LuÃ-sa Mdrs Martins

List of Publications by Year
in descending order

424 papers	16,959 citations	13099 68 h-index	38395 95 g-index
456 all docs	456 docs citations	456 times ranked	9874 citing authors

#	Article	IF	Citations
1	Additions to Metal-Activated Organonitriles. Chemical Reviews, 2002, 102, 1771-1802.	47.7	701
2	Multinuclear Copper Triethanolamine Complexes as Selective Catalysts for the Peroxidative Oxidation of Alkanes under Mild Conditions. Angewandte Chemie - International Edition, 2005, 44, 4345-4349.	13.8	248
3	Vanadium complexes: Recent progress in oxidation catalysis. Coordination Chemistry Reviews, 2015, 301-302, 200-239.	18.8	220
4	Supramolecular Assemblies of Trinuclear Triangular Copper(II) Secondary Building Units through Hydrogen Bonds. Generation of Different Metalâ^'Organic Frameworks, Valuable Catalysts for Peroxidative Oxidation of Alkanes. Inorganic Chemistry, 2007, 46, 221-230.	4.0	188
5	Tuning of Redox Potentials for the Design of Ruthenium Anticancer Drugs â^' an Electrochemical Study of [trans-RuCl4L(DMSO)]-and [trans-RuCl4L2]-Complexes, where L = Imidazole, 1,2,4-Triazole, Indazole. Inorganic Chemistry, 2004, 43, 7083-7093.	4.0	159
6	Tris(pyrazol-1-yl)methane metal complexes for catalytic mild oxidative functionalizations of alkanes, alkenes and ketones. Coordination Chemistry Reviews, 2014, 265, 74-88.	18.8	153
7	Direct and Remarkably Efficient Conversion of Methane into Acetic Acid Catalyzed by Amavadine and Related Vanadium Complexes. A Synthetic and a Theoretical DFT Mechanistic Study. Journal of the American Chemical Society, 2007, 129, 10531-10545.	13.7	151
8	Catalytic Oxidation of Alcohols. Advances in Organometallic Chemistry, 2015, , 91-174.	1.0	142
9	Resonanceâ€Assisted Hydrogen Bonding as a Driving Force in Synthesis and a Synthon in the Design of Materials. Chemistry - A European Journal, 2016, 22, 16356-16398.	3.3	132
10	Halfâ€Sandwich Scorpionate Vanadium, Iron and Copper Complexes: Synthesis and Application in the Catalytic Peroxidative Oxidation of Cyclohexane under Mild Conditions. Advanced Synthesis and Catalysis, 2008, 350, 706-716.	4.3	131
11	Heterometallic Co^{III}₄Fe^{III}₂ Schiff Base Complex: Structure, Electron Paramagnetic Resonance, and Alkane Oxidation Catalytic Activity. Inorganic Chemistry, 2012, 51, 9110-9122.	4.0	126
12	Single-Pot Conversion of Methane into Acetic Acid in the Absence of CO and with Vanadium Catalysts Such as Amavadine. Angewandte Chemie - International Edition, 2003, 42, 821-823.	13.8	124
13	An Aqua-Soluble Copper(II)â^'Sodium Two-Dimensional Coordination Polymer with Intercalated Infinite Chains of Decameric Water Clusters. Crystal Growth and Design, 2006, 6, 2200-2203.	3.0	118
14	Zinc(II)/Ketoxime System as a Simple and Efficient Catalyst for Hydrolysis of Organonitriles. Inorganic Chemistry, 2002, 41, 4798-4804.	4.0	115
15	Self-Assembled Copper(II) Coordination Polymers Derived from Aminopolyalcohols and Benzenepolycarboxylates:â€‰ Structural and Magnetic Properties. Inorganic Chemistry, 2008, 47, 162-175.	4.0	113
16	Platinum(IV)-Assisted [2 + 3] Cycloaddition of Nitrones to Coordinated Organonitriles. Synthesis of Î”4-1,2,4-Oxadiazolines. Journal of the American Chemical Society, 2000, 122, 3106-3111.	13.7	110
