

# Armando J.L. Pombeiro

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1592346/armando-jl-pombeiro-publications-by-citations.pdf>  
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

878 papers	27,112 citations	75 h-index	106 g-index
942 ext. papers	29,160 ext. citations	4.7 avg, IF	7.43 L-index

#	Paper	IF	Citations
878	Additions to metal-activated organonitriles. <i>Chemical Reviews</i> , <b>2002</b> , 102, 1771-802	68.1	648
877	Metal-mediated and metal-catalyzed hydrolysis of nitriles. <i>Inorganica Chimica Acta</i> , <b>2005</b> , 358, 1-21	2.7	365
876	Chalcogen bonding in synthesis, catalysis and design of materials. <i>Dalton Transactions</i> , <b>2017</b> , 46, 10121-10138	10.3	247
875	Multinuclear copper triethanolamine complexes as selective catalysts for the peroxidative oxidation of alkanes under mild conditions. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 4345-9	16.4	229
874	Oxovanadium complexes in catalytic oxidations. <i>Coordination Chemistry Reviews</i> , <b>2011</b> , 255, 2232-2248	23.2	227
873	Oxime and oximate metal complexes: unconventional synthesis and reactivity. <i>Coordination Chemistry Reviews</i> , <b>1999</b> , 181, 147-175	23.2	219
872	Non-covalent interactions in the synthesis of coordination compounds: Recent advances. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 345, 54-72	23.2	181
871	Supramolecular assemblies of trinuclear triangular copper(II) secondary building units through hydrogen bonds. Generation of different metal-organic frameworks, valuable catalysts for peroxidative oxidation of alkanes. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 221-30	5.1	179
870	Vanadium complexes: Recent progress in oxidation catalysis. <i>Coordination Chemistry Reviews</i> , <b>2015</b> , 301-302, 200-239	23.2	175
869	Multicopper complexes and coordination polymers for mild oxidative functionalization of alkanes. <i>Coordination Chemistry Reviews</i> , <b>2012</b> , 256, 2741-2759	23.2	175
868	Electron-transfer activated metal-based anticancer drugs. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 1569-1583	3.7	168
867	Mild Peroxidative Oxidation of Cyclohexane Catalyzed by Mono-, Di-, Tri-, Tetra- and Polynuclear Copper Triethanolamine Complexes. <i>Advanced Synthesis and Catalysis</i> , <b>2006</b> , 348, 159-174	5.6	153
866	Metal-ion assisted reactions of oximes and reactivity of oxime-containing metal complexes. <i>Coordination Chemistry Reviews</i> , <b>1996</b> , 156, 333-362	23.2	153
865	Aminocarbene complexes derived from nucleophilic addition to isocyanide ligands. <i>Coordination Chemistry Reviews</i> , <b>2001</b> , 218, 75-112	23.2	152
864	Tuning of redox potentials for the design of ruthenium anticancer drugs -- an electrochemical study of [trans-RuCl(4)L(DMSO)](-) and [trans-RuCl(4)L(2)](-) complexes, where L = imidazole, 1,2,4-triazole, indazole. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 7083-93	5.1	143
863	Direct and remarkably efficient conversion of methane into acetic acid catalyzed by amavadin and related vanadium complexes. A synthetic and a theoretical DFT mechanistic study. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 10531-45	16.4	138
862	Mechanism of oxidations with H <sub>2</sub> O <sub>2</sub> catalyzed by vanadate anion or oxovanadium(V) triethanolamine (vanadatane) in combination with pyrazine-2-carboxylic acid (PCA): Kinetic and DFT studies. <i>Journal of Catalysis</i> , <b>2009</b> , 267, 140-157	7.3	136

861	Tris(pyrazol-1-yl)methane metal complexes for catalytic mild oxidative functionalizations of alkanes, alkenes and ketones. <i>Coordination Chemistry Reviews</i> , <b>2014</b> , 265, 74-88	23.2	135
860	Differentially selective chemosensor with fluorescence off-on responses on Cu(2+) and Zn(2+) ions in aqueous media and applications in pyrophosphate sensing, live cell imaging, and cytotoxicity. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 6655-64	5.1	134
859	Remarkably fast oxidation of alkanes by hydrogen peroxide catalyzed by a tetracopper(II) triethanolamine complex: Promoting effects of acid co-catalysts and water, kinetic and mechanistic features. <i>Journal of Catalysis</i> , <b>2009</b> , 268, 26-38	7.3	124
858	Half-Sandwich Scorpionate Vanadium, Iron and Copper Complexes: Synthesis and Application in the Catalytic Peroxidative Oxidation of Cyclohexane under Mild Conditions. <i>Advanced Synthesis and Catalysis</i> , <b>2008</b> , 350, 706-716	5.6	121
857	An Aqua-Soluble Copper(II) Sodium Two-Dimensional Coordination Polymer with Intercalated Infinite Chains of Decameric Water Clusters. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 2200-2203	3.5	114
856	Heterometallic Co(III)4Fe(III)2 Schiff base complex: structure, electron paramagnetic resonance, and alkane oxidation catalytic activity. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 9110-22	5.1	113
855	Barbituric acids as a useful tool for the construction of coordination and supramolecular compounds. <i>Coordination Chemistry Reviews</i> , <b>2014</b> , 265, 1-37	23.2	110
854	Self-assembled copper(II) coordination polymers derived from aminopolyalcohols and benzenepolycarboxylates: structural and magnetic properties. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 162-75	5.1	109
853	Single-pot conversion of methane into acetic acid in the absence of CO and with vanadium catalysts such as amavadine. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 821-3	16.4	109
852	Zinc(II)/ketoxime system as a simple and efficient catalyst for hydrolysis of organonitriles. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 4798-804	5.1	108
851	Electron-donor/acceptor properties of carbynes, carbenes, vinylidenes, allenylidenes and alkynyls as measured by electrochemical ligand parameters. <i>Journal of Organometallic Chemistry</i> , <b>2005</b> , 690, 6021-6040	2.3	106
850	Resonance-Assisted Hydrogen Bonding as a Driving Force in Synthesis and a Synthron in the Design of Materials. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 16356-16398	4.8	103
849	An unprecedented heterotrimetallic Fe/Cu/Co core for mild and highly efficient catalytic oxidation of cycloalkanes by hydrogen peroxide. <i>Chemical Communications</i> , <b>2006</b> , 4605-7	5.8	101
848	Catalytic Oxidation of Alcohols. <i>Advances in Organometallic Chemistry</i> , <b>2015</b> , 91-174	3.8	100
847	Mono-, di- and polynuclear copper(II) compounds derived from N-butyldiethanolamine: structural features, magnetism and catalytic activity for the mild peroxidative oxidation of cyclohexane. <i>Dalton Transactions</i> , <b>2009</b> , 2109-20	4.3	100
846	Platinum(IV)-Assisted [2 + 3] Cycloaddition of Nitrones to Coordinated Organonitriles. Synthesis of $\beta$ -1,2,4-Oxadiazolines. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 3106-3111	16.4	96
845	Diorganotin(IV) derivatives of substituted benzohydroxamic acids with high antitumor activity. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 1456-62	4.8	95
844	Aminocarbene complexes derived from nucleophilic addition to isocyanide ligands. <i>Coordination Chemistry Reviews</i> , <b>2001</b> , 218, 75-112	23.2	95

- 843 Participation of Oligovanadates in Alkane Oxidation with H<sub>2</sub>O<sub>2</sub> Catalyzed by Vanadate Anion in Acidified Acetonitrile: Kinetic and DFT Studies. *ACS Catalysis*, **2011**, 1, 1511-1520 13.1 92
- 842 Radical formation in the [MeReO<sub>3</sub>]-catalyzed aqueous peroxidative oxidation of alkanes: a theoretical mechanistic study. *Inorganic Chemistry*, **2009**, 48, 307-18 5.1 92
- 841 Novel Scorpionate and Pyrazole Dioxovanadium Complexes, Catalysts for Carboxylation and Peroxidative Oxidation of Alkanes. *Advanced Synthesis and Catalysis*, **2010**, 352, 171-187 5.6 91
- 840 Synthesis, X-ray diffraction structures, spectroscopic properties, and in vitro antitumor activity of isomeric (1H-1,2,4-triazole)Ru(III) complexes. *Inorganic Chemistry*, **2003**, 42, 6024-31 5.1 91
- 839 Aminocarbyne complexes derived from isocyanides activated towards electrophilic addition. *Coordination Chemistry Reviews*, **2001**, 218, 43-74 23.2 90
- 838 Single-Pot Ethane Carboxylation Catalyzed by New Oxorhenium(V) Complexes with N,O Ligands. *Advanced Synthesis and Catalysis*, **2005**, 347, 1435-1446 5.6 89
- 837 Novel Metal-Mediated (M = Pd, Pt) Coupling between Isonitriles and Benzophenone Hydrazone as a Route to Aminocarbene Complexes Exhibiting High Catalytic Activity (M = Pd) in the Suzuki-Miyaura Reaction. *Organometallics*, **2009**, 28, 6559-6566 3.8 88
- 836 Copper(II) coordination polymers derived from triethanolamine and pyromellitic acid for bioinspired mild peroxidative oxidation of cyclohexane. *Journal of Inorganic Biochemistry*, **2008**, 102, 1190-4 4.2 88
- 835 Amavadinone as a catalyst for the peroxidative halogenation, hydroxylation and oxygenation of alkanes and benzene. *Chemical Communications*, **2000**, 1845-1846 5.8 88
- 834 Aliphatic Dicarboxylate Directed Assembly of Silver(I) 1,3,5-Triaza-7-phosphaadamantane Coordination Networks: Topological Versatility and Antimicrobial Activity. *Crystal Growth and Design*, **2014**, 14, 5408-5417 3.5 87
- 833 3D hydrogen bonded heteronuclear Cu(I), Ni(II), Cu(II) and Zn(II) aqua complexes derived from dipicolinic acid. *Inorganica Chimica Acta*, **2007**, 360, 506-512 2.7 87
- 832 Homo- and heterometallic polynuclear transition metal catalysts for alkane C-H bonds oxidative functionalization: Recent advances. *Coordination Chemistry Reviews*, **2018**, 355, 199-222 23.2 86
- 831 Silver(I) 1,3,5-Triaza-7-phosphaadamantane Coordination Polymers Driven by Substituted Glutarate and Malonate Building Blocks: Self-Assembly Synthesis, Structural Features, and Antimicrobial Properties. *Inorganic Chemistry*, **2016**, 55, 5886-94 5.1 86
- 830 Coordination chemistry of thiazoles, isothiazoles and thiadiazoles. *Coordination Chemistry Reviews*, **2016**, 308, 32-55 23.2 86
- 829 Ortho-hydroxyphenylhydrazo- $\beta$ -diketones: tautomerism, coordination ability, and catalytic activity of their copper(II) complexes toward oxidation of cyclohexane and benzylic alcohols. *Inorganic Chemistry*, **2011**, 50, 918-31 5.1 86
- 828 Self-Assembled Two-Dimensional Water-Soluble Dipicolinate Cu/Na Coordination Polymer: Structural Features and Catalytic Activity for the Mild Peroxidative Oxidation of Cycloalkanes in Acid-Free Medium. *European Journal of Inorganic Chemistry*, **2008**, 2008, 3423-3427 2.3 86
- 827 Synthesis and characterization of copper(II) 4'-phenyl-terpyridine compounds and catalytic application for aerobic oxidation of benzylic alcohols. *Dalton Transactions*, **2014**, 43, 4048-58 4.3 84
- 826 Gold nanoparticles supported on carbon materials for cyclohexane oxidation with hydrogen peroxide. *Applied Catalysis A: General*, **2013**, 467, 279-290 5.1 83

825	New silver BioMOFs driven by 1,3,5-triaza-7-phosphaadamantane-7-sulfide (PTAS): synthesis, topological analysis and antimicrobial activity. <i>CrystEngComm</i> , <b>2013</b> , 15, 8060	3.3	82
824	Alkanes to carboxylic acids in aqueous medium: metal-free and metal-promoted highly efficient and mild conversions. <i>Chemical Communications</i> , <b>2009</b> , 2353-5	5.8	82
823	New coordination polymers based on the triangular $[\text{Cu}_3(\mu_3\text{-OH})(\mu\text{-pz})_3]^{2+}$ unit and unsaturated carboxylates. <i>Dalton Transactions</i> , <b>2009</b> , 4928-41	4.3	82
822	Mild homogeneous oxidation of alkanes and alcohols including glycerol with tert-butyl hydroperoxide catalyzed by a tetracopper(II) complex. <i>Journal of Catalysis</i> , <b>2010</b> , 272, 9-17	7.3	82
821	Bioactive Silver-Organic Networks Assembled from 1,3,5-Triaza-7-phosphaadamantane and Flexible Cyclohexanecarboxylate Blocks. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 1486-96	5.1	81
820	Homogeneous and heterogenised new gold C-scorpionate complexes as catalysts for cyclohexane oxidation. <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 3056	5.5	81
819	Coordination chemistry of arylhydrazones of methylene active compounds. <i>Coordination Chemistry Reviews</i> , <b>2013</b> , 257, 1244-1281	23.2	81
818	Group 5 $\pi$ transition metal oxides as efficient catalysts for oxidative functionalization of alkanes under mild conditions. <i>Journal of Catalysis</i> , <b>2007</b> , 248, 130-136	7.3	81
817	Iminoacylation. 1. Addition of Ketoximes or Aldoximes to Platinum(IV)-Bound Organonitriles. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 6511-6517	5.1	81
816	Mild aerobic oxidation of benzyl alcohols to benzaldehydes in water catalyzed by aqua-soluble multicopper(II) triethanolamine compounds. <i>Journal of Molecular Catalysis A</i> , <b>2009</b> , 305, 178-182		80
815	Syntheses, molecular structures, electrochemical behavior, theoretical study, and antitumor activities of organotin(IV) complexes containing 1-(4-chlorophenyl)-1-cyclopentanecarboxylato ligands. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 8158-67	5.1	79
814	[2 + 3] cycloaddition of nitrones to platinum-bound organonitriles: effect of metal oxidation state and of nitrile substituent. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 264-71	5.1	79
813	Solvent-Dependent Structural Variation of Zinc(II) Coordination Polymers and Their Catalytic Activity in the Knoevenagel Condensation Reaction. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 4185-4197	3.5	78
812	Metal-Organic Frameworks with Pyridyl-Based Isophthalic Acid and Their Catalytic Applications in Microwave Assisted Peroxidative Oxidation of Alcohols and Henry Reaction. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 1837-1849	3.5	78
811	Zinc metal-organic frameworks: efficient catalysts for the diastereoselective Henry reaction and transesterification. <i>Dalton Transactions</i> , <b>2014</b> , 43, 7795-810	4.3	78
810	Cu(II) complexes bearing the 2,2,2-tris(1-pyrazolyl)ethanol or 2,2,2-tris(1-pyrazolyl)ethyl methanesulfonate scorpionates. X-Ray structural characterization and application in the mild catalytic peroxidative oxidation of cyclohexane. <i>Dalton Transactions</i> , <b>2009</b> , 9207-15	4.3	78
809	Facile Ni(II)/ketoxime-mediated conversion of organonitriles into imidoamidines ligands. Synthesis of imidoamidines and acetyl amides. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 7239-48	5.1	78
808	Electron-transfer induced isomerizations of coordination compounds. <i>Coordination Chemistry Reviews</i> , <b>2001</b> , 219-221, 53-80	23.2	77

807	Topologically Unique 2D Heterometallic CuII/Mg Coordination Polymer: Synthesis, Structural Features, and Catalytic Use in Alkane Hydrocarboxylation. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 1069-1074	2.5	76
806	Trinuclear Triangular Copper(II) Clusters [Synthesis, Electrochemical Studies and Catalytic Peroxidative Oxidation of Cycloalkanes. <i>European Journal of Inorganic Chemistry</i> , <b>2009</b> , 2009, 666-676	2.3	76
805	Redox potential and substituent effects at ferrocene derivatives. Estimates of Hammett $\rho$ and Taft polar $\rho$ substituent constants. <i>Journal of Organometallic Chemistry</i> , <b>1991</b> , 421, 75-90	2.3	75
804	Reactions of alkynes, isocyanides and cyanides at dinitrogen-binding transition metal centres. <i>Coordination Chemistry Reviews</i> , <b>1990</b> , 104, 13-38	23.2	75
803	Coordination chemistry of non-oxido, oxido and dioxidovanadium(IV/V) complexes with azine fragment ligands. <i>Coordination Chemistry Reviews</i> , <b>2014</b> , 265, 89-124	23.2	74
802	Tuning of redox properties for the design of ruthenium anticancer drugs: part 2. Syntheses, crystal structures, and electrochemistry of potentially antitumor [Ru III/II Cl <sub>6</sub> -n(Azole) <sub>n</sub> ]z (n = 3, 4, 6) complexes. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 6704-16	5.1	74
801	Water-Soluble C-Scorpionate Complexes [Catalytic and Biological Applications. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 2236-2252	2.3	73
800	Alkane oxidation by the H <sub>2</sub> O <sub>2</sub> -NaVO <sub>3</sub> H <sub>2</sub> SO <sub>4</sub> system in acetonitrile and water. <i>Tetrahedron</i> , <b>2009</b> , 65, 2424-2429	2.4	73
799	Heterogenisation of a C-Scorpionate FeII Complex on Carbon Materials for Cyclohexane Oxidation with Hydrogen Peroxide. <i>ChemCatChem</i> , <b>2013</b> , 5, 3847-3856	5.2	72
798	Solvent-free microwave-assisted peroxidative oxidation of secondary alcohols to the corresponding ketones catalyzed by copper(II) 2,4-alkoxy-1,3,5-triazapentadienato complexes. <i>Chemical Communications</i> , <b>2010</b> , 46, 2766-8	5.8	72
797	New copper(II) dimer with 3-(2-hydroxy-4-nitrophenylhydrazo)pentane-2,4-dione and its catalytic activity in cyclohexane and benzyl alcohol oxidations. <i>Journal of Molecular Catalysis A</i> , <b>2010</b> , 318, 44-50		72
796	Recent advances in organocatalytic enantioselective transfer hydrogenation. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 2307-2340	3.9	71
795	Synthesis, antimicrobial and antiproliferative activity of novel silver(I) tris(pyrazolyl)methanesulfonate and 1,3,5-triaza-7-phosphadamantane complexes. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 11173-83	5.1	71
794	A Route to 1,2,4-oxadiazoles and their complexes via platinum-mediated 1,3-dipolar cycloaddition of nitrile oxides to organonitriles. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 896-903	5.1	71
793	Carbon dioxide-to-methanol single-pot conversion using a C-scorpionate iron(II) catalyst. <i>Green Chemistry</i> , <b>2017</b> , 19, 4811-4815	10	70
792	Topologically unique heterometallic Cu(II)/Li coordination polymers self-assembled from N,N-bis(2-hydroxyethyl)-2-aminoethanesulfonic acid biobuffer: versatile catalyst precursors for mild hydrocarboxylation of alkanes to carboxylic acids. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 5224-34	5.1	70
791	Self-assembled 3D heterometallic Cu(II)/Fe(II) coordination polymers with octahedral net skeletons: structural features, molecular magnetism, thermal and oxidation catalytic properties. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 11096-105	5.1	70
790	Complexes of copper(II) with 3-(ortho-substituted phenylhydrazo)pentane-2,4-diones: syntheses, properties and catalytic activity for cyclohexane oxidation. <i>Dalton Transactions</i> , <b>2011</b> , 40, 2822-36	4.3	69



- 789 Mild alkane C-H and O-H oxidations catalysed by mixed-N,S copper, iron and vanadium systems. *Applied Catalysis A: General*, **2011**, 402, 110-120 5.1 69
- 788 An efficient synthesis of phthalocyanines based on an unprecedented double-addition of oximes to phthalonitriles. *Journal of the American Chemical Society*, **2004**, 126, 15040-1 16.4 69
- 787 Cobalt complexes bearing scorpionate ligands: synthesis, characterization, cytotoxicity and DNA cleavage. *Dalton Transactions*, **2012**, 41, 12888-97 4.3 68
- 786 Bringing an "old" biological buffer to coordination chemistry: new 1D and 3D coordination polymers with [Cu(4)(Hbes)(4)] cores for mild hydrocarboxylation of alkanes. *Inorganic Chemistry*, **2010**, 49, 6390-2 5.1 68
- 785 Cu(I) complexes bearing the new sterically demanding and coordination flexible tris(3-phenyl-1-pyrazolyl)methanesulfonate ligand and the water-soluble phosphine 1,3,5-triaza-7-phosphaadamantane or related ligands. *Inorganic Chemistry*, **2008**, 47, 10158-68 5.1 68
- 784 Tautomeric effect of hydrazone Schiff bases in tetranuclear Cu(II) complexes: magnetism and catalytic activity towards mild hydrocarboxylation of alkanes. *Dalton Transactions*, **2013**, 42, 16578-87 4.3 67
- 783 Identification of Hexameric Water and Hybrid Water-Chloride Clusters Intercalated in the Crystal Hosts of (Imidoamidine)nickel(II) Complexes. *European Journal of Inorganic Chemistry*, **2007**, 2007, 4621-4627 2.3 67
- 782 Alkali metal directed assembly of heterometallic V(v)/M (M = Na, K, Cs) coordination polymers: structures, topological analysis, and oxidation catalytic properties. *Inorganic Chemistry*, **2013**, 52, 8601-11 5.1 66
- 781 Zinc(II) ortho-hydroxyphenylhydrazo-diketetonate complexes and their catalytic ability towards diastereoselective nitroaldol (Henry) reaction. *Dalton Transactions*, **2011**, 40, 5352-61 4.3 66
- 780 1,3,5-Triaza-7-phosphaadamantane-7-oxide (PTA $\text{O}$ ): New Diamondoid Building Block for Design of Three-Dimensional Metal-Organic Frameworks. *Crystal Growth and Design*, **2011**, 11, 2711-2716 3.5 66
- 779 Iminoacylation. 3. Formation of platinum(IV)-based metallaligands due to facile one-end addition of vic-dioximes to coordinated organonitriles. *Inorganic Chemistry*, **2000**, 39, 216-25 5.1 66
- 778 Template syntheses of copper(II) complexes from arylhydrazones of malononitrile and their catalytic activity towards alcohol oxidations and the nitroaldol reaction: hydrogen bond-assisted ligand liberation and E/Z isomerisation. *Chemistry - A European Journal*, **2013**, 19, 588-600 4.8 65
- 777 Amavadin, a vanadium natural complex: Its role and applications. *Coordination Chemistry Reviews*, **2013**, 257, 2388-2400 23.2 65
- 776 Mild oxidative functionalization of alkanes and alcohols catalyzed by new mono- and dicopper(II) aminopolyalcoholates. *Journal of Molecular Catalysis A*, **2011**, 350, 26-34 65
- 775 Polynuclear diorganotin(IV) complexes with arylhydroxamates: Syntheses, structures and in vitro cytotoxic activities. *Journal of Inorganic Biochemistry*, **2008**, 102, 901-9 4.2 65
- 774 Copper-organic frameworks assembled from in situ generated 5-(4-pyridyl)tetrazole building blocks: synthesis, structural features, topological analysis and catalytic oxidation of alcohols. *Dalton Transactions*, **2014**, 43, 9944-54 4.3 64
- 773 A hexanuclear mixed-valence oxovanadium(IV,V) complex as a highly efficient alkane oxidation catalyst. *Inorganic Chemistry*, **2012**, 51, 11229-31 5.1 64
- 772 Mild oxidation of alkanes and toluene by tert-butylhydroperoxide catalyzed by an homogeneous and immobilized Mn(salen) complex. *Applied Catalysis A: General*, **2010**, 372, 191-198 5.1 64

771	Multicopper(II) Pyromellitate Compounds: Self-Assembly Synthesis, Structural Topologies, and Magnetic Features. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 4100-4108	3.5	64
770	Amavadin and other vanadium complexes as remarkably efficient catalysts for one-pot conversion of ethane to propionic and acetic acids. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 1828-42	4.8	64
769	Pnictogen bonding in coordination chemistry. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 418, 213381	23.2	64
768	A new binuclear oxovanadium(V) complex as a catalyst in combination with pyrazinecarboxylic acid (PCA) for efficient alkane oxygenation by H <sub>2</sub> O <sub>2</sub> . <i>Dalton Transactions</i> , <b>2013</b> , 42, 11791-803	4.3	63
767	Self-assembled dicopper(II) diethanolamine cores for mild aerobic and peroxidative oxidation of alcohols. <i>Dalton Transactions</i> , <b>2010</b> , 39, 9879-88	4.3	63
766	Coupling between 3-Iminoisoindolin-1-ones and Complexed Isonitriles as a Metal-Mediated Route to a Novel Type of Palladium and Platinum Iminocarbene Species. <i>Organometallics</i> , <b>2008</b> , 27, 5379-5389	3.8	63
765	Syntheses, structure, and reactivity of chiral titanium compounds: procatalysts for olefin polymerization. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 951-8	4.8	63
764	Redox potential and substituent effects in ferrocene derivatives: II. <i>Journal of Organometallic Chemistry</i> , <b>1994</b> , 480, 81-90	2.3	63
763	Homogeneous Multicopper Catalysts for Oxidation and Hydrocarboxylation of Alkanes. <i>Advances in Inorganic Chemistry</i> , <b>2013</b> , 1-31	2.1	62
762	Efficient cyclohexane oxidation with hydrogen peroxide catalysed by a C-scorpionate iron(II) complex immobilized on desilicated MOR zeolite. <i>Applied Catalysis A: General</i> , <b>2013</b> , 464-465, 43-50	5.1	62
761	Pyrazole or tris(pyrazolyl)ethanol oxo-vanadium(IV) complexes as homogeneous or supported catalysts for oxidation of cyclohexane under mild conditions. <i>Journal of Molecular Catalysis A</i> , <b>2013</b> , 367, 52-60		62
760	Water-Soluble Cobalt(II) and Copper(II) Complexes of 3-(5-Chloro-2-hydroxy-3-sulfophenylhydrazo)pentane-2,4-dione as Building Blocks for 3D Supramolecular Networks and Catalysts for TEMPO-Mediated Aerobic Oxidation of Benzylic Alcohols. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 4175-4181	2.3	62
759	Engineering Coordination and Supramolecular Copper(II) Organic Networks by Aqueous Medium Self-Assembly with 1,3,5-Triaza-7-phosphaadamantane (PTA). <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 3006-3010	3.5	62
758	Pyrazole and trispyrazolylmethane rhenium complexes as catalysts for ethane and cyclohexane oxidations. <i>Applied Catalysis A: General</i> , <b>2007</b> , 317, 43-52	5.1	62
757	Azametallacycles from Ag(I)- or Cu(II)-promoted coupling reactions of dialkylcyanamides with oximes at Pt(II). <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 1134-42	5.1	62
756	The First Copper Complexes Bearing the 1,3,5-Triaza-7-phosphaadamantane (PTA) Ligand. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 2686-2692	2.3	61
755	Platinum(IV)-mediated hydrolysis of nitriles giving metal-bound iminols. <i>Dalton Transactions RSC</i> , <b>2002</b> , 1882-1887		60
754	Dinuclear Mn(II,II) complexes: magnetic properties and microwave assisted oxidation of alcohols. <i>Dalton Transactions</i> , <b>2014</b> , 43, 3966-77	4.3	59



