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 234, 248-256	5.3	17
151	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> , <b>2016</b> , 2016, 5114-5122	2.3	41
150	Design of a Water Soluble Fluorescent 3-Hydroxy-4-Pyridinone Ligand Active at Physiological pH Values. <i>Journal of Fluorescence</i> , <b>2016</b> , 26, 1773-85	2.4	2
149	NMR study of the interaction of fluorescent 3-hydroxy-4-pyridinone chelators with DMPC liposomes. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 5027-33	3.6	8
148	Catalytic oxidative/extractive desulfurization of model and untreated diesel using hybrid based zinc-substituted polyoxometalates. <i>Fuel</i> , <b>2016</b> , 166, 268-275	7.1	93
147	Polyoxometalates-Based Nanocatalysts for Production of Sulfur-Free Diesel. <i>Advances in Chemical and Materials Engineering Book Series</i> , <b>2016</b> , 426-458	0.2	1
146	Production of ultra-deep sulfur-free diesels using a sustainable catalytic system based on UiO-66(Zr). <i>Chemical Communications</i> , <b>2015</b> , 51, 13818-21	5.8	78
145	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> , <b>2015</b> , 131, 78-86	7.2	114
144	Synthesis and spectroscopic characterization of a new tripodal hexadentate iron chelator incorporating catechol units. <i>Polyhedron</i> , <b>2015</b> , 87, 1-7	2.7	6
143	The Influence of the Amide Linkage in the Fe(III) -Binding Properties of Catechol-Modified Rosamine Derivatives. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 15692-704	4.8	6
142	Isoxazolidine-fused meso-tetraarylchlorins as key tools for the synthesis of mono- and bis-annulated chlorins. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 7131-5	3.9	20
141	An efficient eco-sustainable oxidative desulfurization process using Exo-bridged Fe(III) complex of meso-tetrakis(pentafluorophenyl)porphyrin. <i>Applied Catalysis A: General</i> , <b>2014</b> , 478, 267-274	5.1	24
140	The influence of 1-alkyl-3-methyl imidazolium ionic liquids on a series of cobalt-1,4-benzenedicarboxylate metal-organic frameworks. <i>CrystEngComm</i> , <b>2014</b> , 16, 10649-10657	3.3	24
139	Oxidative catalytic versatility of a trivacant polyoxotungstate incorporated into MIL-101(Cr). <i>Catalysis Science and Technology</i> , <b>2014</b> , 4, 1416	5.5	71
138	Synthesis, characterization and antibacterial studies of a copper(II) lomefloxacin ternary complex. <i>Journal of Inorganic Biochemistry</i> , <b>2014</b> , 131, 21-9	4.2	34
137	Fluoroquinolone-metal complexes: a route to counteract bacterial resistance?. <i>Journal of Inorganic Biochemistry</i> , <b>2014</b> , 138, 129-143	4.2	43
136	EPR and XANES studies of anaerobic photolysis of iso-propylpyridinecobaloxime: Elucidation of the reactivity of the Co(II) primary product. <i>Journal of Organometallic Chemistry</i> , <b>2014</b> , 760, 11-18	2.3	1
135	Phosphotungstates as catalysts for monoterpenes oxidation: Homo- and heterogeneous performance. <i>Catalysis Today</i> , <b>2013</b> , 203, 95-102	5.3	46

134	Redox behaviour, electrochromic properties and photoluminescence of potassium lanthano phosphomolybdate sandwich-type compounds. <i>RSC Advances</i> , <b>2013</b> , 3, 16697	3.7	8
133	Discrimination of fluorescence light-up effects induced by pH and metal ion chelation on a spirocyclic derivative of rhodamine B. <i>Dalton Transactions</i> , <b>2013</b> , 42, 6110-8	4.3	24
132	Lanthanopolyoxometalates: From the structure of polyanions to the design of functional materials. <i>Polyhedron</i> , <b>2013</b> , 52, 10-24	2.7	37
131	Novel Mn(II)-Based Metal-Organic Frameworks Isolated in Ionic Liquids. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 1260-1266	3.5	49
