

Carole Duboc

List of Publications by Year in descending order

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papers

6,377
citations

57752

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159
all docs

159
docs citations

159
times ranked

7606
citing authors

#	ARTICLE	IF	CITATIONS
1	A bio-inspired heterodinuclear hydrogenase CoFe complex. Faraday Discussions, 2022, 234, 34-41.	3.2	2
2	New Chemical Tools for Diagnosis and Treatment of Cancer. Jacs Au, 2022, 2, 1018-1019.	7.9	1
3	Bioinspired Molecular Electrocatalysts for H ₂ Production: Chemical Strategies. ACS Catalysis, 2022, 12, 9159-9170.	11.2	13
4	Synergy between metals for small molecule activation: Enzymes and bio-inspired complexes. Coordination Chemistry Reviews, 2021, 428, 213606.	18.8	74
5	Hydroxyl Radical Generation by the H ₂ O ₂ /CuI/Phenanthroline System under Both Neutral and Alkaline Conditions: An EPR/Spin-Trapping Investigation. Applied Sciences (Switzerland), 2021, 11, 687.	2.5	12
6	An [FeFe]-Hydrogenase Mimic Immobilized through Simple Physioadsorption and Active for Aqueous H ₂ Production. ChemElectroChem, 2021, 8, 1674-1677.	3.4	9
7	A Bioinspired Ni ^{II} Superoxide Dismutase Catalyst Designed on an ATCUN-like Binding Motif. Inorganic Chemistry, 2021, 60, 12772-12780.	4.0	7
8	Small Molecule Activation by Organo-iron Complexes. , 2021, , .		0
9	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
10	Bio-inspired, Multifunctional Metal-Thiolate Motif: From Electron Transfer to Sulfur Reactivity and Small-Molecule Activation. Accounts of Chemical Research, 2020, 53, 2753-2761.	15.6	36
11	Repurposing a Bio-Inspired NiFe Hydrogenase Model for CO ₂ Reduction with Selective Production of Methane as the Unique C-Based Product. ACS Energy Letters, 2020, 5, 3837-3842.	17.4	41
12	Controlled O ₂ reduction at a mixed-valent (II,I) Cu ₂ S core. Chemical Communications, 2020, 56, 9636-9639.	4.1	9
13	O ₂ Activation by Non-Heme Thiolate-Based Dinuclear Fe Complexes. Inorganic Chemistry, 2020, 59, 3249-3259.	4.0	17
14	Mononuclear Ni(II) Complexes with a S ₃ O Coordination Sphere Based on a Tripodal Cysteine-Rich Ligand: pH Tuning of the Superoxide Dismutase Activity. Inorganic Chemistry, 2019, 58, 12775-12785.	4.0	6
15	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
16	Computational Versus Experimental Spectroscopy for Transition Metals. Challenges and Advances in Computational Chemistry and Physics, 2019, , 161-183.	0.6	1
17	Divalent Thulium Crown Ether Complexes with Field-Induced Slow Magnetic Relaxation. Inorganic Chemistry, 2019, 58, 2872-2880.	4.0	30
18	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