753	Poly(vinyl) chloride membrane copper-selective electrode based on 1-phenyl-2-(2-hydroxyphenylhydrazo)butane-1,3-dione. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 186, 1154-1162	12.8	59
752	Mild, single-pot hydrocarboxylation of gaseous alkanes to carboxylic acids in metal-free and copper-promoted aqueous systems. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 9485-93	4.8	59
751	3D hydrogen bonded metal-organic frameworks constructed from [M(H <sub>2</sub> O) <sub>6</sub> ][M'(dipicolinate) <sub>2</sub> ] <sub>n</sub> H <sub>2</sub> O (M/M'= Zn/Ni or Ni/Ni). Identification of intercalated acyclic (H <sub>2</sub> O) <sub>6</sub> /(H <sub>2</sub> O) <sub>10</sub> clusters. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 1728-1737	2.7	59
750	Platinum(IV)-mediated nitrile-sulfimide coupling: a route to heterodiazadienes. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 301-11	5.1	59
749	Synthesis, chemical and electrochemical deprotonation reactions of aminocarbene complexes of palladium(II) and platinum(II). X-ray structure of {(PPh <sub>3</sub> )ClPt(=C,N)} <sub>2</sub> . <i>Inorganica Chimica Acta</i> , <b>1991</b> , 189, 175-187	2.7	59
748	Single-pot template transformations of cyanopyridines on a Pd(II) centre: syntheses of ketoimine and 2,4-dipyridyl-1,3,5-triazapentadiene palladium(II) complexes and their catalytic activity for microwave-assisted Suzuki-Miyaura and Heck reactions. <i>Dalton Transactions</i> , <b>2009</b> , 3074-84	4.3	58
747	Novel Reactivity Mode of Metal Diaminocarbenes: Palladium(II)-Mediated Coupling between Acyclic Diaminocarbenes and Isonitriles Leading to Dinuclear Species. <i>Organometallics</i> , <b>2011</b> , 30, 3362-3370	3.8	57
746	Metal-Free and Copper-Promoted Single-Pot Hydrocarboxylation of Cycloalkanes to Carboxylic Acids in Aqueous Medium. <i>Advanced Synthesis and Catalysis</i> , <b>2009</b> , 351, 2936-2948	5.6	57
745	Oxidations of cycloalkanes and benzene by hydrogen peroxide catalyzed by an {Fe(III)N <sub>2</sub> S <sub>2</sub> } centre. <i>Applied Catalysis A: General</i> , <b>2009</b> , 353, 107-112	5.1	57
744	An Infinite Two-Dimensional Hybrid Water-Chloride Network, Self-Assembled in a Hydrophobic Terpyridine Iron(II) Matrix. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 782-785	3.5	57
743	Cyclohexane oxidation with dioxygen catalyzed by supported pyrazole rhenium complexes. <i>Journal of Molecular Catalysis A</i> , <b>2008</b> , 285, 92-100		57
742	Pop-the-cork strategy in synthetic utilization of imines: stabilization by complexation and activation via liberation of the ligated species. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 3602-8	5.1	57
741	Formation of carbyne-like ligands by the protonation of isonitriles ligating electron-rich metal centres; X-ray structure of trans-[Mo(CNMe) <sub>2</sub> (Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> )]. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1975</b> , 708		57
740	Intracellular detection of Cu(2+) and S(2-) ions through a quinazoline functionalized benzimidazole-based new fluorogenic differential chemosensor. <i>Dalton Transactions</i> , <b>2015</b> , 44, 16953-64	4.3	56
739	pH dependent synthesis of Zn(II) and Cd(II) coordination polymers with dicarboxyl-functionalized arylhydrazone of barbituric acid: photoluminescence properties and catalysts for Knoevenagel condensation. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 1535-1546	3.6	56
738	Coordination chemistry of 1,3,5-triazapentadienes. <i>Coordination Chemistry Reviews</i> , <b>2011</b> , 255, 339-355	23.2	56
737	The electronic properties of isocyanides at rhenium-dinitrogen binding sites. Preparation and redox properties of the isocyanide complexes trans-[ReCl(CNR)(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ]. <i>Journal of Organometallic Chemistry</i> , <b>1982</b> , 224, 285-294	2.3	56
736	Bis- and tris-pyridyl amino and imino thioether Cu and Fe complexes. Thermal and microwave-assisted peroxidative oxidations of 1-phenylethanol and cyclohexane in the presence of various N-based additives. <i>Journal of Molecular Catalysis A</i> , <b>2011</b> , 351, 100-111		55

735	Heterometallic Cu/Co and Cu/Co/Zn complexes bearing rare asymmetric tetranuclear cores: synthesis, structures, and magnetic and catalytic properties toward the peroxidative oxidation of cycloalkanes. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 4401-11	5.1	55
734	Areneruthenium(II) 4-acyl-5-pyrazolonate derivatives: coordination chemistry, redox properties, and reactivity. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 8245-57	5.1	55
733	Recent advances in amide functionalized metal organic frameworks for heterogeneous catalytic applications. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 395, 86-129	23.2	54
732	Alkoxy-1,3,5-triazapentadien(e/ato) copper(II) complexes: template formation and applications for the preparation of pyrimidines and as catalysts for oxidation of alcohols to carbonyl products. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 899-914	4.8	54
731	Characterization of Coordination Compounds by Electrochemical Parameters. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 1473-1482	2.3	54
730	1,3-Dipolar Cycloaddition of Nitrones to Free and Pt-Bound Nitriles. A Theoretical Study of the Activation Effect, Reactivity, and Mechanism. <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 6108-6120	2.8	54
729	Reduction of (imine)Pt(IV) to (imine)Pt(II) complexes with carbonyl-stabilized phosphorus ylides. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 1683-9	5.1	54
728	Copper(II) Complexes with Schiff Bases Containing a Disiloxane Unit: Synthesis, Structure, Bonding Features and Catalytic Activity for Aerobic Oxidation of Benzyl Alcohol. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 1458-1474	2.3	53
727	A new family of luminescent compounds: platinum(II) imidoamidates exhibiting pH-dependent room temperature luminescence. <i>Dalton Transactions</i> , <b>2006</b> , 3798-805	4.3	53
726	Diorganotin(IV) derivatives of arylhydroxamic acids: synthesis, properties and antitumor activity. <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 4584-4591	2.3	53
725	Mechanism of Al(3+)-catalyzed oxidations of hydrocarbons: dramatic activation of H <sub>2</sub> O <sub>2</sub> toward O-O homolysis in complex [Al(H <sub>2</sub> O) <sub>4</sub> (OOH)(H <sub>2</sub> O <sub>2</sub> )](2+) explains the formation of HO• radicals. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 3996-4005	5.1	52
724	Metal-mediated [2+3] cycloaddition of nitrones to palladium-bound isonitriles. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 5969-78	4.8	52
723	Heteronuclear iron(III)–chromium(III) hydroxo complexes and hydroxides, and their catalytic activity towards peroxidative oxidation of alkanes. <i>Journal of Molecular Catalysis A</i> , <b>2003</b> , 206, 163-178		52
722	Oxidovanadium complexes with tridentate arylhydrazone as catalyst precursors for solvent-free microwave-assisted oxidation of alcohols. <i>Applied Catalysis A: General</i> , <b>2015</b> , 493, 50-57	5.1	51
721	Novel Coordination Polymers with (Pyrazolato)-Based Tectons: Catalytic Activity in the Peroxidative Oxidation of Alcohols and Cyclohexane. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 2303-2317	3.5	51
720	Microwave-assisted and solvent-free peroxidative oxidation of 1-phenylethanol to acetophenone with a Cu(II)/EMPO catalytic system. <i>Catalysis Communications</i> , <b>2014</b> , 48, 69-72	3.2	51
719	Generation of HO• Radical from Hydrogen Peroxide Catalyzed by Aqua Complexes of the Group III Metals [M(H <sub>2</sub> O) <sub>n</sub> ] <sup>3+</sup> (M = Ga, In, Sc, Y, or La): A Theoretical Study. <i>ACS Catalysis</i> , <b>2013</b> , 3, 1195-1208	13.1	51
718	Unsymmetrical Ni(II)-imidoylamidine complexes derived from a novel oxime-mediated single-pot reaction of nitriles. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 786-91	4.8	51

7 <sup>17</sup>	Hydrolytic metal-mediated coupling of dialkylcyanamides at a Pt(IV) center giving a new family of diimino ligands. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 7560-8	5.1	5 <sup>1</sup>
7 <sup>16</sup>	Direct addition of alcohols to organonitriles activated by ligation to a platinum(IV) center. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 2041-53	5.1	5 <sup>1</sup>
7 <sup>15</sup>	Conversion of alkanenitriles to amidines and carboxylic acids mediated by a cobalt(II) ketoxime system. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2001</b> , 1569-1573		5 <sup>1</sup>
7 <sup>14</sup>	Copper(II) arylhydrazone complexes as catalysts for CH activation in the Henry reaction in water. <i>Journal of Molecular Catalysis A</i> , <b>2017</b> , 426, 526-533		5 <sup>0</sup>
7 <sup>13</sup>	Recent advances on supramolecular isomerism in metal organic frameworks. <i>CrystEngComm</i> , <b>2017</b> , 19, 4666-4695	3.3	5 <sup>0</sup>
7 <sup>12</sup>	Recent Advances in Cascade Reactions Initiated by Alcohol Oxidation. <i>ChemCatChem</i> , <b>2017</b> , 9, 217-246	5.2	5 <sup>0</sup>
7 <sup>11</sup>	Copper(II) complexes of arylhydrazones of 1,2-diketones immobilized on ZnAl layered double hydroxides as effective recyclable catalysts for peroxidative oxidation of alkanes. <i>Applied Catalysis A: General</i> , <b>2012</b> , 439-440, 15-23	5.1	5 <sup>0</sup>
7 <sup>10</sup>	Synthesis, characterization, solid-state photo-luminescence and anti-tumor activity of zinc(II) 4'-phenyl-terpyridine compounds. <i>Journal of Inorganic Biochemistry</i> , <b>2010</b> , 104, 704-11	4.2	5 <sup>0</sup>
7 <sup>09</sup>	Oxidation of hydrocarbons with hydrogen peroxide catalyzed by maltolato vanadium complexes covalently bonded to silica gel. <i>Catalysis Communications</i> , <b>2007</b> , 8, 1516-1520	3.2	5 <sup>0</sup>
7 <sup>08</sup>	Metal-assisted coupling of oximes and nitriles: a synthetic, structural and theoretical study. <i>Dalton Transactions RSC</i> , <b>2000</b> , 4683-4693		5 <sup>0</sup>
7 <sup>07</sup>	Reactivity of carbyne and carbene complexes of molybdenum and tungsten. <i>Transition Metal Chemistry</i> , <b>1980</b> , 5, 55-59	2.1	5 <sup>0</sup>
7 <sup>06</sup>	Novel Palladium-Aminocarbene Species Derived from Metal-Mediated Coupling of Isonitriles and 1,3-Diiminoisoindoline: Synthesis and Catalytic Application in Suzuki-Miyaura Cross-Coupling. <i>Organometallics</i> , <b>2012</b> , 31, 2379-2387	3.8	4 <sup>9</sup>
7 <sup>05</sup>	Nitrile-amidine coupling at Pt(IV) and Pt(II) centers. An easy entry to imidoamidine complexes. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 5152-60	5.1	4 <sup>9</sup>
7 <sup>04</sup>	Copper(II) complexes with a new carboxylic-functionalized arylhydrazone of 1,2-diketone as effective catalysts for acid-free oxidations. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 1646	3.6	4 <sup>8</sup>
7 <sup>03</sup>	Hydrogen bond assisted activation of a dinitrile towards nucleophilic attack. <i>Chemical Communications</i> , <b>2011</b> , 47, 7248-50	5.8	4 <sup>8</sup>
7 <sup>02</sup>	Syntheses, Spectroscopy, and Redox Properties of Fluoro-Carbyne and Derived Fluoro-Vinylidene Complexes of Rhenium and of Analogous Chloro Complexes. <i>Organometallics</i> , <b>1997</b> , 16, 4469-4478	3.8	4 <sup>8</sup>
7 <sup>01</sup>	Aminocarbyne complexes derived from isocyanides activated towards electrophilic addition. <i>Coordination Chemistry Reviews</i> , <b>2001</b> , 218, 43-74	23.2	4 <sup>8</sup>
7 <sup>00</sup>	A heterometallic (Fe <sub>6</sub> Na <sub>8</sub> ) cage-like silsesquioxane: synthesis, structure, spin glass behavior and high catalytic activity. <i>RSC Advances</i> , <b>2016</b> , 6, 48165-48180	3.7	4 <sup>8</sup>

- 699 Lanthanide metal organic frameworks based on dicarboxyl-functionalized arylhydrazone of barbituric acid: syntheses, structures, luminescence and catalytic cyanosilylation of aldehydes. *Dalton Transactions*, **2017**, 46, 8649-8657 4.3 47
- 698 Di- and tri-organotin(IV) complexes of arylhydrazones of methylene active compounds and their antiproliferative activity. *Journal of Organometallic Chemistry*, **2014**, 760, 67-73 2.3 47
- 697 Aquasoluble iron(III)-arylhydrazone- $\beta$ -diketone complexes: structure and catalytic activity for the peroxidative oxidation of C5-C8 cycloalkanes. *Journal of Inorganic Biochemistry*, **2012**, 115, 72-7 4.2 47
- 696 Oxorhenium complexes bearing the water-soluble tris(pyrazol-1-yl)methanesulfonate, 1,3,5-triaza-7-phosphaadamantane, or related ligands, as catalysts for Baeyer-Villiger oxidation of ketones. *Inorganic Chemistry*, **2013**, 52, 4534-46 5.1 47
- 695 Scorpionate complexes of vanadium(III or IV) as catalyst precursors for solvent-free cyclohexane oxidation with dioxygen. *Pure and Applied Chemistry*, **2009**, 81, 1217-1227 2.1 47
- 694 Stereochemical investigation of the addition of primary and secondary aliphatic amines to the nitrile complexes cis- and trans-[PtCl<sub>2</sub>(NCMe)<sub>2</sub>]. X-ray structures of the amidine complexes trans-[Pt(NH<sub>2</sub>Pri)<sub>2</sub>{Z?N(H)?C(NHPri)Me}]Cl<sub>2</sub>·H<sub>2</sub>O and trans-[PtCl<sub>2</sub>(NCMe){E?N(H)?C(NMeBut)Me}]. *Journal of Inorganic Chemistry*, **2003**, 333, 336-338 2.7 47
- 693 Preparation and Crystal Structures of Benzoylhydrazido- and-diazenidorhenium Complexes with N,O-Ligands and Their Catalytic Activity Towards Peroxidative Oxidation of Cycloalkanes. *European Journal of Inorganic Chemistry*, **2005**, 2005, 2071-2080 2.3 47
- 692 Catalytic oxidation of cyclohexane with hydrogen peroxide and a tetracopper(II) complex in an ionic liquid. *Comptes Rendus Chimie*, **2015**, 18, 758-765 2.7 46
- 691 Synthesis, structure and catalytic application of lead(II) complexes in cyanosilylation reactions. *Dalton Transactions*, **2015**, 44, 268-80 4.3 46
- 690 Palladium-ADC complexes as efficient catalysts in copper-free and room temperature Sonogashira coupling. *Journal of Molecular Catalysis A*, **2014**, 395, 162-171 46
- 689 Cooperative metal-ligand assisted E/Z isomerization and cyano activation at Cu(II) and Co(II) complexes of arylhydrazones of active methylene nitriles. *Inorganic Chemistry*, **2014**, 53, 9946-58 5.1 46
- 688 Sulfonated Schiff base dinuclear and polymeric copper(II) complexes: crystal structures, magnetic properties and catalytic application in Henry reaction. *New Journal of Chemistry*, **2015**, 39, 3424-3434 3.6 46
- 687 Coordination Chemistry of the (E-p-Cymene)ruthenium(II) Fragment with Bis-, Tris-, and Tetrakis(pyrazol-1-yl)borate Ligands: Synthesis, Structural, Electrochemical, and Catalytic Diastereoselective Nitroaldol Reaction Studies. *Organometallics*, **2011**, 30, 1616-1626 3.8 46
- 686 (E)-2-(2-(2-hydroxyphenyl)hydrazono)-1-phenylbutane-1,3-dione: Tautomery and coordination to copper(II). *Inorganica Chimica Acta*, **2011**, 374, 175-180 2.7 46
- 685 Oxadiazoline and ketoimine palladium(II) complexes supported on a chitosan membrane and their catalytic activity for the microwave-assisted Suzuki-Miyaura cross-coupling in water. *Applied Catalysis A: General*, **2011**, 397, 94-102 5.1 46
- 684 Synthesis and structural characterization of iron complexes with 2,2,2-tris(1-pyrazolyl)ethanol ligands: Application in the peroxidative oxidation of cyclohexane under mild conditions. *Journal of Organometallic Chemistry*, **2011**, 696, 1310-1318 2.3 46
- 683 Microwave synthesis of mono- and bis-tetrazolato complexes via 1,3-dipolar cycloaddition of organonitriles with platinum(II)-bound azides. *Dalton Transactions*, **2007**, 5297-304 4.3 46
- 682 Facile rhenium(IV)-mediated coupling of acetonitrile and oximes. *Journal of the Chemical Society Dalton Transactions*, **1999**, 4083-4086 46

- 681 Preparation of the isocyanide complexes trans-[ReCl(CNR)(dppe)<sub>2</sub>](R = Me or But) and their reactions with acid to give carbyne complexes. X-Ray crystal structure of trans-[ReCl(CNHMe)(dppe)<sub>2</sub>][BF<sub>4</sub>]. *Journal of the Chemical Society Dalton Transactions*, **1981**, 1629 46
- 680 Preparation, structure, and redox properties of isocyanide complexes of molybdenum(0) and tungsten(0). *Journal of the Chemical Society Dalton Transactions*, **1978**, 165 46
- 679 Rhenium complexes of tris(pyrazolyl)methanes and sulfonate derivative. *Dalton Transactions*, **2006**, 4954-61 45
- 678 Addition reactions of primary and secondary aliphatic amines to the benzonitrile ligands in cis- and trans-[PtCl<sub>2</sub>(NCPh)<sub>2</sub>] complexes. X-ray structure of the amidine complex trans-[PtCl<sub>2</sub>{Z-N(H)?C(NHBut)Ph}<sub>2</sub>]. *Inorganica Chimica Acta*, **2002**, 334, 437-447 2.7 45
- 677 Vanadium-catalyzed carboxylation of linear and cyclic C and C alkanes. *Journal of Catalysis*, **2005**, 235, 333-340 7.3 45
- 676 Synthesis, DNA binding, cellular DNA lesion and cytotoxicity of a series of new benzimidazole-based Schiff base copper(II) complexes. *Dalton Transactions*, **2015**, 44, 19983-96 4.3 44
- 675 Cyclic carbonate synthesis from CO<sub>2</sub> and epoxides using zinc(II) complexes of arylhydrazones of  $\beta$ -diketones. *Journal of Catalysis*, **2016**, 335, 135-140 7.3 44
- 674 Effect of Phenolic Compounds on the Synthesis of Gold Nanoparticles and its Catalytic Activity in the Reduction of Nitro Compounds. *Nanomaterials*, **2018**, 8, 5-4 44
- 673 EChlorido-Bridged Dimanganese(II) Complexes of the Schiff Base Derived from [2+2] Condensation of 2,6-Diformyl-4-methylphenol and 1,3-Bis(3-aminopropyl)tetramethyldisiloxane: Structure, Magnetism, Electrochemical Behaviour, and Catalytic Oxidation of Secondary Alcohols. *European Journal of Inorganic Chemistry*, **2014**, 2014, 120-131 2.3 44
- 672 Synthesis, characterization, photoluminescent and thermal properties of zinc(II) 4?-phenyl-terpyridine compounds. *New Journal of Chemistry*, **2013**, 37, 1529 3.6 44
- 671 Lanthanide derivatives comprising arylhydrazones of  $\beta$ -diketones: cooperative E/Z isomerization and catalytic activity in nitroaldol reaction. *Dalton Transactions*, **2015**, 44, 5602-10 4.3 44
- 670 Water-soluble heterometallic copper(II)-sodium complex comprising arylhydrazone of barbituric acid as a ligand. *Inorganic Chemistry Communication*, **2012**, 22, 187-189 3.1 44
- 669 Heterometallic Copper(II)Potassium 3D Coordination Polymers Driven by Multifunctionalized Azo Derivatives of  $\beta$ -Diketones. *Crystal Growth and Design*, **2011**, 11, 4247-4252 3.5 44
- 668 Direct and efficient transformation of gaseous alkanes into carboxylic acids catalyzed by vanadium containing heteropolyacids. *Applied Catalysis A: General*, **2007**, 332, 159-165 5.1 44
- 667 Evidence for a Michaelis-Menten Type Mechanism in the Electrocatalytic Oxidation of Mercaptopropionic Acid by an Amavadine Model. *Journal of the American Chemical Society*, **1996**, 118, 7568-7573 16.4 44
- 666 Recent Developments in Transition Metal-Catalyzed Cross-Dehydrogenative Coupling Reactions of Ethers and Thioethers. *ChemCatChem*, **2018**, 10, 3354-3383 5.2 43
- 665 2-Dihydromethylpiperazinedium-M(II) (M(II) = Cu(II), Fe(II), Co(II), Zn(II)) double sulfates and their catalytic activity in diastereoselective nitroaldol (Henry) reaction. *Dalton Transactions*, **2013**, 42, 399-406 4.3 43
- 664 Trinuclear CuII Structural Isomers: Coordination, Magnetism, Electrochemistry and Catalytic Activity towards the Oxidation of Alkanes. *European Journal of Inorganic Chemistry*, **2015**, 2015, 3959-3969 2.3 43



663	3-(para-Substituted phenylhydrazo)pentane-2,4-diones: Physicochemical and solvatochromic properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2011</b> , 219, 159-165	4.7	43
662	New water-soluble azido- and derived tetrazolato-platinum(II) complexes with PTA. Easy metal-mediated synthesis and isolation of 5-substituted tetrazoles. <i>Dalton Transactions</i> , <b>2008</b> , 6546-55	4.3	43
661	Peroxidative oxidation of benzene and mesitylene by vanadium catalysts. <i>Journal of Molecular Catalysis A</i> , <b>2004</b> , 224, 189-195		43
660	Microwave-assisted [2 + 3] cycloaddition of nitrones to platinum-(II) and -(IV) bound organonitriles. <i>Dalton Transactions</i> , <b>2003</b> , 2540-2543	4.3	43
659	Rhodium(III)-mediated oxime-tritrile coupling giving chelated iminoacylated species. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1999</b> , 3047-3052		43
658	A hydroperoxo-rebound mechanism of alkane oxidation with hydrogen peroxide catalyzed by binuclear manganese(IV) complex in the presence of an acid with involvement of atmospheric dioxygen. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 455, 666-676	2.7	42
657	Alkane oxidation with peroxides catalyzed by cage-like copper(II) silsesquioxanes. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 187-199	3.6	42
656	Iron(III) and cobalt(III) complexes with both tautomeric (keto and enol) forms of arylhydrazone ligands: catalysts for the microwave assisted oxidation of alcohols. <i>RSC Advances</i> , <b>2016</b> , 6, 8079-8088	3.7	42
655	Synthesis, structure and catalytic applications of amidoterephthalate copper complexes in the diastereoselective Henry reaction in aqueous medium. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 4837-4846	3.6	42
654	Water-Soluble Copper(II) Complexes with a Sulfonic-Functionalized Arylhydrazone of 1,2-Diketone and Their Application in Peroxidative Allylic Oxidation of Cyclohexene. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 2305-2313	2.3	42
653	Aqua complex of iron(III) and 5-chloro-3-(2-(4,4-dimethyl-2,6-dioxocyclohexylidene)hydrazinyl)-2-hydroxybenzenesulfonate: Structure and catalytic activity in Henry reaction. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1048, 108-112	3.4	42
652	Unprecedented Metal-Free C(sp <sup>3</sup> )-C(sp <sup>3</sup> ) Bond Cleavage: Switching from N-Alkyl- to N-Methyl-1,3,5-triaza-7-phosphaadamantane. <i>Organometallics</i> , <b>2009</b> , 28, 1683-1687	3.8	42
651	Copper(II) complexes with carboxylic- or sulfonic-functionalized arylhydrazones of acetoacetanilide and their application in cyanosilylation of aldehydes. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 834, 22-27	2.3	41
650	Syntheses, structures, and antimicrobial activity of new remarkably light-stable and water-soluble tris(pyrazolyl)methanesulfonate silver(I) derivatives of N-methyl-1,3,5-triaza-7-phosphaadamantane salt - [mPTA]BF <sub>4</sub> . <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 434-40	5.1	41
649	Synthesis, characterization, thermal properties and antiproliferative potential of copper(II) 4'-phenyl-terpyridine compounds. <i>Dalton Transactions</i> , <b>2016</b> , 45, 5339-55	4.3	41
648	Halogen-bonded tris(2,4-bis(trichloromethyl)-1,3,5-triazapentadienato)-M(III) [M = Mn, Fe, Co] complexes and their catalytic activity in the peroxidative oxidation of 1-phenylethanol to acetophenone. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 4807-4815	3.6	41
647	Theory of the formation and decomposition of N-heterocyclic aminooxycarbenes through metal-assisted [2+3]-dipolar cycloaddition/retro-cycloaddition. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 2874-88	4.8	41
646	Theoretical study of redox induced isomerizations, structure and bonding of nitrile, isocyanide and carbonyl complexes of rhenium. <i>Dalton Transactions</i> , <b>2003</b> , 738-747	4.3	41



