

Karl Wieghardt

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7468465/karl-wieghardt-publications-by-year.pdf>

Version: 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

542
papers

28,103
citations

87
h-index

133
g-index

562
ext. papers

29,530
ext. citations

6.2
avg, IF

6.79
L-index

#	Paper	IF	Citations
542	Structural characteristics of redox-active pyridine-1,6-diimine complexes: Electronic structures and ligand oxidation levels. <i>Coordination Chemistry Reviews</i> , 2019 , 380, 287-317	23.2	49
541	Coordination Modes, Oxidation, and Protonation Levels of 2,6-Pyridinediimine and 2,2':6',2' -Terpyridine Ligands in New Complexes of Cobalt, Zirconium, and Ruthenium. An Experimental and Density Functional Theory Computational Study. <i>Inorganic Chemistry</i> , 2019 , 58, 121-132	5.1	5
540	Ligand-Directed Reactivity in Dioxygen and Water Binding to cis-[Pd(NHC)(η O)]. <i>Journal of the American Chemical Society</i> , 2018 , 140, 264-276	16.4	1
539	Structural and Spectroscopic Characterization of Rhenium Complexes Containing Neutral, Monoanionic, and Dianionic Ligands of 2,2'-Bipyridines and 2,2':6,2'-Terpyridines: An Experimental and Density Functional Theory (DFT)-Computational Study. <i>Inorganic Chemistry</i> , 2016 , 55, 5019-36	5.1	23
538	Solution Dynamics of Redox Noninnocent Nitrosoarene Ligands: Mapping the Electronic Criteria for the Formation of Persistent Metal-Coordinated Nitroxide Radicals. <i>Inorganic Chemistry</i> , 2015 , 54, 7110-21	5.1	20
537	Molecular and Electronic Structures of Mononuclear and Dinuclear Titanium Complexes Containing η Radical Anions of 2,2'-Bipyridine and 1,10-Phenanthroline: An Experimental and DFT Computational Study. <i>Inorganic Chemistry</i> , 2015 , 54, 4811-20	5.1	30
536	Re-evaluating the Cu K pre-edge XAS transition in complexes with covalent metal-ligand interactions. <i>Chemical Science</i> , 2015 , 6, 2474-2487	9.4	91
535	Determining the Electronic Structure of a Series of [(phen) $_3$ M]0 (M = Ti, V, Mo) and [(pdi) $_2$ M] $_{n+}$ (M = Cr, Mo) Complexes: Coordination of Neutral Ligands vs. η Radical Anions. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 3246-3254	2.3	14
534	Electronic Structures of Low-Valent Neutral Complexes [NiL $_2$]0 (S = 0; L = bpy, phen, tpy) [An Experimental and DFT Computational Study. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 1511-1523	2.3	24
533	Molecular and Electronic Structures of Homoleptic Six-Coordinate Cobalt(I) Complexes of 2,2':6',2'-Terpyridine, 2,2'-Bipyridine, and 1,10-Phenanthroline. An Experimental and Computational Study. <i>Inorganic Chemistry</i> , 2015 , 54, 12002-18	5.1	42
532	The electron transfer series [Mo(III)(bpy) $_3$](n) (n = 3+, 2+, 1+, 0, 1-), and the dinuclear species [{Mo(III)Cl((Me)bpy) $_2$]2(η -O)]Cl $_2$ and [{Mo(IV)(tpy) $_2$]2(η -MoO $_4$)](PF $_6$) $_2$ 4 MeCN. <i>Chemistry - A European Journal</i> , 2014 , 20, 9037-44	4.8	3
531	Trapping of the putative 1,2-dinitrosoarene intermediate of benzofuroxan tautomerization by coordination at ruthenium and exploration of its redox non-innocence. <i>Chemical Science</i> , 2014 , 5, 3883-3887	9.4	18
530	Molecular and electronic structures of the members of the electron transfer series [Mn(bpy) $_3$] $_n$ (n = 2+, 1+, 0, 1-) and [Mn(tpy) $_2$] $_m$ (m = 4+, 3+, 2+, 1+, 0). An experimental and density functional theory study. <i>Inorganic Chemistry</i> , 2014 , 53, 2276-87	5.1	40
529	The neutral complex [Cr(III) $_4$ (η -O) $_2$ (η -CH $_3$ CO $_2$) $_7$ (tbpy) $_0$ (tbpy) $_1$]0 is a tetranuclear Cr(III) species containing a neutral (bpy $_0$) and a η radical anion (bpy $_1$). <i>Canadian Journal of Chemistry</i> , 2014 , 92, 913-917	0.9	2
528	2,2'-Bipyridine compounds of group 14 elements: a density functional theory study. <i>Inorganic Chemistry</i> , 2013 , 52, 10067-79	5.1	17
527	Ruthenium(II) and osmium(II) complexes bearing bipyridine and the N-heterocyclic carbene-based C N ^C pincer ligand: an experimental and density functional theory study. <i>Inorganic Chemistry</i> , 2013 , 52, 9885-96	5.1	47
526	Electronic structures of homoleptic [tris(2,2'-bipyridine)M] $_n$ complexes of the early transition metals (M = Sc, Y, Ti, Zr, Hf, V, Nb, Ta; n = 1+, 0, 1-, 2-, 3-): an experimental and density functional theoretical study. <i>Inorganic Chemistry</i> , 2013 , 52, 2242-56	5.1	47

525	Noninnocent Behavior of NitrosoarenePyridine Hybrid Ligands: Ruthenium Complexes Bearing a 2-(2-Nitrosoaryl)Pyridine Monoanion Radical. <i>ChemPlusChem</i> , 2013 , 78, 214-217	2.8	23
524	A theoretical study of zero-field splitting in Fe(IV)S ₆ (S = 1) and Fe(III)S ₆ (S = 1/2) core complexes, [FeIV(Et ₂ dtc) ₃ β(mnt) _n](n ⁺) and [FeIII(Et ₂ dtc) ₃ β(mnt) _n](n ⁻) (n = 0, 1, 2, 3): The origin of the magnetic anisotropy. <i>Coordination Chemistry Reviews</i> , 2013 , 257, 27-41	23.2	18
523	The trivalent copper complex of a conjugated bis-dithiocarbazate Schiff base: stabilization of Cu in three different oxidation states. <i>Inorganic Chemistry</i> , 2013 , 52, 1650-7	5.1	32
522	New complexes of chromium(III) containing organic βradical ligands: an experimental and density functional theory study. <i>Inorganic Chemistry</i> , 2013 , 52, 4472-87	5.1	30
521	Molecular and electronic structures of six-coordinate "low-valent" [M((Me)bpy) ₃] ⁰ (M = Ti, V, Cr, Mo) and [M(tpy) ₂] ⁰ (M = Ti, V, Cr), and seven-coordinate [MoF((Me)bpy) ₃](PF ₆) and [MX(tpy) ₂](PF ₆) (M = Mo, X = Cl and M = W, X = F). <i>Inorganic Chemistry</i> , 2013 , 52, 12763-76	5.1	44
520	Synthesis and Electronic Structure of Reduced Bis(imino)pyridine Manganese Compounds. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 535-545	2.3	53
519	Bis(imino)pyridine Iron Dinitrogen Compounds Revisited: Differences in Electronic Structure Between Four- and Five-Coordinate Derivatives. <i>Organometallics</i> , 2012 , 31, 2275-2285	3.8	62
518	Experimental fingerprints for redox-active terpyridine in [Cr(tpy) ₂](PF ₆) _n (n = 3-0), and the remarkable electronic structure of [Cr(tpy) ₂] ¹⁻ . <i>Inorganic Chemistry</i> , 2012 , 51, 3718-32	5.1	104
517	Oxidative addition of carbon-carbon bonds with a redox-active bis(imino)pyridine iron complex. <i>Journal of the American Chemical Society</i> , 2012 , 134, 17125-37	16.4	121
516	Bis(imino)pyridine iron dinitrogen compounds revisited: differences in electronic structure between four- and five-coordinate derivatives. <i>Inorganic Chemistry</i> , 2012 , 51, 3770-85	5.1	107
515	Electronic structures of the [V(tbpy) ₃] ^z (z = 3+, 2+, 0, 1-) electron transfer series. <i>Inorganic Chemistry</i> , 2012 , 51, 3707-17	5.1	41
514	Electronic Structures of the Electron Transfer Series [M(bpy) ₃] ⁿ , [M(tpy) ₂] ⁿ , and [Fe(tbpy) ₃] ⁿ (M = Fe, Ru; n = 3+, 2+, 1+, 0, 1 ⁻): A Mössbauer Spectroscopic and DFT Study. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 4605-4621	2.3	72
513	Scrutinizing low-spin Cr(II) complexes. <i>Inorganic Chemistry</i> , 2012 , 51, 6969-82	5.1	48
512	Redox noninnocence of nitrosoarene ligands in transition metal complexes. <i>Inorganic Chemistry</i> , 2011 , 50, 5763-76	5.1	49
511	Synthesis and electronic structure determination of N-alkyl-substituted bis(imino)pyridine iron imides exhibiting spin crossover behavior. <i>Journal of the American Chemical Society</i> , 2011 , 133, 17353-69	16.4	87
510	The rhenium tris(dithiolene) electron transfer series: calibrating covalency. <i>Inorganic Chemistry</i> , 2011 , 50, 12623-31	5.1	24
509	Electronic and molecular structures of the members of the electron transfer series [Cr(tbpy) ₃] ⁿ (n = 3+, 2+, 1+, 0): an X-ray absorption spectroscopic and density functional theoretical study. <i>Inorganic Chemistry</i> , 2011 , 50, 12446-62	5.1	123
508	Electronic structure of 2,2'-bipyridine organotransition-metal complexes. Establishing the ligand oxidation level by density functional theoretical calculations. <i>Inorganic Chemistry</i> , 2011 , 50, 9773-93	5.1	146