130	Catalytic performance of a boron peroxotungstate complex under homogeneous and heterogeneous conditions. <i>Catalysis Today</i> , <b>2013</b> , 203, 87-94	5.3	11
129	Insights into the electrochemical behaviour of composite materials: Monovacant polyoxometalates @ porous metal-organic framework. <i>Electrochimica Acta</i> , <b>2013</b> , 87, 853-859	6.7	29
128	Monovacant polyoxometalates incorporated into MIL-101(Cr): novel heterogeneous catalysts for liquid phase oxidation. <i>Applied Catalysis A: General</i> , <b>2013</b> , 453, 316-326	5.1	90
127	Synthesis, characterization and antibacterial studies of a copper(II) levofloxacin ternary complex. <i>Journal of Inorganic Biochemistry</i> , <b>2012</b> , 110, 64-71	4.2	70
126	Microwave-Assisted Synthesis and Spectroscopic Properties of 4?-Substituted Rosamine Fluorophores and Naphthyl Analogues. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 5810-5817	3.2	27
125	Porous Metal-Organic Framework Materials: Microwave Assisted Synthesis and Oxidative Catalytic Tests. <i>Materials Science Forum</i> , <b>2012</b> , 730-732, 1024-1029	0.4	0
124	Manganese Mono-Substituted Borotungstate: Characterization and Catalytic Application. <i>Materials Science Forum</i> , <b>2012</b> , 730-732, 975-980	0.4	
123	Use of a porphyrin platform and 3,4-HPO chelating units to synthesize ligands with N4 and O4 coordination sites. <i>Tetrahedron</i> , <b>2011</b> , 67, 7821-7828	2.4	9
122	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> , <b>2011</b> , 2011, 131-140	2.3	23
121	Novel tetradentate chelators derived from 3-hydroxy-4-pyridinone units: synthesis, characterization and aqueous solution properties. <i>Tetrahedron</i> , <b>2011</b> , 67, 4009-4016	2.4	15
120	Synthesis of gold nanocubes in aqueous solution with remarkable shape-selectivity. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2011</b> , 15, 441-448	1.8	5
119	One-pot synthesis of triangular gold nanoplates allowing broad and fine tuning of edge length. <i>Nanoscale</i> , <b>2010</b> , 2, 2209-16	7.7	62
118	Identification of a new hexadentate iron chelator capable of restricting the intramacrophagic growth of Mycobacterium avium. <i>Microbes and Infection</i> , <b>2010</b> , 12, 287-94	9.3	39
117	Microwave-assisted synthesis of 3-hydroxy-4-pyridinone/naphthalene conjugates. Structural characterization and selection of a fluorescent ion sensor. <i>Tetrahedron</i> , <b>2010</b> , 66, 8544-8550	2.4	23

116	Microwave-Enhanced Synthesis of Novel Pyridinone-Fused Porphyrins. <i>Synlett</i> , <b>2009</b> , 2009, 1009-1013	2.2	3
115	Novel 3-hydroxy-4-pyridinonato oxidovanadium(IV) complexes to investigate structure/activity relationships. <i>Journal of Inorganic Biochemistry</i> , <b>2009</b> , 103, 496-502	4.2	27
114	Flurazepam inhibits the P-glycoprotein transport function: an insight to revert multidrug-resistance phenotype. <i>European Journal of Pharmacology</i> , <b>2008</b> , 581, 30-6	5.3	6
113	Modular functional integration of a two-input INH logic gate with a fluorophore-spacer-receptor1-spacer-receptor2 conjugate. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 6079-85	4.2	38
112	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> , <b>2008</b> , 27, 2536-2543	3.8	3
111	A fluorescent and phosphorescent nanoporous solid: crystalline calix[4]arene. <i>Journal of Fluorescence</i> , <b>2008</b> , 18, 1123-9	2.4	10
110	Benzodiazepine-mediated structural changes in the multidrug transporter P-glycoprotein: an intrinsic fluorescence quenching analysis. <i>Journal of Membrane Biology</i> , <b>2008</b> , 223, 117-25	2.3	3