17	An unprecedented heterotrimetallic Fe/Cu/Co core for mild and highly efficient catalytic oxidation of cycloalkanes by hydrogen peroxide. Chemical Communications, 2006, , 4605.	4.1	106
18	Mono-, di- and polynuclear copper(II) compounds derived from N-butyldiethanolamine: structural features, magnetism and catalytic activity for the mild peroxidative oxidation of cyclohexane. Dalton Transactions, 2009, , 2109.	3.3	105

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19	Diorganotin(IV) Derivatives of Substituted Benzohydroxamic Acids with High Antitumor Activity. Chemistry - A European Journal, 2004, 10, 1456-1462.	3.3	100
20	Novel Scorpionate and Pyrazole Dioxovanadium Complexes, Catalysts for Carboxylation and Peroxidative Oxidation of Alkanes. Advanced Synthesis and Catalysis, 2010, 352, 171-187.	4.3	100
21	Copper(II) coordination polymers derived from triethanolamine and pyromellitic acid for bioinspired mild peroxidative oxidation of cyclohexane. Journal of Inorganic Biochemistry, 2008, 102, 1190-1194.	3.5	98
22	Participation of Oligovanadates in Alkane Oxidation with H₂O₂Catalyzed by Vanadate Anion in Acidified Acetonitrile: Kinetic and DFT Studies. ACS Catalysis, 2011, 1, 1511-1520.	11.2	98
23	Radical Formation in the [MeReO₃]-Catalyzed Aqueous Peroxidative Oxidation of Alkanes: A Theoretical Mechanistic Study. Inorganic Chemistry, 2009, 48, 307-318.	4.0	97
24	Synthesis and characterization of copper(<scp>ii</scp>) 4â€²-phenyl-terpyridine compounds and catalytic application for aerobic oxidation of benzylic alcohols. Dalton Transactions, 2014, 43, 4048-4058.	3.3	97
25	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.	3.0	95
26	Metalâ€“Organic Frameworks with Pyridyl-Based Isophthalic Acid and Their Catalytic Applications in Microwave Assisted Peroxidative Oxidation of Alcohols and Henry Reaction. Crystal Growth and Design, 2016, 16, 1837-1849.	3.0	94
27	Carbon dioxide-to-methanol single-pot conversion using a C-scorpionate iron(<scp>ii</scp>) catalyst. Green Chemistry, 2017, 19, 4811-4815.	9.0	94
28	Amavadine as a catalyst for the peroxidative halogenation, hydroxylation and oxygenation of alkanes and benzene. Chemical Communications, 2000, , 1845-1846.	4.1	93
29	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 Suzukiâ^'Miyaura Reaction. Organometallics, 2009, 28, 6559-6566.	2.3	93
30	Gold nanoparticles supported on carbon materials for cyclohexane oxidation with hydrogen peroxide. Applied Catalysis A: General, 2013, 467, 279-290.	4.3	93
31	Selfâ€Assembled Twoâ€Dimensional Waterâ€Soluble Dipicolinate Cu/Na Coordination Polymer: Structural Features and Catalytic Activity for the Mild Peroxidative Oxidation of Cycloalkanes in Acidâ€Free Medium. European Journal of Inorganic Chemistry, 2008, 2008, 3423-3427.	2.0	92
32	[2 + 3] Cycloaddition of Nitrones to Platinum-Bound Organonitriles:â€‰ Effect of Metal Oxidation State and of Nitrile Substituent. Inorganic Chemistry, 2001, 40, 264-271.	4.0	91
33	Homogeneous and heterogenised new gold C-scorpionate complexes as catalysts for cyclohexane oxidation. Catalysis Science and Technology, 2013, 3, 3056.	4.1	91
34	Syntheses, Molecular Structures, Electrochemical Behavior, Theoretical Study, and Antitumor Activities of Organotin(IV) Complexes Containing 1-(4-Chlorophenyl)-1-cyclopentanecarboxylato Ligands. Inorganic Chemistry, 2011, 50, 8158-8167.	4.0	89