- 645 High Catalytic Activity of Vanadium Complexes in Alkane Oxidations with Hydrogen Peroxide: An Effect of 8-Hydroxyquinoline Derivatives as Noninnocent Ligands. *Inorganic Chemistry*, **2018**, 57, 1824-1839 5.1 40
- 644 Radical decomposition of hydrogen peroxide catalyzed by aqua complexes  $[M(H_2O)_n]^{2+}$  ( $M = Be, Zn, Cd$ ). *Journal of Catalysis*, **2014**, 313, 135-148 7.3 40
- 643 Decamethylosmocene-catalyzed efficient oxidation of saturated and aromatic hydrocarbons and alcohols with hydrogen peroxide in the presence of pyridine?. *Journal of Catalysis*, **2011**, 277, 164-172 7.3 40
- 642 Ion Pairs of 5,5-dimethyl-2-(2-hydroxy-3,5-disulfophenylhydrazo)cyclohexane-1,3-dione with Cationic Surface-Active Substances as Analytical Reagent for Determination of Copper(II). *Analytical Letters*, **2010**, 43, 2923-2938 2.2 40
- 641 The double-helicate terpyridine silver(I) compound  $[Ag_2L_2](SO_3CF_3)_2$  ( $L = 4,4'$ -phenyl-terpyridine) as a building block for di- and mononuclear complexes. *Inorganica Chimica Acta*, **2009**, 362, 2921-2926 2.7 40
- 640 Extending the coordination chemistry of 1,3,5-triaza-7-phosphaadamantane (PTA) to cobalt centers: first examples of co-PTA complexes and of a metal complex with the PTA oxide ligand. *Inorganic Chemistry*, **2008**, 47, 2922-4 5.1 40
- 639 Syntheses and properties of Re(III) complexes derived from hydrotris(1-pyrazolyl)methanes: molecular structure of  $[ReCl_2(HCpz_3)(PPh_3)] [BF_4]$ . *Journal of Organometallic Chemistry*, **2005**, 690, 1947-1958 2.3 40
- 638 Novel reactivity mode of hydroxamic acids: a metalla-pinner reaction. *Inorganic Chemistry*, **2002**, 41, 2981-6 5.6 40
- 637 Synthesis of alkylidyne complexes of rhenium by protonation of the vinylidene complexes  $trans-[ReCl(\eta^5-C_5H_5)(Ph_2PCH_2CH_2PPh_2)_2]$  ( $R = alkyl$  or  $aryl$ ): crystal structure of  $trans-[ReF(\eta^5-C_5H_5)(Ph_2PCH_2CH_2PPh_2)_2] [BF_4]$ . *Journal of Organometallic Chemistry*, **1988**, 352, C5-C7 2.3 40
- 636 A novel route to metallacyclopentene ( $\eta^2$ -vinyl) complexes from alkynes: synthesis and X-ray crystal structure of  $trans-[ReCl\{C(CH_2Ph)CH_2\}(Ph_2PCH_2CH_2PPh_2)_2] [BF_4]$ . *Journal of the Chemical Society Chemical Communications*, **1986**, 1125-1127 40
- 635 Protonation of isonitriles ligating molybdenum(0) and tungsten(0) at nitrogen giving complexes of carbyne and carbene ligands. *Journal of the Chemical Society Dalton Transactions*, **1980**, 492 40
- 634 Supported Gold Nanoparticles as Reusable Catalysts for Oxidation Reactions of Industrial Significance. *ChemCatChem*, **2017**, 9, 1211-1221 5.2 39
- 633 Polynuclear Copper(II) Complexes as Catalysts for the Peroxidative Oxidation of Cyclohexane in a Room-Temperature Ionic Liquid. *European Journal of Inorganic Chemistry*, **2014**, 2014, 4541-4550 2.3 39
- 632 Trends in properties of para-substituted 3-(phenylhydrazo)pentane-2,4-diones. *Journal of Physical Organic Chemistry*, **2011**, 24, 764-773 2.1 39
- 631 The first direct observation of N-O bond cleavage in the oxidative addition of an oxime to a metal centre. Synthesis and crystal structure of the methyleneamide complex  $trans-[Re(OH)(NCMe_2)(Ph_2PCH_2CH_2PPh_2)_2] [HSO_4]$ . *Journal of the Chemical Society Dalton Transactions*, **1998**, 325-326 39
- 630 Highly Efficient Direct Carboxylation of Propane into Butyric Acids Catalyzed by Vanadium Complexes. *Advanced Synthesis and Catalysis*, **2007**, 349, 1765-1774 5.6 39
- 629 Structure, Electrochemistry and Hydroformylation Catalytic Activity of the Bis(pyrazolylborato)rhodium(I) Complexes  $[RhBp(CO)P]$  [ $P = P(NC_4H_4)_3, PPh_3, PCy_3, P(C_6H_4OMe-4)_3$ ]. *European Journal of Inorganic Chemistry*, **2004**, 2004, 1411-1419 2.3 39
- 628 Selective single-pot oxidation of cyclohexane by molecular oxygen in presence of bis(maltolato)oxovanadium complexes covalently bonded to carbamated modified silica gel. *Journal of Molecular Catalysis A*, **2005**, 239, 96-102 39

- 627 Coordination chemistry of CNH<sub>2</sub>, the simplest aminocarbyne. *Journal of Organometallic Chemistry*, **2001**, 617-618, 65-69 2.3 39
- 626 Highly efficient and reusable CNT supported iron(II) catalyst for microwave assisted alcohol oxidation. *Dalton Transactions*, **2016**, 45, 6816-9 4.3 39
- 625 Tetrel, halogen and hydrogen bonds in bis(4-((E)-(2,2-dichloro-1-(4-substitutedphenyl)vinyl)diazenyl)phenyl)methane dyes. *Dyes and Pigments*, **2018**, 150, 377-381 4.6 38
- 624 Vanadium(V) Complexes with Substituted 1,5-bis(2-hydroxybenzaldehyde)carbohydrazones and Their Use As Catalyst Precursors in Oxidation of Cyclohexane. *Inorganic Chemistry*, **2016**, 55, 9187-203 5.1 38
- 623 Oxidation of olefins with H<sub>2</sub>O<sub>2</sub> catalysed by salts of group III metals (Ga, In, Sc, Y and La): epoxidation versus hydroperoxidation. *Catalysis Science and Technology*, **2016**, 6, 1343-1356 5.5 38
- 622 Supported bis(maltolato)oxovanadium complexes as catalysts for cyclopentane and cyclooctane oxidations with dioxygen. *Journal of Molecular Catalysis A*, **2007**, 265, 59-69 38
- 621 Cis addition of dimethylamine to the coordinated nitriles of cis- and trans-[PtCl<sub>2</sub>(NCMe)<sub>2</sub>]. X-ray structure of the amidine complex cis-[PtCl<sub>2</sub>{E-N(H)?C(NMe<sub>2</sub>)Me}<sub>2</sub>][CH<sub>2</sub>Cl<sub>2</sub>]. *Inorganic Chemistry Communication*, **2001**, 4, 275-280 3.1 38
- 620 Activation of organonitriles toward beta-electrophilic attack. Synthesis and characterization of methyleneamide (azavinylidene) complexes of rhenium. *Inorganic Chemistry*, **2002**, 41, 219-28 5.1 38
- 619 Conversion of alk-1-yne into alkyne, alkynyl, alkylidyne and alkylidene complexes of molybdenum and tungsten. *Journal of the Chemical Society Dalton Transactions*, **1992**, 1775 38
- 618 Effective cyanosilylation of aldehydes with copper(II)-based polymeric catalysts. *Molecular Catalysis*, **2017**, 428, 17-23 3.3 37
- 617 Nanoporous lanthanide metal-organic frameworks as efficient heterogeneous catalysts for the Henry reaction. *CrystEngComm*, **2016**, 18, 1337-1349 3.3 37
- 616 New Coordination Polymers and Porous Supramolecular Metal Organic Network Based on the Trinuclear Triangular Secondary Building Unit [Cu<sub>3</sub>(β-OH)(Epz)<sub>3</sub>]<sub>2</sub><sup>+</sup> and 4,4'-Bipyridine. 1<sup>st</sup> *Crystal Growth and Design*, **2012**, 12, 2890-2901 3.5 37
- 615 Activation of C≡N bond of propionitrile: An alternative route to the syntheses of 5-substituted-1H-tetrazoles and dicyano-platinum(II) species. *Polyhedron*, **2008**, 27, 2883-2888 2.7 37
- 614 Unusual reaction between (nitrile)Pt complexes and pyrazoles: substitution proceeds via metal-mediated nitrile-pyrazole coupling followed by elimination of the nitrile. *Inorganic Chemistry*, **2006**, 45, 5073-83 5.1 37
- 613 Redox potential, ligand and structural effects in rhodium(I) complexes. *Journal of Organometallic Chemistry*, **2001**, 620, 174-181 2.3 37
- 612 Isocyanide derivatives of ferrocene. Preparation, complexation and redox properties. *Journal of Organometallic Chemistry*, **1987**, 335, 239-247 2.3 37
- 611 Redox properties of the carbyne, aminocarbyne and η<sup>2</sup>-vinyl complexes trans-[ReCl(LH)(dppe)<sub>2</sub>][BF<sub>4</sub>] (LH = CCH<sub>2</sub>But, CCH<sub>2</sub>Ph, CNH<sub>2</sub> or η<sup>2</sup>-C(CH<sub>2</sub>Ph)CH<sub>2</sub>) and of their parent vinylidene, isocyanide and allene compounds. *Journal of Organometallic Chemistry*, **1988**, 356, 679-689 2.3 37
- 610 A novel route to methyleneamido ligands by protonation of nitriles ligating an electron-rich centre. Synthesis of trans-[ReCl(NCR)(dppe)<sub>2</sub>] (R = alkyl or aryl, dppe = Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>) and [ReCl(NCHC<sub>6</sub>H<sub>4</sub>OMe-4)(dppe)<sub>2</sub>][BF<sub>4</sub>]. *Journal of the Chemical Society Chemical Communications*, **1988**, 1052-1053 37

609	The reactions of isonitrile complexes of molybdenum(0) and tungsten(0) with alkylating agents to give carbyne (aminomethyne) complexes. <i>Journal of Organometallic Chemistry</i> , <b>1980</b> , 184, 357-364	2.3	37
608	Biological characterization of the antiproliferative potential of Co(II) and Sn(IV) coordination compounds in human cancer cell lines: a comparative proteomic approach. <i>Drug Metabolism and Drug Interactions</i> , <b>2013</b> , 28, 167-76		36
607	Mixed dinitrogen-organocyanamide complexes of molybdenum(0) and their protic conversion into hydrazide and amidoazavinylidene derivatives. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 2157-64	5.1	36
606	First observation of metal-mediated nitrile-imine coupling giving ligated 1,3-diaza-1,3-dienes. <i>Dalton Transactions RSC</i> , <b>2001</b> , 560-566		36
605	Protonation of the nitrite ligand versus protonation of rhenium at cis- or trans-[ReCl(NCC6H4R-4)(Ph2PCH2CH2PPh2)2] (R = Cl, F, Me or MeO). A mechanistic study. <i>Journal of Organometallic Chemistry</i> , <b>1993</b> , 461, 141-145	2.3	36
604	The aminocarbyne ligand CNH2: metal-centred synthesis from a cyanosilane, preparation and X-ray structure of trans-[ReCl(CNH2)(Ph2PCH2CH2PPh2)2]BF4. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1986</b> , 246		36
603	Ligand Design for N, O- or N, N-Pyrazolone-Based Hydrazones Ruthenium(II)-Arene Complexes and Investigation of Their Anticancer Activity. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 14123-14133	5.1	36
602	Pnictogen, halogen and hydrogen bonds in (E)-1-(2,2-dichloro-1-(2-nitrophenyl)vinyl)-2-(para-substituted phenyl)-diazenes. <i>Dyes and Pigments</i> , <b>2018</b> , 159, 135-141	4.6	36
601	Amide functionalized metal-organic frameworks for diastereoselective nitroaldol (Henry) reaction in aqueous medium. <i>RSC Advances</i> , <b>2015</b> , 5, 87400-87410	3.7	35
600	Polynuclear Heterometallic Complexes from Metal Powders: The Direct Synthesis Approach. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 4496-4517	2.3	35
599	New FeII and CuII Complexes Bearing Azathia Macrocycles as Catalyst Precursors for Mild Peroxidative Oxidation of Cyclohexane and 1-Phenylethanol. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, n/a-n/a	2.3	35
598	First example of an imine addition to coordinated isonitrile. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 833-838	2.7	35
597	Bifunctional activation of cyanoguanidine. Synthesis and molecular structure of the azametallacycle cis-[(PPh3)2Pt{NHC(OMe)=NC(NH2)=NH}][BPh4]. <i>Inorganica Chimica Acta</i> , <b>1997</b> , 265, 267-270	2.7	35
596	Mononuclear diorganotin(IV) complexes with arylhydroxamates: syntheses, structures and assessment of in vitro cytotoxicity. <i>Applied Organometallic Chemistry</i> , <b>2007</b> , 21, 919-925	3.1	35
595	Metal-free and PdII-promoted [2+3] cycloadditions of a cyclic nitrone to phthalonitriles: syntheses of oxadiazolines as well as phthalamide-PdII and dihydropyrrolyl-iminoisoindolinone-PdII complexes with high catalytic activity in Suzuki-Miyaura cross-coupling reactions. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 9312-22	4.8	35
594	Reactivity of Coordinated Nitriles <b>2003</b> , 639-660		35
593	Syntheses and properties of cyanamide and cyanoguanidine complexes of platinum(II). X-Ray structure of trans-[Pt(CF3)(NCNEt2)(PPh3)2][BF4]. <i>Journal of Organometallic Chemistry</i> , <b>1995</b> , 490, 89-99	2.3	35
592	An η2-allene complex of rhenium formed from an alkyne: X-ray structure of [ReCl(η2-H2C=CHPh)(Ph2PCH2CH2PPh2)2]. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1984</b> , 992-993		35

591	Preparation and redox properties of the complexes trans-[ReL2(dppe)2]BF4 (L = CO or isocyanide). Estimate of the oxidation potential of octahedral 18-electron complexes with 14-electron square planar metal centres and of related electrochemical parameters for derived 16-electron sites. <i>Inorganica Chimica Acta</i> , <b>1985</b> , 103, 95-103	2.7	35
590	Oxidation of Olefins with Hydrogen Peroxide Catalyzed by Bismuth Salts: A Mechanistic Study. <i>ACS Catalysis</i> , <b>2015</b> , 5, 3823-3835	13.1	34
589	Tetranuclear Copper(II) Complexes with Macrocyclic and Open-Chain Disiloxane Ligands as Catalyst Precursors for Hydrocarboxylation and Oxidation of Alkanes and 1-Phenylethanol. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 4946-4956	2.3	34
588	Cobalt and Zinc Compounds Bearing 1,10-Phenanthroline-5,6-dione or 1,3,5-Triaza-7-phosphaadamantane Derivatives [Synthesis, Characterization, Cytotoxicity, and Cell Selectivity Studies. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 3651-3658	2.3	34
587	Synthesis, crystal structures and catalytic activity of Cu(II) and Mn(III) Schiff base complexes: Influence of additives on the oxidation catalysis of cyclohexane and 1-phenylethanol. <i>Journal of Molecular Catalysis A</i> , <b>2017</b> , 426, 506-515		34
586	Water-soluble and stable dinitrogen phosphine complexes trans-[ReCl(N2)(PTA-H)n(PTA)4-n]n+ (n = 0-4), the first with 1,3,5-triaza-7-phosphaadamantane. <i>Dalton Transactions</i> , <b>2008</b> , 87-91	4.3	34
585	Stereospecific synthesis of polysubstituted E-olefins by reaction of acyclic nitrones with free and platinum(II) coordinated organonitriles. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 750-5	4.2	34
584	1,3-Dipolar cycloaddition of nitrile oxides to free and Pt-bound nitriles: a theoretical study of the activation effect, reactivity and mechanism. <i>Inorganica Chimica Acta</i> , <b>2003</b> , 356, 85-94	2.7	34
583	Electrochemical synthesis of adducts of 2-aminopyridine or methanol in metal chelates of a N,N,N-tridentate Schiff base ligand. X-ray crystal structures of the Ni(II) and Zn(II) derivatives. <i>Polyhedron</i> , <b>2003</b> , 22, 1335-1340	2.7	34
582	Organometallic compounds in cancer therapy: past lessons and future directions. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2014</b> , 14, 1199-212	2.2	34
581	DNA and BSA binding and cytotoxic properties of copper(II) and iron(III) complexes with arylhydrazone of ethyl 2-cyanoacetate or formazan ligands. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 4076-4086	3.6	33
580	Oxidation of hydrocarbons with H2O2/O2 catalyzed by osmium complexes containing p-cymene ligands in acetonitrile. <i>Catalysis Science and Technology</i> , <b>2014</b> , 4, 3214-3226	5.5	33
579	Novel and Mild Route to Phthalocyanines and 3-Iminoisoindolin-1-ones via N,N-Diethylhydroxylamine-Promoted Conversion of Phthalonitriles and a Dramatic Solvent-Dependence of the Reaction. <i>Advanced Synthesis and Catalysis</i> , <b>2008</b> , 350, 135-142	5.6	33
578	Oxyfunctionalization of n-pentane and n-hexane by oxovanadium complexes supported on carbamated modified silica gel. <i>Applied Catalysis A: General</i> , <b>2006</b> , 304, 185-194	5.1	33
577	Multinuclear Copper Triethanolamine Complexes as Selective Catalysts for the Peroxidative Oxidation of Alkanes under Mild Conditions. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 4419-4423	3.6	33
576	Coordination chemistry of CNH, the simplest isocyanide. <i>Inorganic Chemistry Communication</i> , <b>2001</b> , 4, 585-597	3.1	33
575	Platinum(IV)-mediated coupling of dione monoximes and nitriles: a novel reactivity pattern of the classic oxime-based chelating ligands. <i>New Journal of Chemistry</i> , <b>2002</b> , 26, 1085-1091	3.6	33
574	Metal-mediated hydrolysis of the oxime CN bond to produce RhIII-bound O-iminoacylated MeC(NH)ONH2 species. <i>Dalton Transactions RSC</i> , <b>2000</b> , 1567-1572		33

573	Chemistry and electrochemistry of phosphonium-functionalized isocyanide and derived carbene and indole complexes of Group 6 transition-metal carbonyls. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1992</b> , 2827		33
572	Electrophilic addition to isocyanide, cyanide and alkyne-derived ligands. <i>Polyhedron</i> , <b>1989</b> , 8, 1595-1600	2.7	33
571	TEMPO in metal complex catalysis. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 423, 213482	23.2	33
570	Cobalt complexes with pyrazole ligands as catalyst precursors for the peroxidative oxidation of cyclohexane: X-ray absorption spectroscopy studies and biological applications. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 1132-43	4.5	32
569	Comparative theoretical study of 1,3-dipolar cycloadditions of allyl-anion type dipoles to free and Pt-bound nitriles. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 1474-90	4.2	32
568	Mechanism of the Formation of Carbyne Complexes of Rhenium upon Protonation of Vinylidene Precursors. <i>Organometallics</i> , <b>1997</b> , 16, 5441-5448	3.8	32
567	Synthesis of (1,2,4-Oxadiazole)palladium(II) Complexes by [2 + 3] Cycloaddition of Nitrile Oxides to Organonitriles in the Presence of PdCl <sub>2</sub> . <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 845-853	2.3	32
566	N <sub>2</sub> O-Free single-pot conversion of cyclohexane to adipic acid catalysed by an iron(II) scorpionate complex. <i>Green Chemistry</i> , <b>2017</b> , 19, 1499-1501	10	31
565	Copper(II) and cobalt(II) tetrazole-saccharinate complexes as effective catalysts for oxidation of secondary alcohols. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 425, 283-290		31
564	Sulfonated Schiff base Sn(IV) complexes as potential anticancer agents. <i>Journal of Inorganic Biochemistry</i> , <b>2016</b> , 162, 83-95	4.2	31
563	NiII, CuII and ZnII complexes with a sterically hindered scorpionate ligand (TpmsPh) and catalytic application in the diastereoselective nitroaldol (Henry) reaction. <i>Dalton Transactions</i> , <b>2014</b> , 43, 15192-2004	4.3	31
562	Mild oxidative alkane functionalization with peroxides in the presence of ferrocene. <i>Catalysis Communications</i> , <b>2013</b> , 31, 32-36	3.2	31
561	Switching between kappa(2) and kappa(3) bis(pyrazol-1-yl)acetate ligands by tuning reaction conditions: synthesis, spectral, electrochemical, structural, and theoretical studies on arene-Ru(II) derivatives of bis(azol-1-yl)acetate ligands. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 6096-108	5.1	31
560	Kinetic and thermodynamic aspects of the regioselective addition of bifunctional hydroxylaminooxime-type HO-nucleophiles to Pt-complexed nitriles. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 2296-306	5.1	31
559	Iminoacylation: 2. Addition of alkylated hydroxylamines via oxygen to platinum(IV)-bound nitriles. <i>Inorganica Chimica Acta</i> , <b>1999</b> , 292, 272-275	2.7	31
558	Syntheses, properties and Mössbauer studies of cyanamide and cyanoguanidine complexes of iron(II). Crystal structures of trans-[FeH(NCNH <sub>2</sub> )(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ][BF <sub>4</sub> ] and trans-[Fe(NCNEt <sub>2</sub> ) <sub>2</sub> (Et <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PEt <sub>2</sub> ) <sub>2</sub> ][BF <sub>4</sub> ] <sub>2</sub> . <i>Inorganica Chimica Acta</i> , <b>1999</b> , 291, 39-48	2.7	31
557	Hydrido-complexes of molybdenum and tungsten with isonitrile and carbyne-type ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1979</b> , 1585		31
556	Oxidovanadium(V) Complexes Anchored on Carbon Materials as Catalysts for the Oxidation of 1-Phenylethanol. <i>ChemCatChem</i> , <b>2016</b> , 8, 2254-2266	5.2	31



