Carole Duboc

List of Publications by Year
in descending order

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145	6,377	57752	82542
papers	citations	44 h-index	72 g-index

159	159	159	7606
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lithium/Sulfur Cell Discharge Mechanism: An Original Approach for Intermediate Species Identification. Analytical Chemistry, 2012, 84, 3973-3980.	6.5	832
2	Nickel-centred proton reduction catalysis in a model of [NiFe] hydrogenase. Nature Chemistry, 2016, 8, 1054-1060.	13.6	200
3	Artificial Metalloenzyme for Enantioselective Sulfoxidation Based on Vanadyl-Loaded Streptavidin. Journal of the American Chemical Society, 2008, 130, 8085-8088.	13.7	145
4	Systematic Theoretical Study of the Zero-Field Splitting in Coordination Complexes of Mn(III). Density Functional Theory versus Multireference Wave Function Approaches. Journal of Physical Chemistry A, 2010, 114, 10750-10758.	2.5	129
5	Copper Chemistry of Î²-Diketiminate Ligands:Â Monomer/Dimer Equilibria and a New Class of Bis(Î¼-oxo)dicopper Compounds. Inorganic Chemistry, 2002, 41, 6307-6321.	4.0	127
6	A Systematic Density Functional Study of the Zero-Field Splitting in Mn(II) Coordination Compounds. Inorganic Chemistry, 2008, 47, 134-142.	4.0	121
7	Pulsedâ€EPR Evidence of a Manganese(II) Hydroxycarbonyl Intermediate in the Electrocatalytic Reduction of Carbon Dioxide by a Manganese Bipyridyl Derivative. Angewandte Chemie - International Edition, 2014, 53, 240-243.	13.8	121
8	Manganese KÎ² X-ray Emission Spectroscopy As a Probe of Metalâ€“Ligand Interactions. Inorganic Chemistry, 2011, 50, 8397-8409.	4.0	118
9	Structural and Magnetic Properties of MnIII and CuII Tetranuclear Azido Polyoxometalate Complexes: Multifrequency High-Field EPR Spectroscopy of Cu4 Clusters withS=1 andS=2 Ground States. Chemistry - A European Journal, 2006, 12, 1950-1959.	3.3	115
10	Origin of the Zero-Field Splitting in Mononuclear Octahedral Dihalide MnIIComplexes:Â An Investigation by Multifrequency High-Field Electron Paramagnetic Resonance and Density Functional Theory. Inorganic Chemistry, 2007, 46, 4905-4916.	4.0	113
11	Manganese K-Edge X-Ray Absorption Spectroscopy as a Probe of the Metalâ€“Ligand Interactions in Coordination Compounds. Inorganic Chemistry, 2012, 51, 680-687.	4.0	105
12	Functional models of non-heme diiron enzymes. Coordination Chemistry Reviews, 1998, 178-180, 1555-1572.	18.8	100
13	Intramolecularly hydrogen-bonded versus copper(ii) coordinated mono- and bis-phenoxyl radicals. Dalton Transactions, 2004, , 2662-2669.	3.3	98
14	A High-Frequency and High-Field EPR Study of New Azide and Fluoride Mononuclear Mn(III) Complexes. Journal of the American Chemical Society, 2003, 125, 12337-12344.	13.7	85
15	Molecular Catalysts for N₂ Reduction: State of the Art, Mechanism, and Challenges. ChemPhysChem, 2017, 18, 2606-2617.	2.1	83
16	Structural Characterization and Electronic Properties Determination by High-Field and High-Frequency EPR of a Series of Five-Coordinated Mn(II) Complexes. Inorganic Chemistry, 2004, 43, 6455-6463.	4.0	82
17	Determination and prediction of the magnetic anisotropy of Mn ions. Chemical Society Reviews, 2016, 45, 5834-5847.	38.1	78
18	Enantioselective Sulfoxidation as a Probe for a Metal-Based Mechanism in H2O2-Dependent Oxidations Catalyzed by a Diiron Complex. Inorganic Chemistry, 1999, 38, 1261-1268.	4.0	76

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19	High-Frequency EPR Study of a New Mononuclear Manganese(III) Complex:Â [(terpy)Mn(N3)3] (terpy =) Tj ETQq1 1 0.784314 rgBT /O	4.0	74