507	Electronic structures and spectroscopy of the electron transfer series $[\text{Fe}(\text{NO})\text{L}_2]_z$ ($z = 1+, 0, 1-, 2-, 3-$; L = dithiolene). <i>Inorganic Chemistry</i> , 2011 , 50, 12064-74	5.1	27
506	$[(\text{TMEDA})\text{Co}(\text{NO})_2][\text{BPh}_4]$: A versatile synthetic entry point to four and five coordinate $\{\text{Co}(\text{NO})_2\}_n$ complexes. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 3974-3981	2.3	12
505	Molecular and electronic structures of new iron complexes containing N,S-coordinated o-iminothionebenzosemiquinonate(1-) radical ligands: An experimental and density functional theoretical study. <i>Inorganica Chimica Acta</i> , 2011 , 374, 226-239	2.7	14
504	Hidden Noninnocence: Theoretical and Experimental Evidence for Redox Activity of a μ -Diketiminato(1-) Ligand. <i>Angewandte Chemie</i> , 2011 , 123, 1690-1693	3.6	29
503	Hidden noninnocence: theoretical and experimental evidence for redox activity of a μ -diketiminato(1-) ligand. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1652-5	16.4	92
502	Dithiolene radicals: Sulfur K-edge X-ray absorption spectroscopy and Harry's intuition. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 837-860	23.2	156
501	Monoanionic molybdenum and tungsten tris(dithiolene) complexes: a multifrequency EPR study. <i>Inorganic Chemistry</i> , 2011 , 50, 7106-22	5.1	48
500	Electronic structure of a weakly antiferromagnetically coupled Mn(II)Mn(III) model relevant to manganese proteins: a combined EPR, ^{55}Mn -ENDOR, and DFT study. <i>Inorganic Chemistry</i> , 2011 , 50, 8238-51	5.1	46
499	A step beyond the Feltham-Enemark notation: spectroscopic and correlated ab initio computational support for an antiferromagnetically coupled M(II)-(NO)- description of $\text{Tp}^*\text{M}(\text{NO})$ (M = Co, Ni). <i>Journal of the American Chemical Society</i> , 2011 , 133, 18785-801	16.4	83
498	Synthesis and molecular and electronic structures of reduced bis(imino)pyridine cobalt dinitrogen complexes: ligand versus metal reduction. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1676-84	16.4	164
497	Reduced N-alkyl substituted bis(imino)pyridine cobalt complexes: molecular and electronic structures for compounds varying by three oxidation states. <i>Inorganic Chemistry</i> , 2010 , 49, 6110-23	5.1	86
496	Synthesis and electronic structure of cationic, neutral, and anionic bis(imino)pyridine iron alkyl complexes: evaluation of redox activity in single-component ethylene polymerization catalysts. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15046-59	16.4	140
495	Influence of the redox active ligand on the reactivity and electronic structure of a series of Fe(TIM) complexes. <i>Inorganic Chemistry</i> , 2010 , 49, 5686-700	5.1	18
494	Chemistry. Radical ligands confer nobility on base-metal catalysts. <i>Science</i> , 2010 , 327, 794-5	33.3	712
493	Electronic structure of the members of the electron transfer series $[\text{NiL}](z)$ ($z = 3+, 2+, 1+, 0$) and $[\text{NiL}(\text{X})](n)$ (X = Cl, CO, P(OCH(3))(3)) species containing a tetradentate, redox-noninnocent, Schiff base macrocyclic ligand L: an experimental and density functional theoretical study. <i>Dalton Transactions</i> , 2010 , 39, 1996-2007	4.3	32
492	Six-membered electron transfer series $[\text{V}(\text{dithiolene})(3)](z)$ ($z = 1+, 0, 1-, 2-, 3-, 4-$). An X-ray absorption spectroscopic and density functional theoretical study. <i>Inorganic Chemistry</i> , 2010 , 49, 5241-61	5.1	49
491	Stabilization of high-valent Fe(IV) S_6 -cores by dithiocarbamate(1-) and 1,2-dithiolate(2-) ligands in octahedral $[\text{Fe}(\text{IV})(\text{Et}_2\text{dtc})(3-n)(\text{mnt})(n)]((n-1)-)$ complexes ($n=0, 1, 2, 3$): a spectroscopic and density functional theory computational study. <i>Chemistry - A European Journal</i> , 2010 , 16, 3628-45	4.8	19
490	The molecular and electronic structures of monomeric cobalt complexes containing redox noninnocent o-aminobenzenethiolate ligands. <i>Inorganica Chimica Acta</i> , 2010 , 363, 2702-2714	2.7	16

489	o-Dithiolene and o-aminothiolate chemistry of iron: Synthesis, structure and reactivity. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 1358-1382	23.2	93
488	[[Fe(tim)] ₂]: ein Fe-Fe-Dimer mit einer unverbrückten Metall-Metall-Bindung und redoxaktiven N4-makrocyclischen Liganden. <i>Angewandte Chemie</i> , 2009 , 121, 3758-3761	3.6	20
487	Polynuclear Complexes Containing the Redox Noninnocent Schiff Base Ligand 2-[(E)-2-Mercaptophenylimino]methyl-4,6-di-tert-butylphenolate(2-). <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 2655-2663	2.3	23
486	[[Fe(tim)] ₂]: an Fe-Fe dimer containing an unsupported metal-metal bond and redox-active N4 macrocyclic ligands. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3703-6	16.4	56
485	Octahedral monodithiolene complexes of iron: characterization of S,S'-coordinated dithiolate(1-) pi radical monoanions: a spectroscopic and density functional theoretical investigation. <i>Inorganic Chemistry</i> , 2009 , 48, 7430-45	5.1	22
484	Octahedral monodithiolene complexes of cobalt(III) and chromium(III). Spectroscopic and density functional theoretical characterization of S,S'-coordinated benzene-1,2-dithiolate(1-) pi radicals. <i>Inorganic Chemistry</i> , 2009 , 48, 6211-21	5.1	20
483	Electronic structure of the [tris(dithiolene)chromium](z) (z = 0, 1-, 2-, 3-) electron transfer series and their manganese(IV) analogues. An X-ray absorption spectroscopic and density functional theoretical study. <i>Inorganic Chemistry</i> , 2009 , 48, 5829-47	5.1	76
482	Reduction chemistry of aryl- and alkyl-substituted bis(imino)pyridine iron dihalide compounds: molecular and electronic structures of [(PDI)2Fe] derivatives. <i>Inorganic Chemistry</i> , 2009 , 48, 4190-200	5.1	70
481	Characterization and electronic structures of five members of the electron transfer series [Re(benzene-1,2-dithiolato)3](z) (z = 1+, 0, 1-, 2-, 3-): a spectroscopic and density functional theoretical study. <i>Inorganic Chemistry</i> , 2009 , 48, 10926-41	5.1	46
480	Electron paramagnetic resonance and electron nuclear double resonance investigation of the diradical bis(alpha-aminopyridinato)zinc complex. <i>Inorganic Chemistry</i> , 2009 , 48, 2626-32	5.1	26
479	Square planar bis{3,6-bis(trimethylsilyl)benzene-1,2-dithiolato}metal complexes of Cr(II), Co(III), and Rh(II): an experimental and density functional theoretical study. <i>Inorganic Chemistry</i> , 2009 , 48, 10913-25	5.1	29
478	Electronic structures of [Ru(II)(cyclam)(Et(2)dtc)](+), [Ru(cyclam)(tdt)](+), and [Ru(cyclam)(tdt)](2+): an X-ray absorption spectroscopic and computational study (tdt = toluene-3,4-dithiolate; Et(2)dtc = N,N-diethyldithiocarbamate(1-)). <i>Inorganic Chemistry</i> , 2009 , 48, 9754-66	5.1	22
477	Cubane-type Co4S4 clusters: synthesis, redox series, and magnetic ground states. <i>Journal of the American Chemical Society</i> , 2009 , 131, 11213-21	16.4	24
476	Tuning the oxidation level, the spin state, and the degree of electron delocalization in homo- and heteroleptic bis(alpha-diimine)iron complexes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12082-11	16.4	97
475	Trivalent iron and ruthenium complexes with a redox noninnocent (2-mercaptophenylimino)-methyl-4,6-di-tert-butylphenolate(2-) ligand. <i>Inorganic Chemistry</i> , 2009 , 48, 3783-91	5.1	33
474	Accessing the different redox states of alpha-aminopyridines within cobalt complexes. <i>Inorganic Chemistry</i> , 2009 , 48, 6055-64	5.1	73
473	Redox-noninnocence of N,N'-bis(6-methyl-2-pyridylmethylene)ethane-1,2-diamine (L): synthesis and characterization of diamagnetic [Ni(II)2(L**) ₂] and [Zn(II)2(L)Cl4]((L**) ₂ - pi diradical dianion of L). <i>Chemical Communications</i> , 2009 , 6098-100	5.8	11
472	Bis(alpha-diimine)iron complexes: electronic structure determination by spectroscopy and broken symmetry density functional theoretical calculations. <i>Inorganic Chemistry</i> , 2008 , 47, 4579-90	5.1	84