109	Synthesis, spectroscopic, electrochemical and structural characterization of Cu(II) complexes with asymmetric NN <sup>2</sup> OS coordination spheres. <i>Polyhedron</i> , <b>2008</b> , 27, 335-343	2.7	10
108	AFM and electron microscopy study of the unusual aggregation behavior of metallosurfactants based on iron(II) complexes with bipyridine ligands. <i>Langmuir</i> , <b>2007</b> , 23, 7951-7	4	10
107	Sensitivity of P-glycoprotein tryptophan residues to benzodiazepines and ATP interaction. <i>Biophysical Chemistry</i> , <b>2007</b> , 125, 143-50	3.5	17
106	Organo-functionalized activated carbons as supports for the covalent attachment of a chiral manganese(III) salen complex. <i>Carbon</i> , <b>2007</b> , 45, 1951-1964	10.4	53
105	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> , <b>2007</b> , 334, 129-36	6.5	29
104	Beta-blockers and benzodiazepines location in SDS and bile salt micellar systems. An ESR study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2007</b> , 45, 62-69	3.5	11
103	Anchoring of a [Mn(salen)Cl] complex onto mesoporous carbon xerogels. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 311, 152-8	9.3	37
102	Acetato(N-phenylpyridine-2-carboxamidato-kappa(2)N,N)(N-phenylpyridine-2-carboxamide-kappa(2)N(1),O)copper(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2007</b> , 63, m293-6		4
101	Influence of structural factors on the enhanced activity of moxifloxacin: a fluorescence and EPR spectroscopic study. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 387, 1543-52	4.4	19
100	A molecular tool kit for the variable design of logic operations (NOR, INH, EnNOR). <i>Chemical Communications</i> , <b>2006</b> , 2051-3	5.8	67
99	Styrene oxidation by manganese Schiff base complexes in zeolite structures. <i>Journal of Molecular Catalysis A</i> , <b>2006</b> , 258, 327-333		73

98	Calix[4]azacrowns as novel molecular scaffolds for the generation of visible and near-infrared lanthanide luminescence. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 2652-60	5.1	56
97	Photolysis Secondary Products of Cobaloximes and Imino/Oxime Compounds Controlled by Steric Hindrance Imposed by the Lewis Base. <i>Organometallics</i> , <b>2005</b> , 24, 3500-3507	3.8	8
96	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> , <b>2005</b> , 1723, 1514-62	4.2	8
95	Mn(III) salen complex immobilised into pillared clays by in situ and simultaneous pillaring/encapsulation procedures. <i>Microporous and Mesoporous Materials</i> , <b>2005</b> , 86, 295-302	5.3	28
94	Spectroelectrochemical characterisation of copper salen-based polymer-modified electrodes. <i>Electrochimica Acta</i> , <b>2005</b> , 51, 304-314	6.7	35
93	Interaction between quinolones antibiotics and bacterial outer membrane porin OmpF. <i>Biophysical Chemistry</i> , <b>2005</b> , 113, 123-8	3.5	38
92	Chiral manganese(III) Schiff base complexes anchored onto activated carbon as enantioselective heterogeneous catalysts for alkene epoxidation. <i>Carbon</i> , <b>2005</b> , 43, 2096-2105	10.4	61
91	Copper(II) acetylacetonate anchored onto an activated carbon as a heterogeneous catalyst for the aziridination of styrene. <i>Catalysis Today</i> , <b>2005</b> , 102-103, 154-159	5.3	43
90	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> , <b>2005</b> , 2005, 837-844	2.3	12
89	(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> , <b>2005</b> , 2005, 4272-4279	2.3	23
88	A method for functional mouse MDR3 P-glycoprotein reconstitution in <i>Escherichia coli</i> lipids. <i>Analytical Biochemistry</i> , <b>2005</b> , 338, 350-3	3.1	1
87	Styrene epoxidation catalysed by manganese(III) salen complex supported on activated carbons. <i>Applied Catalysis A: General</i> , <b>2005</b> , 285, 110-118	5.1	32