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19	ECOSTBio: Explicit Control Over Spin States in Technology and Biochemistry. Chemistry - A European Journal, 2018, 24, 5003-5005.	3.3	2
20	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
21	Photoredox Catalysis at Copper(II) on Chitosan: Application to Photolabile CuAAC. Advanced Synthesis and Catalysis, 2018, 360, 4615-4624.	4.3	23
22	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
23	Hydrogen Evolution from Aqueous Solutions Mediated by a Heterogenized [NiFe]-Hydrogenase Model: Low pH Enables Catalysis through an Enzyme-Relevant Mechanism. Angewandte Chemie - International Edition, 2018, 57, 16001-16004.	13.8	45
24	Hydrogen Evolution from Aqueous Solutions Mediated by a Heterogenized [NiFe]-Hydrogenase Model: Low pH Enables Catalysis through an Enzyme-Relevant Mechanism. Angewandte Chemie, 2018, 130, 16233-16236.	2.0	9
25	H ₂ O ₂ Oxidation by Fe ^{III} -OOH Intermediates and Its Effect on Catalytic Efficiency. ACS Catalysis, 2018, 8, 9665-9674.	11.2	53
26	Synthesis and electron paramagnetic resonance studies of seven coordinated Mn(II) complexes with tridentate N-donor ligands. Polyhedron, 2018, 155, 291-301.	2.2	5
27	Solvent- and Halide-Induced (Inter)conversion between Iron(II)-Disulfide and Iron(III)-Thiolate Complexes. Chemistry - A European Journal, 2018, 24, 11973-11982.	3.3	19
28	Divalent Thulium Triflate: A Structural and Spectroscopic Study. Angewandte Chemie - International Edition, 2017, 56, 4266-4271.	13.8	24
29	A High-Valent Non-Heme μ_4 -Oxo Manganese(IV) Dimer Generated from a Thiolate-Bound Manganese(II) Complex and Dioxygen. Angewandte Chemie - International Edition, 2017, 56, 8211-8215.	13.8	29
30	Trapping of superoxido cobalt and peroxido dicobalt species formed reversibly from Co ^{II} and O ₂ . Chemical Communications, 2017, 53, 11782-11785.	4.1	33
31	A High-Valent Non-Heme μ_4 -Oxo Manganese(IV) Dimer Generated from a Thiolate-Bound Manganese(II) Complex and Dioxygen. Angewandte Chemie, 2017, 129, 8323-8327.	2.0	10
32	Molecular Catalysts for N ₂ Reduction: State of the Art, Mechanism, and Challenges. ChemPhysChem, 2017, 18, 2606-2617.	2.1	83
33	Heterogenization of a [NiFe] Hydrogenase Mimic through Simple and Efficient Encapsulation into a Mesoporous MOF. Inorganic Chemistry, 2017, 56, 14801-14808.	4.0	28
34	Determination and prediction of the magnetic anisotropy of Mn ions. Chemical Society Reviews, 2016, 45, 5834-5847.	38.1	78
35	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
36	Nickel-centred proton reduction catalysis in a model of [NiFe] hydrogenase. Nature Chemistry, 2016, 8, 1054-1060.	13.6	200

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37	An Experimental and Theoretical Investigation on Pentacoordinated Cobalt(III) Complexes with an Intermediate $S=1$ Spin State: How Halide Ligands Affect their Magnetic Anisotropy. <i>Chemistry - A European Journal</i> , 2016, 22, 925-933.	3.3	21
38	Multifrequency cw-EPR and DFT Studies of an Apparent Compressed Octahedral Cu(II) Complex. <i>Inorganic Chemistry</i> , 2016, 55, 1497-1504.	4.0	16
39	Origin of the Zero-Field Splitting in Mononuclear Octahedral Mn ^{IV} Complexes: A Combined Experimental and Theoretical Investigation. <i>Inorganic Chemistry</i> , 2016, 55, 1192-1201.	4.0	37
40	Effect of the Metal on Disulfide/Thiolate Interconversion: Manganese versus Cobalt. <i>Chemistry - A European Journal</i> , 2015, 21, 18770-18778.	3.3	18
41	Effective ascorbate-free and photolabile click reactions in water using a photoreducible copper(II)-ethylenediamine precatalyst. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 1950-1959.	2.2	11
42	Biophysical and physiological characterization of ZraP from <i>Escherichia coli</i> , the periplasmic accessory protein of the atypical ZraSR two-component system. <i>Biochemical Journal</i> , 2015, 472, 205-216.	3.7	31
43	Heterotetranuclear Complexes of Reduced and Non-reduced Bridging 1,2,4,5-tetrazine Ligands with 1,1-bis(diphenylphosphanyl)ferrocene-copper(I). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 327-331.	1.2	9
44	Dioxygen Activation and Catalytic Reduction to Hydrogen Peroxide by a Thiolate-Bridged Dimanganese(II) Complex with a Pendant Thiol. <i>Journal of the American Chemical Society</i> , 2015, 137, 8644-8653.	13.7	56
45	Calcium and heterometallic manganese-calcium complexes supported by tripodal pyridine-carboxylate ligands: structural, EPR and theoretical investigations. <i>Dalton Transactions</i> , 2015, 44, 12757-12770.	3.3	15
46	Copper-photocatalyzed trifluoromethylation of alkenes. <i>Chemical Communications</i> , 2015, 51, 9571-9574.	4.1	56
47	How Accurately Can Extended X-ray Absorption Spectra Be Predicted from First Principles? Implications for Modeling the Oxygen-Evolving Complex in Photosystem II. <i>Journal of the American Chemical Society</i> , 2015, 137, 12815-12834.	13.7	26
48	Ca K-Edge XAS as a Probe of Calcium Centers in Complex Systems. <i>Inorganic Chemistry</i> , 2015, 54, 1283-1292.	4.0	39
49	Pulsed-EPR Evidence of a Manganese(II) Hydroxycarbonyl Intermediate in the Electrocatalytic Reduction of Carbon Dioxide by a Manganese Bipyridyl Derivative. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 240-243.	13.8	121
50	Catalytic Activity of Chloro and Triflate Manganese(II) Complexes in Epoxidation Reactions: Reusable Catalytic Systems for Alkene Epoxidation. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2663-2670.	2.0	13
51	On the Road to MM ² X Polymers: Redox Properties of Heterometallic Ni ^{II} -Pt Paddlewheel Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 10553-10562.	4.0	6
52	Sunlight-Driven Copper-Catalyst Activation Applied to Photolabile Click Chemistry. <i>Chemistry - A European Journal</i> , 2014, 20, 13181-13187.	3.3	27
53	A Bio-inspired Switch Based on Cobalt(II) Disulfide/Cobalt(III) Thiolate Interconversion. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5318-5321.	13.8	34
54	Vanadium Thiolate Complexes for Efficient and Selective Sulfoxidation Catalysis: A Mechanistic Investigation. <i>Inorganic Chemistry</i> , 2013, 52, 13424-13431.	4.0	24