471	From a paramagnetic, mononuclear supersulfidonickel(II) complex to a diamagnetic dimer with a four-sulfur two-electron bond. <i>Journal of the American Chemical Society</i> , 2008 , 130, 13536-7	16.4	44
470	A structural, spectroscopic and computational study of the molecular and electronic structure of a [bis(alpha-diiminato)manganese(II)] pi radical complex. <i>Dalton Transactions</i> , 2008 , 5149-51	4.3	29
469	Molecular and electronic structure of the square planar bis(o-amidobenzenethiolato)iron(III) anion and its bis(o-quinoxalinedithiolato)iron(III) analogue. <i>Inorganic Chemistry</i> , 2008 , 47, 10911-20	5.1	30
468	One- and two-electron reduced 1,2-diketone ligands in [CrIII(L*) ₃] (S = 0) and Na ₂ (Et ₂ O) ₂ [VIV(LRed) ₃] (S = 1/2). <i>Inorganic Chemistry</i> , 2008 , 47, 10935-44	5.1	43
467	One- and two-electron reduced 1,2-diketone ligands in [Zn(II)(L*) ₂ (Et ₂ O)], [Co(II)(L*) ₂ (Et ₂ O)], and Na ₂ (Et ₂ O) ₄ [Co(II)(LRed) ₂]. <i>Inorganic Chemistry</i> , 2008 , 47, 11745-54	5.1	20
466	Characterization of three members of the electron-transfer series [Fe(pda) ₂] _n (n=2-, 1-, 0) by spectroscopy and density functional theoretical calculations [pda=redox non-innocent derivatives of N,N'-bis(pentafluorophenyl)-o-phenylenediamide(2-, 1-, 0)]. <i>Chemistry - A European Journal</i> , 2008 , 14, 7103-33	4.8	40
465	Reversible electron transfer coupled to spin crossover in an iron coordination salt in the solid state. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1228-31	16.4	39
464	Transition-metal complexes with singly reduced 1,2-diketone radical ligands. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2973-7	16.4	32
463	An electron-transfer series of high-valent chromium complexes with redox non-innocent, non-heme ligands. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6384-7	16.4	64
462	A "side-on" superoxonickel complex [LNi(O ₂)] with a square-planar tetracoordinate nickel(II) center and its conversion into [LNi(mu-OH)2NiL]. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7110-3	16.4	129
461	Reversible Electron Transfer Coupled to Spin Crossover in an Iron Coordination Salt in the Solid State. <i>Angewandte Chemie</i> , 2008 , 120, 1248-1251	3.6	13
460	Transition-Metal Complexes with Singly Reduced 1,2-Diketone Radical Ligands. <i>Angewandte Chemie</i> , 2008 , 120, 3015-3019	3.6	10
459	An Electron-Transfer Series of High-Valent Chromium Complexes with Redox Non-Innocent, Non-Heme Ligands. <i>Angewandte Chemie</i> , 2008 , 120, 6484-6487	3.6	20
458	(Alpha-diimine)chromium complexes: molecular and electronic structures; a combined experimental and density functional theoretical study. <i>Inorganic Chemistry</i> , 2008 , 47, 5963-70	5.1	46
457	Neutral bis(alpha-iminopyridine)metal complexes of the first-row transition ions (Cr, Mn, Fe, Co, Ni, Zn) and their monocationic analogues: mixed valency involving a redox noninnocent ligand system. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3181-97	16.4	238
456	Molecular and electronic structure of square planar complexes [PdII(tbpy)(L N,O IP)] ₀ , [PdII(tbpy)(LN,O ISQ)](PF ₆), and [PdII(tbpy)(L N,O IBQ)](PF ₆)(BF ₄).2CH ₂ Cl ₂ : an o-aminophenolato based ligand centered, three-membered redox series. <i>Dalton Transactions</i> , 2007 , 373-8	4.3	29
455	Unusual mixed valent FeIII/FeII complex (St = 3/2) stabilised by a reduced bulky 1,2-diketone. <i>Chemical Communications</i> , 2007 , 4339-41	5.8	
454	Molecular and electronic structure of square-planar gold complexes containing two 1,2-Di(4-tert-butylphenyl)ethylene-1,2-dithiolato ligands: [Au(2L) ₂] _{1+/0/1-/2-} . A combined experimental and computational study. <i>Inorganic Chemistry</i> , 2007 , 46, 1100-11	5.1	58

453	Neutral bis(1,4-diaza-1,3-butadiene)nickel complexes and their corresponding monocations: molecular and electronic structures. A combined experimental and density functional theoretical study. <i>Dalton Transactions</i> , 2007 , 4390-8	4.3	49
452	The molecular and electronic structure of the electron transfer series $[\text{Fe}_2(\text{NO})_2(\text{S}_2\text{C}_2\text{R}_2)_3](z)$ ($z = 0, -1, -2$; R = phenyl, p-tolyl, p-tert-butylphenyl). <i>Inorganic Chemistry</i> , 2007 , 46, 2612-8	5.1	7
451	Electronic structure of neutral and monoanionic tris(benzene-1,2-dithiolato)metal complexes of molybdenum and tungsten. <i>Inorganic Chemistry</i> , 2007 , 46, 5642-50	5.1	49
450	Iron complexes of new pentadentate ligands containing the 1,4,7-triazacyclononane-1,4-diacetate motif. spectroscopic, electro-, and photochemical studies. <i>Inorganic Chemistry</i> , 2007 , 46, 2208-19	5.1	20
449	Neutral-ligand complexes of bis(imino)pyridine iron: synthesis, structure, and spectroscopy. <i>Inorganic Chemistry</i> , 2007 , 46, 7055-63	5.1	109
448	Electronic structure of nitric oxide adducts of bis(diaryl-1,2-dithiolene)iron compounds: four-membered electron-transfer series $[\text{Fe}(\text{NO})(\text{L})_2]z$ ($z = 1+, 0, 1-, 2-$). <i>Inorganic Chemistry</i> , 2007 , 46, 522-32	5.1	23
447	Dimerization processes of square planar $[\text{PtII}(\text{tbpy})(\text{dithiolato}^*)]_2^+$ radicals. <i>Inorganic Chemistry</i> , 2007 , 46, 4187-96	5.1	41
446	Characterization of a genuine iron(V)-nitrido species by nuclear resonant vibrational spectroscopy coupled to density functional calculations. <i>Journal of the American Chemical Society</i> , 2007 , 129, 11053-60 ^{16.4}		66
445	The Chemistry of 1,4,7-Triazacyclononane and Related Tridentate Macrocyclic Compounds. <i>Progress in Inorganic Chemistry</i> , 2007 , 329-436		178
444	$\text{[Carboxylatodi-}\mu\text{-Hydroxo-Bis[Triammincobalt(III)] Complexes}$. <i>Inorganic Syntheses</i> , 2007 , 107-116		1
443	Description of the ground-state covalencies of the bis(dithiolato) transition-metal complexes from X-ray absorption spectroscopy and time-dependent density-functional calculations. <i>Chemistry - A European Journal</i> , 2007 , 13, 2783-97	4.8	181
442	Electronic structures of five-coordinate complexes of iron containing zero, one, or two pi-radical ligands: a broken-symmetry density functional theoretical study. <i>Chemistry - A European Journal</i> , 2007 , 13, 8390-403	4.8	32
441	A Magnetostructural and Electrochemical Study of CuII and FeIII Complexes Containing a Tetradentate Aminebis(phenolate) Ligand with a Pendent Tetrahydrofuran Group. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 2334-2344	2.3	42
440	The monoanionic pi-radical redox state of alpha-iminoketones in bis(ligand)metal complexes of nickel and cobalt. <i>Inorganic Chemistry</i> , 2007 , 46, 7880-9	5.1	40
439	Bis(alpha-diimine)nickel complexes: molecular and electronic structure of three members of the electron-transfer series $[\text{Ni}(\text{L})_2](z)$ ($z = 0, 1+, 2+$) (L = 2-Phenyl-1,4-bis(isopropyl)-1,4-diazabutadiene). A combined experimental and theoretical study. <i>Inorganic Chemistry</i> , 2007 , 46, 5327-37	5.1	108
438	Joint spectroscopic and theoretical investigations of transition metal complexes involving non-innocent ligands. <i>Dalton Transactions</i> , 2007 , 1552-66	4.3	272
437	Electronic structures of tris(dioxolene)chromium and tris(dithiolene)chromium complexes of the electron-transfer series $[\text{Cr}(\text{dioxolene})(3)](z)$ and $[\text{Cr}(\text{dithiolene})(3)](z)$ ($z = 0, 1-, 2-, 3-$). A combined experimental and density functional theoretical study. <i>Inorganic Chemistry</i> , 2007 , 46, 7827-39	5.1	69
436	Synthese eines vierkernigen Mangan(IV)-Clusters mit Adamantan-Skelett: $[\text{C}_6\text{H}_{15}\text{N}_3]_4\text{Mn}_4\text{O}_6]^{4+}$. <i>Angewandte Chemie</i> , 2006 , 95, 320-320	3.6	12