555	Building 1,2,4-Thiadiazole: Ten Years of Progress. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 2670-2682	3.2	30
554	ADC-metal complexes as effective catalysts for hydrosilylation of alkynes. <i>Journal of Catalysis</i> , <b>2014</b> , 309, 79-86	7.3	30
553	Oxadiazoline and Ketoimine Palladium(II) Complexes as Highly Efficient Catalysts for Suzuki-Miyaura Cross-Coupling Reactions in Supercritical Carbon Dioxide. <i>Advanced Synthesis and Catalysis</i> , <b>2011</b> , 353, 1153-1160	5.6	30
552	Copper(I) Iodide Complexes Derived from N-Alkyl-1,3,5-triaza-7-phosphaadamantanes: Synthesis, Crystal Structures, Photoluminescence, and Identification of the Unprecedented {Cu3I5}2+ Cluster. <i>Organometallics</i> , <b>2009</b> , 28, 6425-6431	3.8	30
551	Pd(II)-promoted [2 + 3] cycloaddition of pyrroline N-oxide to organonitriles. Application of (Delta(4)-1,2,4-oxadiazoline)-Pd(II) complexes in the Suzuki-Miyaura reaction. <i>Dalton Transactions</i> , <b>2009</b> , 2210-6	4.3	30
550	1,3,5-Triazapentadiene Nickel(II) Complexes Derived from a Ketoxime-Mediated Single-Pot Transformation of Nitriles. <i>European Journal of Inorganic Chemistry</i> , <b>2010</b> , 2010, 2425-2432	2.3	30
549	Interplay between Nitrones and (Nitrile)PdII Complexes: Cycloaddition vs. Complexation Followed by Cyclopalladation and Deoxygenation Reactions. <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 3042-3048	2.3	30
548	Synthesis, Characterization, and Study of the Redox Properties of Rhenium(V) and Rhenium(III) Compounds with Tetrakis(pyrazol-1-yl)borate. <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 4729-4737	5.1	30
547	Coordination chemistry of nitriles and cyanamide at electron-rich metal centres. <i>Inorganica Chimica Acta</i> , <b>1992</b> , 198-200, 179-186	2.7	30
546	Synthesis of the cyanamide-derived bis(cyanoimido) complexes trans-[M(NCN)2(Ph2PCH2CH2PPh2)2] (M = Mo or W) and crystal structure of the molybdenum compound. <i>Journal of Organometallic Chemistry</i> , <b>1989</b> , 371, C45-C47	2.3	30
545	Reactions of 1-alkynes with trans-[ReCl(N2)(Ph2PCH2CH2PPh2)2]: preparation of the vinylidene compounds trans-[ReCl(CCHR)(Ph2PCH2CH2PPh2)2] (R = alkyl or aryl) and X-ray structure of trans-[ReCl(CCHPh)(Ph2PCH2CH2PPh2)2]. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1989</b> , 2381-2387		30
544	Allenylidene Iron(II) Complexes and Their Deprotonation, Nucleophilic Addition Reactions, and Cathodic Protonation toward Alkynyl Derivatives: A Chemical and Electrochemical Study. <i>Organometallics</i> , <b>2005</b> , 24, 4654-4665	3.8	29
543	Iminoacylation. <i>Inorganica Chimica Acta</i> , <b>2000</b> , 300-302, 499-504	2.7	29
542	Synthesis, spectroscopic, magnetic and electrochemical properties of Cu(II) and Fe(III) complexes with the new ligand N,N'-[1,1'-dithiobis(phenyl)]bis(5?-methoxysalicylaldimine). <i>Inorganica Chimica Acta</i> , <b>1996</b> , 244, 25-36	2.7	29
541	Heterogenized C-Scorpionate Iron(II) Complex on Nanostructured Carbon Materials as Recyclable Catalysts for Microwave-Assisted Oxidation Reactions. <i>ChemCatChem</i> , <b>2018</b> , 10, 1821-1828	5.2	28
540	Tuning Cyclohexane Oxidation: Combination of Microwave Irradiation and Ionic Liquid with the C-Scorpionate [FeCl2(Tpm)] Catalyst. <i>Organometallics</i> , <b>2017</b> , 36, 192-198	3.8	28
539	Design of Silver(I)-PTA Coordination Polymers through Controlled N,P-Coordination of 1,3,5-Triaza-7-phosphaadamantane (PTA) with Arylcarboxylates. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 5244-5253	3.5	28
538	Synthesis, Reactivity, X-ray Crystal Structures and Electrochemical Behaviour of Water-Soluble [Tris(pyrazolyl)borato]ruthenium(II) Complexes of 1,3,5-Triaza-7-phosphaadamantane (PTA). <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 5523-5532	2.3	28



537	Metal-hydride bond activation and metal-metal interaction in dinuclear iron complexes with linking dinitriles: a synthetic, electrochemical, and theoretical study. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 6456-67	5.1	28
536	High-Cluster (Cu) Cage Silsesquioxanes: Synthesis, Structure, and Catalytic Activity. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 11524-11529	5.1	28
535	Hydrosoluble Cu(i)-DAPTA complexes: synthesis, characterization, luminescence thermochromism and catalytic activity for microwave-assisted three-component azide-alkyne cycloaddition click reaction. <i>Dalton Transactions</i> , <b>2018</b> , 47, 7290-7299	4.3	28
534	A Cu(ii) MOF with a flexible bifunctionalised terpyridine as an efficient catalyst for the single-pot hydrocarboxylation of cyclohexane to carboxylic acid in water/ionic liquid medium. <i>Dalton Transactions</i> , <b>2016</b> , 45, 12779-89	4.3	27
533	Hexanuclear and undecanuclear iron(III) carboxylates as catalyst precursors for cyclohexane oxidation. <i>Dalton Transactions</i> , <b>2013</b> , 42, 14388-401	4.3	27
532	Magnetic, high-field EPR studies and catalytic activity of Schiff base tetranuclear CuII2FeIII2 complexes obtained by direct synthesis. <i>Dalton Transactions</i> , <b>2013</b> , 42, 16909-19	4.3	27
531	Microwave-assisted peroxidative oxidation of toluene and 1-phenylethanol with monomeric keto and polymeric enol aroylhydrazone Cu(II) complexes. <i>Molecular Catalysis</i> , <b>2017</b> , 439, 224-232	3.3	27
530	Isocyanide Complexes with Platinum and Palladium and Their Reactivity toward Cycloadditions with Nitrones to Form Aminooxycarbenes: A Theoretical Study. <i>Organometallics</i> , <b>2009</b> , 28, 6593-6602	3.8	27
529	Molybdenum Complexes Bearing the Tris(1-pyrazolyl)methanesulfonate Ligand: Synthesis, Characterization and Electrochemical Behaviour. <i>European Journal of Inorganic Chemistry</i> , <b>2010</b> , 2010, 2415-2424	2.3	27
528	Pt(II)-promoted [2 + 3] cycloaddition of azide to cyanopyridines: convenient tool toward heterometallic structures. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 11334-41	5.1	27
527	NiII-mediated coupling between iminoisoindolinones and nitriles leading to unsymmetrical 1,3,5-triazapentadienato complexes. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 3088-94	5.1	27
526	Unprecedented single-pot synthesis of nitrile-derived ketoimino platinum(II) complexes by ring opening of Delta4-1,2,4-oxadiazolines. <i>Dalton Transactions</i> , <b>2004</b> , 2741-5	4.3	27
525	Regioselective HON-addition of bifunctional hydrazone oximes to Pt(IV)-bound nitriles. <i>Dalton Transactions</i> , <b>2004</b> , 1097-103	4.3	27
524	Reactions of a cyanosilane with an iron(II) centre. Synthesis and crystal structure of the isocyanotriphenylborate complex trans-[FeH(CNBPh3)(Ph2PCH2CH2PPh2)2] and anodic deprotonation of the hydrogen isocyanide (CNH) analogue. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1999</b> , 1183-1191		27
523	Aminocarbyne coupling reactions at M(Ph2PCH2CH2PPh2)2 (M = Mo or W) sites. Synthesis and properties of the diaminoacetylene complexes trans-[MX(2-MeHNCCNHMe)-(Ph2PCH2CH2PPh2)2]A (X = F, Cl or ClO4; A = BF4? PF6? HCl2 or ClO4) and of their di(aminocarbyne) derivatives. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1999</b> , 1193-1197		27
522	Structural and electronic comparison of 15- to 17-electron dichloro-complexes of molybdenum and rhenium: electrochemical behaviour and crystal structures of trans-[ReCl2(dppe)2]A (A = Cl or BF4; dppe = Ph2PCH2CH2PPh2), trans-[ReCl2(dppe)2] and [NBun4]2[trans-MoCl2(dppe)2][BF4]3. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1993</b> , 3015-3023		27
521	Cyanosilylation of aldehydes catalyzed by mixed ligand copper(II) complexes. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 471, 130-136	2.7	27
520	Catalytic behaviour of a novel Fe(III) Schiff base complex in the mild oxidation of cyclohexane. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 1801-1812	5.5	26

- 519 Recent developments in vanadium-catalyzed olefin coordination polymerization. *Coordination Chemistry Reviews*, **2020**, 416, 213332 23.2 26
- 518 Evaluation of cell toxicity and DNA and protein binding of green synthesized silver nanoparticles. *Biomedicine and Pharmacotherapy*, **2018**, 101, 137-144 7.5 26
- 517 Insights into the mechanisms underlying the antiproliferative potential of a Co(II) coordination compound bearing 1,10-phenanthroline-5,6-dione: DNA and protein interaction studies. *Journal of Biological Inorganic Chemistry*, **2014**, 19, 787-803 3.7 26
- 516 A cyclic tetranuclear cuboid type copper(II) complex doubly supported by cyclohexane-1,4-dicarboxylate: molecular and supramolecular structure and cyclohexane oxidation activity. *RSC Advances*, **2014**, 4, 48449-48457 3.7 26
- 515 Simple soluble Bi(III) salts as efficient catalysts for the oxidation of alkanes with H<sub>2</sub>O<sub>2</sub>. *Catalysis Science and Technology*, **2015**, 5, 2174-2187 5.5 26
- 514 Baeyer-Villiger oxidation of ketones catalysed by rhenium complexes bearing N- or oxo-ligands. *Applied Catalysis A: General*, **2012**, 443-444, 27-32 5.1 26
- 513 Crystal engineering with 1,3,5-triaza-7-phosphaadamantane (PTA): first PTA-driven 3D metal-organic frameworks. *CrystEngComm*, **2011**, 13, 6329 3.3 26
- 512 Copper-mediated imine-nitrile coupling leading to unsymmetric 1,3,5-triazapentadienato complexes containing the incorporated iminoisoindolin-1-one moiety. *Dalton Transactions*, **2008**, 5220-443 4.3 26
- 511 Mixed unsymmetric oxadiazoline and/or imine platinum(II) complexes. *Dalton Transactions*, **2007**, 3259-663 4.3 26
- 510 Zinc amidoisophthalate complexes and their catalytic application in the diastereoselective Henry reaction. *New Journal of Chemistry*, **2015**, 39, 3004-3014 3.6 25
- 509 Sulfonated Schiff base copper(II) complexes as efficient and selective catalysts in alcohol oxidation: syntheses and crystal structures. *RSC Advances*, **2015**, 5, 90079-90088 3.7 25
- 508 Biomolecular interaction, catecholase like activity and alkane oxidation in ionic liquids of a phenylcarbohydrazone-based monocopper(II) complex. *Inorganica Chimica Acta*, **2016**, 450, 426-436 2.7 25
- 507 Cyclic Trinuclear Diorganotin(IV) Complexes [The First Tin Compounds Bearing Oximehydroxamate Ligands: Synthesis, Structural Characterization and High In Vitro Cytotoxicity. *European Journal of Inorganic Chemistry*, **2009**, 2009, 3765-3769 2.3 25
- 506 Preparation and properties of mer-[ReCl(N<sub>2</sub>)(CNR){P(OMe)<sub>3</sub>}<sub>3</sub>](R = Me, Et, But, C<sub>6</sub>H<sub>4</sub>Me-4, or C<sub>6</sub>H<sub>4</sub>Cl-4) and [ReCl(N<sub>2</sub>)(CNMe)(PPh<sub>3</sub>){P(OEt)<sub>3</sub>}<sub>2</sub>]. X-Ray crystal structure of mer-[ReCl(N<sub>2</sub>)(CNMe){P(OMe)<sub>3</sub>}<sub>3</sub>] and reductive cleavage of the isocyanide ligands to primary amines. *Journal of Organometallic Chemistry*, **2007**, 687, 207-216 2.3 25
- 505 MnII and CuII complexes with arylhydrazones of active methylene compounds as effective heterogeneous catalysts for solvent- and additive-free microwave-assisted peroxidative oxidation of alcohols. *RSC Advances*, **2015**, 5, 25979-25987 3.7 24
- 504 Solvent-Free Microwave-Induced Oxidation of Alcohols Catalyzed by Ferrite Magnetic Nanoparticles. *Catalysts*, **2017**, 7, 222 4 24
- 503 Synthesis, structure and electrochemical behaviour of Na, MgII, MnII, ZnII, CdII and NiII complexes of 3-(2-carboxyphenylhydrazone)pentane-2,4-dione. *Polyhedron*, **2013**, 50, 374-382 2.7 24
- 502 Dimeric diorganotin(IV) complexes with arylhydrazones of  $\beta$ -diketones: synthesis, structures, cytotoxicity and apoptosis properties. *RSC Advances*, **2015**, 5, 45053-45060 3.7 24

501	Microwave synthesis of bis(tetrazolato)-PdII complexes with PPh <sub>3</sub> and water-soluble 1,3,5-triaza-7-phosphaadamantane (PTA). The first example of C≡N bond cleavage of propionitrile by a PdII Centre. <i>Journal of Organometallic Chemistry</i> , <b>2011</b> , 696, 3513-3520	2.3	24
500	Synthesis of mono- and bis-tetrazolato complexes of Ni(II), Pt(II) and Cu(II) via 1,3-dipolar cycloadditions of 2-cyanopyridines with metal ligated azides in N,N,O-aminoiminophenolato complexes. <i>Dalton Transactions</i> , <b>2009</b> , 4778-85	4.3	24
499	Reactivity of Pt- and Pd-bound nitriles towards nitrile oxides and nitrones: substitution vs. cycloaddition. <i>Dalton Transactions</i> , <b>2008</b> , 1312-22	4.3	24
498	Optically Active Mixed Unsymmetric Imine Platinum(II) Complexes Utilization of the Liberated Imines for Further Syntheses of Mixed Imine-Diazadiene Complexes and of (E)-Cyanoalkenes. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, 3668-3677	2.3	24
497	Synthesis of the water-soluble [Rh(Tpms)(CO)(PTA)] compound, the first transition metal complex bearing the 1,3,5-triaza-7-phosphaadamantane (PTA) and the tris(1-pyrazolyl)methanesulfonate (Tpms) ligands. <i>Journal of Organometallic Chemistry</i> , <b>2008</b> , 693, 2338-2344	2.3	24
496	Amidines derived from Pt(IV)-mediated nitrile-amino alcohol coupling and their Zn(II)-catalyzed conversion into oxazolines. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 2805-13	5.1	24
495	Activation of cyanamide by a molybdenum(0) diphosphinic centre. Formation of cyanoimide and its reactivity with electrophiles. <i>Dalton Transactions RSC</i> , <b>2002</b> , 1791-1799		24
494	Cyanide and methylisocyanide complexes of rhenium(I) [NBu <sub>4</sub> ][ReX(CN)(dppe) <sub>2</sub> ] (X = Cl or CN; dppe = Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) and trans-[ReX(CNMe)(dppe) <sub>2</sub> ] (X = H, F, Cl or CN): crystal structures of trans-[ReX(CNMe)(dppe) <sub>2</sub> ] (X = H or Cl). <i>Journal of Organometallic Chemistry</i> , <b>1994</b> , 469, 79-87	2.3	24
493	Reactions of trans-[ReCl(N <sub>2</sub> )(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ] with terminal acetylenes. Preparation and crystal structure of the vinylidene complex trans-[ReCl(C≡CHPh)(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ]. <i>Journal of Organometallic Chemistry</i> , <b>1984</b> , 277, C7-C10	2.3	24
492	Copper(II) and iron(III) complexes with arylhydrazone of ethyl 2-cyanoacetate or formazan ligands as catalysts for oxidation of alcohols. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 10071-10083	3.6	24
491	New p-tolylimido rhenium(V) complexes with carboxylate-based ligands: synthesis, structures and their catalytic potential in oxidations with peroxides. <i>Dalton Transactions</i> , <b>2014</b> , 43, 5759-76	4.3	23
490	Unusual shift of a nitro group in a phenylhydrazo- $\beta$ -diketone. <i>Dalton Transactions</i> , <b>2011</b> , 40, 12472-8	4.3	23
489	Tautomerism and acid-base properties of some azoderivatives of benzoylacetone. <i>Journal of Molecular Liquids</i> , <b>2011</b> , 162, 84-88	6	23
488	Ab initio study of the protic conversion of an allene into an $\eta^2$ -vinyl complex of Re, and on their structure, bonding and redox behaviour. <i>Dalton Transactions RSC</i> , <b>2000</b> , 4413-4421		23
487	Synthesis and Electrochemical and Theoretical Studies of Fischer-Type Alkenylcarbyne Tungsten Complexes [(dppe)(CO) <sub>2</sub> (RNC)W{CCHCCH <sub>2</sub> CH <sub>2</sub> (CH <sub>2</sub> ) <sub>n</sub> CH <sub>2</sub> }] [BF <sub>4</sub> ] (R = Alkyl, Aryl) <i>Organometallics</i> , <b>2001</b> , 20, 2782-2793	3.8	23
486	Different chlorination modes of oximes: chlorination of salicylaldoxime coordinated to platinum. <i>Inorganica Chimica Acta</i> , <b>1999</b> , 285, 116-121	2.7	23
485	Synthesis and electrochemical behaviour of the cyanamide-isocyanide complexes of rhenium, trans-[ReL(CNR)(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ]+ (L = NCNH <sub>2</sub> or NCNH) <i>Journal of Organometallic Chemistry</i> , <b>1991</b> , 410, 347-355	2.3	23
484	Novel synthesis of a phosphinidene oxide- $\eta^5$ (RPO, R = ButCH <sub>2</sub> ) complex of rhenium(I) from a phosphaaalkyne precursor. Crystal and molecular structure of [ReCl(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> (P(O)CH <sub>2</sub> But)]. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1992</b> , 645-646		23

- 483 Preparation of isocyanide and mixed dinitrogen isocyanide complexes of rhenium(I) from reactions of trans-[ReCl(N<sub>2</sub>)(PMe<sub>2</sub>Ph)<sub>4</sub>], mer-[Re(S<sub>2</sub>PPh<sub>2</sub>)(N<sub>2</sub>)(PMe<sub>2</sub>Ph)<sub>3</sub>], or mer-[Re(S<sub>2</sub>CNEt<sub>2</sub>)(N<sub>2</sub>)(PMe<sub>2</sub>Ph)<sub>3</sub>] with methyl isocyanide; crystal structure of mer-[Re(S<sub>2</sub>PPh<sub>2</sub>)(N<sub>2</sub>)(CNMe)(PMe<sub>2</sub>Ph)<sub>3</sub>]. *Journal of the Chemical Society Dalton Transactions*, **1987**, 319-325 23
- 482 Copper(II) complex of the 2-pyridinecarbaldehyde aminoguanidine Schiff base: Crystal structure and catalytic behaviour in mild oxidation of alkanes. *Inorganic Chemistry Communication*, **2017**, 78, 85-90<sup>3.1</sup> 22
- 481 Platinum Complexes with Chelating Acyclic Aminocarbene Ligands Work as Catalysts for Hydrosilylation of Alkynes. *ACS Omega*, **2018**, 3, 863-871 3.9 22
- 480 Noncovalent interactions in the design of bis-azo dyes. *CrystEngComm*, **2019**, 21, 5032-5038 3.3 22
- 479 Persistent hydrogen-bonded and non-hydrogen-bonded phenoxyl radicals. *Chemistry - A European Journal*, **2011**, 17, 11882-92 4.8 22
- 478 New diamondoid-like [Cu<sub>3</sub>B(EO)<sub>6</sub>] core self-assembled from Bis-Tris biobuffer for mild hydrocarboxylation of alkanes to carboxylic acids. *Dalton Transactions*, **2011**, 40, 6378-81 4.3 22
- 477 Complexes of Mn(II) and Mn(III) with the Schiff base N-[2-(3-ethylindole)]pyridoxalimine. Electrochemical study of these and related Ni(II) and Cu(II) complexes. *Inorganica Chimica Acta*, **1997**, 255, 279-288 2.7 22
- 476 Benzene ring assembly promoted by a camphor derived palladium complex. *Journal of Organometallic Chemistry*, **2003**, 679, 143-147 2.3 22
- 475 Aminocarbene coupling reactions at M(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub> (M = Mo or W) sites. Detailed mechanistic studies on the protonation of co-ordinated isocyanides and coupling of ligands in trans-[M(CNR)<sub>2</sub>(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>] (R = But or Me). *Journal of the Chemical Society Dalton Transactions*, **1995**, 1193 22
- 474 Synthesis, Structure, and Electrochemistry of Palladium Complexes with Camphor-Derived Chiral Ligands. *Inorganic Chemistry*, **1994**, 33, 6270-6277 5.1 22
- 473 Mononuclear alkynyl, alkenyl, alkylidyne and alkylidene complexes of molybdenum and tungsten from reactions of 1-alkynes with hydride complexes. Crystal Structure of [WH<sub>2</sub>(C≡CCO<sub>2</sub>Me)<sub>2</sub>(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>]. *Journal of Organometallic Chemistry*, **1988**, 350, C4-C7 2.3 22
- 472 A sulfonated Schiff base dimethyltin(IV) coordination polymer: synthesis, characterization and application as a catalyst for ultrasound- or microwave-assisted Baeyer-Villiger oxidation under solvent-free conditions. *RSC Advances*, **2016**, 6, 78225-78233 3.7 22
- 471 Sulfonated Schiff base dimeric and polymeric copper(II) complexes: Temperature dependent synthesis, crystal structure and catalytic alcohol oxidation studies. *Inorganica Chimica Acta*, **2017**, 455, 549-556 2.7 21
- 470 Zinc(II) and Copper(II) Metal-Organic Frameworks Constructed from a Terphenyl-4,4'-dicarboxylic Acid Derivative: Synthesis, Structure, and Catalytic Application in the Cyanosilylation of Aldehydes. *European Journal of Inorganic Chemistry*, **2016**, 2016, 5557-5567 2.3 21
- 469 V(IV), Fe(II), Ni(II) and Cu(II) complexes bearing 2,2,2-tris(pyrazol-1-yl)ethyl methanesulfonate: application as catalysts for the cyclooctane oxidation. *New Journal of Chemistry*, **2016**, 40, 528-537 3.6 21
- 468 A new cyclic binuclear Ni(II) complex as a catalyst towards nitroaldol (Henry) reaction. *Catalysis Communications*, **2014**, 57, 103-106 3.2 21
- 467 Mixed ligand aroylhydrazone and N-donor heterocyclic Lewis base Cu(II) complexes as potential antiproliferative agents. *Journal of Inorganic Biochemistry*, **2017**, 175, 267-275 4.2 21
- 466 Highly efficient divanadium(V) pre-catalyst for mild oxidation of liquid and gaseous alkanes. *Applied Catalysis A: General*, **2013**, 460-461, 82-89 5.1 21

465	Marked stabilization of redox states and enhanced catalytic activity in galactose oxidase models based on transition metal S-methylisothiosemicarbazonates with -SR group in ortho position to the phenolic oxygen. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 7524-40	5.1	21
464	Stepwise reduction of a phosphalkyne PC bond to a phosphalkene and a phosphine at the FeH(dppe) <sub>2</sub> centre. Crystal and molecular structure of the $\eta^1$ -co-ordinated phosphalkyne complex trans-[FeH( $\eta^1$ -PCBut)(dppe) <sub>2</sub> ][BPh <sub>4</sub> ]. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1998</b> , 3319-3324		21
463	Oxidation of Pt-bound bis-hydroxylamine as a novel route to unexplored dinitrosoalkane ligated species. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 6919-30	5.1	21
462	Oxidation of Saturated Hydrocarbons to Alkyl Hydroperoxides by a $\eta^2$ O <sub>2</sub> /Titanosilicalite-1/NaOH/MeCN System. <i>Catalysis Letters</i> , <b>2008</b> , 123, 135-141	2.8	21
461	Kinetic and mechanistic study of the Pt(II) versus Pt(IV) effect in the platinum-mediated nitrile-hydroxylamine coupling. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 2944-53	5.1	21
460	Direct synthesis of (imine)platinum(II) complexes by iminoacylation of ketoximes with activated organonitrile ligands. <i>Dalton Transactions</i> , <b>2006</b> , 5062-7	4.3	21
459	Single-Pot Conversion of Methane into Acetic Acid in the Absence of CO and with Vanadium Catalysts Such as Amavandine. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 845-847	3.6	21
458	Aminocarbene and isocyanide complexes of rhenium. Crystal structures of trans-[ReCl(CNR)(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ] (R = H or SiMe <sub>3</sub> ). <i>Dalton Transactions RSC</i> , <b>2000</b> , 373-380		21
457	Aroylhydrazone Cu(II) Complexes in keto Form: Structural Characterization and Catalytic Activity towards Cyclohexane Oxidation. <i>Molecules</i> , <b>2016</b> , 21, 425	4.8	21
456	Syntheses and crystal structures of benzene-sulfonate and -carboxylate copper polymers and their application in the oxidation of cyclohexane in ionic liquid under mild conditions. <i>Dalton Transactions</i> , <b>2016</b> , 45, 13957-68	4.3	21
455	Copper(II) tetrazolato complexes: Role in oxidation catalysis and protein binding. <i>Polyhedron</i> , <b>2017</b> , 132, 53-63	2.7	20
454	Reaction of sodium 2-(2-(2,4-dioxopentan-3-ylidene)hydrazinyl) benzenesulfonate with ethylenediamine on Cu(II) and Ni(II) centres: efficient Cu(II) homogeneous catalysts for cyanosilylation of aldehydes. <i>RSC Advances</i> , <b>2016</b> , 6, 54263-54269	3.7	20
453	Gold nanoparticles deposited on surface modified carbon materials as reusable catalysts for hydrocarboxylation of cyclohexane. <i>Applied Catalysis A: General</i> , <b>2017</b> , 547, 124-131	5.1	20
452	Gold Nanoparticles Deposited on Surface Modified Carbon Xerogels as Reusable Catalysts for Cyclohexane C-H Activation in the Presence of CO and Water. <i>Molecules</i> , <b>2017</b> , 22,	4.8	20
451	Unprecedented Mixed-Valence Cu(I)/Cu(II) Complex Derived from N-Methyl-1,3,5-triaza-7-phosphaadamantane: Synthesis, Structural Features, and Magnetic Properties. <i>Organometallics</i> , <b>2012</b> , 31, 7921-7925	3.8	20
450	Ruthenium(II) Arene Complexes Bearing Tris(pyrazolyl)methanesulfonate Capping Ligands. Electrochemistry, Spectroscopic, and X-ray Structural Characterization. <i>Organometallics</i> , <b>2011</b> , 30, 6180-6188	3.8	20
449	Synthesis and coordination chemistry of a new N <sub>4</sub> -polydentate class of pyridyl-functionalized scorpionate ligands: complexes of Fe(II), Zn(II), Ni(II), V(IV), Pd(II) and use for heterobimetallic systems. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 7941-52	5.1	20
448	Direct synthesis and crystal structure of a new pentanuclear heterotrimetallic Cu/Co/Ni complex with 2-(dimethylamino)ethanol. Discussion of possible Butterfly-like molecular structure types. <i>CrystEngComm</i> , <b>2011</b> , 13, 5348	3.3	20



