Armando J.L. Pombeiro

List of Publications by Year
in descending order

		6254	21540
850	31,437	80	114
papers	citations	h-index	g-index

942	942	942	15253
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Additions to Metal-Activated Organonitriles. Chemical Reviews, 2002, 102, 1771-1802.	47.7	701
2	Metal-mediated and metal-catalyzed hydrolysis of nitriles. Inorganica Chimica Acta, 2005, 358, 1-21.	2.4	391
3	Chalcogen bonding in synthesis, catalysis and design of materials. Dalton Transactions, 2017, 46, 10121-10138.	3.3	343
4	Oxime and oximate metal complexes: unconventional synthesis and reactivity. Coordination Chemistry Reviews, 1999, 181, 147-175.	18.8	251
5	Non-covalent interactions in the synthesis of coordination compounds: Recent advances. Coordination Chemistry Reviews, 2017, 345, 54-72.	18.8	250
6	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
7	Oxovanadium complexes in catalytic oxidations. Coordination Chemistry Reviews, 2011, 255, 2232-2248.	18.8	244
8	Vanadium complexes: Recent progress in oxidation catalysis. Coordination Chemistry Reviews, 2015, 301-302, 200-239.	18.8	220
9	Multicopper complexes and coordination polymers for mild oxidative functionalization of alkanes. Coordination Chemistry Reviews, 2012, 256, 2741-2759.	18.8	191
10	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
11	Metal-ion assisted reactions of oximes and reactivity of oxime-containing metal complexes. Coordination Chemistry Reviews, 1996, 156, 333-362.	18.8	186
12	Electron-transfer activated metal-based anticancer drugs. Inorganica Chimica Acta, 2008, 361, 1569-1583.	2.4	177
13	Mild Peroxidative Oxidation of Cyclohexane Catalyzed by Mono-, Di-, Tri-, Tetra- and Polynuclear Copper Triethanolamine Complexes. Advanced Synthesis and Catalysis, 2006, 348, 159-174.	4.3	164
14	Aminocarbene complexes derived from nucleophilic addition to isocyanide ligands. Coordination Chemistry Reviews, 2001, 218, 75-112.	18.8	163
15	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
16	Differentially Selective Chemosensor with Fluorescence Offâ€"On Responses on Cu²⁺ and Zn²⁺ Ions in Aqueous Media and Applications in Pyrophosphate Sensing, Live Cell Imaging, and Cytotoxicity. Inorganic Chemistry, 2014, 53, 6655-6664.	4.0	156
17	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
18	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

#	Article	IF	Citations
19	Mechanism of oxidations with H2O2 catalyzed by vanadate anion or oxovanadium(V) triethanolaminate (vanadatrane) in combination with pyrazine-2-carboxylic acid (PCA): Kinetic and DFT studies. Journal of Catalysis, 2009, 267, 140-157.	6.2	150
20	Catalytic Oxidation of Alcohols. Advances in Organometallic Chemistry, 2015, , 91-174.	1.0	142
21	Barbituric acids as a useful tool for the construction of coordination and supramolecular compounds. Coordination Chemistry Reviews, 2014, 265, 1-37.	18.8	140
22	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
23	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
24	Remarkably fast oxidation of alkanes by hydrogen peroxide catalyzed by a tetracopper(II) triethanolaminate complex: Promoting effects of acid co-catalysts and water, kinetic and mechanistic features. Journal of Catalysis, 2009, 268, 26-38.	6.2	131
25	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
26	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
27	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
28	Zinc(II)/Ketoxime System as a Simple and Efficient Catalyst for Hydrolysis of Organonitriles. Inorganic Chemistry, 2002, 41, 4798-4804.	4.0	115
29	Electron-donor/acceptor properties of carbynes, carbenes, vinylidenes, allenylidenes and alkynyls as measured by electrochemical ligand parameters. Journal of Organometallic Chemistry, 2005, 690, 6021-6040.	1.8	115
30	Homo- and heterometallic polynuclear transition metal catalysts for alkane C H bonds oxidative functionalization: Recent advances. Coordination Chemistry Reviews, 2018, 355, 199-222.	18.8	115
31	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
32	Coordination chemistry of thiazoles, isothiazoles and thiadiazoles. Coordination Chemistry Reviews, 2016, 308, 32-55.	18.8	113
33	Aminocarbene complexes derived from nucleophilic addition to isocyanide ligands. Coordination Chemistry Reviews, 2001, 218, 75-112.	18.8	112
34	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
35	Pnictogen bonding in coordination chemistry. Coordination Chemistry Reviews, 2020, 418, 213381.	18.8	110
36	Recent advances in organocatalytic enantioselective transfer hydrogenation. Organic and Biomolecular Chemistry, 2017, 15, 2307-2340.	2.8	107