435	[[C ₆ H ₁₅ N ₃ Fe] ₂ (ED)(ECH ₃ CO ₂) ₂] ²⁺ , ein zweikerniger Eisen(III)-Komplex vom Strukturtyp des Metazidohäberithrins. <i>Angewandte Chemie</i> , 2006 , 95, 739-740	3.6	26
434	Molecular and electronic structures of tetrahedral complexes of nickel and cobalt containing N,N'-disubstituted, bulky o-diiminobenzosemiquinonate(1-) pi-radical ligands. <i>Inorganic Chemistry</i> , 2006 , 45, 6298-307	5.1	94
433	A trinuclear complex containing MnII MnIII MnIV, radicals, quinone and chloride ligands potentially relevant to PS II. <i>Dalton Transactions</i> , 2006 , 2169-71	4.3	31
432	Octahedral non-heme oxo and non-oxo Fe(IV) complexes: an experimental/theoretical comparison. <i>Journal of the American Chemical Society</i> , 2006 , 128, 13515-28	16.4	40
431	Vibrational markers for the open-shell character of transition metal bis-dithiolenes: an infrared, resonance raman, and quantum chemical study. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4422-36	16.4	88
430	Molecular and electronic structures of oxo-bis(benzene-1,2-dithiolato)chromate(V) monoanions. A combined experimental and density functional study. <i>Inorganic Chemistry</i> , 2006 , 45, 3499-509	5.1	48
429	An octahedral coordination complex of iron(VI). <i>Science</i> , 2006 , 312, 1937-41	33.3	253
428	Dinuclear Bis(1,2-diaryl-1,2-ethylenedithiolato)iron complexes: [FeIII ₂ (L) ₄] _n (n = 2-, 1-, 0, 1+). <i>Inorganic Chemistry</i> , 2006 , 45, 6541-8	5.1	28
427	Electronic structure of mononuclear bis(1,2-diaryl-1,2-ethylenedithiolato)iron complexes containing a fifth cyanide or phosphite ligand: a combined experimental and computational study. <i>Inorganic Chemistry</i> , 2006 , 45, 7877-90	5.1	29
426	Effect of N-methylation of macrocyclic amine ligands on the spin state of iron(III): a tale of two fluoro complexes. <i>Inorganic Chemistry</i> , 2006 , 45, 2027-37	5.1	40
425	Electronic structure of bis(imino)pyridine iron dichloride, monochloride, and neutral ligand complexes: a combined structural, spectroscopic, and computational study. <i>Journal of the American Chemical Society</i> , 2006 , 128, 13901-12	16.4	425
424	The electronic structure of the isoelectronic, square-planar complexes [FeII(L) ₂] ²⁻ and [CoIII(L Bu) ₂] ⁻ (L ₂ ⁻ and (L Bu) ₂ ⁼ benzene-1,2-dithiolates): an experimental and density functional theoretical study. <i>Journal of the American Chemical Society</i> , 2005 , 127, 4403-15	16.4	161
423	Magnetic interactions in dinuclear Mn(III)Mn(IV) complexes covalently tethered to organic radicals: spectroscopic models for the S(2)Y(z)(*) state of photosystem II. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6095-108	16.4	21
422	Redox-noninnocence of the S,S'-coordinated ligands in bis(benzene-1,2-dithiolato)iron complexes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 5641-54	16.4	100
421	Molecular and electronic structure of five-coordinate complexes of iron(II/III) containing o-diiminobenzosemiquinonate(1-) pi radical ligands. <i>Inorganic Chemistry</i> , 2005 , 44, 7087-98	5.1	76
420	Tuning of spin transition in radical-containing iron(III) complexes by remote ligand substituents. <i>Inorganic Chemistry</i> , 2005 , 44, 7099-108	5.1	62
419	Octahedral non-heme non-oxo Fe(IV) species stabilized by a redox-innocent N-methylated cyclam-acetate ligand. <i>Journal of the American Chemical Society</i> , 2005 , 127, 11550-1	16.4	54
418	Electronic structure of square planar bis(benzene-1,2-dithiolato)metal complexes [M(L) ₂](z) (z = 2-, 1-, 0; M = Ni, Pd, Pt, Cu, Au): an experimental, density functional, and correlated ab initio study. <i>Inorganic Chemistry</i> , 2005 , 44, 5345-60	5.1	243

4 ¹⁷	Biomimetic metal-radical reactivity: aerial oxidation of alcohols, amines, aminophenols and catechols catalyzed by transition metal complexes. <i>Biological Chemistry</i> , 2005 , 386, 1023-33	4.5	96
4 ¹⁶	Square planar vs tetrahedral coordination in diamagnetic complexes of nickel(II) containing two bidentate pi-radical monoanions. <i>Inorganic Chemistry</i> , 2005 , 44, 3636-56	5.1	107
4 ¹⁵	The geometric and electronic structure of [(cyclam-acetato)Fe(N)] ⁺ : a genuine iron(v) species with a ground-state spin S = 1/2. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2908-12	16.4	134
4 ¹⁴	The Geometric and Electronic Structure of [(cyclam-acetato)Fe(N)] ⁺ : A Genuine Iron(V) Species with a Ground-State Spin S=1/2. <i>Angewandte Chemie</i> , 2005 , 117, 2968-2972	3.6	37
4 ¹³	High-field EPR investigations of Mn(III)Mn(IV) and Mn(II)Mn(III) states of dimanganese catalase and related model systems. <i>Magnetic Resonance in Chemistry</i> , 2005 , 43 Spec no., S51-64	2.1	34
4 ¹²	Structural characterization of four members of the electron-transfer series [PdII(L)2]2 ⁿ (L = o-Iminophenolate derivative; n = 2-, 1-, 0, 1+, 2+). ligand mixed valency in the monocation and monoanion with S = (1)/(2) ground states. <i>Inorganic Chemistry</i> , 2005 , 44, 3709-17	5.1	81
4 ¹¹	Tetradentate bis(o-aminobenzosemiquinonate(1-)) pi radical ligands and their o-aminophenolate(1-) derivatives in complexes of nickel(II), palladium(II), and copper(II). <i>Inorganic Chemistry</i> , 2004 , 43, 2922-31	5.1	91
4 ¹⁰	Chloride ligation in inorganic manganese model compounds relevant to photosystem II studied using X-ray absorption spectroscopy. <i>Journal of Biological Inorganic Chemistry</i> , 2004 , 9, 247-55	3.7	9
4 ⁰⁹	Asymmetric Heterodinuclear FeIIIMII (M = Zn, Cu, Ni, Fe, Mn), CoIIIFeII and FeIICoIII Species: Synthesis, Structure, Redox Behavior, and Magnetism. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 984-997	2.3	41
4 ⁰⁸	Nonoxovanadium(IV) and oxovanadium(V) complexes with mixed O, X, O-donor ligands (X = S, Se, P, or PO). <i>Inorganic Chemistry</i> , 2004 , 43, 7324-38	5.1	77
4 ⁰⁷	Spectroscopic identification of different types of copper centers generated in synthetic four-helix bundle proteins. <i>Journal of the American Chemical Society</i> , 2004 , 126, 14389-99	16.4	35
4 ⁰⁶	Dinuclear and mononuclear manganese(IV)-radical complexes and their catalytic catecholase activity. <i>Dalton Transactions</i> , 2004 , 3842-53	4.3	134
4 ⁰⁵	Aerial oxidation of primary alcohols and amines catalyzed by Cu(II) complexes of 2,2'-selenobis(4,6-di-tert-butylphenol) providing [O,Se,O]-donor atoms. <i>Dalton Transactions</i> , 2004 , 2092-101	4.3	56
4 ⁰⁴	N,N-coordinated pi radical anions of S-methyl-1-phenyl-isothiosemicarbazide in two five-coordinate ferric complexes [Fe III(L Me*)(2)X] (X = CH3S-, Cl-). <i>Inorganic Chemistry</i> , 2004 , 43, 2324-9	5.1	29
4 ⁰³	Coordination chemistry of 2-(8-aminoquinolino)-4,6-di-tert-butylphenol with manganese(IV), iron(III), and cobalt(II/III):N,O-coordinated o-aminobenzosemiquinonate(1-) pi radical monoanions vs.o-aminophenolate(2-) dianions. <i>Dalton Transactions</i> , 2004 , 178-86	4.3	24
4 ⁰²	Structural, spectroscopic, and computational study of an octahedral, non-heme [Fe-NO](6-8) Series: [Fe(NO)(cyclam-ac)]2 ^{+/+0} . <i>Journal of the American Chemical Society</i> , 2004 , 126, 5138-53	16.4	183
4 ⁰¹	Molecular and electronic structure of four- and five-coordinate cobalt complexes containing two o-phenylenediamine- or two o-aminophenol-type ligands at various oxidation levels: an experimental, density functional, and correlated ab initio study. <i>Chemistry - A European Journal</i> , 2004 , 11, 204-24	4.8	196
4 ⁰⁰	Analysis and interpretation of metal-radical coupling in a series of square planar nickel complexes: correlated Ab initio and density functional investigation of [Ni(L(ISQ))(2)] (L(ISQ)=3,5-di-tert-butyl-o-diiminobenzosemiquinonate(1-)). <i>Journal of the American Chemical Society</i> , 2003 , 125, 10007-1005	16.4	264