20	Polyoxometalates Functionalized by Bisphosphonate Ligands: Synthesis, Structural, Magnetic, and Spectroscopic Characterizations and Activity on Tumor Cell Lines. Inorganic Chemistry, 2012, 51, 7921-7931.	4.0	74
21	Synergy between metals for small molecule activation: Enzymes and bio-inspired complexes. Coordination Chemistry Reviews, 2021, 428, 213606.	18.8	74
22	Î¼-Oxo diferric complexes as oxidation catalysts with hydrogen peroxide and their potential in asymmetric oxidation. Tetrahedron Letters, 1997, 38, 3727-3730.	1.4	72
23	Understanding the Zero-Field Splitting of Mononuclear Manganese(II) Complexes from Combined EPR Spectroscopy and Quantum Chemistry. Applied Magnetic Resonance, 2010, 37, 229-245.	1.2	69
24	Sulfonium Polyoxometalates: A New Class of Solid-State Photochromic Hybrid Organicâ€“Inorganic Materials. Inorganic Chemistry, 2013, 52, 555-557.	4.0	65
25	Very High-Field EPR Study of Glycyl Radical Enzymes. Journal of the American Chemical Society, 2003, 125, 38-39.	13.7	63
26	Definition of Magnetoâ€Structural Correlations for the Mn^{II} Ion. Chemistry - A European Journal, 2008, 14, 6498-6509.	3.3	63
27	An Unusual Stable Mononuclear Mn^{III} Bisâ€terpyridine Complex Exhibiting Jahnâ€“Teller Compression: Electrochemical Synthesis, Physical Characterisation and Theoretical Study. Chemistry - A European Journal, 2009, 15, 980-988.	3.3	63
28	Structure of a (Î¼-Oxo)(dihydroxo)diiron(III) Complex and Its Reactivity toward Phosphodiesters. Inorganic Chemistry, 1997, 36, 6148-6149.	4.0	62
29	Multifrequency EPR Study and Density Functional g-Tensor Calculations of Persistent Organorhenium Radical Complexes. Journal of the American Chemical Society, 2002, 124, 10563-10571.	13.7	60
30	Structural, Magnetic, EPR, and Electrochemical Characterizations of a Spin-Frustrated Trinuclear Cr^{III}Polyoxometalate and Study of Its Reactivity with Lanthanum Cations. Inorganic Chemistry, 2010, 49, 2851-2858.	4.0	60
31	A series of metal complexes with the non-innocent N,Nâ€²-bis(pentafluorophenyl)-o-phenylenediamido ligand: twisted geometry for tuning the electronic structure. Dalton Transactions, 2008, , 1355.	3.3	58
32	How Single and Bifurcated Hydrogen Bonds Influence Proton-Migration Rate Constants, Redox, and Electronic Properties of Phenoxyl Radicals. Angewandte Chemie - International Edition, 2004, 43, 594-597.	13.8	57
33	Dioxygen Activation and Catalytic Reduction to Hydrogen Peroxide by a Thiolate-Bridged Dimanganese(II) Complex with a Pendant Thiol. Journal of the American Chemical Society, 2015, 137, 8644-8653.	13.7	56
34	Copper(<scp>i</scp>)-photocatalyzed trifluoromethylation of alkenes. Chemical Communications, 2015, 51, 9571-9574.	4.1	56
35	A Non-Heme Diiron Complex for (Electro)catalytic Reduction of Dioxygen: Tuning the Selectivity through Electron Delivery. Journal of the American Chemical Society, 2019, 141, 8244-8253.	13.7	56
36	An Oddâ€Electron Complex [Ru^k(NO^m)(Qⁿ)(terpy)]²⁺ with Two Prototypical Nonâ€Innocent Ligands. Angewandte Chemie - International Edition, 2009, 48, 4242-4245.	13.8	53

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37	Trinuclear Terpyridine Frustrated Spin System with a Mn^{IV}₃O₄ Core: Synthesis, Physical Characterization, and Quantum Chemical Modeling of Its Magnetic Properties. Inorganic Chemistry, 2009, 48, 10281-10288.	4.0	53
38	H₂O₂ Oxidation by Fe^{III}â€“OOH Intermediates and Its Effect on Catalytic Efficiency. ACS Catalysis, 2018, 8, 9665-9674.	11.2	53