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37	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
38	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
39	Diorganotin(IV) Derivatives of Substituted Benzohydroxamic Acids with High Antitumor Activity. Chemistry - A European Journal, 2004, 10, 1456-1462.	3.3	100
40	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
41	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, 5886-5894.	4.0	100
42	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
43	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
44	Radical Formation in the [MeReO₃]-Catalyzed Aqueous Peroxidative Oxidation of Alkanes: A Theoretical Mechanistic Study. Inorganic Chemistry, 2009, 48, 307-318.	4.0	97
45	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
46	Coordination chemistry of arylhydrazones of methylene active compounds. Coordination Chemistry Reviews, 2013, 257, 1244-1281.	18.8	96
47	Aminocarbyne complexes derived from isocyanides activated towards electrophilic addition. Coordination Chemistry Reviews, 2001, 218, 43-74.	18.8	96
48	Iminoacylation. 1. Addition of Ketoximes or Aldoximes to Platinum(IV)-Bound Organonitriles. Inorganic Chemistry, 1998, 37, 6511-6517.	4.0	95
49	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
50	Bioactive Silverâ€“Organic Networks Assembled from 1,3,5-Triaza-7-phosphaadamantane and Flexible Cyclohexanecarboxylate Blocks. Inorganic Chemistry, 2016, 55, 1486-1496.	4.0	95
51	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, 6024-6031.	4.0	94
52	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
53	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
54	Amavadine as a catalyst for the peroxidative halogenation, hydroxylation and oxygenation of alkanes and benzene. Chemical Communications, 2000, , 1845-1846.	4.1	93

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55	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
56	Gold nanoparticles supported on carbon materials for cyclohexane oxidation with hydrogen peroxide. Applied Catalysis A: General, 2013, 467, 279-290.	4.3	93
57	Single-Pot Ethane Carboxylation Catalyzed by New Oxorhenium(V) Complexes with N,O Ligands. Advanced Synthesis and Catalysis, 2005, 347, 1435-1446.	4.3	92
58	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
59	[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
60	3D hydrogen bonded heteronuclear CoII, NiII, CuII and ZnII aqua complexes derived from dipicolinic acid. Inorganica Chimica Acta, 2007, 360, 506-512.	2.4	91
61	Homogeneous and heterogenised new gold C-scorpionate complexes as catalysts for cyclohexane oxidation. Catalysis Science and Technology, 2013, 3, 3056.	4.1	91
62	Reactions of alkynes, isocyanides and cyanides at dinitrogen-binding transition metal centres. Coordination Chemistry Reviews, 1990, 104, 13-38.	18.8	90
63	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
64	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
65	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
66	Group 5â€“7 transition metal oxides as efficient catalysts for oxidative functionalization of alkanes under mild conditions. Journal of Catalysis, 2007, 248, 130-136.	6.2	88
67	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
68	Zinc metalâ€“organic frameworks: efficient catalysts for the diastereoselective Henry reaction and transesterification. Dalton Transactions, 2014, 43, 7795-7810.	3.3	88
69	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
70	Alkanes to carboxylic acids in aqueous medium: metal-free and metal-promoted highly efficient and mild conversions. Chemical Communications, 2009, , 2353.	4.1	85
71	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
72	Mild homogeneous oxidation of alkanes and alcohols including glycerol with tert-butyl hydroperoxide catalyzed by a tetracopper(II) complex. Journal of Catalysis, 2010, 272, 9-17.	6.2	85

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73	A Route to 1,2,4-Oxadiazoles and Their Complexes via Platinum-Mediated 1,3-Dipolar Cycloaddition of Nitrile Oxides to Organonitriles. Inorganic Chemistry, 2003, 42, 896-903.	4.0	84
74	Mild aerobic oxidation of benzyl alcohols to benzaldehydes in water catalyzed by aqua-soluble multicopper(II) triethanolaminate compounds. Journal of Molecular Catalysis A, 2009, 305, 178-182.	4.8	84
75	Coordination chemistry of non-oxido, oxido and dioxidovanadium(IV/V) complexes with azine fragment ligands. Coordination Chemistry Reviews, 2014, 265, 89-124.	18.8	84
76	Electron-transfer induced isomerizations of coordination compounds. Coordination Chemistry Reviews, 2001, 219-221, 53-80.	18.8	83
77	Facile Ni(II)/Ketoxime-Mediated Conversion of Organonitriles into Imidoylamidine Ligands. Synthesis of Imidoylamidines and Acetyl Amides. Inorganic Chemistry, 2003, 42, 7239-7248.	4.0	83
78	Waterâ€Soluble Câ€Scorpionate Complexes â€“ Catalytic and Biological Applications. European Journal of Inorganic Chemistry, 2016, 2016, 2236-2252.	2.0	83
79	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
80	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
81	Iminoacylation. 3. Formation of Platinum(IV)-Based Metallaligands Due to Facile One-End Addition ofvic-Dioximes to Coordinated Organonitriles1-3. Inorganic Chemistry, 2000, 39, 216-225.	4.0	80
82	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
83	Recent advances in amide functionalized metal organic frameworks for heterogeneous catalytic applications. Coordination Chemistry Reviews, 2019, 395, 86-129.	18.8	80
84	New copper(II) dimer with 3-(2-hydroxy-4-nitrophenylhydrazo)pentane-2,4-dione and its catalytic activity in cyclohexane and benzyl alcohol oxidations. Journal of Molecular Catalysis A, 2010, 318, 44-50.	4.8	79
85	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
86	Polynuclear diorganotin(IV) complexes with arylhydroxamates: Syntheses, structures and in vitro cytotoxic activities. Journal of Inorganic Biochemistry, 2008, 102, 901-909.	3.5	78
87	Redox potential and substituent effects at ferrocene derivatives. Estimates of Hammett Ïƒp and Taft polar Ïƒ substituent constants. Journal of Organometallic Chemistry, 1991, 421, 75-90.	1.8	77
88	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
89	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
90	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