- 399 Exchange Interactions and Covalency in Dinuclear Complexes of Iron(III) and Gallium(III) Containing the Redox-Noninnocent Ligand 1,2-Bis(3,5-di-tert-butyl-2-hydroxyphenyl)oxamide. *European Journal of Inorganic Chemistry*, **2003**, 2003, 1768-1777 2.3 12
- 398 Single-Atom O-Bridged Urea in a Dinickel(II) Complex together with NiII4, CuII2 and CuII4 Complexes of a Pentadentate Phenol-Containing Schiff Base with (O,N,O,N,O)-Donor Atoms. *European Journal of Inorganic Chemistry*, **2003**, 2003, 863-875 2.3 124
- 397 Koordinierte o-Dithio- und o-Iminothiobenzosemichinonat(1-) Radikale in [MII(bpy)(L.)(PF6)-Komplexen. *Angewandte Chemie*, **2003**, 115, 581-585 3.6 24
- 396 Coordinated o-dithio- and o-iminothiobenzosemiquinonato(1-) pi radicals in [MII(bpy)(L*)(PF6) complexes. *Angewandte Chemie - International Edition*, **2003**, 42, 563-7 16.4 78
- 395 Molecular and electronic structures of iron complexes containing N,S-coordinated, open-shell o-iminothiobenzosemiquinonato(1-) pi radicals. *Journal of the American Chemical Society*, **2003**, 125, 3967-79 16.4 55
- 394 $S = (3)/2$ $S = (1)/2$ spin crossover behavior in five-coordinate halido- and pseudohalido-bis(o-iminobenzosemiquinonato)iron(III) complexes. *Inorganic Chemistry*, **2003**, 42, 5612-20^{5.1} 67
- 393 Molecular and electronic structures of bis(o-diiminobenzosemiquinonato)metal(II) complexes (Ni, Pd, Pt), their monocations and -anions, and of dimeric dications containing weak metal-metal bonds. *Journal of the American Chemical Society*, **2003**, 125, 9116-28 16.4 209
- 392 Noninnocence of the ligand glyoxal-bis(2-mercaptoanil). The electronic structures of [Fe(gma)]2, [Fe(gma)(py)] x py, [Fe(gma)(CN)]1-/0, [Fe(gma)I], and [Fe(gma)(PR3)(n)] (n = 1, 2). Experimental and theoretical evidence for "excited state" coordination. *Journal of the American Chemical Society*, **2003**, 125, 1293-303 16.4 87
- 391 Do S,S'-coordinated o-dithiobenzosemiquinonato(1-) radicals exist in coordination compounds? the [AuIII(1,2-C6H4S2)2]1-/0 couple. *Inorganic Chemistry*, **2003**, 42, 4082-7 5.1 90
- 390 Mixed-valent [FeIV(mu-O)(mu-carboxylato)2FeIII]3+ core. *Journal of the American Chemical Society*, **2003**, 125, 15554-70 16.4 75
- 389 Dinuclear cyano complexes of cobalt(III) and Iron(III) containing noninnocent 1,2,4,5-tetrakis(2-pyridinecarboxamido)benzene bridging ligands. *Inorganic Chemistry*, **2003**, 42, 1045-56^{5.1} 40
- 388 Multifrequency EPR Investigation of Dimanganese Catalase and Related Mn(III)Mn(IV) Complexes. *Journal of Physical Chemistry B*, **2003**, 107, 1242-1250 3.4 56
- 387 Molecular and electronic structures of iron(II)/(III) complexes containing N,S-coordinated, closed-shell o-aminothiophenolato(1-) and o-iminothiophenolato(2-) ligands. *Inorganic Chemistry*, **2003**, 42, 3208-15 5.1 41
- 386 Electronic structure of linear thiophenolate-bridged heteronuclear complexes [LFeMFeL](n)(+) (M = Cr, Co, Fe; n = 1-3): a combination of kinetic exchange interaction and electron delocalization. *Journal of the American Chemical Society*, **2003**, 125, 12615-30 16.4 15
- 385 A unique series of dinuclear transition metal-polyradical complexes with a m-phenylenediamine spacer and their catalytic reactivity. *Chemical Communications*, **2003**, 1828-9 5.8 48
- 384 O,N-Coordinated o-iminobenzoquinone and o-iminobenzosemiquinonato(1-) ligands in complexes of Ni(II), Co(III) and Fe(III). *Dalton Transactions*, **2003**, 1126-1132 4.3 30
- 383 The molecular and electronic structure of [FeIII2(t-buLISQ)4(ED)]⁸⁺ dinuclear ferric complex containing four, O,N-coordinated o-iminobenzosemiquinonato(1-) radical anions. *Dalton Transactions*, **2003**, 3483-3485 4.3 26
- 382 Manganese complexes of mixed O, X, O-donor ligands (X = S or Se): synthesis, characterization and catalytic reactivity. *Dalton Transactions*, **2003**, 3136-3144 4.3 39

381	Electronic and Molecular Structure Studies of a (Bio)Inorganic Complex I A Multi-Technique Approach 2003 , 183-198		1
380	Cobalt(II)/(III) Complexes Containing o-Iminothiobenzosemiquinonato(1-) and o-Iminobenzosemiquinonato(1-) Radical Ligands. <i>European Journal of Inorganic Chemistry</i> , 2002 , 2002, 1957-1967	2.3	63
379	Long-distance magnetic interaction between a Mn(III)Mn(IV) (S=1/2) core and an organic radical: a spectroscopic model for the S(2)Y(Z). state of photosystem II. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4775-9	16.4	12
378	Mono- and dinuclear (o-thioetherphenolato)-copper(II) complexes. Structural models for galactose oxidase. <i>Inorganica Chimica Acta</i> , 2002 , 331, 81-89	2.7	48
377	(Hydroxo)bis(Acetato)dimetal complexes: structural and magnetochemical characterization of the Cr(III)Ni(II) and the Cr(III)Cr(III) species. <i>Inorganica Chimica Acta</i> , 2002 , 339, 71-76	2.7	10
376	Electronic and Molecular Structure Studies of a (Bio)Inorganic Complex I A Multi-Technique Approach. <i>Hyperfine Interactions</i> , 2002 , 144/145, 183-198	0.8	3
375	Phenoxy Radical Complexes. <i>Progress in Inorganic Chemistry</i> , 2002 , 151-216		72
374	Octahedral (cis-cyclam)iron(III) complexes with O,N-coordinated o-iminosemiquinonato(1-) pi radicals and o-imidophenolato(2-) anions. <i>Inorganic Chemistry</i> , 2002 , 41, 5091-9	5.1	64
373	Polynuclear complexes of the pendent-arm ligand 1,4,7-tris(acetophenoneoxime)-1,4,7-triazacyclononane. <i>Inorganic Chemistry</i> , 2002 , 41, 4405-16	5.1	58
372	o-Iminobenzosemiquinonato(1-) and o-amidophenolato(2-) complexes of palladium(II) and platinum(II): a combined experimental and density functional theoretical study. <i>Inorganic Chemistry</i> , 2002 , 41, 4295-303	5.1	117
371	o-Iminobenzosemiquinonato complexes of Mn(III) and Mn(IV). Synthesis and characterization of [Mn(III)(L(ISQ))(2)(L(AP))] (S(t) = 1) and [Mn(IV)(L(ISQ))(2)(L(AP)-H)] (S(t) = 1/2). <i>Inorganic Chemistry</i> , 2002 , 41, 790-5	5.1	89
370	Kinetics, mechanism, and spectroscopy of the reversible binding of nitric oxide to aquated iron(II). An undergraduate text book reaction revisited. <i>Inorganic Chemistry</i> , 2002 , 41, 4-10	5.1	129
369	Tuning the electronic structure of octahedral iron complexes [FeL(X)] (L = 1-alkyl-4,7-bis(4-tert-butyl-2-mercaptobenzyl)-1,4,7-triazacyclononane, X = Cl, CH(3)O, CN, NO). The S = 1/2 3/2 Spin equilibrium of [FeL(Pr)(NO)]. <i>Inorganic Chemistry</i> , 2002 , 41, 3444-56	5.1	100
368	Theoretical evidence for the singlet diradical character of square planar nickel complexes containing two o-semiquinonato type ligands. <i>Inorganic Chemistry</i> , 2002 , 41, 4179-93	5.1	284
367	The methanol-methanolate CH(3)OH...OCH(3)(-) bridging ligand: tuning of exchange coupling by hydrogen bonds in dimethoxy-bridged dichromium(III) complexes. <i>Inorganic Chemistry</i> , 2002 , 41, 6538-40	5.1	40
366	Feineinstellung der Elektronenstruktur in Halogenobis(o-iminobenzosemichinato)eisen(III)-Komplexen. <i>Angewandte Chemie</i> , 2001 , 113, 2552-2555	3.6	14
365	The symmetry-broken formalism applied to the electronic structure of an iminosemiquinone copper(II) catalyst: a key to the qualitative understanding of its reactivity. <i>Chemistry - A European Journal</i> , 2001 , 7, 404-15	4.8	16
364	Tuning the Electronic Structure of Halidobis(o-imino-benzosemiquinonato)iron(III) Complexes. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2489-2492	16.4	100