39	Molecule-Bridged Mixed-Valent Intermediates Involving the RuIOxidation State. Journal of the American Chemical Society, 2004, 126, 14706-14707.	13.7	48
40	New Linear High-Valent Tetranuclear Manganese-Oxo Cluster Relevant to the Oxygen-Evolving Complex of Photosystem II with Oxo, Hydroxo, and Aqua Coordinated to a Single Mn(IV). Inorganic Chemistry, 2005, 44, 9567-9573.	4.0	48
41	A Fully Delocalized Mixedâ€Valence Bisâ€Î¼(Thiolato) Dicopper Complex: A Structural and Functional Model of the Biological Cu_A Center. Angewandte Chemie - International Edition, 2011, 50, 5662-5666.	13.8	48
42	Tuning Reactivity of Bioinspired [NiFe]-Hydrogenase Models by Ligand Design and Modeling the CO Inhibition Process. ACS Catalysis, 2018, 8, 10658-10667.	11.2	47
43	The Redox Series [M(bpy)2(Q)]n+, M = Ru or Os, Q = 3,5-Di-tert-butyl-N-phenyl-1,2-benzoquinonemonoimine. Isolation and a Complete X and W Band EPR Study of the Semiquinone States (n = 1). Inorganic Chemistry, 2005, 44, 2843-2847.	4.0	46
44	Hydrogen Evolution from Aqueous Solutions Mediated by a Heterogenized [NiFe]â€Hydrogenase Model: Low pH Enables Catalysis through an Enzymeâ€Relevant Mechanism. Angewandte Chemie - International Edition, 2018, 57, 16001-16004.	13.8	45
45	Reversible Apical Coordination of Imidazole between the Ni(III) and Ni(II) Oxidation States of a Dithiolate Complex: A Process Related to the Ni Superoxide Dismutase. Inorganic Chemistry, 2010, 49, 6399-6401.	4.0	43
46	Multireversible Redox Processes in Pentanuclear Bis(Triple-Helical) Manganese Complexes Featuring an Oxo-Centered triangular {Mn^{II}₂Mn^{III}(Î¼₃-O)}⁵⁺or {Mn^{II}Mn^{III}₂(Î¼₃-O)}⁶⁺Core Wrapped by Two {Mn^{II}₂(bpp)₃}^{â^'}. Inorganic Chemistry, 2011, 50, 8427-8436.	4.0	43
47	Room Temperature Magnetic Switchability Assisted by Hysteretic Valence Tautomerism in a Layered Two-Dimensional Manganese-Radical Coordination Framework. Journal of the American Chemical Society, 2016, 138, 16493-16501.	13.7	43
48	An Unprecedented Bridging Phenoxyl Radical in Dicopper(II) Complexes: Evidence for anS=3/2 Spin State. Angewandte Chemie - International Edition, 2005, 44, 438-441.	13.8	41
49	Repurposing a Bio-Inspired NiFe Hydrogenase Model for CO₂ Reduction with Selective Production of Methane as the Unique C-Based Product. ACS Energy Letters, 2020, 5, 3837-3842.	17.4	41
50	Soluble Heterometallic Coordination Polymers Based on a Bis-terpyridine-Functionalized Dioxocyclam Ligand. Inorganic Chemistry, 2010, 49, 2592-2599.	4.0	40
51	Oxidative Perhydroxylation of [closoâ€B₁₂H₁₂]^{2â^'} to the Stable Inorganic Cluster Redox System [B₁₂(OH)₁₂]^{2â^'/.â^'}: Experiment and Theory. Chemistry - A European Journal, 2010, 16, 11242-11245.	3.3	39
52	Ca K-Edge XAS as a Probe of Calcium Centers in Complex Systems. Inorganic Chemistry, 2015, 54, 1283-1292.	4.0	39
53	The Highest D Value for a MnII Ion:â€‰ Investigation of a Manganese(II) Polyoxometalate Complex by High-Field Electron Paramagnetic Resonance. Inorganic Chemistry, 2007, 46, 7710-7712.	4.0	38
54	Hydroxylation of alkanes catalysed by a chiral Î¼-oxo diferric complex: a metal-based mechanism. Journal of Molecular Catalysis A, 2000, 156, 85-89.	4.8	37

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55	Mononuclear Mn^{III} and Mn^{IV} Bis-terpyridine Complexes: Electrochemical Formation and Spectroscopic Characterizations. Inorganic Chemistry, 2009, 48, 3125-3131.	4.0	37
56	Origin of the Zero-Field Splitting in Mononuclear Octahedral Mn^{IV} Complexes: A Combined Experimental and Theoretical Investigation. Inorganic Chemistry, 2016, 55, 1192-1201.	4.0	37