- 447 . *European Journal of Inorganic Chemistry*, **2000**, 2000, 341-350 2.3 20
- 446 Synthesis, Structural Characterisation and Electrochemical Studies of Neutral Alkenylcarbyne Tungsten Complexes Bearing Chelating Bidentate and Tridentate Phosphanes. *European Journal of Inorganic Chemistry*, **2000**, 2000, 1707-1715 2.3 20
- 445 Preparation and X-ray structure of [ReCl(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>]. *Journal of Organometallic Chemistry*, **1983**, 248, c26-c28 2.3 20
- 444 Role of substituents on resonance assisted hydrogen bonding vs. intermolecular hydrogen bonding. *CrystEngComm*, **2020**, 22, 628-633 3.3 20
- 443 Environmentally benign benzyl alcohol oxidation and C-C coupling catalysed by amide functionalized 3D Co(II) and Zn(II) metal organic frameworks. *Journal of Catalysis*, **2020**, 385, 324-337 7.3 20
- 442 Supported C-Scorpionate Vanadium(IV) Complexes as Reusable Catalysts for Xylene Oxidation. *Chemistry - an Asian Journal*, **2017**, 12, 1915-1919 4.5 19
- 441 Addition of N-nucleophiles to gold(III)-bound isocyanides leading to short-lived gold(III) acyclic diaminocarbene complexes. *New Journal of Chemistry*, **2017**, 41, 3246-3250 3.6 19
- 440 Resonance Assisted Chalcogen Bonding as a New Synthons in the Design of Dyes. *Chemistry - A European Journal*, **2020**, 26, 14833-14837 4.8 19
- 439 New Rull (arene) complexes with halogen-substituted bis- and tris(pyrazol-1-yl)borate ligands. *Chemistry - A European Journal*, **2014**, 20, 3689-704 4.8 19
- 438 An unprecedented octanuclear copper core with C(3i) symmetry and a paramagnetic ground state. *Chemical Communications*, **2014**, 50, 3431-4 5.8 19
- 437 Phenyl carbohydrazone conjugated 2-oxoindoline as a new scaffold that augments the DNA and BSA binding affinity and anti-proliferative activity of a 1,10-phenanthroline based copper(II) complex. *Inorganica Chimica Acta*, **2014**, 423, 183-193 2.7 19
- 436 Mild, single-pot hydrocarboxylation of linear C<sub>5</sub>–C<sub>9</sub> alkanes into branched monocarboxylic C<sub>6</sub>–C<sub>10</sub> acids in copper-catalyzed aqueous systems. *Applied Catalysis A: General*, **2011**, 401, 106-113 5.1 19
- 435 Photoinduced synthesis and electrochemical properties of new ruthenium(mono)bipyridine dialkylcyanamide and propionitrile complexes. *Journal of Organometallic Chemistry*, **2006**, 691, 2368-2377 2.3 19
- 434 Comparative behaviours of phospho-alkynes and alkynes at electron-rich phosphinic metal centres. *Journal of Organometallic Chemistry*, **2001**, 632, 215-226 2.3 19
- 433 Formation of vinyl and dithioformate metallacycles by insertion of an ester-functionalized alkyne or carbon disulfide into an FeH bond: crystal structure of cis-[Fe(CHCHCOOMe)(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>][BF<sub>4</sub>]. *Journal of Organometallic Chemistry*, **1996**, 524, 63-66 2.3 19
- 432 Hydride to carbene migration at platinum(II). Synthesis and x-ray structure of [cyclic] cis[(PPh<sub>3</sub>)<sub>2</sub>Pt[C(H)SCH<sub>2</sub>CH<sub>2</sub>S]]BF<sub>4</sub>. *Organometallics*, **1993**, 12, 2372-2376 3.8 19
- 431 Electrochemically induced dehydrogenation of the hydride complexes [ReClH(NCR)(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>][BF<sub>4</sub>]. A mechanistic study. *Journal of the Chemical Society Chemical Communications*, **1992**, 1289 19
- 430 Synthesis and X-ray crystal structure of trans-[MoF(η<sup>5</sup>-C<sub>5</sub>H<sub>5</sub> tBu)(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>][BF<sub>4</sub>], a paramagnetic alkylidynefluorocomplex. *Journal of Organometallic Chemistry*, **1992**, 434, C6-C9 2.3 19



- 429 Electrochemical behaviour of trans-[FeH(CNR)(dppe)<sub>2</sub>]<sup>+</sup>. Kinetic parameters determined by digital simulation of cyclic voltammetry. *Journal of Organometallic Chemistry*, **1992**, 438, 159-165 2.3 19
- 428 The substitution reactions of cis-[M(N<sub>2</sub>)<sub>2</sub>(PMe<sub>2</sub>PH)<sub>4</sub>] (M = MO or W) and trans-[MO(N<sub>2</sub>)<sub>2</sub>(PMePH<sub>2</sub>)<sub>4</sub>] with isonitriles: An nmr study. *Journal of Organometallic Chemistry*, **1980**, 190, 297-304 2.3 19
- 427 Peroxides in metal complex catalysis. *Coordination Chemistry Reviews*, **2021**, 437, 213859 23.2 19
- 426 Arylhydrazone ligands as Cu-protectors and -catalysis promoters in the azide-alkyne cycloaddition reaction. *Dalton Transactions*, **2019**, 48, 1774-1785 4.3 18
- 425 Amavadin and Homologues as Mediators of Water Oxidation. *Angewandte Chemie - International Edition*, **2016**, 55, 1489-92 16.4 18
- 424 N-Heterocyclic Carbene Dirhodium(II) Complexes as Catalysts for Allylic and Benzylic Oxidations. *European Journal of Organic Chemistry*, **2013**, 2013, 1471-1478 3.2 18
- 423 Syntheses and properties of organocyanamide, cyanoguanidine and dinitrogen complexes of rhenium. Crystal structure of mer-[ReCl<sub>2</sub>(NCNEt<sub>2</sub>)(PMePh<sub>2</sub>)<sub>3</sub>]. *Inorganica Chimica Acta*, **1998**, 280, 308-315 2.7 18
- 422 Cationic phenyl and chloro-platinum(II) complexes with cyanamides and cyanoguanidine. X-ray structure of trans-[Pt(Ph)(NCNMe<sub>2</sub>)(PPh<sub>3</sub>)<sub>2</sub>][BPh<sub>4</sub>]. *Inorganica Chimica Acta*, **2002**, 334, 395-402 2.7 18
- 421 Unusual pathways for the reaction between [MCl<sub>2</sub>(Me<sub>2</sub>SO)<sub>4</sub>] (M = Os, Ru) and hydrazine dihydrochloride: deoxygenation of sulfoxides vs. coordination of hydrazinium. *Dalton Transactions RSC*, **2000**, 1363-1371 18
- 420 Electron-transfer activation of the aminocarbyne and the hydrogen isocyanide complexes trans-[ReCl(CNHn)(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>][BF<sub>4</sub>]<sub>n</sub>] (n=2 or 1). Interconversion of coordinated CNH<sub>2</sub> and CNH. *Inorganica Chimica Acta*, **1994**, 226, 9-16 2.7 18
- 419 Preparation and properties of the nitrile complexes trans-[reCl(NCR)(dppe)<sub>2</sub>] (R = alkyl or aryl). *Polyhedron*, **1989**, 8, 1872-1873 2.7 18
- 418 C-scorpionate rhenium complexes and their application as catalysts in Baeyer-Villiger oxidation of ketones. *Inorganica Chimica Acta*, **2017**, 455, 390-397 2.7 17
- 417 Green oxidation of cyclohexane catalyzed by recyclable magnetic transition-metal silica coated nanoparticles. *Catalysis Communications*, **2019**, 125, 15-20 3.2 17
- 416 Vanadium complexes of different nuclearities in the catalytic oxidation of cyclohexane and cyclohexanol: An experimental and theoretical investigation. *New Journal of Chemistry*, **2019**, 43, 17557-17570 3.6 17
- 415 Arylhydrazones of barbituric acid: synthesis, coordination ability and catalytic activity of their CoII, CoII/III and CuII complexes toward peroxidative oxidation of alkanes. *RSC Advances*, **2015**, 5, 84142-84152 3.7 17
- 414 Commercial Gold(I) and Gold(III) Compounds Supported on Carbon Materials as Greener Catalysts for the Oxidation of Alkanes and Alcohols. *ChemCatChem*, **2018**, 10, 1804-1813 5.2 17
- 413 Stereospecific sp<sup>3</sup> C-H oxidation with m-CPBA: A CoIII Schiff base complex as pre-catalyst vs. its CoIIICdII heterometallic derivative. *Applied Catalysis A: General*, **2018**, 560, 171-184 5.1 17
- 412 ZnII and CdII MOFs based on an amidoisophthalic acid ligand: synthesis, structure and catalytic application in transesterification. *RSC Advances*, **2016**, 6, 89007-89018 3.7 17

411	Nickel(II)-2-amino-4-alkoxy-1,3,5-triazapentadienate complexes as catalysts for Heck and Henry reactions. <i>RSC Advances</i> , <b>2016</b> , 6, 29159-29163	3.7	17
410	A green methodology for the selective catalytic oxidation of styrene by magnetic metal-transition ferrite nanoparticles. <i>Catalysis Communications</i> , <b>2018</b> , 116, 10-15	3.2	17
409	Synthesis, characterization and heterogeneous catalytic application of copper integrated mesoporous matrices. <i>Dalton Transactions</i> , <b>2014</b> , 43, 3215-26	4.3	17
408	Greener Selective Cycloalkane Oxidations with Hydrogen Peroxide Catalyzed by Copper-5-(4-pyridyl)tetrazolate Metal-Organic Frameworks. <i>Molecules</i> , <b>2015</b> , 20, 19203-20	4.8	17
407	Catalytic activity of a benzoyl hydrazone based dimeric dicopper(II) complex in catechol and alcohol oxidation reactions. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 431, 139-144	2.7	17
406	The phenanthroimidazole-based dizinc(II) complex as a fluorescent probe for the pyrophosphate ion as generated in polymerase chain reactions and pyrosequencing. <i>Dalton Transactions</i> , <b>2015</b> , 44, 3930-3	4.3	17
405	Platinum(II)-Promoted [2+3] Cycloaddition of Azide with 4-Cyanobenzaldehyde, a Schiff Base Derivative or Dicyanobenzenes To Give Formyl-, Amino(imino)- or Cyano-Functionalized Tetrazolato Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2009</b> , 2009, NA-NA	2.3	17
404	Proton addition and hydrogen-bond formation in reactions of the dicyano-complex [NBu <sub>4</sub> ][trans-Re(CN) <sub>2</sub> (dppe) <sub>2</sub> ] with protic reagents. <i>Dalton Transactions RSC</i> , <b>2000</b> , 3393-3400		17
403	Deprotonation reactions of the aminocarbene complex trans-[ReCl(CNH <sub>2</sub> )(dppe) <sub>2</sub> ][BF <sub>4</sub> ](dppe = Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ). Synthesis and properties of the cyano-complexes trans-[Re(CN)L(dppe) <sub>2</sub> ](L = NCR, N <sub>2</sub> , CO or CCHPh) and crystal structure of trans-[Re(CN)(NCMe)(dppe) <sub>2</sub> ]PriOH. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1996</b> , 2763-2772		17
402	Rates and Mechanism of Oxidative Two-Electron-Transfer-Induced cis to trans Isomerization of the Nitrile Complex [ReCl(NCC <sub>6</sub> H <sub>4</sub> Me-4)(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ]. <i>Organometallics</i> , <b>1994</b> , 13, 3943-3951	3.8	17
401	Syntheses of low-valent nitrosyl complexes of rhenium and X-ray structure of trans-[ReCl(NO)(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ][NO <sub>3</sub> ] <sub>2</sub> with nitrosyl derived nitrates. <i>Journal of Organometallic Chemistry</i> , <b>1992</b> , 430, C56-C59	2.3	17
400	The formation of alkyne and alkynyl complexes by reaction of 1-alkynes with trans-[M(N <sub>2</sub> ) <sub>2</sub> (Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ] (M = Mo OR W) and with [Mo(Ph <sub>2</sub> PCH <sub>2</sub> PPh <sub>2</sub> ) <sub>3</sub> ]: X-ray structure of trans-[Mo(C≡CPh) <sub>2</sub> (Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ]. <i>Journal of Organometallic Chemistry</i> , <b>1987</b> , 323, C47-C50	2.3	17
399	Reactions of alkynes at mononuclear electron-rich transition metal centres. <i>Journal of Organometallic Chemistry</i> , <b>1988</b> , 358, 273-282	2.3	17
398	The chemical oxidation and electronic spectra of the complexes -[M(CNR) <sub>2</sub> (Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ] (M = Mo or W). <i>Journal of Organometallic Chemistry</i> , <b>1979</b> , 179, 459-477	2.3	17
397	Mechanism of displacement of dinitrogen from cis-[Mo(N <sub>2</sub> ) <sub>2</sub> (PMe <sub>2</sub> Ph) <sub>4</sub> ] and trans-[Mo(N <sub>2</sub> ) <sub>2</sub> (Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ] by isocyanides. Evidence for the first mixed complex of dinitrogen and isocyanide. <i>Journal of Organometallic Chemistry</i> , <b>1980</b> , 202, C15-C17	2.3	17
396	New Oxidovanadium(IV) Complexes with 2,2'-bipyridine and 1,10-phenanthroline Ligands: Synthesis, Structure and High Catalytic Activity in Oxidations of Alkanes and Alcohols with Peroxides. <i>Catalysts</i> , <b>2019</b> , 9, 217	4	16
395	Characterization of antiproliferative potential and biological targets of a copper compound containing 4'-phenyl terpyridine. <i>Journal of Biological Inorganic Chemistry</i> , <b>2015</b> , 20, 935-48	3.7	16
394	DNA and BSA binding, anticancer and antimicrobial properties of Co(II), Co(II/III), Cu(II) and Ag(I) complexes of arylhydrazones of barbituric acid. <i>RSC Advances</i> , <b>2016</b> , 6, 4237-4249	3.7	16

- 393 Water soluble heterometallic potassium-dioxidovanadium(V) complexes as potential antiproliferative agents. *Journal of Inorganic Biochemistry*, **2016**, 155, 17-25 4.2 16
- 392 Metal-mediated coupling of amino acid esters with isocyanides leading to new chiral acyclic aminocarbene complexes. *Dalton Transactions*, **2014**, 43, 15861-71 4.3 16
- 391 Redox-active cytotoxic diorganotin(IV) cycloalkylhydroxamate complexes with different ring sizes: reduction behaviour and theoretical interpretation. *Journal of Inorganic Biochemistry*, **2012**, 117, 147-56 4.2 16
- 390 Synthesis, characterization and study of the redox properties of rhenium(V) diolates. *Inorganica Chimica Acta*, **1998**, 271, 65-74 2.7 16
- 389 Syntheses, properties and Mössbauer studies of mono- and di-nitrile phosphine complexes of iron(II). Crystal structures of trans-[Fe(NCR)<sub>2</sub>(Et<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PEt<sub>2</sub>)<sub>2</sub>][BF<sub>4</sub>]<sub>2</sub> (R = Me or CH<sub>2</sub>C<sub>6</sub>H<sub>4</sub>OMe-4) *Journal of the Chemical Society Dalton Transactions*, **1998**, 3311-3318 16
- 388 Microwave-Assisted and PdII-Mediated Nitrile-Oxime Coupling. *European Journal of Inorganic Chemistry*, **2005**, 2005, 3467-3471 2.3 16
- 387 Bis(triethanolamine- $\eta^1$ N,O,O')nickel(II) benzene-1,4-dicarboxylate. *Acta Crystallographica Section E: Structure Reports Online*, **2005**, 61, m2746-m2748 16
- 386 Chlorination of Platinum-Bound Salicylaldoxime. The First Example of a Structurally Characterized Monodentate Salicylaldoxime-Type Ligand. *European Journal of Inorganic Chemistry*, **2001**, 2001, 1031-1038 2.3 16
- 385 Synthesis of the  $\eta^1$ -phosphaalkyne complex trans-[FeH(P <sup>$\eta$</sup> CBu <sup>$\eta$</sup> )(dppe)<sub>2</sub>][BF<sub>4</sub>] and its conversion into a  $\eta^1$ -fluorophosphaalkene complex. Crystal structure of trans-[FeH(P <sup>$\eta$</sup> CHBu <sup>$\eta$</sup> )(dpee)<sub>2</sub>][FeCl<sub>2</sub>F<sub>2</sub>]. *Journal of Organometallic Chemistry*, **1991**, 402, C23-C26 2.3 16
- 384 Carbon is not the initial site of attack in the protonation of an allene ligand to give an  $\eta^2$ -vinyl species: kinetic studies on trans-[CPh]- (Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>. *Journal of Organometallic Chemistry*, **1993**, 447, C11-C13 2.3 16
- 383 Aminocarbene coupling reactions leading to the bis(amino)acetylene complexes trans-[MF( $\eta^2$ -MeHNC <sup>$\eta$</sup> CNHMe)-(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>]. *Journal of Organometallic Chemistry*, **1993**, 454, C8-C10 2.3 16
- 382 Synthesis of transition-metal Lewis acid adducts of trans-[ReCl(CNR)(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>] (R = alkyl). A chemical and a quantum-chemical study of electrophilic addition to ligating isocyanide. *Journal of Organometallic Chemistry*, **1989**, 371, C26-C30 2.3 16
- 381 Syntheses and redox properties of mixed isocyanide, carbonyl, or nitrile complexes of rhenium(I) trans-[Re(CNMe)L(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>]X [L = CNR (R = alkyl or aryl), CO, or NCMe; X = Cl, BF<sub>4</sub>, or PF<sub>6</sub>]. *Journal of the Chemical Society Dalton Transactions*, **1989**, 1209 16
- 380 Electrochemical metal-hydride bond cleavage at the dinitrogen-binding iron centre {FeH(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>}<sup>+</sup>, and its electroactivation towards nucleophilic attack. *Journal of Organometallic Chemistry*, **1987**, 332, C17-C20 2.3 16
- 379 Copper complexes bearing C-scorpionate ligands: Synthesis, characterization and catalytic activity for azide-alkyne cycloaddition in aqueous medium. *Inorganica Chimica Acta*, **2018**, 483, 371-378 2.7 16
- 378 Solvent-Free Microwave-Assisted Peroxidative Oxidation of Alcohols Catalyzed by Iron(III)-TEMPO Catalytic Systems. *Catalysis Letters*, **2015**, 145, 2066-2076 2.8 15
- 377 Metal Azolate/Carboxylate Frameworks as Catalysts in Oxidative and C-C Coupling Reactions. *Inorganic Chemistry*, **2016**, 55, 5804-17 5.1 15
- 376 Cu(II) complexes of N-rich aroylhydrazone: magnetism and catalytic activity towards microwave-assisted oxidation of xylenes. *Dalton Transactions*, **2019**, 48, 12839-12849 4.3 15

375	Dinuclear based polymeric copper(II) complexes derived from a Schiff base ligand: effect of secondary bridging moieties on geometrical orientations and magnetic properties. <i>Inorganic Chemistry Communication</i> , <b>2014</b> , 46, 113-117	3.1	15
374	Copper(I) and copper(II) metallacycles as catalysts for microwave assisted selective oxidation of cyclohexane. <i>Polyhedron</i> , <b>2017</b> , 134, 143-152	2.7	15
373	PdII-Promoted Single-Pot Template Transformations of Benzonitriles, Cyanoguanidine and Sodium Dicyanamide with the Formation of Symmetrical and Asymmetrical (1,3,5-Triazapentadienate)palladium(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 377-383	2.3	15
372	Syntheses and characterization of phenyldiazenido and mixed phenyldiazenidoisocyanide complexes of rhenium. Crystal structure of [ReBr <sub>2</sub> (NNPh) <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> ]. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1998</b> , 2405-2410		15
371	Electron-Transfer-Induced Geometrical Isomerization of the Dinitrile Complexes cis-[Re(NCR) <sub>2</sub> (Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ][BF <sub>4</sub> ] (R = Aryl, Alkyl): Rates, Mechanism, and Ligand Effects. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 2344-2350	5.1	15
370	Kinetic study of the alkylation of cyanide at [NBu <sub>4</sub> ][trans-Re(CN) <sub>2</sub> (dppe) <sub>2</sub> ]. Crystal structures of [NBu <sub>4</sub> ][trans-Re(CN) <sub>2</sub> (dppe) <sub>2</sub> ] and trans-[Re(CN) <sub>2</sub> (dppe) <sub>2</sub> ]. <i>Journal of Organometallic Chemistry</i> , <b>1999</b> , 583, 56-62	2.3	15
369	Reactivity of [Pt(CH <sub>2</sub> =CH <sub>2</sub> )(PPh <sub>3</sub> ) <sub>2</sub> ] toward ethyldiazoacetate. Synthesis and molecular structure of the diethyl fumarate complex [Pt{trans-CH(CO <sub>2</sub> Et)=CH(CO <sub>2</sub> Et)}(PPh <sub>3</sub> ) <sub>2</sub> ] and preparation of the analogous diethyl maleate compound. <i>Inorganica Chimica Acta</i> , <b>1993</b> , 214, 85-95	2.7	15
368	Mechanism of alkylidyne complex formation by protonation of the vinylidene complex trans-[ReCl(CCHPh)(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ]. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1989</b> , 1796-1797		15
367	Catalytic Activity of Polynuclear vs. Dinuclear Arylhydrazone Cu(II) Complexes in Microwave-Assisted Oxidation of Neat Aliphatic and Aromatic Hydrocarbons. <i>Molecules</i> , <b>2018</b> , 24,	4.8	15
366	CO <sub>2</sub> + ionic liquid biphasic system for reaction/product separation in the synthesis of cyclic carbonates. <i>Journal of Supercritical Fluids</i> , <b>2018</b> , 132, 71-75	4.2	15
365	Peroxidative Oxidation of Alkanes and Alcohols under Mild Conditions by Di- and Tetranuclear Copper (II) Complexes of Bis (2-Hydroxybenzylidene) Isophthalohydrazide. <i>Molecules</i> , <b>2018</b> , 23,	4.8	15
364	Copper(II) and Sodium(I) Complexes based on 3,7-Diacetyl-1,3,7-triaza-5-phosphabicyclo[3.3.1]nonane-5-oxide: Synthesis, Characterization, and Catalytic Activity. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 2868-2880	4.5	15
363	A self-assembled octanuclear complex bearing the uncommon close-packed {Fe <sub>4</sub> Mn <sub>4</sub> (μ-O) <sub>4</sub> (μO) <sub>4</sub> } molecular core. <i>Dalton Transactions</i> , <b>2015</b> , 44, 14918-24	4.3	14
362	Diethyldithiocarbamate complexes with metals used as food supplements show different effects in cancer cells. <i>Journal of Applied Biomedicine</i> , <b>2014</b> , 12, 301-308	0.6	14
361	Oxygenation of saturated and aromatic hydrocarbons with H <sub>2</sub> O <sub>2</sub> catalysed by the carbonyl thiophenolate iron complex (OC) <sub>3</sub> Fe(PhS) <sub>2</sub> Fe(CO) <sub>3</sub> . <i>Catalysis Today</i> , <b>2013</b> , 218-219, 93-98	5.3	14
360	Structural Versatility of Alkali Metal Coordination Polymers Driven by Arylhydrazones of ̢-Diketones. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 5076-5084	3.5	14
359	Organocatalyzed oxidation of benzyl alcohols by a tetrazole-amino-saccharin: A combined experimental and theoretical (DFT) study. <i>Molecular Catalysis</i> , <b>2017</b> , 442, 57-65	3.3	14
358	The solvation and electrochemical behavior of copper acetylacetonate complexes in ionic liquids. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1060, 142-149	3.4	14