- 363 Electronic structure of bis(o-iminobenzosemiquinonato)metal complexes (Cu, Ni, Pd). The art of establishing physical oxidation states in transition-metal complexes containing radical ligands. *Journal of the American Chemical Society*, **2001**, 123, 2213-23 16.4 508
- 362 Experimental evidence for the noninnocence of o-aminothiophenolates: coordination chemistry of o-iminothionebenzosemiquinonate(1-) pi-radicals with Ni(II), Pd(II), Pt(II). *Journal of the American Chemical Society*, **2001**, 123, 10012-23 16.4 148
- 361 Molecular and electronic structure of octahedral o-aminophenolato and o-iminobenzosemiquinonato complexes of V(V), Cr(III), Fe(III), and Co(III). Experimental determination of oxidation levels of ligands and metal ions. *Inorganic Chemistry*, **2001**, 40, 4157-66 5.1 168
- 360 The electronic structure of non-heme iron(III)-hydroperoxo and iron(III)-peroxo model complexes studied by Mössbauer and electron paramagnetic resonance spectroscopies. *Inorganic Chemistry*, **2001**, 40, 6538-40 5.1 58
- 359 De novo design and characterization of copper centers in synthetic four-helix-bundle proteins. *Journal of the American Chemical Society*, **2001**, 123, 2186-95 16.4 66
- 358 Molecular and electronic structure of [Mn(V)N(cyclam-acetato)]PF₆. A combined experimental and DFT study. *Inorganic Chemistry*, **2001**, 40, 4191-8 5.1 19
- 357 Tris(pyridinealdoximato)metal complexes as ligands for the synthesis of asymmetric heterodinuclear Cr(III)M species [M = Zn(II), Cu(II), Ni(II), Fe(II), Mn(II), Cr(II), Co(III)]: a magneto-structural study. *Inorganic Chemistry*, **2001**, 40, 6656-65 5.1 71
- 356 Metal-to-ligand electron transfer in diiminopyridine complexes of Mn-Zn. A theoretical study. *Inorganic Chemistry*, **2001**, 40, 4649-55 5.1 134
- 355 Long-range exchange interactions and integer-spin S(t) = 2 EPR spectra of a Cr(III)Zn(II)Cr(III) species with multiplet mixing. *Inorganic Chemistry*, **2001**, 40, 1160-6 5.1 32
- 354 Phenylthiyl radical complexes of gallium(III), iron(III), and cobalt(III) and comparison with their phenoxy analogues. *Journal of the American Chemical Society*, **2001**, 123, 6025-39 16.4 105
- 353 Reductive Nitrosylation of V₂O₅ and MoO₃ with Hydroxylamine in the Presence of 1,4,7-Triazacyclononane. *Collection of Czechoslovak Chemical Communications*, **2001**, 66, 125-138 13
- 352 Molecular and Electronic Structure of Two Linear Thiophenolate-Bridged Heterotrinnuclear Complexes [LFeRuFeL]₂₊₃₊ (L = 1,4,7-Tris(4-tert-butyl-2-mercaptobenzyl)-1,4,7-triazacyclononane). *European Journal of Inorganic Chemistry*, **2000**, 2000, 133-144 2.3 8
- 351 Integer-Spin Multifrequency EPR Spectroscopy of a Ferromagnetically Coupled, Oxo-Bridged MnIVMnIV Model Complex. *Angewandte Chemie*, **2000**, 112, 3010-3012 3.6 2
- 350 Integer-Spin Multifrequency EPR Spectroscopy of a Ferromagnetically Coupled, Oxo-Bridged Mn(IV)Mn(IV) Model Complex We thank Dr. S. Gambarelli for the Q-band EPR spectrum. *Angewandte Chemie - International Edition*, **2000**, 39, 2888-2890 16.4 19
- 349 Phenoxy radical complexes of chromium(III), manganese(III), cobalt(III), and nickel(II). *Inorganica Chimica Acta*, **2000**, 297, 265-277 2.7 79
- 348 Mononuclear (nitrido)iron(V) and (oxo)iron(IV) complexes via photolysis of [(cyclam-acetato)FeIII(N₃)]⁺ and ozonolysis of [(cyclam-acetato)FeIII(O₃SCF₃)]⁺ in water/acetone mixtures. *Inorganic Chemistry*, **2000**, 39, 5306-17 5.1 274
- 347 The Electronic Structures of an Isostructural Series of Octahedral Nitrosyliron Complexes {FeNO}_{6,7,8} Elucidated by Mössbauer Spectroscopy. *Journal of the American Chemical Society*, **2000**, 122, 4352-4365 16.4 132
- 346 Molecular and electronic structure of nitridocyanometalates of chromium(V) and manganese(V): a combined experimental and DFT study. *Inorganic Chemistry*, **2000**, 39, 930-8 5.1 50

345	Anilino Radical Complexes of Cobalt(III) and Manganese(IV) and Comparison with Their Phenoxyl Analogues. <i>Journal of the American Chemical Society</i> , 2000 , 122, 9663-9673	16.4	69
344	1,2-bis(pyridine-2-carboxamido)benzenate(2-), (bpb)2-: a noninnocent ligand. Syntheses, structures, and mechanisms of formation of [(n-Bu)4N][FeIV2(mu-N)(bpb)2(X)2] (X = CN-, N3-) and the electronic structures of [MIII(bpbox1)(CN)2] (M = Co, Fe). <i>Inorganic Chemistry</i> , 2000 , 39, 3355-64	5.1	91
343	Molecular and electronic structures of bis(pyridine-2,6-diimine)metal complexes [ML2](PF6)n (n = 0, 1, 2, 3; M = Mn, Fe, Co, Ni, Cu, Zn). <i>Inorganic Chemistry</i> , 2000 , 39, 2936-47	5.1	286
342	Synthesis and characterization of tris(bipyridyl)ruthenium(II)-modified mono-, di-, and trinuclear manganese complexes as electron-transfer models for photosystem II. <i>Inorganic Chemistry</i> , 2000 , 39, 105-16	5.1	60
341	The molecular and electronic structure of the asymmetric, trinuclear complex [LFeIII(EO)(Epiv)2FeIII(OH)(Epiv)2FeIII(piv)2]C6H5CH3 (L=1,4,7-trimethyl-1,4,7-triazacyclononane, piv=pivalate(1-)). <i>Inorganica Chimica Acta</i> , 1999 , 291, 258-265	2.7	12
340	Ein paramagnetischer Kupfer(III)-Komplex mit oktaedrischem CuIIIS6-Koordinationspolyeder. <i>Angewandte Chemie</i> , 1999 , 111, 370-372	3.6	9
339	Aerobe Oxidation primärer Alkohole mit einem neuen einkernigen CuII-Radikal-Katalysator. <i>Angewandte Chemie</i> , 1999 , 111, 1165-1168	3.6	42
338	Das gemischtvalente (μNitrido)dimangan-Anion [(CN)5MnV(μN)MnII(CN)5]6-. <i>Angewandte Chemie</i> , 1999 , 111, 2932-2935	3.6	2
337	Control of Iron(II) Spin States in 2,2':6',2''-Terpyridine Complexes through Ligand Substitution. <i>Chemistry - A European Journal</i> , 1999 , 5, 498-508	4.8	125
336	The Molecular and Electronic Structure of Symmetrically and Asymmetrically Coordinated, Non-Heme Iron Complexes Containing [FeIII(μN)FeIV]4+ (S=3/2) and [FeIV(μN)FeIV]5+ (S=0) Cores. <i>Chemistry - A European Journal</i> , 1999 , 5, 793-810	4.8	57
335	The Molecular and Electronic Structure of Octahedral Tris(phenolato)iron(III) Complexes and Their Phenoxyl Radical Analogues: A Mössbauer and Resonance Raman Spectroscopic Study. <i>Chemistry - A European Journal</i> , 1999 , 5, 2554-2565	4.8	55
334	A Paramagnetic Copper(III) Complex Containing an Octahedral Cu S Coordination Polyhedron. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 359-361	16.4	41
333	Aerobic Oxidation of Primary Alcohols by a New Mononuclear Cu(II) -Radical Catalyst. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 1095-8	16.4	236
332	The Mixed-Valent (μNitrido)dimanganese Complex Anion [(CN)5MnV(μN)MnII(CN)5]6-. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2766-2768	16.4	7
331	Redox Chemistry of (1,4,7-Tris(4-tert-butyl-2-mercaptobenzyl)-1,4,7-triazacyclononane)ruthenium(III), [Ru(III)L]: Synthesis and Characterization of [Ru(II)(2)(L-L)](BPh(4))(4).10CH(3)CN and [LRuRuRuL](PF(6))(2).H(2)O. <i>Inorganic Chemistry</i> , 1999 , 38, 5131-5138	5.1	31
330	Photolysis of cis- and trans-[FeIII(cyclam)(N3)2]+ Complexes: Spectroscopic Characterization of a Nitridoiron(V) Species. <i>Journal of the American Chemical Society</i> , 1999 , 121, 4859-4876	16.4	186
329	[Tris(o-iminosemiquinone)cobalt(III)] radical complex with an S = 3/2 ground state. <i>Chemical Communications</i> , 1999 , 1747-1748	5.8	92
328	Electronic Structure of Linear Thiophenolate-Bridged Heterotrinnuclear Complexes [LFeMFeL]n+ (M = Cr, Co, Fe; n = 1B): Localized vs Delocalized Models. <i>Journal of the American Chemical Society</i> , 1999 , 121, 2193-2208	16.4	76