57	What a Difference Ancillary Thienyl Makes:Â Unexpected Additional Stabilization of the Diruthenium(III,II) but Not the Diosmium(III,II) Mixed-Valent State in Tetrazine Ligand-Bridged Complexes. Inorganic Chemistry, 2003, 42, 6172-6174.	4.0	36
58	Bio-inspired, Multifunctional Metalâ€“Thiolate Motif: From Electron Transfer to Sulfur Reactivity and Small-Molecule Activation. Accounts of Chemical Research, 2020, 53, 2753-2761.	15.6	36
59	A multifrequency high-field EPR (9â€“285GHz) investigation of a series of dichloride mononuclear penta-coordinated Mn(II) complexes. Inorganica Chimica Acta, 2006, 359, 1541-1548.	2.4	34
60	A Bioâ€Inspired Switch Based on Cobalt(II) Disulfide/Cobalt(III) Thiolate Interconversion. Angewandte Chemie - International Edition, 2014, 53, 5318-5321.	13.8	34
61	Heterogeneous and homogeneous asymmetric electrocatalytic hydrogenation with rhodium(III) complexes containing chiral polypyridyl ligands. New Journal of Chemistry, 1999, 23, 939-944.	2.8	33
62	Electron delocalisation in a trinuclear copper(ii) complex: high-field EPR characterization and magnetic properties of Na3[Cu3(mal)3(H2O)]Â·8H2O. Dalton Transactions, 2005, , 3795.	3.3	33
63	Influence of Mixed Thiolate/Thioether versus Dithiolate Coordination on the Accessibility of the Uncommon +I and +III Oxidation States for the Nickel Ion: An Experimental and Computational Study. Inorganic Chemistry, 2011, 50, 3707-3716.	4.0	33
64	Trapping of superoxido cobalt and peroxido dicobalt species formed reversibly from Co^{II} and O₂. Chemical Communications, 2017, 53, 11782-11785.	4.1	33
65	Syntheses, X-ray Structures, Solid State High-Field Electron Paramagnetic Resonance, and Density-Functional Theory Investigations on Chloro and Aqua MnII Mononuclear Complexes with Amino-Pyridine Pentadentate Ligands. Inorganic Chemistry, 2008, 47, 9238-9247.	4.0	31
66	Heterohexanuclear (Cu₃Fe₃) Complexes of Substituted Hexaazatrinaphthylene (HATN) Ligands: Twofold BF₄^{â^’} Association in the Solid and Stepwise Oxidation (3e) or Reduction (2e) to Spectroelectrochemically Characterized Species. Chemistry - A European Journal, 2009, 15, 6932-6939.	3.3	31
67	Multifrequency high-field EPR investigation of a mononuclear manganese(iv) complex. Chemical Communications, 2009, , 2715.	4.1	31
68	Biophysical and physiological characterization of ZraP from Escherichia coli, the periplasmic accessory protein of the atypical ZraSR two-component system. Biochemical Journal, 2015, 472, 205-216.	3.7	31
69	Divalent Thulium Crown Ether Complexes with Field-Induced Slow Magnetic Relaxation. Inorganic Chemistry, 2019, 58, 2872-2880.	4.0	30
70	First crystal structure determination and high-frequency EPR study of an organoarsanecopper radical complex. Inorganic Chemistry Communication, 2003, 6, 1196-1200.	3.9	29
71	A Highâ€Valent Nonâ€Heme Î¼â€Oxo Manganese(IV) Dimer Generated from a Thiolateâ€Bound Manganese(II) Complex and Dioxygen. Angewandte Chemie - International Edition, 2017, 56, 8211-8215.	13.8	29
72	Investigation of the Zeroâ€Field Splitting in Sixâ€and Sevenâ€Coordinate Mononuclear Mn^{II} Complexes with N/Oâ€Based Ligands by Combining EPR Spectroscopy and Quantum Chemistry. European Journal of Inorganic Chemistry, 2010, 2010, 3658-3665.	2.0	28

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73	Heterogenization of a [NiFe] Hydrogenase Mimic through Simple and Efficient Encapsulation into a Mesoporous MOF. Inorganic Chemistry, 2017, 56, 14801-14808.	4.0	28
74	Sunlightâ€Driven Copperâ€Catalyst Activation Applied to Photolatent Click Chemistry. Chemistry - A European Journal, 2014, 20, 13181-13187.	3.3	27