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55	Sulfonium Polyoxometalates: A New Class of Solid-State Photochromic Hybrid Organic-Inorganic Materials. <i>Inorganic Chemistry</i> , 2013, 52, 555-557.	4.0	65
56	A combined high-field EPR and quantum chemical study on a weakly ferromagnetically coupled dinuclear Mn(II) complex. A complete analysis of the EPR spectrum beyond the strong coupling limit. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 223-234.	2.8	21
57	Geometric and Electronic Structures of Phenoxy Radicals Hydrogen Bonded to Neutral and Cationic Partners. <i>Chemistry - A European Journal</i> , 2012, 18, 5416-5429.	3.3	16
58	Structural, spectroscopic and redox properties of a mononuclear Co(II) thiolate complex - the reactivity toward S-alkylation: an experimental and theoretical study. <i>Dalton Transactions</i> , 2012, 41, 12586.	3.3	9
59	Visible-Light-Driven Generation of High-Valent Oxo-Bridged Dinuclear and Tetranuclear Manganese Terpyridine Entities Linked to Photoactive Ruthenium Units of Relevance to Photosystem II. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 5485-5499.	2.0	6
60	Lithium/Sulfur Cell Discharge Mechanism: An Original Approach for Intermediate Species Identification. <i>Analytical Chemistry</i> , 2012, 84, 3973-3980.	6.5	832
61	A copper thiolate centre for electron transfer: mononuclear vs. dinuclear complexes. <i>Dalton Transactions</i> , 2012, 41, 3130.	3.3	15
62	Manganese K-Edge X-Ray Absorption Spectroscopy as a Probe of the Metal-Ligand Interactions in Coordination Compounds. <i>Inorganic Chemistry</i> , 2012, 51, 680-687.	4.0	105
63	The Solution Chemistry of Cu ²⁺ -tren Complexes Revisited: Exploring the Role of Species That Are Not Trigonal Bipyramidal. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2514-2526.	2.0	5
64	Polyoxometalates Functionalized by Bisphosphonate Ligands: Synthesis, Structural, Magnetic, and Spectroscopic Characterizations and Activity on Tumor Cell Lines. <i>Inorganic Chemistry</i> , 2012, 51, 7921-7931.	4.0	74
65	A fluorine copper(II) carboxylate complex which magnetically and reversibly responds to humidity in the solid state. <i>Journal of Fluorine Chemistry</i> , 2012, 134, 49-55.	1.7	16
66	Spectroscopic Characterization of the Metal-Binding Sites in the Periplasmic Metal-Sensor Domain of CnrX from <i>Cupriavidus metallidurans</i> CH34. <i>Biochemistry</i> , 2011, 50, 9036-9045.	2.5	10
67	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. <i>Inorganic Chemistry</i> , 2011, 50, 3707-3716.	4.0	33
68	Multireversible Redox Processes in Pentanuclear Bis(Triple-Helical) Manganese Complexes Featuring an Oxo-Centered triangular {Mn ^{II} ₂ Mn ^{III} ($\frac{1}{4}$ -O)} ⁵⁺ or {Mn ^{II} Mn ^{III} ₂ ($\frac{1}{4}$ -O)} ⁶⁺ Core Wrapped by Two {Mn ^{II} ₂ (bpp) ₃ } ⁺ . <i>Inorganic Chemistry</i> , 2011, 50, 8427-8436.	4.0	43
69	Manganese K ² X-ray Emission Spectroscopy As a Probe of Metal-Ligand Interactions. <i>Inorganic Chemistry</i> , 2011, 50, 8397-8409.	4.0	118
70	Experimental and Computational Investigation of Thiolate Alkylation in Ni ^{II} and Zn ^{II} Complexes: Role of the Metal on the Sulfur Nucleophilicity. <i>Inorganic Chemistry</i> , 2011, 50, 10047-10055.	4.0	22
71	Factors influencing mononuclear versus multinuclear coordination in a series of potentially hexadentate acyclic N6 ligands: the roles of flexibility and chelate ring size. <i>Dalton Transactions</i> , 2011, 40, 12075.	3.3	6
72	Electrochemical formation of bi- versus tetranuclear $\frac{1}{4}$ -oxo terpyridine manganese complexes in CH ₃ CN. Influence of the terpyridine substituents. <i>Inorganica Chimica Acta</i> , 2011, 374, 187-196.	2.4	6