- 327 Sn(III) and Ge(III) in the Thiophenolato-Bridged Complexes [LFeSnFeL]_n⁺ and [LFeGeFeL]_n⁺ (n = 2, 3; L = 1,4,7-(4-tert-Butyl-2-mercaptobenzyl)-1,4,7-triazacyclononane). *Inorganic Chemistry*, **1999**, 38, 2632-2642 ^{5.1} 28
- 326 Aerobic Oxidation of Primary Alcohols (Including Methanol) by Copper(II) and Zinc(II) Phenoxyl Radical Catalysts. *Journal of the American Chemical Society*, **1999**, 121, 9599-9610 16.4 342
- 325 Intramolecular Spin Interactions in Bis(phenoxyl)metal Complexes of Zinc(II) and Copper(II). *Inorganic Chemistry*, **1999**, 38, 5795-5802 5.1 80
- 324 Intramolecular Electron Transfer from Mn or Ligand Phenolate to Photochemically Generated Ru(II) in Multinuclear Ru/Mn Complexes. Laser Flash Photolysis and EPR Studies on Photosystem II Models. *Journal of the American Chemical Society*, **1999**, 121, 10781-10787 16.4 71
- 323 Ligand-Based Redox Isomers of [Zn(II)(C(28)H(40)NO(2))(2)]: Molecular and Electronic Structures of a Diamagnetic Green and a Paramagnetic Red Form. *Inorganic Chemistry*, **1999**, 38, 2781-2790 5.1 66
- 322 Spin-Dependent Delocalization in Three Isostructural Complexes [LFeNiFeL](2+/3+/4+) (L = 1,4,7-(4-tert-Butyl-2-mercaptobenzyl)-1,4,7-triazacyclononane). *Inorganic Chemistry*, **1999**, 38, 722-732 5.1 44
- 321 Control of Iron(II) Spin States in 2,2':6',2''-Terpyridine Complexes through Ligand Substitution **1999**, 5, 498 6
- 320 Exchange coupling across multiple-atom bridges: crystal structure and magnetic properties of a chloranilate bridged dicopper(II) complex. *Inorganica Chimica Acta*, **1998**, 274, 111-114 2.7 13
- 319 NMR spectra of dinuclear manganese and iron compounds containing 1,4,7-triazacyclononane and 1,4,7-trimethyl-1,4,7-triazacyclononane. *Inorganica Chimica Acta*, **1998**, 268, 43-48 2.7 23
- 318 Warum hat die aktive Form der Galactose-Oxidase einen diamagnetischen Grundzustand?. *Angewandte Chemie*, **1998**, 110, 637-640 3.6 17
- 317 Vom Strukturmodell der Galactose-Oxidase zur homogenen Katalyse: effiziente aerobe Oxidation von Alkoholen. *Angewandte Chemie*, **1998**, 110, 2340-2343 3.6 58
- 316 Why Does the Active Form of Galactose Oxidase Possess a Diamagnetic Ground State?. *Angewandte Chemie - International Edition*, **1998**, 37, 616-619 16.4 83
- 315 From Structural Models of Galactose Oxidase to Homogeneous Catalysis: Efficient Aerobic Oxidation of Alcohols. *Angewandte Chemie - International Edition*, **1998**, 37, 2217-2220 16.4 223
- 314 Synthesis and characterization of the asymmetrically coordinated dinuclear complex [L(Ph₂acac)Fe(II)](ED){Fe(III)(Cl₄-cat)L}(ClO₄) and its one-electron reduced and oxidized forms. Models for dinuclear non-heme active sites. *Journal of Biological Inorganic Chemistry*, **1998**, 3, 96-106 3.7 6
- 313 Electronic Structure of Antiferromagnetically Coupled Dinuclear Manganese (Mn(III)Mn(IV)) Complexes Studied by Magnetic Resonance Techniques. *Journal of the American Chemical Society*, **1998**, 120, 13104-13120 16.4 107
- 312 Nitridomanganese(V) and -(VI) Complexes Containing Macrocyclic Amine Ligands. *Journal of the American Chemical Society*, **1998**, 120, 7260-7270 16.4 81
- 311 Molecular and Electronic Structure of Nitridochromium(V) Complexes with Macrocyclic Amine Ligands. *Inorganic Chemistry*, **1998**, 37, 5180-5188 5.1 61
- 310 Ruthenium Complexes Containing "Noninnocent" o-Benzoquinone Diimine/o-Phenylenediamide(2-) Ligands. Synthesis and Crystal Structure of the Nitrido-Bridged Complex [LRu(o-C(6)H(4)(NH(2)))₂(N)](PF₆)₂.3CH₃CN.C(6)H(5)CH(3). *Inorganic Chemistry*, **1998**, 37, 2548 5.1 69

309	Competing Exchange Interactions and Ground-State Variability: Linear Homo- and Heterotrinnuclear Manganese(III, IV) Complexes with Tris(dimethylglyoximate)metalate(II) Tetraanions as Bridging Ligands. <i>Inorganic Chemistry</i> , 1998 , 37, 2000-2008	5.1	62
308	Encapsulation by a Chromium(III)-Containing Bicyclic Ligand Cage. Synthesis, Structures, and Physical Properties of Heterometal Complexes Cr ^{III} MCr ^{III} [M = (H ⁺) ₂ , Li(I), Mg(II), Cu(II), Ni(II), Ni(IV), Co(III), Fe(II), Fe(III), Mn(II)]. <i>Inorganic Chemistry</i> , 1998 , 37, 1009-1020	5.1	75
307	Nitridocyanometalates of CrV, MnV, and MnVI. <i>Inorganic Chemistry</i> , 1998 , 37, 1767-1775	5.1	90
306	Resonance Raman Spectroscopic Study of Phenoxy Radical Complexes. <i>Journal of the American Chemical Society</i> , 1998 , 120, 2352-2364	16.4	69
305	The Electronic Structure of Linear Thiophenolate-Bridged Heterotrinnuclear Complexes: Localized versus Delocalized Models. <i>ACS Symposium Series</i> , 1998 , 314-331	0.4	5
304	Molecular and electronic structure of a mixed-valent class II, dinuclear complex containing a linear [Fe ^{II} Be ^{III}] ₃ +core. <i>Chemical Communications</i> , 1997 , 705-706	5.8	2
303	Synthesis, Structure, Magnetism, and Spectroscopic Properties of Some Mono- and Dinuclear Nickel Complexes Containing Noninnocent Pentane-2,4-dione Bis(S-alkylisothiosemicarbazonate)-Derived Ligands. <i>Inorganic Chemistry</i> , 1997 , 36, 661-669	5.1	26
302	Exchange Coupling in an Isostructural Series of Face-Sharing Biocahedral Complexes [LM(II)(X) ₃ M(II)L]BPh ₄ (M = Mn, Fe, Co, Ni, Zn; X = Cl, Br; L = 1,4,7-Trimethyl-1,4,7-triazacyclononane). <i>Inorganic Chemistry</i> , 1997 , 36, 2834-2843	5.1	51
301	Phenoxy Radical Complexes of Zinc(II). <i>Journal of the American Chemical Society</i> , 1997 , 119, 8889-8900	16.4	149
300	Metal- versus Ligand-Centered Oxidations in Phenolato-Vanadium and -Cobalt Complexes: Characterization of Phenoxy-Cobalt(III) Species. <i>Inorganic Chemistry</i> , 1997 , 36, 3702-3710	5.1	57
299	Linear trinuclear oximate-bridged complexes Mn ^{III} , IVMn ^{III} , IV (M = Zn, Cu or Mn): synthesis, structure, redox behaviour and magnetism. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997 , 4529-4538		49
298	Phenoxy-copper(II) complexes: models for the active site of galactose oxidase. <i>Journal of Biological Inorganic Chemistry</i> , 1997 , 2, 444-453	3.7	99
297	Phenoxy radical complexes of gallium, scandium, iron and manganese. <i>Chemistry - A European Journal</i> , 1997 , 3, 308-19	4.8	98
296	Radicals in Aqueous Solution from Fe(III) Complexes with Macrocyclic Ligands Containing Phenolates 1997 , 133-144		1
295	Phenoxy radical complexes of chromium(III). <i>Chemical Communications</i> , 1996 , 1671-1672	5.8	54
294	Moderately strong antiferromagnetic exchange coupling in a dinuclear complex containing a μ -hydroxo- μ -carboxylatodicopper(II) core. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996 , 247-248		29
293	Temperature Dependence of the Electron Transfer in a Mn(II)Mn(III)(OH) Mixed-Valence Manganese Complex. <i>Inorganic Chemistry</i> , 1996 , 35, 6916-6917	5.1	19
292	Synthesis and Characterization of Six-Coordinate Nitrido Complexes of Vanadium(V), Chromium(V), and Manganese(V). Isolation of a Dinuclear, Mixed-Valent μ -Nitrido Chromium(III)/Chromium(V) Species. <i>Inorganic Chemistry</i> , 1996 , 35, 906-915	5.1	53