75	Multistep redox sequences of azopyridyl (L) bridged reaction centres in stable radical complex ions {(Î¼-L)[MCl(Î·5-C5Me5)]2}Ë™+, M = Rh or Ir: spectroelectrochemistry and high-frequency EPR spectroscopy. Dalton Transactions, 2003, , 3370-3375.	3.3	26
76	High-Spin Chloro Mononuclear MnIIIComplexes: A Multifrequency High-Field EPR Study. ChemPhysChem, 2005, 6, 541-546.	2.1	26
77	Multifrequency EPR and Redox Reactivity Investigations of a Bis(Î¼-thiolato)-dicopper(II,II) Complex. Inorganic Chemistry, 2006, 45, 10355-10362.	4.0	26
78	How Accurately Can Extended X-ray Absorption Spectra Be Predicted from First Principles? Implications for Modeling the Oxygen-Evolving Complex in Photosystem II. Journal of the American Chemical Society, 2015, 137, 12815-12834.	13.7	26
79	Azo compounds as electron acceptor or radical ligands in transition metal species: spectroelectrochemistry and high-field EPR studies of ruthenium, rhodium and copper complexes of 2,2â€²-azobis(5-chloropyrimidine). Journal of Molecular Structure, 2003, 656, 183-194.	3.6	25
80	Investigation of a Neat versus Magnetically Diluted Powdered Mononuclear MnII Complex by High-Field and High-Frequency EPR Spectroscopy. European Journal of Inorganic Chemistry, 2004, 2004, 3880-3886.	2.0	25
81	Mixed-valent and radical states of complexes [(bpy)2M(Î¼-abpy)Mâ€²(bpy)2]n+, M,Mâ€²=Ru or Os, abpy=2,2â€²-azobispyridine: Electron transfer vs. hole transfer mechanism in azo ligand-bridged complexes. Inorganica Chimica Acta, 2006, 359, 821-829.	2.4	25
82	A Diferric Peroxo Complex with an Unprecedented Spin Configuration: AnS=2 System Arising from anS=5/2, 1/2 Pair. Angewandte Chemie - International Edition, 2002, 41, 617-620.	13.8	24
83	Evidence for the dimer-of-(mixed-valent dimers) configuration in tetranuclear {(Î¼4-TCNX)[Ru(NH3)5]4}8+, TCNXÂ=ÂTCNE and TCNQ, from DFT calculations. Monatshefte FÃ¼r Chemie, 2009, 140, 765-773.	1.8	24
84	Vanadium Thiolate Complexes for Efficient and Selective Sulfoxidation Catalysis: A Mechanistic Investigation. Inorganic Chemistry, 2013, 52, 13424-13431.	4.0	24
85	Divalent Thulium Triflate: A Structural and Spectroscopic Study. Angewandte Chemie - International Edition, 2017, 56, 4266-4271.	13.8	24
86	Dramatic Solid-State Humidity-Induced Modification of the Magnetic Coupling in a Dimeric Fluorous Copper(II)â^'Carboxylate Complex. Inorganic Chemistry, 2009, 48, 5623-5625.	4.0	23
87	Photoredox Catalysis at Copper(II) on Chitosan: Application to Photolatent CuAAC. Advanced Synthesis and Catalysis, 2018, 360, 4615-4624.	4.3	23
88	A radical-bridged bis(ferrocenylcopper(I)) complex: Structural identity, multifrequency EPR, and spectroelectrochemistry. Inorganica Chimica Acta, 2008, 361, 1699-1704.	2.4	22
89	Experimental and Computational Investigation of Thiolate Alkylation in Ni^{II} and Zn^{II} Complexes: Role of the Metal on the Sulfur Nucleophilicity. Inorganic Chemistry, 2011, 50, 10047-10055.	4.0	22
90	High-frequency EPR study of reduced diruthenium and dirhenium polypyridine complexes based on the 1,2,4,5-tetrazine radical bridge. Dalton Transactions, 2004, , 3727.	3.3	21

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91	Spectroelectrochemistry and DFT Analysis of a New {RuNO}ⁿ Redox System with Multifrequency EPR Suggesting Conformational Isomerism in the {RuNO}⁷ State. Inorganic Chemistry, 2007, 46, 9254-9261.	4.0	21