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73	A Fully Delocalized Mixed-Valence Bis(Thiolato) Dicopper Complex: A Structural and Functional Model of the Biological Cu ₂ Center. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5662-5666.	13.8	48
74	Systematic Theoretical Study of the Zero-Field Splitting in Coordination Complexes of Mn(III). Density Functional Theory versus Multireference Wave Function Approaches. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10750-10758.	2.5	129
75	Understanding the Zero-Field Splitting of Mononuclear Manganese(II) Complexes from Combined EPR Spectroscopy and Quantum Chemistry. <i>Applied Magnetic Resonance</i> , 2010, 37, 229-245.	1.2	69
76	Investigation of the Zero-Field Splitting in Six- and Seven-Coordinate Mononuclear Mn ^{II} Complexes with N/O-Based Ligands by Combining EPR Spectroscopy and Quantum Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3658-3665.	2.0	28
77	Oxidative Perhydroxylation of [closo-B ₁₂ H ₁₂] ²⁺ to the Stable Inorganic Cluster Redox System [B ₁₂ (OH) ₁₂] ²⁺ : Experiment and Theory. <i>Chemistry - A European Journal</i> , 2010, 16, 11242-11245.	3.3	39
78	Soluble Heterometallic Coordination Polymers Based on a Bis-terpyridine-Functionalized Dioxocyclam Ligand. <i>Inorganic Chemistry</i> , 2010, 49, 2592-2599.	4.0	40
79	Structural, Magnetic, EPR, and Electrochemical Characterizations of a Spin-Frustrated Trinuclear Cr ^{III} -Polyoxometalate and Study of Its Reactivity with Lanthanum Cations. <i>Inorganic Chemistry</i> , 2010, 49, 2851-2858.	4.0	60
80	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. <i>Inorganic Chemistry</i> , 2010, 49, 6399-6401.	4.0	43
81	An Unusual Stable Mononuclear Mn ^{III} Bis-terpyridine Complex Exhibiting Jahn-Teller Compression: Electrochemical Synthesis, Physical Characterisation and Theoretical Study. <i>Chemistry - A European Journal</i> , 2009, 15, 980-988.	3.3	63
82	Heterohexanuclear (Cu ₃ Fe ₃) Complexes of Substituted Hexaazatrinaphthylene (HATN) Ligands: Twofold BF ₄ ⁻ Association in the Solid and Stepwise Oxidation (3e) or Reduction (2e) to Spectroelectrochemically Characterized Species. <i>Chemistry - A European Journal</i> , 2009, 15, 6932-6939.	3.3	31
83	An Odd-Electron Complex [Ru ^{II} (NO)(Q)(terpy)] ²⁺ with Two Prototypical Non-Innocent Ligands. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4242-4245.	13.8	53
84	Evidence for the dimer-of-(mixed-valent dimers) configuration in tetranuclear {(1/4)TCNX}[Ru(NH ₃) ₅] ₄ ⁸⁺ , TCNX=ATCNE and TCNQ, from DFT calculations. <i>Monatshefte für Chemie</i> , 2009, 140, 765-773.	1.8	24
85	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. <i>Polyhedron</i> , 2009, 28, 3257-3264.	2.2	12
86	Structure, electrochemistry, spectroscopy, and magnetic resonance, including high-field EPR, of {(1/4)abpy}[Re(CO) ₃ X] ₂ o ⁺ , where abpy=2,2'-azobispyridine and X=F, Cl, Br, I. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 1122-1133.	1.8	13
87	Trinuclear Terpyridine Frustrated Spin System with a Mn ^{IV} ₃ O ₄ Core: Synthesis, Physical Characterization, and Quantum Chemical Modeling of Its Magnetic Properties. <i>Inorganic Chemistry</i> , 2009, 48, 10281-10288.	4.0	53
88	Dramatic Solid-State Humidity-Induced Modification of the Magnetic Coupling in a Dimeric Fluorous Copper(II) Carboxylate Complex. <i>Inorganic Chemistry</i> , 2009, 48, 5623-5625.	4.0	23
89	Mononuclear Mn ^{III} and Mn ^{IV} Bis-terpyridine Complexes: Electrochemical Formation and Spectroscopic Characterizations. <i>Inorganic Chemistry</i> , 2009, 48, 3125-3131.	4.0	37
90	Multifrequency high-field EPR investigation of a mononuclear manganese(IV) complex. <i>Chemical Communications</i> , 2009, , 2715.	4.1	31