35	Ortho-Hydroxyphenylhydrazo-Î²-Diketones: Tautomery, Coordination Ability, and Catalytic Activity of Their Copper(II) Complexes toward Oxidation of Cyclohexane and Benzylic Alcohols. Inorganic Chemistry, 2011, 50, 918-931.	4.0	89
36	Solvent-Dependent Structural Variation of Zinc(II) Coordination Polymers and Their Catalytic Activity in the Knoevenagel Condensation Reaction. Crystal Growth and Design, 2015, 15, 4185-4197.	3.0	89

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37	New silver BioMOFs driven by 1,3,5-triaza-7-phosphaadamantane-7-sulfide (PTAî€S): synthesis, topological analysis and antimicrobial activity. CrystEngComm, 2013, 15, 8060.	2.6	88
38	Zinc metalâ€“organic frameworks: efficient catalysts for the diastereoselective Henry reaction and transesterification. Dalton Transactions, 2014, 43, 7795-7810.	3.3	88
39	New coordination polymers based on the triangular [Cu3(Î¼3-OH)(Î¼-pz)3]2+ unit and unsaturated carboxylates. Dalton Transactions, 2009, , 4928.	3.3	86
40	Alkanes to carboxylic acids in aqueous medium: metal-free and metal-promoted highly efficient and mild conversions. Chemical Communications, 2009, , 2353.	4.1	85
41	CuII 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. Dalton Transactions, 2009, , 9207.	3.3	85
42	Waterâ€Soluble Câ€Scorpionate Complexes â€“ Catalytic and Biological Applications. European Journal of Inorganic Chemistry, 2016, 2016, 2236-2252.	2.0	83
43	Application of Ionic Liquids in Electrochemistryâ€”Recent Advances. Molecules, 2020, 25, 5812.	3.8	83
44	Trinuclear Triangular Copper(II) Clusters â€“ Synthesis, Electrochemical Studies and Catalytic Peroxidative Oxidation of Cycloalkanes. European Journal of Inorganic Chemistry, 2009, 2009, 666-676.	2.0	81
45	Topologically Unique 2D Heterometallic Cu^{II}/Mg Coordination Polymer: Synthesis, Structural Features, and Catalytic Use in Alkane Hydrocarboxylation. Crystal Growth and Design, 2012, 12, 1069-1074.	3.0	81
46	Heterogenisation of a Câ€Scorpionate Fe^{II} Complex on Carbon Materials for Cyclohexane Oxidation with Hydrogen Peroxide. ChemCatChem, 2013, 5, 3847-3856.	3.7	80
47	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. Inorganic Chemistry, 2012, 51, 5224-5234.	4.0	79
48	Polynuclear diorganotin(IV) complexes with arylhydroxamates: Syntheses, structures and in vitro cytotoxic activities. Journal of Inorganic Biochemistry, 2008, 102, 901-909.	3.5	78
49	Tuning of Redox Properties for the Design of Ruthenium Anticancer Drugs:Â Part 2. Syntheses, Crystal Structures, and Electrochemistry of Potentially Antitumor [RuIII/IICl6-n(Azole)n]z(n= 3, 4, 6) Complexesâ€. Inorganic Chemistry, 2005, 44, 6704-6716.	4.0	77
50	Bringing an â€œOldâ€•Biological Buffer to Coordination Chemistry: New 1D and 3D Coordination Polymers with [Cu₄(Hbes)₄] Cores for Mild Hydrocarboxylation of Alkanes. Inorganic Chemistry, 2010, 49, 6390-6392.	4.0	77
51	Synthesis, Antimicrobial and Antiproliferative Activity of Novel Silver(I) Tris(pyrazolyl)methanesulfonate and 1,3,5-Triaza-7-phosphadamantane Complexes. Inorganic Chemistry, 2011, 50, 11173-11183.	4.0	77