357	Redox potential parameterization in coordination compounds with polydentate scorpionate and benzene ligands. <i>Electrochimica Acta</i> , <b>2012</b> , 82, 478-483	6.7	14
356	Hydrocarbon oxygenation with Oxone catalyzed by complex [Mn <sub>2</sub> L <sub>2</sub> O <sub>3</sub> ] <sup>2+</sup> (L=1,4,7-trimethyl-1,4,7-triazacyclononane) and oxalic acid. <i>Tetrahedron</i> , <b>2012</b> , 68, 8589-8599	2.4	14
355	Pt(II)-mediated imine-nitrile coupling leading to symmetrical (1,3,5,7,9-pentaazanona-1,3,6,8-tetraenato)Pt(II) complexes containing the incorporated 1,3-diiminoisoindoline moiety. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 10774-86	5.1	14
354	Copper(II) and cobalt(II,III) complexes of a new carboxylic-functionalized arylhydrazone of 5,5-dimethylcyclohexane-1,3-dione. <i>Polyhedron</i> , <b>2013</b> , 60, 78-84	2.7	14
353	1D Cu(II) coordination polymer derived from 2-(2-(2,4-dioxopentan-3-ylidene)hydrazinyl)benzenesulfonate chelator and pyrazine spacer. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1033, 127-130	3.4	14
352	Concentration dependent switch from addition to substitution in the reaction between salicylaldoxime and a nitrile platinum(IV) complex. <i>Inorganica Chimica Acta</i> , <b>2002</b> , 336, 95-100	2.7	14
351	Synthesis and crystal structure of the complex double salt [Re(NCC <sub>6</sub> H <sub>4</sub> Me-4) <sub>2</sub> (Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ][ReF <sub>2</sub> (Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ] [BF <sub>4</sub> ] <sub>2</sub> . <i>Journal of Organometallic Chemistry</i> , <b>1991</b> , 403, C1-C3	2.3	14
350	A carbyne complex of rhenium(V) by protonation at nitrogen of an isonitrile complex of rhenium(I). <i>Journal of Organometallic Chemistry</i> , <b>1979</b> , 175, C17-C18	2.3	14
349	Reactions of trans-[Mo(CNMe) <sub>2</sub> (PMe <sub>2</sub> Ph) <sub>4</sub> ] and mer-[W(CNMe) <sub>3</sub> (PMe <sub>2</sub> Ph) <sub>3</sub> ] complexes with methanol and with mineral acids to give amines, ammonia and hydrocarbons. <i>Transition Metal Chemistry</i> , <b>1980</b> , 5, 281-284	2.1	14
348	Redox Potential - (Electronic) Structure Relationships in 18- and 17-Electron Mononitrile (or Monocarbonyl) Diphosphine Complexes of Re and Fe. <i>Collection of Czechoslovak Chemical Communications</i> , <b>2001</b> , 66, 139-154		14
347	Recent developments in molecular sensor designs for inorganic pyrophosphate detection and biological imaging. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 431, 213744	23.2	14
346	Water oxidation with transition metal catalysts with non-innocent ligands and its mechanisms. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 439, 213911	23.2	14
345	Pronounced retention of stereoconfiguration upon sp <sup>3</sup> CH bonds hydroxylation of dimethylcyclohexanes and decahydronaphthalenes with m-CPBA oxidant and a Co-phthalocyanine catalyst. <i>Molecular Catalysis</i> , <b>2018</b> , 459, 8-15	3.3	14
344	Arylhydrazone Cd(II) and Cu(II) complexes as catalysts for secondary alcohol oxidation. <i>Polyhedron</i> , <b>2017</b> , 129, 182-188	2.7	13
343	A copper-amidocarboxylate based metal organic macrocycle and framework: synthesis, structure and catalytic activities towards microwave assisted alcohol oxidation and Knoevenagel reactions. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 9843-9854	3.6	13
342	Silver coordination polymers with tri- and hexacyanoethyl-functionalized macrocyclic ligands. <i>Dalton Transactions</i> , <b>2015</b> , 44, 1388-96	4.3	13
341	Copper(II) complexes with an arylhydrazone of methyl 2-cyanoacetate as effective catalysts in the microwave-assisted oxidation of cyclohexane. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 471, 658-663	2.7	13
340	N-HO and N-HCl supported 1D chains of heterobimetallic Cu/Ni-Sn cocrystals. <i>Dalton Transactions</i> , <b>2016</b> , 45, 17929-17938	4.3	13



- 339 PdII-mediated integration of isocyanides and azide ions might proceed via formal 1,3-dipolar cycloaddition between RNC ligands and uncomplexed azide. *New Journal of Chemistry*, **2016**, 40, 521-527. 3.6 13
- 338 Flexibility and lability of a phenyl ligand in hetero-organometallic 3d metal-Sn(IV) compounds and their catalytic activity in Baeyer-Villiger oxidation of cyclohexanone. *Dalton Transactions*, **2017**, 46, 13364-13375. 4.3 13
- 337 Liquid phase oxidation of xylenes catalyzed by the tripodal C-scorpionate iron(II) complex [FeCl<sub>2</sub>{B-HC(pz)<sub>3</sub>}]. *Polyhedron*, **2017**, 125, 151-155. 2.7 13
- 336 Catalytic Performance of Fe(II)-Scorpionate Complexes towards Cyclohexane Oxidation in Organic, Ionic Liquid and/or Supercritical CO<sub>2</sub> Media: A Comparative Study. *Catalysts*, **2017**, 7, 230. 4 13
- 335 Interplay between Resonance-Assisted Hydrogen Bonding and Coordination in Sulfo-Functionalized Arylhydrazones of Active Methylene Compounds. *ChemPlusChem*, **2014**, 79, 1523-1531. 2.8 13
- 334 Tautomeric equilibria of para-bromophenyl substituted arylhydrazones of  $\beta$ -diketones. *Journal of Molecular Structure*, **2011**, 1006, 576-579. 3.4 13
- 333 Quantum chemical simulations of solvent influence on UV-vis spectra and orbital shapes of azoderivatives of diphenylpropane-1,3-dione. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 78, 1287-94. 4.4 13
- 332 A Dianionic Dinickel(II) Complex and Its Oxidised Phenoxyl Radical States. *European Journal of Inorganic Chemistry*, **2011**, 2011, 2791-2796. 2.3 13
- 331 Syntheses and Crystal Structures of the First Zinc Complex with 1,3,5-Triaza-7-phosphaadamantane (PTA), [ZnCl<sub>2</sub>(PTA)<sub>2</sub>], and of the Hybrid Organic-Inorganic Salts of N-Methyl-1,3,5-triaza-7-phosphaadamantane with Tetrahalozinc [PTAMe]<sub>2</sub>[ZnI<sub>2</sub>X<sub>2</sub>] (X = I, Cl). *European Journal of Inorganic Chemistry*, **2009**, 2009, 1181-1185. 2.3 13
- 330 Synthesis, characterization and molecular structures of the hybrid organic-inorganic salts of N-alkyl-1,3,5-triaza-7-phosphaadamantane (alkyl = methyl, ethyl) and tetra(isothiocyanato)cobalt(II). *Inorganica Chimica Acta*, **2009**, 362, 1645-1649. 2.7 13
- 329 Thiolateisocyanide complexes of molybdenum(II) and tungsten(II): crystal structures of cis-[Mo(SC<sub>6</sub>H<sub>2</sub>Pri<sub>3</sub>-2,4,6)<sub>2</sub>(CNMe)<sub>4</sub>], cis-[Mo(SC<sub>6</sub>H<sub>2</sub>Pri<sub>3</sub>-2,4,6)<sub>2</sub>(CNBut)<sub>4</sub>] and cis-[W(SC<sub>6</sub>H<sub>2</sub>Pri<sub>3</sub>-2,4,6)<sub>2</sub>(CNMe)<sub>4</sub>], and anodically induced isomerisation studies. *Journal of the Chemical Society Dalton Transactions*, **1997**, 3725. 13
- 328 Synthesis, Characterization and Redox Behaviour of Mono- and Dicarbonyl Phosphane Rhenium(I) Complexes Bearing N-, N,N- and N,O-Type Ligands. *European Journal of Inorganic Chemistry*, **2007**, 2007, 1556-1565. 2.3 13
- 327 Protic conversion of nitrile into azavinylidene complexes of rhenium, a mechanistic theoretical study. *Journal of Physical Chemistry A*, **2005**, 109, 8187-98. 2.8 13
- 326 A picolinate-N<sub>2</sub> complex of rhenium, the first dinitrogen complex bearing a carboxylate or a N,O-ligand. *Journal of Organometallic Chemistry*, **2006**, 691, 4153-4158. 2.3 13
- 325 Syntheses and properties of hydridecyanamide and derived hydrogen-cyanamide complexes of molybdenum(IV). Crystal structure of [MoH<sub>2</sub>(NCNH<sub>2</sub>)<sub>2</sub>(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>][BF<sub>4</sub>]<sub>2</sub>. *Dalton Transactions*, **2003**, 3743-3750. 4.3 13
- 324 Alkylation of cyanide at [NBu<sub>4</sub>]trans-[Re(CN)<sub>2</sub>(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>]. Syntheses and properties of derived isocyanide complexes and X-ray structure of trans-[Re(CN<sub>2</sub>Et)<sub>2</sub>(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>][PF<sub>6</sub>]. *Journal of Organometallic Chemistry*, **1996**, 511, 163-169. 2.3 13
- 323 Synthesis of the pseudohalide-dinitrogen complexes trans-[ReX(N<sub>2</sub>)(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>](X = NCS, NCO or N<sub>3</sub>) and crystal structures of the isothiocyanate and azide complexes. *Journal of Organometallic Chemistry*, **1993**, 454, 211-216. 2.3 13
- 322 Synthesis and crystal structure of [MoH<sub>3</sub>(C≡CBut)(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>], a trihydrido-alkynyl complex. *Journal of Organometallic Chemistry*, **1990**, 398, C15-C18. 2.3 13



321	Formation of oxo-phosphonato complexes of rhenium from reactions of [ReOCl <sub>3</sub> (PPh <sub>3</sub> ) <sub>2</sub> ] with methyl phosphites. Crystal structure of [ReOCl(OMe) {P(O)(OMe) <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> }. <i>Journal of Organometallic Chemistry</i> , <b>1987</b> , 335, C23-C26	2.3	13
320	A benzimidazole-based new fluorogenic differential/sequential chemosensor for Cu <sup>2+</sup> , Zn <sup>2+</sup> , CN <sup>-</sup> , P2O7 <sup>4-</sup> , DNA, its live-cell imaging and pyrosequencing applications. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 337, 129785	8.5	13
319	The influence of multiwalled carbon nanotubes and graphene oxide additives on the catalytic activity of 3d metal catalysts towards 1-phenylethanol oxidation. <i>Journal of Molecular Catalysis A</i> , <b>2017</b> , 426, 557-563		12
318	Phenoxazinone synthase-like catalytic activity of novel mono- and tetranuclear copper(ii) complexes with 2-benzylaminoethanol. <i>Dalton Transactions</i> , <b>2020</b> , 49, 4710-4724	4.3	12
317	New Trendy Magnetic C-Scorpionate Iron Catalyst and Its Performance towards Cyclohexane Oxidation. <i>Catalysts</i> , <b>2018</b> , 8, 69	4	12
316	Highly Efficient Bifunctional Amide Functionalized Zn and Cd Metal Organic Frameworks for One-Pot Cascade Deacetalization-Knoevenagel Reactions. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 699	5	12
315	Homo- and heteropolymetallic 3-(2-pyridyl)pyrazolate manganese and rhenium complexes. <i>Dalton Transactions</i> , <b>2014</b> , 43, 4009-20	4.3	12
314	A Bis( $\mu$ -chlorido)-Bridged Cobalt(II) Complex with Silyl-Containing Schiff Base as a Catalyst Precursor in the Solvent-Free Oxidation of Cyclohexane. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 4324-4332	2.3	12
313	1D hacksaw chain bipyridine-sulfonate Schiff base-dicopper(II) as a host for variable solvent guests. <i>RSC Advances</i> , <b>2015</b> , 5, 28070-28079	3.7	12
312	Molybdenum- and tungsten(II) monometallic 3-(2-pyridyl)pyrazole and bimetallic 3-(2-pyridyl)pyrazolate complexes. <i>Dalton Transactions</i> , <b>2012</b> , 41, 7017-25	4.3	12
311	Towards the functionalization of the methine carbon of a sterically hindered tris(pyrazolyl)methane: is a radical pathway envisageable? Synthesis and structure of tetrakis(3,5-dimethylpyrazolyl)methane. <i>Tetrahedron</i> , <b>2009</b> , 65, 9218-9223	2.4	12
310	Reactivity of ferrocenylalkyl isocyanides. Formation of potential antibiotics and of gold(I) complexes. <i>Journal of Organometallic Chemistry</i> , <b>1998</b> , 552, 17-21	2.3	12
309	The first examples of metal-mediated addition of a phosphorus imine to nitriles; the preparation and X-ray crystal structures of [PtCl <sub>4</sub> {NH=C(Et)N=PPh <sub>3</sub> } <sub>2</sub> ] and [PtCl <sub>2</sub> (EtCN){NH=C(Et)N[double bond, length as m-dash]PPh <sub>3</sub> }]. <i>Dalton Transactions</i> , <b>2005</b> , 1354-6	4.3	12
308	Syntheses and redox properties of the first phosphirene-dinitrogen and phosphirene-diazenide complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1999</b> , 3755-3758		12
307	Syntheses and properties of dinitrogen, diazenido and derived isocyanide complexes of rhenium with phosphite or phosphonite ligands. <i>Journal of Organometallic Chemistry</i> , <b>1990</b> , 384, 121-131	2.3	12
306	Preparation of new dinitrogen complexes of rhenium(I) with organophosphite and isocyanide ligands. X-ray structure of mer-[ReCl(N <sub>2</sub> )(CNMe) {P(OMe) <sub>3</sub> } <sub>3</sub> ]. <i>Journal of Organometallic Chemistry</i> , <b>1982</b> , 240, C18-C22	2.3	12
305	Electrochemical asymmetric synthesis of biologically active substances. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 7026-7055	3.9	12
304	Synthesis and catalytic activities of a Zn(ii) based metallomacrocyclic and a metal-organic framework towards one-pot deacetalization-Knoevenagel tandem reactions under different strategies: a comparative study. <i>Dalton Transactions</i> , <b>2020</b> , 49, 8075-8085	4.3	11

- 303 New copper(II) tetramer with arylhydrazone of barbituric acid and its catalytic activity in the oxidation of cyclic C5–8 alkanes. *Polyhedron*, **2016**, 117, 666-671 2.7 11
- 302 Structural characterization and biological properties of silver(I) tris(pyrazolyl)methane sulfonate. *Journal of Inorganic Biochemistry*, **2019**, 199, 110789 4.2 11
- 301 Role of tautomerism and solvatochromism in UV–VIS spectra of arylhydrazones of  $\beta$ -diketones. *Journal of Molecular Liquids*, **2012**, 171, 11-15 6 11
- 300 Zinc Complexes with Cyanoxime: Structural, Spectroscopic, and Catalysis Studies in the Pivaloylcyanoxime-Zn System. *Inorganic Chemistry*, **2017**, 56, 13962-13974 5.1 11
- 299 Carbene Complexes Derived from Metal-Bound Isocyanides: Recent Advances **2012**, 531-550 11
- 298 Synthesis and chemical reactivity of an Fe(III) metallacrown-6 towards N-donor Lewis bases. *Inorganic Chemistry Communication*, **2013**, 30, 42-45 3.1 11
- 297 Manifestation of redox duality of 2-propanone oxime: Pt(II)-assisted reduction versus Pt(IV)-mediated oxidation of Me<sub>2</sub>C=NOH species. *Inorganica Chimica Acta*, **1998**, 277, 83-88 2.7 11
- 296 Synthesis, characterization and molecular structures of the trichloro- $\eta^1$ -benzoyldiazenido [ReCl<sub>3</sub>( $\eta^1$ -NNC(O)Ph)(PPh<sub>3</sub>)<sub>2</sub>] and oxorhenium [ReOCl<sub>2</sub>(OMe)(PPh<sub>3</sub>)<sub>2</sub>] complexes derived from reactions of [ReCl<sub>2</sub>( $\eta^2$ -NNC(O)Ph)(PPh<sub>3</sub>)<sub>2</sub>] with a peroxide or dioxygen. *Inorganica Chimica Acta*, **2006**, 359, 4421-4426 2.7 11
- 295 Reactivity of Coordinated Oximes **2003**, 631-637 11
- 294 Metal-mediated and solvent dependent chlorination of the nitrosonaphtholato ligand. *Dalton Transactions RSC*, **2001**, 3279-3284 11
- 293 Phosphaalkyne cyclodimerization at a rhodium(I) centre. Syntheses of a cationic  $\eta^4$ -1,3-diphosphacyclobutadiene rhodium complex and of its platinum(II) or tungsten(0) adducts. *Journal of the Chemical Society Dalton Transactions*, **1999**, 3041-3045 11
- 292 Mixed-ligand complexes of technetium XIII. A new and facile synthesis, structure and electrochemical behaviour of trans-[Tc(dppe)<sub>2</sub>(butNC)<sub>2</sub>](PF<sub>6</sub>)<sub>2</sub> in ethanol (dppe = bis(diphenylphosphino)ethane, butNC = tert-butylisocyanide). *Inorganica Chimica Acta*, **1995**, 230, 189-192 2.7 11
- 291 Molecular orbital study of the bonding and reactivity of the diisocyanide complexes trans-[Mo(CNR)<sub>2</sub>(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>] and derived aminocarbene compounds. *Journal of Organometallic Chemistry*, **1991**, 408, 181-192 2.3 11
- 290 1D Zn(II) coordination polymer of arylhydrazone of 5,5-dimethylcyclohexane-1,3-dione as a pre-catalyst for the Henry reaction. *Catalysis Communications*, **2016**, 87, 49-52 3.2 11
- 289 Copper(II) coordination polymers of arylhydrazone of 1H-indene-1,3(2H)-dione linked by 4,4'-bipyridine or hexamethylenetetramine: Evaluation of catalytic activity in Henry reaction. *Polyhedron*, **2017**, 133, 33-39 2.7 10
- 288 New Trends in Enantioselective Cross-Dehydrogenative Coupling. *Catalysts*, **2020**, 10, 529 4 10
- 287 Characterization of the antiproliferative potential and biological targets of a trans ketoimine platinum complex. *Inorganica Chimica Acta*, **2014**, 423, 156-167 2.7 10
- 286 How to force a classical chelating ligand to a metal non-chelating bridge: the observation of a rare coordination mode of diethanolamine in the 1D complex [[Cu<sub>2</sub>(Piv)<sub>4</sub>(H<sub>3</sub>tBuDea)](Piv)]<sub>n</sub>. *CrystEngComm*, **2014**, 16, 775-783 3.3 10

285	Isomerisation and controlled condensation in an aqueous medium of allyl alcohol catalysed by new water-soluble rhodium complexes with 1,3,5-triaza-7-phosphaadamantane (PTA). <i>Dalton Transactions</i> , <b>2013</b> , 42, 10867-74	4.3	10
284	Molecular switching through cooperative ionic interactions and charge assisted hydrogen bonding. <i>Dyes and Pigments</i> , <b>2017</b> , 138, 107-111	4.6	10
283	Synthesis, characterization and antimicrobial activity of arylhydrazones of methylene active compounds. <i>Pharmaceutical Chemistry Journal</i> , <b>2012</b> , 46, 157-164	0.9	10
282	Reactivity of bulky tris(phenylpyrazolyl)methanesulfonate copper(I) complexes towards small unsaturated molecules. <i>Journal of Organometallic Chemistry</i> , <b>2012</b> , 714, 47-52	2.3	10
281	Structural and thermal properties of three cyano-substituted azoderivatives of $\beta$ -diketones. <i>Journal of Molecular Structure</i> , <b>2011</b> , 992, 72-76	3.4	10
280	Novel nickel(II) complex bearing phthalimido ligands derived from oxime-mediated transformation of phthalonitrile. <i>Inorganic Chemistry Communication</i> , <b>2008</b> , 11, 117-120	3.1	10
279	Vanadium-Catalyzed Alkane Functionalization Reactions under Mild Conditions. <i>ACS Symposium Series</i> , <b>2007</b> , 51-60	0.4	10
278	Ni(II)-Mediated nitrosation of oximes bearing an $\alpha$ -CH <sub>2</sub> group. <i>Inorganic Chemistry Communication</i> , <b>2006</b> , 9, 869-871	3.1	10
277	(R=alkyl or aryl) complexes as catalysts for ethylene polymerization. <i>Inorganic Chemistry Communication</i> , <b>2003</b> , 6, 331-334	3.1	10
276	2-Amino-2-oxazoline and trialkylisourea Pt(II) complexes derived from organocyanamides. <i>Dalton Transactions</i> , <b>2003</b> , 3751-3756	4.3	10
275	Activation of a coordinated alkyne by electron transfer: crystal structures of [Pd{PPh <sub>2</sub> CH <sub>2</sub> C(But)NN <sub>2</sub> C(But)CH <sub>2</sub> PPh <sub>2</sub> }{C(CO <sub>2</sub> Me) <sub>2</sub> CH(CO <sub>2</sub> Me)}] and [Pd{(Z,Z)PPh <sub>2</sub> CH <sub>2</sub> C(But) <sub>2</sub> NN <sub>2</sub> C(But)CH <sub>2</sub> PPh <sub>2</sub> }{C(CO <sub>2</sub> Me) <sub>2</sub> C(CO <sub>2</sub> Me)}]. <i>Journal of Organometallic Chemistry</i> , <b>2000</b> , 598, 318-328	2.3	10
274	Cascade Reaction of Camphor-Derived Diynes with Transition Metal Compounds. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>1999</b> , 54, 725-733	1	10
273	Highly Reactive Platinum(0) Carbene Intermediates in the Reactions of Diazo Compounds. A Fast Atom Bombardment Mass Spectrometric Study. <i>Organometallics</i> , <b>1995</b> , 14, 551-554	3.8	10
272	Synthesis of trans-[Re(NO) <sub>2</sub> -(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ][BF <sub>4</sub> ], a formal dinitrosyl complex of rhenium(-I) and its protic denitrosylation. X-Ray structure of trans-[ReF(NO)-(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ][BF <sub>4</sub> ]. <i>Journal of Organometallic Chemistry</i> , <b>1994</b> , 476, C9-C11	2.3	10
271	Synthesis and redox properties of cis-[ReCl(NCR)(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ](R = alkyl or aryl) complexes with a cis-phosphine rhenium(I) centre. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1994</b> , 3299		10
270	Syntheses and properties of isocyanide complexes of iron, trans-[FeH(CNR)(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ][A] (A = BF <sub>4</sub> or PF <sub>6</sub> ). <i>Journal of Organometallic Chemistry</i> , <b>1992</b> , 424, 49-55	2.3	10
269	Reaction of the dinitrogen complex [Re( $\eta$ -S <sub>2</sub> PPh <sub>2</sub> )(N <sub>2</sub> )(PMe <sub>2</sub> Ph) <sub>3</sub> ] with methylisocyanide. Preparation and X-ray structure of the mixed dinitrogen/isocyanide complex mer-[Re( $\eta$ -S <sub>2</sub> PPh <sub>2</sub> )(N <sub>2</sub> (CNMe)(PMe <sub>2</sub> Ph) <sub>3</sub> ]. <i>Inorganica Chimica Acta</i> , <b>1983</b> , 76, L225-L226	2.7	10
268	Synthesis of Metallomacrocyclic and Coordination Polymers with Pyridine-Based Amidocarboxylate Ligands and Their Catalytic Activities towards the Henry and Knoevenagel Reactions. <i>ChemistryOpen</i> , <b>2018</b> , 7, 865-877	2.3	10

- 267 Copper(II) Complexes with Bulky N-Substituted Diethanolamines: High-Field Electron Paramagnetic Resonance, Magnetic, and Catalytic Studies in Oxidative Cyclohexane Amidation. *Inorganic Chemistry*, **2018**, 57, 12384-12397 5.1 10
- 266 Targeting canine mammary tumours via gold nanoparticles functionalized with promising Co(II) and Zn(II) compounds. *Veterinary and Comparative Oncology*, **2017**, 15, 1537-1542 2.5 9
- 265 Antiproliferative activity of heterometallic sodium and potassium-dioxidovanadium(V) polymers. *Journal of Inorganic Biochemistry*, **2019**, 200, 110811 4.2 9
- 264 Syntheses, Structures, and Catalytic Hydrocarbon Oxidation Properties of N-Heterocycle-Sulfonated Schiff Base Copper(II) Complexes. *Inorganics*, **2019**, 7, 17 2.9 9
- 263 Heterometallic CoIII ZnII Schiff Base Catalyst for Mild Hydroxylation of C(sp<sup>3</sup>)H Bonds of Unactivated Alkanes: Evidence for Dual Mechanism Controlled by the Promoter. *Catalysts*, **2019**, 9, 209 4 9
- 262 1D Copper(II)-Aroylhydrazone Coordination Polymers: Magnetic Properties and Microwave Assisted Oxidation of a Secondary Alcohol. *Frontiers in Chemistry*, **2020**, 8, 157 5 9
- 261 A [2 × 2] Cu<sub>4</sub> molecular grid and a Mn<sub>5</sub> cluster derived from a 1-(2-pyridyl)pyrazole based polytopic ligand: Synthesis, structure, magnetic properties and catalytic activity in the allylic oxidation of cyclohexene. *Polyhedron*, **2013**, 62, 51-60 2.7 9
- 260 Electron-transfer chain catalysis for the cis-to-trans isomeric conversion of cis-[ReCl(CO)(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>]. *Journal of the Chemical Society Dalton Transactions*, **1998**, 4139-4146 9
- 259 Lewis acidity of platinum(II)-based Baeyer-Villiger catalysts: An electrochemical approach. *Inorganica Chimica Acta*, **2008**, 361, 3247-3253 2.7 9
- 258 Reactions of cyclic and linear alkynols with a phosphinic iron(II) centre. *Inorganic Chemistry Communication*, **2003**, 6, 94-96 3.1 9
- 257 The First Observation and Structural Characterization of (Formamide)platinum(IV) Complexes. *European Journal of Inorganic Chemistry*, **2001**, 2001, 2805 2.3 9
- 256 Reactivity Trends in the Reaction of Alkynes with 3-Oxo-camphorsulfonylimine. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2002**, 57, 691-698 1 9
- 255 Transition-metal complexes of (1S,2S,3R)-3-hydroxycamphorsultam. *Inorganic Chemistry*, **1993**, 32, 5160-5164 9
- 254 Reactions with nucleophiles and cathodic electrochemical behaviour of some neutral and cationic diamino-, dioxy- and aminooxycarbene complexes of palladium(II) and platinum(II). *Journal of Organometallic Chemistry*, **1992**, 431, 117-128 2.3 9
- 253 Carbyne-fluoro complexes of rhenium. Single-pot synthesis of trans-[ReF(≡CCH<sub>2</sub>R)-(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>][BF<sub>4</sub>]. *Journal of Organometallic Chemistry*, **1993**, 450, C7-C8 2.3 9
- 252 Activation of alkynes by the dinitrogen complex [CoH(N<sub>2</sub>)(PPh<sub>3</sub>)<sub>3</sub>] towards catalytic oligomerization and cyclization reactions. *Monatshefte Für Chemie*, **1988**, 119, 583-589 1.4 9
- 251 Cu(II) and Fe(III) Complexes Derived from N-Acetylpyrazine-2-Carbohydrazide as Efficient Catalysts Towards Neat Microwave Assisted Oxidation of Alcohols. *Catalysts*, **2019**, 9, 1053 4 9
- 250 Application of molybdenum complexes for the oxidation of cyclohexane in acetonitrile, ionic liquid and supercritical CO<sub>2</sub> media, a comparative study. *Molecular Catalysis*, **2020**, 482, 100356 3.3 9