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91	Definition of Magneto-Structural Correlations for the Mn ^{II} Ion. Chemistry - A European Journal, 2008, 14, 6498-6509.	3.3	63
92	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
93	A radical-bridged bis(ferrocenylcopper(I)) complex: Structural identity, multifrequency EPR, and spectroelectrochemistry. Inorganica Chimica Acta, 2008, 361, 1699-1704.	2.4	22
94	Artificial Metalloenzyme for Enantioselective Sulfoxidation Based on Vanadyl-Loaded Streptavidin. Journal of the American Chemical Society, 2008, 130, 8085-8088.	13.7	145
95	A series of metal complexes with the non-innocent N,N'-bis(pentafluorophenyl)-o-phenylenediamido ligand: twisted geometry for tuning the electronic structure. Dalton Transactions, 2008, , 1355.	3.3	58
96	A tetranuclear organorhenium(i) complex of the 2,3,5,6-tetrafluoro-7,7,8,8-tetracyano-p-quinodimethane radical anion, TCNQF4 ^{•-} . Dalton Transactions, 2008, , 5749.	3.3	15
97	A Systematic Density Functional Study of the Zero-Field Splitting in Mn(II) Coordination Compounds. Inorganic Chemistry, 2008, 47, 134-142.	4.0	121
98	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
99	Electrochemical fabrication and characterization of thin films of redox-active molecular wires based on extended Rh-Rh bonded chains. Dalton Transactions, 2008, , 2149.	3.3	14
100	Origin of the Zero-Field Splitting in Mononuclear Octahedral Dihalide MnII Complexes: An Investigation by Multifrequency High-Field Electron Paramagnetic Resonance and Density Functional Theory. Inorganic Chemistry, 2007, 46, 4905-4916.	4.0	113
101	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
102	The Highest D Value for a MnII Ion: Investigation of a Manganese(II) Polyoxometalate Complex by High-Field Electron Paramagnetic Resonance. Inorganic Chemistry, 2007, 46, 7710-7712.	4.0	38
103	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
104	Tetranuclear Complexes of [Fe(CO) ₂ (C ₅ H ₅) ₂] ⁺ with TCNX Ligands (TCNX = TCNE, TCNQ, TCNB): Intramolecular Electron Transfer Alternatives in Compounds (1/4 ₄ -TCNX)[ML _n] ₄ . Inorganic Chemistry, 2007, 46, 7312-7320.	4.0	19
105	Redox-Induced 1/4-Acetato and 1/4-Oxo Core Interconversions in Dinuclear Manganese Tris(2-methylpyridyl)amine (tpa) Complexes: Isolation and Characterization of [Mn2III(1/4-O)(1/4-O2CCH3)(tpa)2]3+. European Journal of Inorganic Chemistry, 2007, 2007, 3179-3187.	2.0	15
106	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
107	Synthesis and characterizations of cyclic octanuclear mixed-valence vanadium(IV,V) clusters with polyoxometalate counterions. Dalton Transactions, 2006, , 5141-5148.	3.3	10
108	Multifrequency EPR and Redox Reactivity Investigations of a Bis(1/4-thiolato)-dicopper(II,II) Complex. Inorganic Chemistry, 2006, 45, 10355-10362.	4.0	26