86	Copper-containing nitrite reductase from <i>Pseudomonas chlororaphis</i> DSM 50135. <i>FEBS Journal</i> , <b>2004</b> , 271, 2361-9		29
85	Anchoring of Copper(II) Acetylacetonate onto an Activated Carbon Functionalised with a Triamine. <i>European Journal of Inorganic Chemistry</i> , <b>2004</b> , 2004, 2027-2035	2.3	49
84	Manganese(III) salen complexes anchored onto activated carbon as heterogeneous catalysts for the epoxidation of olefins. <i>Microporous and Mesoporous Materials</i> , <b>2004</b> , 68, 83-89	5.3	78
83	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> , <b>2004</b> , 98, 276-86	4.2	9
82	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> , <b>2004</b> , 23, 1401-1408	2.7	41
81	Noninvasive methods to determine the critical micelle concentration of some bile acid salts. <i>Analytical Biochemistry</i> , <b>2004</b> , 334, 117-26	3.1	128

80	Jacobsen catalyst anchored onto an activated carbon as an enantioselective heterogeneous catalyst for the epoxidation of alkenes. <i>Carbon</i> , <b>2004</b> , 42, 3027-3030	10.4	42
79	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> , <b>2004</b> , 28, 1506-1513	3.6	37
78	An inhibit (INH) molecular logic gate based on 1,8-naphthalimide-sensitised europium luminescence. <i>Photochemical and Photobiological Sciences</i> , <b>2004</b> , 3, 639-42	4.2	48
77	Influence of some anti-inflammatory drugs in membrane fluidity studied by fluorescence anisotropy measurements. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 1493-1498	3.6	42
76	Development of novel pillared clays for the encapsulation of inorganic complexes. <i>Langmuir</i> , <b>2004</b> , 20, 2861-6	4	19
75	Simultaneous aluminium oxide pillaring and copper(II) Schiff base complexes encapsulation in a montmorillonite. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 374		40
74	Zeta-potential measurements as a tool to quantify the effect of charged drugs on the surface potential of egg phosphatidylcholine liposomes. <i>Langmuir</i> , <b>2004</b> , 20, 369-77	4	54
73	Epoxidation of styrene by a manganese(III) salen complex encapsulated in an aluminium pillared clay. <i>New Journal of Chemistry</i> , <b>2004</b> , 28, 853-858	3.6	30
72	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> , <b>2004</b> , 28, 253	3.6	67
71	Synthesis and Characterization of Benzo-15-Crown-5 Ethers with Appended N2O Schiff Bases. <i>Molecules</i> , <b>2003</b> , 8, 894-900	4.8	62
70	Partition and location of nimesulide in EPC liposomes: a spectrophotometric and fluorescence study. <i>Analytical and Bioanalytical Chemistry</i> , <b>2003</b> , 377, 293-8	4.4	49
69	Study of the oxidation products of the VO(dmpp) <sub>2</sub> complex in aqueous solution under aerobic conditions: comparison with the vanadate $\delta$ mpp system. <i>Inorganica Chimica Acta</i> , <b>2003</b> , 356, 142-154	2.7	23
68	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> , <b>2003</b> , 27, 1511	3.6	57
67	Interaction of rifampicin and isoniazid with large unilamellar liposomes: spectroscopic location studies. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2003</b> , 1620, 151-9	4	49
66	Encapsulation of Copper(II) Complexes with Pentadentate N3O2 Schiff Base Ligands in a Pillared Layered Clay. <i>European Journal of Inorganic Chemistry</i> , <b>2002</b> , 2002, 3032-3038	2.3	20
65	Immobilisation of amine-functionalised nickel(II) Schiff base complexes onto activated carbon treated with thionyl chloride. <i>Microporous and Mesoporous Materials</i> , <b>2002</b> , 55, 275-284	5.3	68