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91	Alkane oxidation by the H2O2â€“NaVO3â€“H2SO4 system in acetonitrile and water. Tetrahedron, 2009, 65, 2424-2429.	1.9	76
92	Cobalt complexes bearing scorpionate ligands: synthesis, characterization, cytotoxicity and DNA cleavage. Dalton Transactions, 2012, 41, 12888.	3.3	76
93	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
94	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
95	Amavadin, a vanadium natural complex: Its role and applications. Coordination Chemistry Reviews, 2013, 257, 2388-2400.	18.8	76
96	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
97	Recent Developments in Transition Metalâ€Catalyzed Crossâ€Dehydrogenative Coupling Reactions of Ethers and Thioethers. ChemCatChem, 2018, 10, 3354-3383.	3.7	76
98	A Hexanuclear Mixed-Valence Oxovanadium(IV,V) Complex as a Highly Efficient Alkane Oxidation Catalyst. Inorganic Chemistry, 2012, 51, 11229-11231.	4.0	75
99	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
100	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
101	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
102	Mild alkane Câ€“H and Oâ€“H oxidations catalysed by mixed-N,S copper, iron and vanadium systems. Applied Catalysis A: General, 2011, 402, 110-120.	4.3	73
103	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
104	Aminocarbyne complexes derived from isocyanides activated towards electrophilic addition. Coordination Chemistry Reviews, 2001, 218, 43-74.	18.8	72
105	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.	4.3	72
106	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
107	Mild oxidative functionalization of alkanes and alcohols catalyzed by new mono- and dicopper(II) aminopolyalcoholates. Journal of Molecular Catalysis A, 2011, 350, 26-34.	4.8	72
108	Redox potential and substituent effects in ferrocene derivatives: II. Journal of Organometallic Chemistry, 1994, 480, 81-90.	1.8	71

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109	Syntheses, Structure, and Reactivity of Chiral Titanium Compounds: Procatalysts for Olefin Polymerization. Chemistry - A European Journal, 2001, 7, 951-958.	3.3	71
110	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
111	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
112	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
113	Multicopper(II) Pyromellitate Compounds: Self-Assembly Synthesis, Structural Topologies, and Magnetic Features. Crystal Growth and Design, 2008, 8, 4100-4108.	3.0	70
114	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
115	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
116	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
117	Zinc(ii) ortho-hydroxyphenylhydrazo-Î²-diketonate complexes and their catalytic ability towards diastereoselective nitroaldol (Henry) reaction. Dalton Transactions, 2011, 40, 5352.	3.3	69
118	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
119	Intracellular detection of Cu²⁺and S^{2â^'}ions through a quinazoline functionalized benzimidazole-based new fluorogenic differential chemosensor. Dalton Transactions, 2015, 44, 16953-16964.	3.3	68
120	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
121	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
122	Self-assembled dicopper(ii) diethanolaminate cores for mild aerobic and peroxidative oxidation of alcohols. Dalton Transactions, 2010, 39, 9879.	3.3	67
123	Homogeneous Multicopper Catalysts for Oxidation and Hydrocarboxylation of Alkanes. Advances in Inorganic Chemistry, 2013, , 1-31.	1.0	67
124	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
125	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
126	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

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127	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
128	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
129	Recent advances on supramolecular isomerism in metal organic frameworks. CrystEngComm, 2017, 19, 4666-4695.	2.6	66
130	Effect of Phenolic Compounds on the Synthesis of Gold Nanoparticles and its Catalytic Activity in the Reduction of Nitro Compounds. Nanomaterials, 2018, 8, 320.	4.1	66
131	Reduction of (imine)Pt(IV) to (imine)Pt(II) Complexes with Carbonyl-Stabilized Phosphorus Ylides. Inorganic Chemistry, 2001, 40, 1683-1689.	4.0	65
132	Pyrazole and trispyrazolylmethane rhenium complexes as catalysts for ethane and cyclohexane oxidations. Applied Catalysis A: General, 2007, 317, 43-52.	4.3	65
133	3D hydrogen bonded metal-organic frameworks constructed from [M(H2O)6][Mâ€²(dipicolinate)2]Â·mH2O (M/Mâ€²= Zn/Ni or Ni/Ni). Identification of intercalated acyclic (H2O)6/(H2O)10 clusters. Inorganica Chimica Acta, 2008, 361, 1728-1737.	2.4	65
134	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
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