52	Cobalt complexes bearing scorpionate ligands: synthesis, characterization, cytotoxicity and DNA cleavage. Dalton Transactions, 2012, 41, 12888.	3.3	76
53	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, 8601-8611.	4.0	76
54	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.	3.3	76

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55	Generation of HO^{â€¢} Radical from Hydrogen Peroxide Catalyzed by Aqua Complexes of the Group III Metals [M(H₂O)_n]³⁺ (M = Ga, In, Sc, Y, or La): A Theoretical Study. ACS Catalysis, 2013, 3, 1195-1208.	11.2	76
56	Recent Developments in Transition Metalâ€Catalyzed Crossâ€Dehydrogenative Coupling Reactions of Ethers and Thioethers. ChemCatChem, 2018, 10, 3354-3383.	3.7	76
57	A Hexanuclear Mixed-Valence Oxovanadium(IV,V) Complex as a Highly Efficient Alkane Oxidation Catalyst. Inorganic Chemistry, 2012, 51, 11229-11231.	4.0	75
58	An Efficient Synthesis of Phthalocyanines Based on an Unprecedented Double-Addition of Oximes to Phthalonitriles. Journal of the American Chemical Society, 2004, 126, 15040-15041.	13.7	74
59	Self-Assembled 3D Heterometallic Cu^{II}/Fe^{II} Coordination Polymers with Octahedral Net Skeletons: Structural Features, Molecular Magnetism, Thermal and Oxidation Catalytic Properties. Inorganic Chemistry, 2010, 49, 11096-11105.	4.0	74
60	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. Chemical Communications, 2010, 46, 2766.	4.1	74
61	A new binuclear oxovanadium(v) complex as a catalyst in combination with pyrazinecarboxylic acid (PCA) for efficient alkane oxygenation by H2O2. Dalton Transactions, 2013, 42, 11791.	3.3	73
62	Complexes of copper(ii) with 3-(ortho-substituted phenylhydrazo)pentane-2,4-diones: syntheses, properties and catalytic activity for cyclohexane oxidation. Dalton Transactions, 2011, 40, 2822.	3.3	72
63	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, 10158-10168.	4.0	71
64	Template Syntheses of Copper(II) Complexes from Arylhydrazones of Malononitrile and their Catalytic Activity towards Alcohol Oxidations and the Nitroaldol Reaction: Hydrogen Bondâ€Assisted Ligand Liberation and E/Z Isomerisation. Chemistry - A European Journal, 2013, 19, 588-600.	3.3	71
65	New Trends in the Conversion of CO2 to Cyclic Carbonates. Catalysts, 2020, 10, 479.	3.5	71
66	Azametallacycles from Ag(I)- or Cu(II)-Promoted Coupling Reactions of Dialkylcyanamides with Oximes at Pt(II). Inorganic Chemistry, 2001, 40, 1134-1142.	4.0	70
67	1,3,5-Triaza-7-phosphaadamantane-7-oxide (PTAâ•O): New Diamondoid Building Block for Design of Three-Dimensional Metalâ€“Organic Frameworks. Crystal Growth and Design, 2011, 11, 2711-2716.	3.0	70
68	Copperâ€“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, 9944-9954.	3.3	70
69	Coupling between 3-Iminoisoindolin-1-ones and Complexed Isonitriles as a Metal-Mediated Route to a Novel Type of Palladium and Platinum Iminocarbene Species. Organometallics, 2008, 27, 5379-5389.	2.3	69
70	Zinc(ii) ortho-hydroxyphenylhydrazo-Î²-diketonate complexes and their catalytic ability towards diastereoselective nitroaldol (Henry) reaction. Dalton Transactions, 2011, 40, 5352.	3.3	69
71	Poly(vinyl) chloride membrane copper-selective electrode based on 1-phenyl-2-(2-hydroxyphenylhydrazo)butane-1,3-dione. Journal of Hazardous Materials, 2011, 186, 1154-1162.	12.4	68