64	Reductive electrochemical study of Ni(II) complexes with N2O2 Schiff base complexes and spectroscopic characterisation of the reduced species. Reactivity towards CO. <i>Polyhedron</i> , <b>2002</b> , 21, 1695-1705 <sup>23</sup>		
63	Interaction of Grepafloxacin with Large Unilamellar Liposomes: Partition and Fluorescence Studies Reveal the Importance of Charge Interactions. <i>Langmuir</i> , <b>2002</b> , 18, 10231-10236	4	37



62	Photochemistry of nickel salen based complexes and relevance to catalysis. <i>New Journal of Chemistry</i> , <b>2002</b> , 26, 405-410	3.6	16
61	Heterogenization of a Functionalized Copper(II) Schiff Base Complex by Direct Immobilization onto an Oxidized Activated Carbon. <i>Langmuir</i> , <b>2002</b> , 18, 8017-8024	4	71
60	A fast and reliable spectroscopic method for the determination of membrane--water partition coefficients of organic compounds. <i>Lipids</i> , <b>2001</b> , 36, 89-96	1.6	36
59	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> , <b>2001</b> , 90, 31-43	3.5	26
58	Derivative spectrophotometry as a tool for the determination of drug partition coefficients in water/dimyristoyl-L-alpha-phosphatidylglycerol (DMPG) liposomes. <i>Biophysical Chemistry</i> , <b>2001</b> , 94, 97-106	3.5	44
57	Study of partition of nitrazepam in bile salt micelles and the role of lecithin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2001</b> , 24, 595-602	3.5	27
56	Characterization of the photolysis products of sec-butylcobaloximes with imidazole and benzimidazole bases. <i>Journal of Organometallic Chemistry</i> , <b>2001</b> , 632, 85-93	2.3	5
55	Anchoring of a nickel(II) Schiff base complex onto activated carbon mediated by cyanuric chloride. <i>Microporous and Mesoporous Materials</i> , <b>2001</b> , 46, 211-221	5.3	60
54	Anchoring of organic molecules onto activated carbon. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2001</b> , 189, 75-84	5.1	22
53	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> , <b>2001</b> , 190, 205-212	5.1	26
52	Interaction of drugs with hexadecylphosphocholine micelles. Derivative spectroscopy, acid-base and solubility studies. <i>Materials Science and Engineering C</i> , <b>2001</b> , 18, 71-78	8.3	28
51	Ground State Modulation in Nickel(III) Chemistry by Controlling Axial Ligation in Complexes with N3O2 Pentadentate Ligands. <i>European Journal of Inorganic Chemistry</i> , <b>2001</b> , 2001, 1483-1493	2.3	22
50	Spectroelectrochemical characterisation of poly[Ni(saltMe)]-modified electrodes. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 139-50	4.8	46
49	Spectrophotometric determination of drug partition coefficients in dimyristoyl-L- $\alpha$ -phosphatidylcholine/water: a comparative study using phase separation and liposome suspensions. <i>Analytica Chimica Acta</i> , <b>2001</b> , 428, 103-109	6.6	32
48	A novel self-indicative vesicle based on a iron(II) complex. <i>Chemical Communications</i> , <b>2001</b> , 1298-1299	5.8	18
47	SYNTHESIS, SPECTROSCOPIC AND ELECTROCHEMICAL CHARACTERISATION OF NICKEL COMPLEXES WITH TWO N2O TRIDENTATE, UNSYMMETRICAL SCHIFF BASE LIGANDS. <i>Journal of Coordination Chemistry</i> , <b>2001</b> , 54, 1-12	1.6	7
46	Calibration of pH glass electrodes by direct strong acid/strong base titrations under dilute conditions. <i>Analytica Chimica Acta</i> , <b>2000</b> , 405, 167-172	6.6	40
45	Diaqua6,6-dimethoxy-2,2. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2000</b> , 56 (Pt 10), 1201-3		7

44	Enzymes of hydrogen metabolism in <i>Pyrococcus furiosus</i> . <i>FEBS Journal</i> , <b>2000</b> , 267, 6541-51		113