92	A combined high-field EPR and quantum chemical study on a weakly ferromagnetically coupled dinuclear Mn(<scp>iii</scp>) complex. A complete analysis of the EPR spectrum beyond the strong coupling limit. Physical Chemistry Chemical Physics, 2013, 15, 223-234.	2.8	21
93	An Experimental and Theoretical Investigation on Pentacoordinated Cobalt(III) Complexes with an Intermediate S=1 Spin State: How Halide Ligands Affect their Magnetic Anisotropy. Chemistry - A European Journal, 2016, 22, 925-933.	3.3	21
94	Integer-Spin Multifrequency EPR Spectroscopy of a Ferromagnetically Coupled, Oxo-Bridged MnIVMnIV Model Complex. Angewandte Chemie - International Edition, 2000, 39, 2888-2890.	13.8	20
95	High-field EPR investigation of a series of mononuclear Mn(II) complexes doped into Zn(II) hosts. Polyhedron, 2007, 26, 5243-5249.	2.2	20
96	Tetranuclear Complexes of [Fe(CO)₂(C₅H₅)]⁺ with TCNX Ligands (TCNX = TCNE, TCNQ, TCNB):â€‰ Intramolecular Electron Transfer Alternatives in Compounds (Î¼₄-TCNX)[ML_n]₄. Inorganic Chemistry, 2007, 46, 7312-7320.	4.0	19
97	Solventâ€•and Halideâ€Induced (Inter)conversion between Iron(II)â€Disulfide and Iron(III)â€Thiolate Complexes. Chemistry - A European Journal, 2018, 24, 11973-11982.	3.3	19
98	Role of the Metal Ion in Bio-Inspired Hydrogenase Models: Investigation of a Homodinuclear FeFe Complex vs Its Heterodinuclear NiFe Analogue. ACS Catalysis, 2020, 10, 177-186.	11.2	19
99	Effect of the Metal on Disulfide/Thiolate Interconversion: Manganese versus Cobalt. Chemistry - A European Journal, 2015, 21, 18770-18778.	3.3	18
100	O₂ Activation by Non-Heme Thiolate-Based Dinuclear Fe Complexes. Inorganic Chemistry, 2020, 59, 3249-3259.	4.0	17
101	Geometric and Electronic Structures of Phenoxyl Radicals Hydrogen Bonded to Neutral and Cationic Partners. Chemistry - A European Journal, 2012, 18, 5416-5429.	3.3	16
102	A fluorous copper(II)â€“carboxylate complex which magnetically and reversibly responds to humidity in the solid state. Journal of Fluorine Chemistry, 2012, 134, 49-55.	1.7	16
103	Multifrequency cw-EPR and DFT Studies of an Apparent Compressed Octahedral Cu(II) Complex. Inorganic Chemistry, 2016, 55, 1497-1504.	4.0	16
104	Complexes of [Re(CO)3Cl] with different oxidation states of the polyfunctional bmtz/H2bmtz ligand system (bmtz=3,6-bis(2-pyrimidyl)-1,2,4,5-tetrazine). Inorganica Chimica Acta, 2004, 357, 3657-3665.	2.4	15
105	Redox-Induced Î¼-Acetato and Î¼-Oxo Core Interconversions in Dinuclear Manganese Tris(2-methylpyridyl)amine (tpa) Complexes: Isolation and Characterization of [Mn2III(Î¼-O)(Î¼-O2CCH3)(tpa)2]3+. European Journal of Inorganic Chemistry, 2007, 2007, 3179-3187.	2.0	15
106	A tetranuclear organorhenium(i) complex of the 2,3,5,6-tetrafluoro-7,7,8,8-tetracyano-p-quinodimethane radical anion, TCNQF4Ë™â^'. Dalton Transactions, 2008, , 5749.	3.3	15
107	A copper thiolate centre for electron transfer: mononuclear vs. dinuclear complexes. Dalton Transactions, 2012, 41, 3130.	3.3	15
108	Calcium and heterometallic manganeseâ€“calcium complexes supported by tripodal pyridine-carboxylate ligands: structural, EPR and theoretical investigations. Dalton Transactions, 2015, 44, 12757-12770.	3.3	15

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109	Electrochemical fabrication and characterization of thin films of redox-active molecular wires based on extended Rhâ€“Rh bonded chains. Dalton Transactions, 2008, , 2149.	3.3	14
110	Mechanism and product characterization from the electroreduction of heterodinuclear complexes [(C5Me5)ClM(Î¼-L)Re(CO)3X](PF6), M=Rh or Ir, L=2,2â€²-azobispyridine or 2,2â€²-azobis(5-chloropyrimidine), X=halide. Inorganica Chimica Acta, 2004, 357, 2905-2914.	2.4	13