249	The role of nanoporous carbon materials in catalytic cyclohexane oxidation. <i>Catalysis Today</i> , <b>2020</b> , 357, 46-55	5.3	9
248	Cd(II) coordination compounds as heterogeneous catalysts for microwave-assisted peroxidative oxidation of toluene and 1-phenylethanol. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 9163-9171	3.6	8
247	Aroylhydrazone Schiff Base Derived Cu(II) and V(V) Complexes: Efficient Catalysts towards Neat Microwave-Assisted Oxidation of Alcohols. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	8
246	A hexanuclear metallacrown palladium(II) cluster derived from 2-mercaptoethanol. <i>Inorganic Chemistry Communication</i> , <b>2013</b> , 29, 37-39	3.1	8
245	1D coordination polymer with octahedral and square-planar nickel(II) centers. <i>Inorganic Chemistry Communication</i> , <b>2013</b> , 29, 82-84	3.1	8
244	Simple solvent-free preparation of dispersed composites and their application as catalysts in oxidation and hydrocarboxylation of cyclohexane. <i>Materials Today Chemistry</i> , <b>2017</b> , 5, 52-62	6.2	8
243	Transformations of the Vaska-type complex trans-[RhCl(CO)(PTA) <sub>2</sub> ] (PTA=1,3,5-triaza-7-phosphaadamantane) during stepwise addition of HCl: Synthesis, characterization and crystal structure of trans-[RhCl <sub>2</sub> (PTA)(PTAH)]. <i>Inorganica Chimica Acta</i> , <b>2011</b> , 378, 342-346	2.7	8
242	Regioselective addition of bifunctional oximehydroxamic acid by the hydroxamic group to Pt(IV)-coordinated nitriles. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 1738-1743	2.7	8
241	The first example of Re(IV)-mediated nitrilehydroxylamine coupling. <i>Inorganic Chemistry Communication</i> , <b>2006</b> , 9, 732-735	3.1	8
240	Cyanide as a versatile Lewis base ligand at a dinitrogen-binding iron(II) centre: mono- and heteronuclear adducts. <i>Inorganica Chimica Acta</i> , <b>2003</b> , 356, 259-266	2.7	8
239	Allenylidene and derived alkynyl complexes of iron(II) with the {FeBr(Et <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PEt <sub>2</sub> ) <sub>2</sub> } <sup>+</sup> centre. <i>Journal of Organometallic Chemistry</i> , <b>2003</b> , 684, 315-321	2.3	8
238	Synthesis of the First Family of Platinum(IV) Complexes with Phosphorus Ylide Ligands. <i>Organometallics</i> , <b>2002</b> , 21, 3744-3748	3.8	8
237	A Possible Role for Amavadinine in Some Amanita Fungi: A Unique Case in Biology. <i>ACS Symposium Series</i> , <b>1998</b> , 241-247	0.4	8
236	Modelling the voltammetric behaviour of cobalt cations inside zeolites. <i>Studies in Surface Science and Catalysis</i> , <b>1999</b> , 443-446	1.8	8
235	Fast-atom Bombardment (FAB) Mass Spectra of Nitrile or Cyanamide Complexes with the {M(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> } <sub>n</sub> <sup>+</sup> (M=Fe or Re) Metal Sites. Application to Reactions Induced under FAB Conditions. <i>Rapid Communications in Mass Spectrometry</i> , <b>1996</b> , 10, 447-454	2.2	8
234	The cis-Re(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> <sup>+</sup> metal centre. Synthesis and molecular structure of the dinitrile complex cis-[Re(NCC <sub>6</sub> H <sub>4</sub> Me-4,2(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> )] [BF <sub>4</sub> ]. <i>Journal of Organometallic Chemistry</i> , <b>1992</b> , 433, C14-C17	2.3	8
233	ZnO nanoparticles: An efficient catalyst for transesterification reaction of keto carboxylic esters. <i>Catalysis Today</i> , <b>2020</b> , 348, 72-79	5.3	8
232	Solvent-free oxidation of benzyl alcohols catalysed by a tetrazole-saccharinate Zn(II) complex under microwave radiation: The role of the ligand and the reaction mechanism. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1222, 128831	3.4	8



231	Recent Developments in Enantioselective Organocatalytic Cascade Reactions for the Construction of Halogenated Ring Systems. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 3938-3969	3.2	8
230	Platinum and palladium complexes with tetrazole ligands: Synthesis, structure and applications. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 446, 214132	23.2	8
229	Immortalization and characterization of a new canine mammary tumour cell line FR37-CMT. <i>Veterinary and Comparative Oncology</i> , <b>2017</b> , 15, 952-967	2.5	7
228	Unfolding biological properties of a versatile dicopper(II) precursor and its two mononuclear copper(II) derivatives. <i>Journal of Inorganic Biochemistry</i> , <b>2017</b> , 174, 25-36	4.2	7
227	Using chiral ionic liquid additives to enhance asymmetric induction in a Diels-Alder reaction. <i>Dalton Transactions</i> , <b>2017</b> , 46, 1704-1713	4.3	7
226	New palladium(II) complexes with 3-(2-pyridyl)-5-alkyl-1,2,4-triazole ligands as recyclable C $\equiv$ C coupling catalysts. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 10973-10984	3.6	7
225	Synthesis and Structure of Copper Complexes of a N6O4 Macrocyclic Ligand and Catalytic Application in Alcohol Oxidation. <i>Catalysts</i> , <b>2019</b> , 9, 424	4	7
224	Synergistic catalytic action of vanadia-titania composites towards the microwave-assisted benzoin oxidation. <i>Dalton Transactions</i> , <b>2019</b> , 48, 3198-3203	4.3	7
223	The Stereoselective Nitro-Mannich Reaction in the Synthesis of Active Pharmaceutical Ingredients and Other Biologically Active Compounds. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 30	5	7
222	A tetranuclear diphenyltin(IV) complex and its catalytic activity in the aerobic Baeyer-Villiger oxidation of cyclohexanone. <i>Journal of Organometallic Chemistry</i> , <b>2018</b> , 867, 193-200	2.3	7
221	Mononuclear nickel(II) complexes with arylhydrazones of acetoacetanilide and their catalytic activity in nitroaldol reaction. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 469, 197-201	2.7	7
220	Metal-free regioselective C $\equiv$ C bond cleavage in 1,3,5-triazine derivatives of $\beta$ -diketones. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 495-498	3.6	7
219	Trinuclear and polymeric cobalt(II or II/III) complexes with an arylhydrazone of acetoacetanilide and their application in cyanosilylation of aldehydes. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 466, 632-637	2.7	7
218	Preparation, Characterization, and Application of Preyssler Heteropoly Acid Immobilized on Magnetic Nanoparticles as a Green and Recoverable Catalyst for the Synthesis of Imidazoles. <i>Russian Journal of General Chemistry</i> , <b>2017</b> , 87, 3000-3005	0.7	7
217	Syntheses and properties of the gold(I) complexes with bulky thiolates [Au(SR)] <sub>6</sub> and [Au(SR)(PPh <sub>3</sub> )] (R = C <sub>6</sub> H <sub>2</sub> Me <sub>3</sub> -2,4,6 or C <sub>6</sub> H <sub>2</sub> Pr <sup>supi</sup> inf <sub>3</sub> -2,4,6), and the molecular structure of [Au(SC <sub>6</sub> H <sub>2</sub> Pr <sup>supi</sup> inf <sub>3</sub> -2,4,6)(PPh <sub>3</sub> )]. <i>Transition Metal Chemistry</i> , <b>1995</b> , 20, 372-375	2.1	7
216	Novel ring opening and halogen transfer from platinum(II) to phosphorus in the reaction of [PtCl <sub>2</sub> (CNR) <sub>2</sub> ](R = But, p-MeOC <sub>6</sub> H <sub>4</sub> ) with the phosphirene ring PPhCPhCPh. Crystal and molecular structure of the dimeric chlorophosphane complex [PtCl(PClPhCPhCPh)(CNBut)] <sub>2</sub> . <i>Journal of the Chemical Society, Chemical Communications</i> , <b>1993</b> , 1419-1422		7
215	A study of the protonation and alkylation oft-butyl isocyanide intrans-[M(CNBut-2(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> )] (M = Mo or W): Formation of carbyne-type complexes and theirtrans-tocis-isomerization. <i>Transition Metal Chemistry</i> , <b>1985</b> , 10, 427-431	2.1	7
214	Estimate of Electrochemical Ligand Parameters in Iron(II) Adducts of [FeH(CN)(dppe) <sub>2</sub> ]. <i>Portugaliae Electrochimica Acta</i> , <b>2001</b> , 19, 371-376	2.4	7

213	Versatility of Amide-Functionalized Co(II) and Ni(II) Coordination Polymers: From Thermo-chromic-Triggered Structural Transformations to Supercapacitors and Electrocatalysts for Water Splitting. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 16301-16318	5.1	7
212	1,3-Dipolar Cycloaddition of Nitrones to Gold(III)-Bound Isocyanides. <i>Organometallics</i> , <b>2016</b> , 35, 3569-3576	3.8	7
211	In Vitro Assessment of Antimicrobial, Antioxidant, and Cytotoxic Properties of Saccharin-Tetrazolyl and -Thiadiazolyl Derivatives: The Simple Dependence of the pH Value on Antimicrobial Activity. <i>Pharmaceuticals</i> , <b>2019</b> , 12,	5.2	7
210	A new Cu(II)-O-Carvacrotonate complex: Synthesis, characterization and biological activity. <i>Journal of Inorganic Biochemistry</i> , <b>2019</b> , 190, 31-37	4.2	7
209	Novel Methinic Functionalized and Dendritic C-Scorpionates. <i>Molecules</i> , <b>2018</b> , 23,	4.8	7
208	The Henry reaction catalyzed by NiII and CuII complexes bearing arylhydrazones of acetoacetanilide. <i>Journal of Organometallic Chemistry</i> , <b>2018</b> , 869, 48-53	2.3	7
207	Comparison of microwave and mechanochemical energy inputs in the catalytic oxidation of cyclohexane. <i>Dalton Transactions</i> , <b>2018</b> , 47, 8193-8198	4.3	7
206	Chalcogen bonding in coordination chemistry. <i>Coordination Chemistry Reviews</i> , <b>2022</b> , 464, 214556	23.2	7
205	Ball milling as an effective method to prepare magnetically recoverable heterometallic catalysts for alcohol oxidation. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 455, 653-658	2.7	6
204	Cyanosilylation of Aldehydes Catalyzed by Ag(I)- and Cu(II)-Arylhydrazone Coordination Polymers in Conventional and in Ionic Liquid Media. <i>Catalysts</i> , <b>2019</b> , 9, 284	4	6
203	Multinuclear Zn(II)-arylhydrazone complexes as catalysts for cyanosilylation of aldehydes. <i>Journal of Organometallic Chemistry</i> , <b>2020</b> , 912, 121171	2.3	6
202	Heterometallic CuFe and CuMn alkoxo-bridged complexes revealing a rare hexanuclear M(IX)(IX) molecular core. <i>Dalton Transactions</i> , <b>2018</b> , 47, 10941-10952	4.3	6
201	Nickel(II) Complexes with Redox Noninnocent Octaazamacrocycles as Catalysts in Oxidation Reactions. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 11133-11145	5.1	6
200	Ni(II)-Aroylhydrazone Complexes as Catalyst Precursors Towards Efficient Solvent-Free Nitroaldol Condensation Reaction. <i>Catalysts</i> , <b>2019</b> , 9, 554	4	6
199	Hydrosoluble Complexes Bearing Tris(pyrazolyl)methane Sulfonate Ligand: Synthesis, Characterization and Catalytic Activity for Henry Reaction. <i>Catalysts</i> , <b>2019</b> , 9, 611	4	6
198	Syntheses and some features of five new cyclohexane-1,3-dicarboxylates with multiple stereogenic centers. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1032, 83-87	3.4	6
197	Electrocatalytic reduction of organohalides mediated by the dihalo-molybdenum phosphinic complexes trans-[MoX(2)(Ph(2)PCH(2)CH(2)PPh(2))(2)] (X = I, Br)-A mechanistic study by cyclic voltammetry digital simulation. <i>Dalton Transactions</i> , <b>2009</b> , 4772-7	4.3	6
196	Synthesis, characterization and redox behaviour of benzoyldiazenido- and oxorhenium complexes bearing N,N- and S,S-type ligands. <i>Inorganica Chimica Acta</i> , <b>2010</b> , 363, 1269-1274	2.7	6

- 195 Cationic nickel(II) complexes with azine diphosphines: structural and electrochemical study. *Inorganica Chimica Acta*, **2002**, 338, 201-209 2.7 6
- 194 Dinitrile complexes with a rare cis-diphosphine rhenium(I) centre: syntheses, properties and cis- to trans-isomerization. *Journal of Organometallic Chemistry*, **1996**, 526, 237-250 2.3 6
- 193 [MoH<sub>4</sub>(dppe)<sub>2</sub>].thf (dppe = Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>; thf = Tetrahydrofuran). *Acta Crystallographica Section C: Crystal Structure Communications*, **1995**, 51, 23-26 6
- 192 Novel phosphalkyne/benzoyldiazenido ligand coupling forming the first  $\sigma$ -phosphidocarbene complex. Synthesis and molecular structure of [ReCl<sub>2</sub>{ $\eta$ -N(NCOPh)PCButPCBut}(PPh<sub>3</sub>)]. *Journal of the Chemical Society Chemical Communications*, **1991**, 1031-1032 6
- 191 Preparation of a tetrahydroborate complex of rhenium(I), cis-[Re( $\eta$ -BH<sub>4</sub>)(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>]. *Journal of Organometallic Chemistry*, **1986**, 306, C33-C35 2.3 6
- 190 1-Methyl-1-azonia-3,5-diaza-7-phosphatrimethylsilyl-3,3,1,1]decane tetra-fluoro-borate. *Acta Crystallographica Section E: Structure Reports Online*, **2008**, 64, o556 6
- 189 Chemistry and Electrochemistry of Alkyne-and Isocyanide-Derived Carbyne Complexes of Rhenium, Molybdenum or Tungsten **1993**, 105-121 6
- 188 A mechanistic insight into the rapid and selective removal of Congo Red by an amide functionalised Zn(II) coordination polymer. *Dalton Transactions*, **2020**, 49, 12970-12984 4.3 6
- 187 Naphthalimide-phenanthroimidazole incorporated new fluorescent sensor for "turn-on" Cu detection in living cancer cells. *Journal of Inorganic Biochemistry*, **2021**, 220, 111466 4.2 6
- 186 Influence of anchoring moieties on new benzimidazole-based Schiff base copper(II) complexes towards estrogen dependent breast cancer cells. *Dalton Transactions*, **2021**, 50, 3701-3716 4.3 6
- 185 The Catalytic Activity of Carbon-Supported Cu(I)-Phosphine Complexes for the Microwave-Assisted Synthesis of 1,2,3-Triazoles. *Catalysts*, **2021**, 11, 185 4 6
- 184 Packing polymorphism in 3-amino-2-pyrazinecarboxylate based tin(II) complexes and their catalytic activity towards cyanosilylation of aldehydes. *New Journal of Chemistry*, **2018**, 42, 17513-17523 3.6 6
- 183 Details make the difference: a family of tetranuclear CuMn complexes with cube-like and double open cube-like cores. *Dalton Transactions*, **2017**, 46, 7480-7494 4.3 5
- 182 C-scorpionate iron(II) complexes as highly selective catalysts for the hydrocarboxylation of cyclohexane. *Inorganica Chimica Acta*, **2019**, 489, 269-274 2.7 5
- 181 Zn(II)-to-Cu(II) Transmetalation in an Amide Functionalized Complex and Catalytic Applications in Styrene Oxidation and Nitroaldol Coupling. *Molecules*, **2020**, 25, 4.8 5
- 180 Elementary and efficient catalyst process for the Knoevenagel condensation of araldehydes with arylmethylidene malononitrile. *Inorganica Chimica Acta*, **2018**, 471, 76-81 2.7 5
- 179 Mononuclear copper(II) complexes of an arylhydrazone of 1H-indene-1,3(2H)-dione as catalysts for the oxidation of 1-phenylethanol in ionic liquid medium. *RSC Advances*, **2016**, 6, 83412-83420 3.7 5
- 178 Activation of Covalent Bonds Through Non-covalent Interactions **2016**, 1-21 5

177	New Microbe Killers: Self-Assembled Silver(I) Coordination Polymers Driven by a Cagelike Aminophosphine. <i>Materials</i> , <b>2019</b> , 12,	3.5	5
176	The solvation and redox behavior of mixed ligand copper(II) complexes of acetylacetonate and aromatic diimines in ionic liquids. <i>Inorganica Chimica Acta</i> , <b>2014</b> , 409, 465-471	2.7	5
175	The Ferrocifen Family as Potent and Selective Antitumor Compounds: Mechanisms of Action <b>2013</b> , 563-580		5
174	Synthesis, characterization, electrochemical behavior and in vitro protein tyrosine kinase inhibitory activity of the cymene-halogenobenzohydroxamate [Ru( $\eta$ -6-cymene)(bha)Cl] complexes. <i>Journal of Organometallic Chemistry</i> , <b>2013</b> , 730, 137-143	2.3	5
173	Cyanosilylation of aldehydes catalyzed by arylhydrazone di- and triorganotin(IV) complexes. <i>Journal of Organometallic Chemistry</i> , <b>2017</b> , 848, 118-121	2.3	5
172	First-Row-Transition Ion Metals(II)-EDTA Functionalized Magnetic Nanoparticles as Catalysts for Solvent-Free Microwave-Induced Oxidation of Alcohols. <i>Catalysts</i> , <b>2017</b> , 7, 335	4	5
171	New cobalt(II) and nickel(II) complexes of 2-hydroxy-benzyl derivatives of 4-aminoantipyrine. <i>Polyhedron</i> , <b>2012</b> , 44, 72-76	2.7	5
170	Bis[ $\mu$ -[bis(2-hydroxyethyl)amino]ethanolato}bis(4-methylbenzoato)dicopper(II) dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, m526-m528		5
169	Bis[tris(1-pyrazolyl)methane- $\beta$ N,N',N'']copper(II) dichloride methanol disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, m1979-m1979		5
168	Nucleophilic addition of bifunctional sulfimidodisulfides to platinum(IV)-coordinated nitriles. <i>Russian Chemical Bulletin</i> , <b>2004</b> , 53, 1681-1685	1.7	5
167	The metall-Pinner reaction between Pt(IV)-bound nitriles and alkylated oxamic and oximic forms of hydroxamic acids. <i>Dalton Transactions</i> , <b>2004</b> , 2728-32	4.3	5
166	Preparation of bisdiazalkane and related complexes from the reactions of diazo compounds with the dinitrogen complexestrans-[M(N <sub>2</sub> ) <sub>2</sub> (Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ] (M=Mo or W). <i>Monatshefte für Chemie</i> , <b>1992</b> , 123, 749-756	1.4	5
165	Synthesis and X-ray structure of [ReBr <sub>3</sub> (NNPh)(PPh <sub>3</sub> ) <sub>2</sub> ], a paramagnetic organodiazenido complex. <i>Inorganica Chimica Acta</i> , <b>1993</b> , 211, 131-132	2.7	5
164	Diazenido, dinitrogen and trisocyanide complexes of rhenium(I) with phosphite or phosphonite co-ligands. <i>Polyhedron</i> , <b>1989</b> , 8, 1778-1779	2.7	5
163	The crystal structure of [WH <sub>2</sub> Cl <sub>2</sub> (PMe <sub>2</sub> Ph) <sub>4</sub> ] and its dehydrochlorination to generate a reactive metal centre. <i>Journal of Organometallic Chemistry</i> , <b>1983</b> , 255, C1-C4	2.3	5
162	Urea and thiourea based coordination polymers and metal-organic frameworks: Synthesis, structure and applications. <i>Coordination Chemistry Reviews</i> , <b>2022</b> , 453, 214314	23.2	5
161	Redox Properties of the Dinitrogen-Cyanamide Complexes trans-[Mo(N <sub>2</sub> )(NCNR <sub>2</sub> )(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ]. <i>Portugaliae Electrochimica Acta</i> , <b>1999</b> , 17, 221-224	2.4	5
160	Redox Behaviour of Alkynol-Derived Allenylidene Complexes of Iron(II). <i>Portugaliae Electrochimica Acta</i> , <b>2001</b> , 19, 361-365	2.4	5

- 159 Electrochemical Study of Alkynyl Fe(II) Complexes. *Portugaliae Electrochimica Acta*, **2003**, 21, 85-90 2.4 5
- 158 Carbene Complexes Derived from the Activation of Isocyanides and Alkynes by Electron-Rich Metal Centres **1989**, 79-99 5
- 157 Redox Properties of the Amavadin Models [V(HIDA)<sub>2</sub>]<sup>2-</sup> and [V(HIDPA)<sub>2</sub>]<sup>2-</sup> and Their Electroinduced Reactivity Towards Activated-Thiols and -Phenols **1993**, 411-415 5
- 156 Well-defined nickel(II) tetrazole-saccharinate complex as homogeneous catalyst on the reduction of aldehydes: scope and reaction mechanism. *Pure and Applied Chemistry*, **2020**, 92, 151-166 2.1 5
- 155 C-scorpionate Au(III) complexes as pre-catalysts for industrially significant toluene oxidation and benzaldehyde esterification reactions. *Inorganica Chimica Acta*, **2020**, 512, 119881 2.7 5
- 154 Non-Covalent Interactions in Enantioselective Organocatalysis: Theoretical and Mechanistic Studies of Reactions Mediated by Dual H-Bond Donors, Bifunctional Squaramides, Thioureas and Related Catalysts. *Catalysts*, **2021**, 11, 569 4 5
- 153 Integrated Green Chemical Approach to the Medicinal Plant *Carpobrotus edulis* Processing. *Scientific Reports*, **2019**, 9, 18171 4.9 5
- 152 3,7-Diacetyl-1,3,7-triaza-5-phosphabicyclo[3.3.1]nonane (DAPTA) and derivatives: Coordination chemistry and applications. *Coordination Chemistry Reviews*, **2021**, 429, 213614 23.2 5
- 151 1D Zn(II) Coordination Polymers as Effective Heterogeneous Catalysts in Microwave-Assisted Single-Pot Deacetalization-Knoevenagel Tandem Reactions in Solvent-Free Conditions. *Catalysts*, **2021**, 11, 90 4 5
- 150 Metal-free and iron(II)-assisted oxidation of cyclohexane to adipic acid with ozone: A theoretical mechanistic study. *Journal of Catalysis*, **2021**, 399, 52-66 7.3 5
- 149 Supported Gold Nanoparticles as Catalysts in Peroxidative and Aerobic Oxidation of 1-Phenylethanol under Mild Conditions. *Nanomaterials*, **2020**, 10, 5.4 4
- 148 Pnictogen and chalcogen bonds in cyclometalated iridium(III) complexes. *Inorganica Chimica Acta*, **2018**, 477, 31-33 2.7 4
- 147 Cyanosilylation of aldehydes catalyzed by lanthanide derivatives comprising arylhydrazones of  $\beta$ -diketones. *Journal of Organometallic Chemistry*, **2018**, 867, 102-105 2.3 4
- 146 Highly Active and Selective Supported Rhenium Catalysts for Aerobic Oxidation of n-Hexane and n-Heptane. *Catalysts*, **2018**, 8, 114 4 4
- 145 Copper(II)-mediated in-situ hydrolyses of pyrroline N-oxide and benzonitrile leading to a mixed ligand complex. *Inorganic Chemistry Communication*, **2012**, 18, 69-72 3.1 4
- 144 New arylhydrazones of  $\beta$ -diketones and their optical and thermal properties. *Journal of Molecular Structure*, **2012**, 1019, 16-20 3.4 4
- 143 Tetrel, Chalcogen, and Charge-Assisted Hydrogen Bonds in 2-((2-Carboxy-1-(substituted)-2-hydroxyethyl)thio) Pyridin-1-ium Chlorides. *Crystals*, **2017**, 7, 327 2.3 4
- 142 Cyanoimide-Bridged, Bi- and Trinuclear, Heterometallic Complexes with an NCN $\cdots$ Mo $\cdots$ NCN Phosphinic Core. *European Journal of Inorganic Chemistry*, **2009**, 2009, 3966-3971 2.3 4