72	Identification of Hexameric Water and Hybrid Waterâ€“Chloride Clusters Intercalated in the Crystal Hosts of (Imidoylamidine)nickel(II) Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 4621-4627.	2.0	67

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73	Amavadin and Other Vanadium Complexes as Remarkably Efficient Catalysts for Oneâ€Pot Conversion of Ethane to Propionic and Acetic Acids. Chemistry - A European Journal, 2008, 14, 1828-1842.	3.3	67
74	Self-assembled dicopper(ii) diethanolaminate cores for mild aerobic and peroxidative oxidation of alcohols. Dalton Transactions, 2010, 39, 9879.	3.3	67
75	Oxidovanadium complexes with tridentate aroylhydrazone as catalyst precursors for solvent-free microwave-assisted oxidation of alcohols. Applied Catalysis A: General, 2015, 493, 50-57.	4.3	67
76	Engineering Coordination and Supramolecular Copperâ”Organic Networks by Aqueous Medium Self-Assembly with 1,3,5-Triaza-7-phosphaadamantane (PTA). Crystal Growth and Design, 2009, 9, 3006-3010.	3.0	66
77	Efficient cyclohexane oxidation with hydrogen peroxide catalysed by a C-scorpionate iron(II) complex immobilized on desilicated MOR zeolite. Applied Catalysis A: General, 2013, 464-465, 43-50.	4.3	66
78	Pyrazole or tris(pyrazolyl)ethanol oxo-vanadium(IV) complexes as homogeneous or supported catalysts for oxidation of cyclohexane under mild conditions. Journal of Molecular Catalysis A, 2013, 367, 52-60.	4.8	66
79	pH dependent synthesis of Zn(<scp>ii</scp>) and Cd(<scp>ii</scp>) coordination polymers with dicarboxyl-functionalized arylhydrazone of barbituric acid: photoluminescence properties and catalysts for Knoevenagel condensation. New Journal of Chemistry, 2016, 40, 1535-1546.	2.8	66
80	Recent advances on supramolecular isomerism in metal organic frameworks. CrystEngComm, 2017, 19, 4666-4695.	2.6	66
81	Pyrazole and trispyrazolylmethane rhenium complexes as catalysts for ethane and cyclohexane oxidations. Applied Catalysis A: General, 2007, 317, 43-52.	4.3	65
82	Novel Reactivity Mode of Metal Diaminocarbenes: Palladium(II)-Mediated Coupling between Acyclic Diaminocarbenes and Isonitriles Leading to Dinuclear Species. Organometallics, 2011, 30, 3362-3370.	2.3	65
83	Dinuclear Mn(ii,ii) complexes: magnetic properties and microwave assisted oxidation of alcohols. Dalton Transactions, 2014, 43, 3966.	3.3	65
84	Multifunctional gold-nanoparticles: A nanovectorization tool for the targeted delivery of novel chemotherapeutic agents. Journal of Controlled Release, 2017, 245, 52-61.	9.9	64
85	Mechanism of Al³⁺-Catalyzed Oxidations of Hydrocarbons: Dramatic Activation of H₂O₂ toward Oâ”O Homolysis in Complex [Al(H₂O)₄(OOH)(H₂O₂)]²⁺ Explains the Formation of HO^{â€¢} Radicals. Inorganic Chemistry, 2011, 50, 3996-4005.	4.0	63
86	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. European Journal of Inorganic Chemistry, 2011, 2011, 4175-4181.	2.0	63
87	Platinum(IV)-Mediated Nitrileâ”Sulfimide Coupling:Â A Route to Heterodiazadienes. Inorganic Chemistry, 2003, 42, 301-311.	4.0	62
88	The First Copper Complexes Bearing the 1,3,5-Triaza-7-phosphaadamantane (PTA) Ligand. European Journal of Inorganic Chemistry, 2007, 2007, 2686-2692.	2.0	62