111	Changes in magnetic properties from solid state to solution in a trinuclear linear copper(ii) complex. New Journal of Chemistry, 2007, 31, 512.	2.8	13
112	Structure, electrochemistry, spectroscopy, and magnetic resonance, including high-field EPR, of {(Î¼-abpy)[Re(CO)3X]2}o/â€¢â^', where abpy=2,2â€²-azobispyridine and X=F, Cl, Br, I. Journal of Organometallic Chemistry, 2009, 694, 1122-1133.	1.8	13
113	Catalytic Activity of Chloro and Triflate Manganese(II) Complexes in Epoxidation Reactions: Reusable Catalytic Systems for Alkene Epoxidation. European Journal of Inorganic Chemistry, 2014, 2014, 2663-2670.	2.0	13
114	Combined Experimental and Theoretical Investigation of the Origin of Magnetic Anisotropy in Pentagonal Bipyramidal Isothiocyanato Co(II), Ni(II), and Fe(III) Complexes with Quaternary-Ammonium-Functionalized 2,6-Diacetylpyridine Bisacylhydrazone. Journal of Physical Chemistry C, 2019, 123, 31142-31155.	3.1	13
115	Bioinspired Molecular Electrocatalysts for H₂Production: Chemical Strategies. ACS Catalysis, 2022, 12, 9159-9170.	11.2	13
116	High-frequency EPR and structural data as complementary information on stable radical complexes containing the semi-reduced azo function. Journal of Molecular Structure, 2008, 890, 133-138.	3.6	12
117	Multifrequency electron paramagnetic resonance and theoretical studies of a Mn(II) (S=5/2) complex: The role of geometrical elements on the Zero Field Splitting parameters. Polyhedron, 2009, 28, 3257-3264.	2.2	12
118	Hydroxyl Radical Generation by the H2O2/CuII/Phenanthroline System under Both Neutral and Alkaline Conditions: An EPR/Spin-Trapping Investigation. Applied Sciences (Switzerland), 2021, 11, 687.	2.5	12
119	High-Field EPR Study of Frozen Aqueous Solutions of Iron(III) Citrate Complexes. European Journal of Inorganic Chemistry, 2005, 2005, 467-478.	2.0	11
120	Effective ascorbate-free and photolatent click reactions in water using a photoreducible copper(II)-ethylenediamine precatalyst. Beilstein Journal of Organic Chemistry, 2015, 11, 1950-1959.	2.2	11
121	Experimental and Theoretical Identification of the Origin of Magnetic Anisotropy in Intermediate Spin Iron(III) Complexes. Chemistry - A European Journal, 2018, 24, 5091-5094.	3.3	11
122	Synthesis and characterizations of cyclic octanuclear mixed-valence vanadium(iv,v) clusters with polyoxometalate counterions. Dalton Transactions, 2006, , 5141-5148.	3.3	10
123	Spectroscopic Characterization of the Metal-Binding Sites in the Periplasmic Metal-Sensor Domain of CnrX from Cupriavidus metallidurans CH34. Biochemistry, 2011, 50, 9036-9045.	2.5	10
124	A Highâ€Valent Nonâ€Heme Î¼â€Oxo Manganese(IV) Dimer Generated from a Thiolateâ€Bound Manganese(II) Complex and Dioxygen. Angewandte Chemie, 2017, 129, 8323-8327.	2.0	10
125	Structural, spectroscopic and redox properties of a mononuclear CoII thiolate complex â€“ the reactivity toward S-alkylation: an experimental and theoretical study. Dalton Transactions, 2012, 41, 12586.	3.3	9
126	Heterotetranuclear Complexes of Reduced and Nonâ€reduced Bridging 1,2,4,5â€Tetrazine Ligands with 1,1â€²â€Bis(diphenylphosphanyl)â€ferroceneâ€copper(I). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 327-331.	1.2	9

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127	Hydrogen Evolution from Aqueous Solutions Mediated by a Heterogenized [NiFe]â€Hydrogenase Model: Low pH Enables Catalysis through an Enzymeâ€Relevant Mechanism. Angewandte Chemie, 2018, 130, 16233-16236.	2.0	9
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