43	Encapsulation of copper(II) complexes with pentadentate N3O2 Schiff base ligands derived from acetylacetone in NaX zeolite. <i>Microporous and Mesoporous Materials</i> , <b>2000</b> , 38, 391-401	5.3	39
42	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> , <b>2000</b> , 80, 177-9	4.2	27
41	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> , <b>2000</b> , 19, 655-664	2.7	74
40	Bis-(4-methyl-4'-pentyl-2,2'-bipyridyl)(dicyano)iron(II): a versatile solvatochromic solvation probe. <i>Transition Metal Chemistry</i> , <b>2000</b> , 25, 283-286	2.1	5
39	Nickel(II) complexes with N2OS and N2S2 co-ordination spheres: reduction and spectroscopic study of the corresponding Ni(I) complexes. <i>Dalton Transactions RSC</i> , <b>2000</b> , 1373-1379		77
38	EPR characterization of the products formed after photolysis of [CoIII(Salen)(CH3)(H2O)] and [CoIII(SaltMe)(CH3)(H2O)] in the presence of N- and P-donor bases. <i>Inorganic Chemistry</i> , <b>2000</b> , 39, 1994-7 <sup>5.1</sup>		2
37	Acid-base properties and solubility of pindolol, diazepam and chlordiazepoxide in SDS micelles. <i>International Journal of Pharmaceutics</i> , <b>1999</b> , 187, 67-75	6.5	24
36	A nickel complex with a tetradentate N2S2Schiff base ligand. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1999</b> , 55, 1061-1063		5
35	(1,4-Dioxane-O){3,3',5,5'-tetrachloro-2,2'-(4-methyl-4-azaheptane-1,7-diylbis(nitrilomethylidyne-N))diphenolato-O,O'}[Ni(3,5-Cl4salMetrien)]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1999</b> , 55, 1425-1427		2
34	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> , <b>1999</b> , 4, 284-91	3.7	29
33	Photolysis Primary Products of Alkylcobaloximes Controlled by the Cobalt-Carbon Bond Strength. <i>Organometallics</i> , <b>1999</b> , 18, 3451-3456	3.8	15
32	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> , <b>1998</b> , 271, 83-92	2.7	32
31	Comparative analysis of the electronic and EPR spectra of copper(II) and nickel(I) complexes; insights into nickel(I) electronic structure. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1998</b> , 1557-1562 <sup>18</sup>		
30	Acid/base properties of beta-blockers and benzodiazepines in sodium dodecyl sulfate micelles. A spectrophotometric and potentiometric study. <i>Journal of Pharmaceutical Sciences</i> , <b>1998</b> , 87, 356-9	3.9	22
29	Epr characterisation of nickel (III) complexes with N2O2 Schiff base ligands derived from naphthaldehyde and their pyridine adducts. <i>Polyhedron</i> , <b>1998</b> , 17, 4227-4235	2.7	37
28	Copper(II) increases bile acid binding to asparagine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1998</b> , 16, 771-6	3.5	1
27	Fluorimetric and solubility studies of nadolol and atenolol in SDS micelles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1998</b> , 18, 573-7	3.5	18

26	Spectroscopic characterisation of electrogenerated nickel(III) species. Complexes with N <sub>2</sub> O <sub>2</sub> Schiff-base ligands derived from salicylaldehyde. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1998</b> , 1491-1498		88
25	Synthesis, spectroscopic and electrochemical study of nickel(II) and -(I) complexes with Schiff-base ligands giving a NN <sup>+</sup> OS co-ordination sphere. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1998</b> , 629-636		31
24	New Insights into the Structure and Properties of Electroactive Polymer Films Derived from [Ni(salen)]. <i>Inorganic Chemistry</i> , <b>1997</b> , 36, 4919-4929	5.1	114
23	Synthesis and characterization of 3-hydroxy-4pyridinone-oxovanadium(IV) complexes. <i>Polyhedron</i> , <b>1997</b> , 16, 789-794	2.7	36