141	trans-Bis[5-(4-fluorophenyl)tetrazolato]bis(triphenylphosphine)platinum(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, m2656-m2656		4
140	Electrochemical behaviour and reactivity of cyclohexadienyl iron complexes. <i>Inorganica Chimica Acta</i> , <b>1996</b> , 248, 45-49	2.7	4
139	Organometallic and coordination chemistry on phosphazenes. III. Synthesis, characterization, and electrochemical behavior of transition metal-cinnamionitrile cyclophosphazene derivatives. <i>Journal of Inorganic and Organometallic Polymers</i> , <b>1996</b> , 6, 145-170		4
138	Time resolved polarography. Study of the EC mechanism. <i>Analytica Chimica Acta</i> , <b>1995</b> , 306, 107-113	6.6	4
137	Diazadiene-isonitrile complexes of molybdenum(II) and molybdenum(III). <i>Transition Metal Chemistry</i> , <b>1981</b> , 6, 255-258	2.1	4
136	Three-dimensional hydrogen-bonded supra-molecular assembly in tetrakis-(1,3,5-triaza-7-phosphaadamantane)copper(I) chloride hexa-hydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2008</b> , 64, m603-4		4
135	Electrochemical Behaviour of trans-[FeH(CN)(dppe) <sub>2</sub> ] Adducts. <i>Collection of Czechoslovak Chemical Communications</i> , <b>2003</b> , 68, 1663-1676		4
134	Synthesis of a Novel Series of Cu(I) Complexes Bearing Alkylated 1,3,5-Triaza-7-phosphaadamantane as Homogeneous and Carbon-Supported Catalysts for the Synthesis of 1- and 2-Substituted-1,2,3-triazoles. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	4
133	Electrochemical Behaviour of Complexes Derived from the Activation of Alkynes, Isocyanides and Nitriles <b>1993</b> , 331-344		4
132	Water-Soluble O-, S- and Se-Functionalized Cyclic Acetyl-triaza-phosphines. Synthesis, Characterization and Application in Catalytic Azide-alkyne Cycloaddition. <i>Molecules</i> , <b>2020</b> , 25,	4.8	4
131	Novel H-Bonded Synthons in Copper Supramolecular Frameworks with Aminoethylpiperazine-Based Ligands. Synthesis, Structure and Catalytic Activity. <i>Materials</i> , <b>2020</b> , 13,	3.5	4
130	Mono-alkylation of cyanoimide at a molybdenum(IV) diphosphinic center by alkyl halides: synthesis, cathodically induced isomerization and theoretical studies. <i>Electrochimica Acta</i> , <b>2016</b> , 218, 252-262	6.7	4
129	Pentafluorophenyl Platinum(II) Complexes of PTA and its N-Allyl and N-Benzyl Derivatives: Synthesis, Characterization and Biological Activity. <i>Materials</i> , <b>2019</b> , 12,	3.5	4
128	Alkane-Oxidizing Systems Based on Metal Complexes. Radical Versus Nonradical Mechanisms <b>2018</b> , 47-72		4
127	Noncovalent Interactions at Lanthanide Complexes. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 14370-14388	4.8	4
126	Toward Functionalization of Alkanes under Environmentally Benign Conditions <b>2020</b> , 15-25		4
125	Green synthesis of zinc oxide particles with apple-derived compounds and their application as catalysts in the transesterification of methyl benzoates. <i>Dalton Transactions</i> , <b>2020</b> , 49, 6488-6494	4.3	3
124	Biological Evaluation of Azo- and Imino-Based Carboxylate Triphenyltin(IV) Compounds. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 930-941	2.3	3

- 123 Acylated cyanoimido-complexes trans-[Mo(NCN){NCNC(O)R}(dppe)(2)]Cl and their reactions with electrophiles: chemical, electrochemical and theoretical study. *Dalton Transactions*, **2012**, 41, 13876-90 4.3 3
- 122 Solvent-dependent reactivities of acyclic nitrones with  $\beta$ -diketones: catalyst-free syntheses of endiones and enones. *Tetrahedron*, **2012**, 68, 7019-7027 2.4 3
- 121 Thermodynamics of Dissociation of ortho-Hydroxyphenylhydrazo- $\beta$ -diketones and of Their Complexation with Copper(II) in Aqueous Ethanol Solutions. *Journal of Solution Chemistry*, **2012**, 41, 491-502 1.8 3
- 120 Complexes with Protic N-Heterocyclic Carbene (NR,NH-NHC) Ligands **2013**, 111-132 3
- 119 Palladium-(Acyclic Diaminocarbene) Species as Alternative to Palladium-(Nitrogen Heterocyclic Carbenes) in Cross-Coupling Catalysis **2013**, 145-155 3
- 118 Diaquabis(2-hydroxyiminopropionato- $\lambda$ N,O)copper(II). *Acta Crystallographica Section E: Structure Reports Online*, **2007**, 63, m1670-m1671 3
- 117 Ligand Reactivity: General Introduction **2003**, 585-594 3
- 116 Theoretical study of the relative stability of isomeric forms of platinum carboxamide complexes. *Inorganica Chimica Acta*, **2003**, 350, 245-251 2.7 3
- 115 Stopped-flow mechanistic study of bromide substitution by an organonitrile at an iron(II) phosphinic centre; a  $\beta$ -electron driven process. *Inorganica Chimica Acta*, **1996**, 250, 311-315 2.7 3
- 114 Synthesis and redox properties of complexes of rhenium(I) with cyanoguanidine and some derivatives. Crystal structure of trans-[ReNCNC(NH<sub>2</sub>)<sub>2</sub> (CNMe)(Ph<sub>2</sub>PCH<sub>2</sub>CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>] [BF<sub>4</sub>]. *Journal of Organometallic Chemistry*, **1994**, 469, 179-187 2.3 3
- 113 Reactions and electrochemical behaviour of dithiocarbene complexes of platinum(II). *Inorganica Chimica Acta*, **1995**, 235, 397-405 2.7 3
- 112 Conversion of alkynes and nitriles into organo and organonitrogenated species at group VI and VII dinitrogen-binding metal centers. Synthesis of some vinylidene and alkynyl complexes of rhenium. *Monatshefte für Chemie*, **1993**, 124, 739-749 1.4 3
- 111 Reactions of Bis(phenyldiazenido)rhenium Complex [ReBr<sub>2</sub>(NNPh)<sub>2</sub>(PPh<sub>3</sub>)<sub>2</sub>]Br with Carbon Monoxide and Alk-1-yne. *Collection of Czechoslovak Chemical Communications*, **2007**, 72, 599-608 3
- 110 Transition Metal-Based Prodrugs for Anticancer Drug Delivery. *Current Medicinal Chemistry*, **2019**, 26, 7476-7519 4.3 3
- 109 Amavadine, a Vanadium Compound in Amanita Fungi **2012**, 35-49 3
- 108 Chapter 8: C–C Bond Formation in the Sustainable Synthesis of Pharmaceuticals. *RSC Green Chemistry*, 193-229 0.9 3
- 107 Metal-Based Indolobenzazepines and Indoloquinolines: From Moderate CDK Inhibitors to Potential Antitumor Drugs 605-617 3
- 106 Mechanochemical Preparation of Pd(II) and Pt(II) Composites with Carbonaceous Materials and Their Application in the Suzuki-Miyaura Reaction at Several Energy Inputs. *Molecules*, **2020**, 25, 4.8 3

105	Catalytic oxidation of a model volatile organic compound (toluene) with tetranuclear Cu(II) complexes. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 520, 120314	2.7	3
104	Solvent-free oxidation of 1-phenylethanol catalysed by gold nanoparticles supported on carbon powder materials. <i>Catalysis Today</i> , <b>2020</b> , 357, 22-31	5.3	3
103	Commercial gold(III) complex supported on functionalized carbon materials as catalyst for cyclohexane hydrocarboxylation. <i>Catalysis Today</i> , <b>2020</b> , 357, 39-45	5.3	3
102	Pyrene Carboxylate Ligand Based Coordination Polymers for Microwave-Assisted Solvent-Free Cyanosilylation of Aldehydes. <i>Molecules</i> , <b>2021</b> , 26,	4.8	3
101	A Mixed Valence CoCo Field-Supported Single Molecule Magnet: Solvent-Dependent Structural Variation. <i>Molecules</i> , <b>2021</b> , 26,	4.8	3
100	Alkane Functionalization: Introduction and Overview <b>2018</b> , 1-15		3
99	Copper(II) Complexes of Arylhydrazone of 1H-Indene-1,3(2H)-dione as Catalysts for the Oxidation of Cyclohexane in Ionic Liquids. <i>Catalysts</i> , <b>2018</b> , 8, 636	4	3
98	Microwave-Assisted Catalytic Oxidation of Alcohols to Carbonyl Compounds233-245		3
97	CarbonScorpionate Complexes in Oxidation Catalysis285-294		3
96	Expanding the family of substituted-at-core nickel(II) phthalocyanines. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 455, 696-700	2.7	2
95	Fe(III) Complexes in Cyclohexane Oxidation: Comparison of Catalytic Activities under Different Energy Stimuli. <i>Catalysts</i> , <b>2020</b> , 10, 1175	4	2
94	Ultrasound and Radiation-Induced Catalytic Oxidation of 1-Phenylethanol to Acetophenone with Iron-Containing Particulate Catalysts. <i>Molecules</i> , <b>2020</b> , 25,	4.8	2
93	Synthesis, Structures, Electrochemistry, and Catalytic Activity towards Cyclohexanol Oxidation of Mono-, Di-, and Polynuclear Iron(III) Complexes with 3-Amino-2-Pyrazinecarboxylate. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2692	2.6	2
92	characterization of arylhydrazones of active methylene derivatives. <i>Saudi Pharmaceutical Journal</i> , <b>2018</b> , 26, 430-436	4.4	2
91	Nitroaldol reaction catalyzed by arylhydrazone di- and triorganotin(IV) complexes. <i>Journal of Organometallic Chemistry</i> , <b>2018</b> , 867, 98-101	2.3	2
90	New chiral terpene-derived vanadatranes. <i>Inorganica Chimica Acta</i> , <b>2002</b> , 336, 147-150	2.7	2
89	Study on the reactions of the dinitrogen complexestrans-[M(N <sub>2</sub> ) <sub>2</sub> (Ph 2PCH <sub>2</sub> CH <sub>2</sub> PPh 2) <sub>2</sub> ] (M=Mo or W) with ethyldiazoacetate: Formation of an Azo compound and of a phosphazene species. <i>Monatshefte für Chemie</i> , <b>1986</b> , 117, 429-435	1.4	2
88	Reactions of the dinitrogen complexestrans-[ReCl(N <sub>2</sub> )(dppe) <sub>2</sub> ] with thiolate compounds and with carbon bisulphide. <i>Transition Metal Chemistry</i> , <b>1985</b> , 10, 463-466	2.1	2

87	1-Methyl-1-azonia-3,5-diaza-7-phospha-tricyclo-[3.3.1.1]decane 7-oxide triiodide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2008</b> , 64, o496-7		2
86	Highly Selective Cyclohexane Oxidation Catalyzed by Ferrocene in Ionic Liquid Medium. <i>Letters in Organic Chemistry</i> , <b>2017</b> , 14,	0.6	2
85	Comparative Electrochemical Behaviour of the Complexes trans-[Mo(NCN){NCNC(O)R}(dppe) <sub>2</sub> ]Cl (R = Et or Ph) and trans-[Mo(NCN)Cl(dppe) <sub>2</sub> ][BF <sub>4</sub> ]. <i>Portugaliae Electrochimica Acta</i> , <b>2004</b> , 22, 19-23	2.4	2
84	Redox Behaviour of a Tris(pyrazolyl)methanesulfonate Vanadium Complex, a Preliminary Study. <i>Portugaliae Electrochimica Acta</i> , <b>2006</b> , 24, 257-259	2.4	2
83	Electrochemical Properties of (h <sup>5</sup> -C <sub>5</sub> Me <sub>5</sub> )Rhodium and Iridium Complexes Containing Bis(pyrazolyl)alkane Ligands. <i>Portugaliae Electrochimica Acta</i> , <b>2014</b> , 32, 253-257	2.4	2
82	Redox Properties and Ligand Effects for the Hydrido-Technetium-Dinitrogen, -Carbonyl and -Isocyanide Complexes trans-[TcH(L)(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ] (L = N <sub>2</sub> , CO or CNR) <b>1993</b> , 63-67		2
81	Fe@Hierarchical BEA Zeolite Catalyst for MW-Assisted Alcohol Oxidation Reaction: A Greener Approach. <i>Catalysts</i> , <b>2020</b> , 10, 1029	4	2
80	Nickel(II), Copper(II) and Palladium(II) Complexes with Bis-Semicarbazide Hexaazamacrocycles: Redox-Noninnocent Behavior and Catalytic Activity in Oxidation and C-C Coupling Reactions. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 10650-10664	5.1	2
79	Mechanochemical and Conventional Synthesis of Copper(II) Coordination Polymers Bearing Arylhydrazone of Acetoacetanilide and Their Catalytic Activity in Conversion of Acetone to Acetic Acid. <i>ChemistrySelect</i> , <b>2020</b> , 5, 7923-7927	1.8	2
78	Modern Methods for the Synthesis of 1,4-Oxazepanes and their Benzo-Derivatives <b>2020</b> , 437-500		2
77	Amavadin and Homologues as Mediators of Water Oxidation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 1511-1514	3.6	2
76	Catalytic effect of different hydroxyl-functionalised ionic liquids together with Zn(II) complex in the synthesis of cyclic carbonates from CO <sub>2</sub> . <i>Molecular Catalysis</i> , <b>2021</b> , 499, 111292	3.3	2
75	Microwave-assisted synthesis of fluoroorganics <b>2021</b> , 415-488		2
74	A new amido-phosphane as ligand for copper and silver complexes. Synthesis, characterization and catalytic application for azide-alkyne cycloaddition in glycerol. <i>Dalton Transactions</i> , <b>2021</b> , 50, 6109-6125	4.3	2
73	Role of Halogen Substituents on Halogen Bonding in 4,5-Dibromohexahydro-3a,6-Epoxyisoindol-1(4H)-ones. <i>Crystals</i> , <b>2021</b> , 11, 112	2.3	2
72	Reactions of Alkyl Radicals in Aqueous Solutions* <b>2018</b> , 73-103		2
71	Alkane Oxidation with Multinuclear Heterometallic Catalysts <b>2018</b> , 125-140		2
70	Alkane Oxidation with Vanadium and Copper Catalysts <b>2018</b> , 319-336		2

69	A Bio-Based Alginate Aerogel as an Ionic Liquid Support for the Efficient Synthesis of Cyclic Carbonates from CO <sub>2</sub> and Epoxides. <i>Catalysts</i> , <b>2021</b> , 11, 872	4	2
68	The Chalcogen Bond in Solution: Synthesis, Catalysis and Molecular Recognition <b>2021</b> , 363-382		2
67	Highly Efficient Adsorptive Removal of Organic Dyes from Aqueous Solutions Using Polyaromatic Group-Containing Zn(II)-Based Coordination Polymers. <i>Crystal Growth and Design</i> , <b>2022</b> , 22, 2248-2265	3.5	2
66	Heterogeneous Gold Nanoparticle-Based Catalysts for the Synthesis of Click-Derived Triazoles via the Azide-Alkyne Cycloaddition Reaction. <i>Catalysts</i> , <b>2022</b> , 12, 45	4	2
65	Knoevenagel condensation reaction in supercritical carbon dioxide medium using a Zn(II) coordination polymer as catalyst. <i>Inorganica Chimica Acta</i> , <b>2022</b> , 538, 120981	2.7	2
64	Distinctive coordination behavior of a pyrazole imine-oxime compound towards Co(II) and Ni(II). <i>Heliyon</i> , <b>2019</b> , 5, e01623	3.6	1
63	Vanadium Complexes in Catalytic Oxidations <b>2017</b> ,		1
62	Interaction Directed Applications of Metal Complexes <b>2016</b> , 101-114		1
61	Efficient Solvent-Free Friedel-Crafts Benzoylation and Acylation of m-Xylene Catalyzed by N-Acetylpyrazine-2-carbohydrazide-Fe(III)-chloro Complexes. <i>ChemistrySelect</i> , <b>2018</b> , 3, 8349-8355	1.8	1
60	Electron Transfer-Induced Coordination Changes in Organometallic Complexes with Noninnocent Hemilabile Ligands <b>2013</b> , 667-675		1
59	Reactivity of the antitumor complex (H <sub>2</sub> trz)[trans-RuCl <sub>4</sub> (N <sub>2</sub> -Htrz) <sub>2</sub> ] in the presence of DNA purines within a fluorinated silica matrix. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 1189-99	3.4	1
58	Oxidation of Glycerol with Hydrogen Peroxide Catalyzed by Metal Complexes <b>2013</b> , 247-257		1
57	Technetium & Rhenium: Inorganic & Coordination Chemistry <b>2011</b> ,		1
56	The first metal complexes bearing ligated 3-iminoisoindolin-1-ones. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 2994-2998	2.7	1
55	Vanadium,bis[N-[(1S)-1-(carboxy- <sup>13</sup> C)ethyl]-N-(hydroxy- <sup>13</sup> C)-l-alaninato(2-)- <sup>13</sup> C]- <b>2012</b> ,		1
54	Synthesis and properties of camphorimine iron(III) or copper(II) complexes. <i>Inorganica Chimica Acta</i> , <b>1997</b> , 258, 201-209	2.7	1
53	Technetium & Rhenium: Inorganic & Coordination Chemistry <b>2006</b> ,		1
52	Diisocyanide Complexes of Molybdenum(0) and Tungsten(0) and Derived Aminocarbyne Complexes. <i>Inorganic Syntheses</i> , <b>2007</b> , 9-14		1



51	Bis[1,1-bis(propan-2-iminoxy)-1H-isoindol-3-amine-3N,N?,N??]nickel(II) dinitrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m2846-m2848		1
50	FORMATION OF RING SYSTEMS WITHIN SULFIMIDES AND THEIR METAL COMPLEXES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2004</b> , 179, 983-984	1	1
49	trans-Tetrachlorobis[(E)-ethyl 2-(1-iminopropoxyimino)propanoate]platinum(IV). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2005</b> , 61, m1765-m1767		1
48	Phosphinic complexes of rhenium and tungsten in reactions with stereoindicators. <i>Journal of Organometallic Chemistry</i> , <b>1992</b> , 438, C23-C25	2-3	1
47	Halogen bonding in cadmium(II) MOFs: its influence on the structure and on the nitroaldol reaction in aqueous medium.. <i>Dalton Transactions</i> , <b>2021</b> ,	4-3	1
46	Homogeneous oxidation of C-H bonds with m-CPBA catalysed by a Co/Fe system: mechanistic insights from the point of view of the oxidant. <i>Catalysis Science and Technology</i> ,	5-5	1
45	Mechanism of the Electroactivation of the Metal-Hydride Bond in [ReClH(NCR)(Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ][BF <sub>4</sub> ] <b>1993</b> , 483-487		1
44	Electrochemical Ligand Parameters for Phosphonium-Functionalized Isocyanides and Derived Carbenes and Indoles of Group VI Transition Metal Carbonyls <b>1993</b> , 57-62		1
43	From Serendipity to Porosity: Synthesis and Reactivity of Coordination Polymers Based on Copper Trinuclear Triangular Motifs 407-419		1
42	Redox Potential-Structure Relationships and Parameterization in Characterization and Identification of Organometallic Compounds 677-690		1
41	Self-Assembled Multicopper Complexes and Coordination Polymers for Oxidation and Hydrocarboxylation of Alkanes 27-38		1
40	Organometallic Polymers 379-405		1
39	New members of the polynuclear manganese family: MnMn single-molecule magnets and MnMn antiferromagnetic complexes. Synthesis and magnetostructural correlations. <i>Dalton Transactions</i> , <b>2020</b> , 49, 13970-13985	4-3	1
38	Equilibria in Aqueous Cobalt(II)-Reduced Schiff Base -(2-hydroxybenzyl)alanine System: Chemical Characterization, Kinetic Analysis, Antimicrobial and Cytotoxic Properties. <i>Molecules</i> , <b>2020</b> , 25,	4-8	1
37	Immobilization of Rh(I)-N-Xantphos and Fe(II)-C-Scorpionate onto Magnetic Nanoparticles: Reusable Catalytic System for Sequential Hydroformylation/Acetalization. <i>Catalysts</i> , <b>2021</b> , 11, 608	4	1
36	Vanadium C-scorpionate supported on mesoporous aptes-functionalized SBA-15 as catalyst for the peroxidative oxidation of benzyl alcohol. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 320, 111111	5-3	1
35	Cooperation of Non-covalent Interactions and Coordination in Catalysis <b>2016</b> , 327-344		1
34	A novel -vanillin Fe(III) complex catalytically active in C-H oxidation: exploring the magnetic exchange interactions and spectroscopic properties with different DFT functionals. <i>Dalton Transactions</i> , <b>2021</b> , 50, 14782-14796	4-3	1

33	Recent Developments of Bioinspired Approaches to Functionalization of Light Alkanes <b>2018</b> , 189-210		1
32	Regioselectivity of Non-heme Iron Catalysts for C <sup>2</sup> H Activation <b>2018</b> , 211-230		1
31	Imine-based Iron and Manganese Complexes as Catalysts for Alkane Functionalization <b>2018</b> , 231-249		1
30	Nontransition Metal Catalyzed Oxidation of Alkanes with Peroxides <b>2018</b> , 485-501		1
29	Alkane Oxidation with Biologically Inspired Nonheme Iron Catalysts Based in the Triazacyclononane Ligand Scaffold <b>2018</b> , 251-268		1
28	The Nature of High-Valent Oxometal Intermediates of Iron-Aminopyridine Mediated Oxidations <b>2018</b> , 269-292		1
27	Alkoxo bridged heterobimetallic CoIIISnIV compounds with face shared coordination octahedra: Synthesis, crystal structure and cyanosilylation catalysis. <i>Journal of Organometallic Chemistry</i> , <b>2021</b> , 949, 121949	2.3	1
26	MII <sub>2</sub> Cl Interaction Supported Heterometallic {NiIIISnII}{SnIV} and {NiIIISnII}{SnII} Complex Salts: Possibility of Ion-Pair-Assisted Tetrel Bonds. <i>Crystal Growth and Design</i> , <b>2022</b> , 22, 341-355	3.5	1
25	Benzimidazole Schiff base copper(II) complexes as catalysts for environmental and energy applications: VOC oxidation, oxygen reduction and water splitting reactions. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> ,	6.7	1
24	N-Formylation of amines using arylhydrazones of malononitrile and a Cu(II) complex under eco-friendly conditions at room temperature. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 513, 119938	2.7	0
23	C-Heterogenized Re Nanoparticles as Effective Catalysts for the Reduction of 4-Nitrophenol and Oxidation of 1-Phenylethanol. <i>Catalysts</i> , <b>2022</b> , 12, 285	4	0
22	Polyaromatic Carboxylate Ligands Based Zn(II) Coordination Polymers for Ultrasound-Assisted One-Pot Tandem Deacetalization-Knoevenagel Reactions. <i>Catalysts</i> , <b>2022</b> , 12, 294	4	0
21	Ultrasound and photo-assisted oxidation of toluene and benzyl alcohol with oxidovanadium(V) complexes. <i>Applied Catalysis A: General</i> , <b>2022</b> , 638, 118623	5.1	0
20	Commercial Gold(I) and Gold(III) Compounds Supported on Carbon Materials as Greener Catalysts for the Oxidation of Alkanes and Alcohols. <i>ChemCatChem</i> , <b>2018</b> , 10, 1661-1662	5.2	
19	trans-Bis[1,2-Ethanedithiolbis(Diphenyl- Phosphine)]Bis(Isocyanomethane)Tungsten(0). <i>Inorganic Syntheses</i> , <b>2007</b> , 43-45		
18	Triphenylbenzylphosphonium trichloro(propiononitrile)platinate(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m1843-m1844		
17	Electrochemical Behaviour of Aminoxy-, Dioxy- and Diaminocarbene Complexes of Palladium(II) and Platinum(II) <b>1993</b> , 345-350		
16	Noncovalent Interactions. <i>Chemistry International</i> , <b>2020</b> , 42, 37-40		1.6

- 15 A Comparative Study of Numerical Methods for Cyclic Voltammetry Digital Simulation of an Electrochemical Process with a Coupled Chemical Reaction **1993**, 477-482
- 14 Electrochemistry of Fischer Aminocarbene Complexes: Effects of Structure on Redox Properties, Electron Distribution, and Reaction Mechanisms **1993**, 653-665
- 13 Metal-Mediated [2+3] Dipolar Cycloaddition to Substrates with CN Triple Bond: Recent Advances **1993**, 171-183
- 12 Organometallic Complexes as Catalysts in Oxidation of C-H Compounds **1993**, 1-13
- 11 Half-Sandwich Rhodium(III), Iridium(III), and Ruthenium(II) Complexes with Ancillary Pyrazole-Based Ligands **1993**, 269-284
- 10 Isocyanides as Probes in Chemical Nitrogen Fixation **1984**, 98-98
- 9 Preparation and X-Ray Structure of mer-[Re(III)-S<sub>2</sub>PPh<sub>2</sub>](N<sub>2</sub>)(CNMe)(PMe<sub>2</sub>Ph)<sub>3</sub>], a Mixed Dinitrogen-Isocyanide Complex Stabilized by a Sulphur Ligand **1984**, 97-97
- 8 Noncovalent Interactions in N-Heterocyclic Chemistry **2020**, 767-787
- 7 Halogen Bonding in the Synthesis and Design of Coordination and Organometallic Compounds **2016**, 145-162
- 6 Back Cover: Water-Soluble C-Scorpionate Complexes [Catalytic and Biological Applications (Eur. J. Inorg. Chem. 15/16/2016). *European Journal of Inorganic Chemistry*, **2016**, 2016, 2660-2660 2,3
- 5 Alkane Carbonylation and Carbene Insertion Reactions **2018**, 371-426
- 4 Selective Oxidation of Alkanes by Metallo-Monooxygenases and Their Nanobiomimetics **2018**, 293-317
- 3 Alkane Oxidation with C-Scorpionate Metal Complexes **2018**, 113-123
- 2 Alkane Functionalization under Unconventional Conditions: in Ionic Liquid, in Supercritical CO<sub>2</sub>, and Microwave Assisted **2018**, 523-537
- 1 Noncovalent Interactions in Alkane Chemistry **2018**, 539-555