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109	Mixed-valent and radical states of complexes [(bpy) ₂ M(1/4-abpy)M ²⁺ (bpy) ₂] ⁿ⁺ , M, M ²⁺ =Ru or Os, abpy=2,2'-azobispyridine: Electron transfer vs. hole transfer mechanism in azo ligand-bridged complexes. <i>Inorganica Chimica Acta</i> , 2006, 359, 821-829.	2.4	25
110	A multifrequency high-field EPR (9-285GHz) investigation of a series of dichloride mononuclear penta-coordinated Mn(II) complexes. <i>Inorganica Chimica Acta</i> , 2006, 359, 1541-1548.	2.4	34
111	Structural and Magnetic Properties of Mn(III) and Cu(I) Tetranuclear Azido Polyoxometalate Complexes: Multifrequency High-Field EPR Spectroscopy of Cu ₄ Clusters with S=1 and S=2 Ground States. <i>Chemistry - A European Journal</i> , 2006, 12, 1950-1959.	3.3	115
112	High-Field EPR Study of Frozen Aqueous Solutions of Iron(III) Citrate Complexes. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 467-478.	2.0	11
113	High-Spin Chloro Mononuclear Mn(III) Complexes: A Multifrequency High-Field EPR Study. <i>ChemPhysChem</i> , 2005, 6, 541-546.	2.1	26
114	An Unprecedented Bridging Phenoxyl Radical in Dicopper(II) Complexes: Evidence for an S=3/2 Spin State. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 438-441.	13.8	41
115	Multi-frequency high-field EPR studies on metal-substituted xylose isomerase. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, S65-S73.	1.9	6
116	The Redox Series [M(bpy) ₂ (Q)] ⁿ⁺ , M = Ru or Os, Q = 3,5-Di-tert-butyl-N-phenyl-1,2-benzoquinoneminoimine. Isolation and a Complete X and W Band EPR Study of the Semiquinone States (n = 1). <i>Inorganic Chemistry</i> , 2005, 44, 2843-2847.	4.0	46
117	Electron delocalisation in a trinuclear copper(II) complex: high-field EPR characterization and magnetic properties of Na ₃ [Cu ₃ (mal) ₃ (H ₂ O)]·8H ₂ O. <i>Dalton Transactions</i> , 2005, , 3795.	3.3	33
118	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). <i>Inorganic Chemistry</i> , 2005, 44, 9567-9573.	4.0	48
119	How Single and Bifurcated Hydrogen Bonds Influence Proton-Migration Rate Constants, Redox, and Electronic Properties of Phenoxyl Radicals. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 594-597.	13.8	57
120	Investigation of a Neat versus Magnetically Diluted Powdered Mononuclear Mn(II) Complex by High-Field and High-Frequency EPR Spectroscopy. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 3880-3886.	2.0	25
121	Mechanism and product characterization from the electroreduction of heterodinuclear complexes [(C ₅ Me ₅)CIM(1/4-L)Re(CO) ₃ X](PF ₆), M=Rh or Ir, L=2,2'-azobispyridine or 2,2'-azobis(5-chloropyrimidine), X=halide. <i>Inorganica Chimica Acta</i> , 2004, 357, 2905-2914.	2.4	13
122	Complexes of [Re(CO) ₃ Cl] with different oxidation states of the polyfunctional bmtz/H ₂ bmtz ligand system (bmtz=3,6-bis(2-pyrimidyl)-1,2,4,5-tetrazine). <i>Inorganica Chimica Acta</i> , 2004, 357, 3657-3665.	2.4	15
123	Structural Characterization and Electronic Properties Determination by High-Field and High-Frequency EPR of a Series of Five-Coordinated Mn(II) Complexes. <i>Inorganic Chemistry</i> , 2004, 43, 6455-6463.	4.0	82
124	Molecule-Bridged Mixed-Valent Intermediates Involving the Ru(II) Oxidation State. <i>Journal of the American Chemical Society</i> , 2004, 126, 14706-14707.	13.7	48
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