22	Potentiometric determination of formation constants of copper(II)/bile acid/peptide in aqueous solution. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1995</b> , 13, 465-70	3.5	6
21	Formation and decomposition study of electrochemically-generated nickel(III)βota complexes in aqueous solution (nota3β 1,4,7-triazacyclononane-N,N <sup>+</sup> ,N <sup>+</sup> -triacetate). <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1995</b> , 2041-2044		3
20	Electrochemical and structural studies of nickel(II) complexes with N <sub>2</sub> O <sub>2</sub> Schiff base ligands 2. Crystal and molecular structure of N,N <sup>+</sup> -l,2-ethane-1,2-diyl-bis(2-hydroxyacetophenonylideneimine)nickel(II), N, N <sup>+</sup> -1,2-cis	2.7	73
19	Decomposition of chemically and electrochemically generated nickel(III) complexes with N <sub>2</sub> O <sub>2</sub> , Schiff-base ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1994</b> , 571		10
18	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> , <b>1994</b> , 369		13
17	Effects of fluorine substitution on the solvatochromic behaviour of an iron(II)βyanide Schiff base complex. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1994</b> , 90, 3071-3075		6
16	Determination of the pK <sub>a</sub> values of sparingly soluble substances in water revisited: application to some benzodiazepines. <i>Analytica Chimica Acta</i> , <b>1993</b> , 281, 53-62	6.6	12
15	Electrochemical and structural studies of nickel(II) complexes with N <sub>2</sub> O <sub>2</sub> Schiff base ligands derived from 2-hydroxy-1-naphthaldehyde. Molecular structure of N,N <sup>+</sup> -2,3-dimethylbutane-2,3-diyl-bis(2-hydroxy-1-naphthylideneimine) nickel(II). <i>Inorganica Chimica Acta</i> , <b>1993</b> , 205, 157-166	2.7	35
14	A new class of composite materials: Matrix auto-reinforced organic materialMARIOM. <i>Journal of Materials Research</i> , <b>1992</b> , 7, 1990-1992	2.5	7
13	Multinuclear NMR and potentiometric studies on the interaction of zinc and cadmium with cytidine and glycyglycine. The effect of the anion. <i>Journal of Inorganic Biochemistry</i> , <b>1992</b> , 45, 53-64	4.2	22
12	Spectroscopic and magnetic properties of high spin chromium(II) and copper(II) complexes with bidentate β-diimine ligands: 2,2 <sup>+</sup> -pyridylbenzimidazole; 2,2 <sup>+</sup> -pyridylimidazole and 2,2 <sup>+</sup> -pyridylimidazoline. <i>Polyhedron</i> , <b>1991</b> , 10, 2541-2549	2.7	16
11	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> , <b>1991</b> , 10, 3848-3855	3.8	10
10	Spectroscopic and Magnetic Properties of Low Spin Chromium(II) Tris Complexes with the Bidentate β-diimine Ligands: 2,2 <sup>+</sup> -Pyridylbenzimidazole, 2,2 <sup>+</sup> -Pyridylimidazole and 2,2 <sup>+</sup> -Pyridylimidazoline. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>1990</b> , 20, 1-12		4
9	An electron spin resonance spectral study of bis(dimethylglyoximate)-cobalt(II) and some phosphine and phosphite adducts. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1990</b> , 3311		8

8	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> , <b>1990</b> , 29, 5113-5119	5.1	65
7	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> , <b>1982</b> , 104, 461-466	16.4	51
6	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> , <b>1982</b> , 21, 813-821	5.1	15
5	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</i>	4.2	11
4	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
3	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> , <b>1980</b> , 102, 916-924	16.4	55
2	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> , <b>1979</b> , 91, 1521-7	3.4	11
1	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> , <b>1978</b> , 100, 3967-3968	16.4	19