89	Cyclic carbonate synthesis from CO2 and epoxides using zinc(II) complexes of Î²-diketones. Journal of Catalysis, 2016, 335, 135-140.	6.2	62
90	Platinum(iv)-mediated hydrolysis of nitriles giving metal-bound iminols. Dalton Transactions RSC, 2002, , 1882-1887.	2.3	61

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91	Characterization of Coordination Compounds by Electrochemical Parameters. European Journal of Inorganic Chemistry, 2007, 2007, 1473-1482.	2.0	61
92	Mild, Singleâ€Pot Hydrocarboxylation of Gaseous Alkanes to Carboxylic Acids in Metalâ€Free and Copperâ€Promoted Aqueous Systems. Chemistry - A European Journal, 2010, 16, 9485-9493.	3.3	61
93	Recent Advances in Cascade Reactions Initiated by Alcohol Oxidation. ChemCatChem, 2017, 9, 217-246.	3.7	61
94	Cyclohexane oxidation with dioxygen catalyzed by supported pyrazole rhenium complexes. Journal of Molecular Catalysis A, 2008, 285, 92-100.	4.8	60
95	Single-pot template transformations of cyanopyridines on a PdII centre: syntheses of ketoimine and 2,4-dipyridyl-1,3,5-triazapentadiene palladium(II) complexes and their catalytic activity for microwave-assisted Suzukiâ€“Miyaura and Heck reactions. Dalton Transactions, 2009, , 3074.	3.3	60
96	Synthesis, characterization, solid-state photo-luminescence and anti-tumor activity of zinc(II) 4â€²-phenyl-terpyridine compounds. Journal of Inorganic Biochemistry, 2010, 104, 704-711.	3.5	60
97	Microwave-assisted and solvent-free peroxidative oxidation of 1-phenylethanol to acetophenone with a CuIIâ€“TEMPO catalytic system. Catalysis Communications, 2014, 48, 69-72.	3.3	59
98	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.	6.2	59
99	Syntheses, Spectroscopy, and Redox Properties of Fluoroâ^'Carbyne and Derived Fluoroâ^'Vinylidene Complexes of Rhenium and of Analogous Chloro Complexes. Organometallics, 1997, 16, 4469-4478.	2.3	58
100	Pop-the-Cork Strategy in Synthetic Utilization of Imines:â€‰ Stabilization by Complexation and Activation via Liberation of the Ligated Species. Inorganic Chemistry, 2003, 42, 3602-3608.	4.0	58
101	Copper(II) Complexes with Schiff Bases Containing a Disiloxane Unit: Synthesis, Structure, Bonding Features and Catalytic Activity for Aerobic Oxidation of Benzyl Alcohol. European Journal of Inorganic Chemistry, 2013, 2013, 1458-1474.	2.0	58
102	Synthesis, structure and catalytic application of lead(<scp>ii</scp>) complexes in cyanosilylation reactions. Dalton Transactions, 2015, 44, 268-280.	3.3	58
103	An Infinite Two-Dimensional Hybrid Waterâ^'Chloride Network, Self-Assembled in a Hydrophobic Terpyridine Iron(II) Matrix. Crystal Growth and Design, 2008, 8, 782-785.	3.0	57
104	Metalâ€Mediated [2+3] Cycloaddition of Nitrones to Palladiumâ€Bound Isonitriles. Chemistry - A European Journal, 2009, 15, 5969-5978.	3.3	57
105	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. Inorganic Chemistry, 2011, 50, 4401-4411.	4.0	57
106	Novel Coordination Polymers with (Pyrazolato)-Based Tectons: Catalytic Activity in the Peroxidative Oxidation of Alcohols and Cyclohexane. Crystal Growth and Design, 2015, 15, 2303-2317.	3.0	57
107	Oxidation of olefins with H₂O₂ catalysed by salts of group III metals (Ga, In,) Tj ETQq1 1 0.784314 rgBT /Ov 1343-1356.	4.1	57
108	Areneruthenium(II) 4-Acyl-5-pyrazolonate Derivatives:â€‰ Coordination Chemistry, Redox Properties, and Reactivity. Inorganic Chemistry, 2007, 46, 8245-8257.	4.0	56

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109	Hydrogen bond assisted activation of a dinitrile towards nucleophilic attack. Chemical Communications, 2011, 47, 7248.	4.1	55
110	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.	3.3	55
111	Conversion of alkanenitriles to amidines and carboxylic acids mediated by a cobalt(II)â€“ketoxime system. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 1569-1573.	1.3	54
112	Novel Palladiumâ€“Aminocarbene Species Derived from Metal-Mediated Coupling of Isonitriles and 1,3-Diiminoisoindoline: Synthesis and Catalytic Application in Suzukiâ€“Miyaura Cross-Coupling. Organometallics, 2012, 31, 2379-2387.	2.3	54
113	Alkoxyâ€1,3,5â€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. Chemistry - A European Journal, 2012, 18, 899-914.	3.3	54
114	Trinuclear Cu^{II} Structural Isomers: Coordination, Magnetism, Electrochemistry and Catalytic Activity towards the Oxidation of Alkanes. European Journal of Inorganic Chemistry, 2015, 2015, 3959-3969.	2.0	54
115	Cooperative Metalâ€“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, 9946-9958.	4.0	53
116	A heterometallic (Fe₆Na₈) cage-like silsesquioxane: synthesis, structure, spin glass behavior and high catalytic activity. RSC Advances, 2016, 6, 48165-48180.	3.6	53
117	Synthesis, characterization, thermal properties and antiproliferative potential of copper(<scp>ii</scp>) 4â€²-phenyl-terpyridine compounds. Dalton Transactions, 2016, 45, 5339-5355.	3.3	52
118	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.	1.9	51
119	Trends in properties of paraâ€substituted 3â€(phenylhydrazo)pentaneâ€2,4â€diones. Journal of Physical Organic Chemistry, 2011, 24, 764-773.	1.9	51
120	Synthesis, characterization, photoluminescent and thermal properties of zinc(ii) 4â€²-phenyl-terpyridine compounds. New Journal of Chemistry, 2013, 37, 1529.	2.8	51
121	Oxorhenium Complexes Bearing the Water-Soluble Tris(pyrazol-1-yl)methanesulfonate, 1,3,5-Triaza-7-phosphaadamantane, or Related Ligands, as Catalysts for Baeyerâ€“Villiger Oxidation of Ketones. Inorganic Chemistry, 2013, 52, 4534-4546.	4.0	51
122	Catalytic oxidation of cyclohexane with hydrogen peroxide and a tetracopper(II) complex in an ionic liquid. Comptes Rendus Chimie, 2015, 18, 758-765.	0.5	51
123	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.	4.0	51
124	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.	1.8	50
125	Aquasoluble iron(III)-arylhydrazone-Î²-diketone complexes: Structure and catalytic activity for the peroxidative oxidation of C5â€“C8 cycloalkanes. Journal of Inorganic Biochemistry, 2012, 115, 72-77.	3.5	50
126	Sulfonated Schiff base dinuclear and polymeric copper(<scp>ii</scp>) complexes: crystal structures, magnetic properties and catalytic application in Henry reaction. New Journal of Chemistry, 2015, 39, 3424-3434.	2.8	50

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127	Iron(<scp>iii</scp>) and cobalt(<scp>iii</scp>) complexes with both tautomeric (keto and enol) forms of aroylhydrazone ligands: catalysts for the microwave assisted oxidation of alcohols. RSC Advances, 2016, 6, 8079-8088.	3.6	50
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