291	Mössbauer Spectroscopy of Spin-Coupled Iron-Chromium Complexes: Hydroxo-Bis(Acetato)-Bridged Iron(2+)-Chromium(3+) and Oxobis(Acetato)-Bridged Iron(3+)-Chromium(3+). <i>Journal of the American Chemical Society</i> , 1996 , 118, 7542-7550	16.4	22
290	Exchange Coupling in Symmetrically syn,syn-Mono(carboxylato)-Bridged Dinuclear Copper(II) Complexes. <i>Inorganic Chemistry</i> , 1996 , 35, 2704-2707	5.1	41
289	Excited-State Distortions and Electron Delocalization in Mixed-Valence Dimers: Vibronic Analysis of the Near-IR Absorption and Resonance Raman Profiles of [Fe(2)(OH)(3)(tmtacn)(2)](2+). <i>Inorganic Chemistry</i> , 1996 , 35, 4323-4335	5.1	73
288	Exchange and Double-Exchange Phenomena in Linear Homo- and Heterotrinnuclear Nickel(II,III,IV) Complexes Containing Six β -Phenolato or β -Thiophenolato Bridging Ligands. <i>Journal of the American Chemical Society</i> , 1996 , 118, 12376-12390	16.4	84
287	Excited-State Contributions to Ground-State Properties of Mixed-Valence Dimers: Spectral and Electronic-Structural Studies of [Fe ₂ (OH) ₃ (tmtacn) ₂] ²⁺ Related to the [Fe ₂ S ₂] ⁺ Active Sites of Plant-Type Ferredoxins. <i>Journal of the American Chemical Society</i> , 1996 , 118, 8085-8097	16.4	147
286	Mono- and Dinuclear Transition Metal Complexes of the Hexadentate Ligand Tris(4-tert-butyl-2-mercaptobenzyl)-1,4,7-triazacyclononane (L). <i>Inorganic Chemistry</i> , 1996 , 35, 3936-3947 ^{5.1}	5.1	49
285	Co-ordination chemistry of 1,4-bis(o-aminobenzyl)-1,4-diazacyclohexane (L) with nickel(II), copper(II) and palladium(II). <i>Journal of the Chemical Society Dalton Transactions</i> , 1996 , 1659-1668		9
284	First-row transition-metal complexes of mixed β pendant-arm derivatives of 1,4,7-triazacyclononane containing phenolate and carboxylate functional groups. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996 , 4409-4416		23
283	Die [Mn ^{2IV} (ED)(EP _h BO ₂) ₂] ²⁺ -Einheit: ein neues Strukturmodell für manganhaltige Metalloproteine. <i>Angewandte Chemie</i> , 1996 , 108, 1653-1656	3.6	18
282	EPR and 55Mn cw-ENDOR study of an antiferromagnetically coupled dinuclear manganese (Mn ^{III} Mn ^{IV}) complex. <i>Chemical Physics Letters</i> , 1996 , 261, 272-276	2.5	17
281	A structural and magnetochemical study of some copper(II) complexes containing the ligands 1,4,7-triazacyclononane-N-acetate (L1) and N-(2-hydroxybenzyl)-1,4,7-triazacyclononane (HL2). <i>Inorganica Chimica Acta</i> , 1996 , 246, 387-394	2.7	33
280	The First (OH)-Bridged Model Complex for the Mixed-Valent Fe ^{II} Fe ^{III} Form of Hemerythrin. <i>Angewandte Chemie International Edition in English</i> , 1996 , 34, 2642-2645		40
279	The [Mn(ED)(EP _h BO ₂) ₂] ²⁺ Unit: A New Structural Model for Manganese-Containing Metalloproteins. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 1552-1554		58
278	Linkage isomerism in exchange coupled dinuclear Ni(II) complexes with three azide bridges; tris(β ,1-azido) versus tris(β ,3-azido) binding. Crystal structures of [L ₂ Ni ₂ (β ,1-N ₃) ₃]ClO ₄ and [L ₂ Ni ₂ (N ₃) ₂ (β ,3-N ₃) ₂] (L = 1,4,7-trimethyl-1,4,7-triazacyclononane). <i>Inorganica Chimica Acta</i> , 1996 , 246, 107-122	2.7	55
277	The Hexadentate Ligand 1,4,7-Tris(o-aminobenzyl)-1,4,7-triazacyclononane and Its Complexes with Zinc(II), Cadmium(II), and Mercury(II) in Solution and in the Solid State. <i>Inorganic Chemistry</i> , 1995 , 34, 6440-6448	5.1	48
276	Trivalent Transition Metal Complexes [M ^{III} (L-3H)] (M = Fe, Co) of the Triply Deprotonated Hexadentate Ligand 1,4,7-Tris(o-aminobenzyl)-1,4,7-triazacyclononane (L). Crystal Structure of [Mn ^{IV} (L-3H)]BPh ₄ . <i>Inorganic Chemistry</i> , 1995 , 34, 6456-6462	5.1	23
275	Reactions of low valent transition metal complexes with hydrogen peroxide. Are they "Fenton-like" or not? 4. The case of Fe(II)L, L = edta; hedta and tcma. <i>Free Radical Research</i> , 1995 , 23, 453-63	4	35
274	Divalent Transition Metal Complexes [LM ^{II}](ClO ₄) ₂ (M = Mn, Fe, Co, Ni, Cu, Pd) of the Hexadentate Ligand 1,4,7-Tris(o-aminobenzyl)-1,4,7-triazacyclononane (L). <i>Inorganic Chemistry</i> , 1995 , 34, 6449-6455	5.1	22

273	Magnetic exchange coupling in a nearly linear iron(III)nickel(II)nickel(II)iron(III) complex. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 1913-1915		28
272	Self-assembly of a novel 14-membered metallamacrobicycle containing two chromium(III) ions as part of the ring skeleton. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 963		13
271	Ein Nitridodieisenkomplexe mit asymmetrischem $[Fe^{IV}NFe^{III}]^{4+}$ - und symmetrischen $[Fe^{IV}NFe^{IV}]^{5+}$ -Strukturelement. <i>Angewandte Chemie</i> , 1995 , 107, 744-747	3.6	13
270	$[W(NO)(O)(CH_3)]$ Ein ungewöhnlicher Nitrosylwolfram-Komplex. <i>Angewandte Chemie</i> , 1995 , 107, 1603-1605	3.6	2
269	Der erste $[OH]$ -verbrückte Modellkomplex für die gemischtvalente $Fe^{II}Fe^{III}$ -Form des Hämerythrins. <i>Angewandte Chemie</i> , 1995 , 107, 2885-2888	3.6	6
268	Intramolecular Long-Range Exchange Coupling in Dinuclear Copper(II) Complexes with $Cu-Cu$ Separations Greater than 10 \AA <i>Chemistry - A European Journal</i> , 1995 , 1, 583-593	4.8	61
267	Ein Nitridodiiron Complexes with Asymmetric $[Fe^{IV}NFe^{III}]^{4+}$ and Symmetric $[Fe^{IV}NFe^{IV}]^{5+}$ Structural Elements. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 669-672		40
266	$[W(NO)(O)(CH_3)]$ An Unusual Nitrosyltungsten Complex. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 1435-1437		9
265	The monofunctionalized 1,4,7-triazacyclononane derivatives 1,4,7-triazacyclononane-N-acetate (L1) and N-(2-hydroxybenzyl)-1,4,7-triazacyclononane (HL2) and their complexes with vanadium(IV)/(V). Localized and delocalized electronic structures in compounds containing the mixed valent $Fe^{II}Fe^{III}Fe^{IV}$ core. <i>Journal of Chemical Sciences</i> , 1994 , 116, 117-129	2.7	66
264	Ein-kernige Ruthenium(III)-Komplexe des Typs $LRuX_3$ ($X = Cl, NCO, NCS, N-3$; $L = 1,4,7$ -Trimethyl-1,4,7-triazacyclononan) / Mononuclear Ruthenium (III) Complexes of the Type $LRuX_3$ ($X = Cl, NCO, NCS, N-3$; $L = 1,4,7$ -Trimethyl-1,4,7-triazacyclononane). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1994 , 49, 330-336	1	11
263	Spectroscopic and theoretical studies on a three-iron cluster with linear arrangement. <i>Chemical Physics</i> , 1994 , 184, 149-162	2.3	10
262	A Structural Model for the Water-Oxidizing Manganese Cluster in Photosystem II. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 725-728		74
261	Metalloporphyrins with Formally Tetravalent Iron. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 731-735		164
260	Ein Oxodiiron(III) Complexes of Porphycenes. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 736-739		36
259	The First Mononuclear Nitrosyl(oxo)molybdenum Complex: Side-On Bonded and π -Bridging NO Ligands in $[MoL(NO)(O)(OH)]_2NaPF_6 \cdot 4H_2O$. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 1473-1476		22
258	Ein Strukturmodell für den wasseroxidierenden Mangancluster im Photosystem II. <i>Angewandte Chemie</i> , 1994 , 106, 765-768	3.6	15
257	Metalloporphyrin mit formal vierwertigem Eisen. <i>Angewandte Chemie</i> , 1994 , 106, 771-775	3.6	55
256	Mössbauer, magnetic susceptibility, EPR, and EXAFS investigations of the vibrationally-induced low-spin/high-spin transition in a biomimetic $Fe(III)$ complex. <i>Hyperfine Interactions</i> , 1994 , 90, 453-457	0.8	6

- 255 Spectroscopic and theoretical studies on a three-iron cluster with linear arrangement. *Hyperfine Interactions*, **1994**, 90, 485-490 0.8 2
- 254 New mono- and dinuclear titanium(III) complexes. The crystal structure of and exchange coupling in $[\{L\text{TiIII}(\text{NCO})_2\}_2(\mu\text{-O})]$ ($L = 1,4,7$ -trimethyl-1,4,7-triazacyclononane). *Inorganic Chemistry*, **1994**, 33, 47-53^{5.1} 33
- 253 Synthesis and Characterization of Mononuclear Octahedral Titanium(IV) Complexes Containing Ti:O , $\text{Ti}(\text{O}_2)$, and $\text{Ti}(\text{OCH}_3)_x$ ($x = 1-3$) Structural Units. *Inorganic Chemistry*, **1994**, 33, 2462-2471 5.1 60
- 252 Synthesis, molecular and electronic structure of complexes $[\text{LNaMIVNaL}](\text{MRu}, \text{Os}; \text{H}_3\text{L} = 1,4,7$ -tris(4-tert-butyl-2-mercaptobenzyl)-1,4,7-triazacyclononane). *Journal of the Chemical Society Chemical Communications*, **1994**, 909-912 13
- 251 Synthesis, properties and crystal structures of $[\text{RuIII}_2(\text{tacn})_2(\mu\text{-OH})_2(\mu\text{-CO}_3)]\text{Br}_2 \cdot 7.5\text{H}_2\text{O}$ and $[\text{Ru}_3.52(\text{dtne})(\mu\text{-O})_2(\mu\text{-CO}_3)]\text{PF}_6 \cdot 5\text{H}_2\text{O}$ [$\text{tacn} = 1,4,7$ -triazacyclononane, $\text{dtne} = 1,2$ -bis(1,4,7-triazacyclononan-1-yl)ethane]. *Journal of the Chemical Society Dalton Transactions*, **1994**, 457-464 26
- 250 Unusual solid-state reaction of $[\{\text{CrL}(\text{acac})_2(\mu\text{-H}_3\text{O}_2)\}][\text{PF}_6]_3$. Isolation and crystal structures of $[\text{CrL}(\text{acac})\text{F}]\text{PF}_6$ and $[\text{CrL}(\text{acac})(\text{O}_2\text{PF}_2)]\text{PF}_6$ ($L = 1,4,7$ -trimethyl-1,4,7-triazacyclononane, $\text{acac} =$ pentane-2,4-dionate). *Journal of the Chemical Society Dalton Transactions*, **1994**, 2041-2048 14
- 249 Exchange Coupling in Homo- and Heterodinuclear Complexes $\text{CuII}M$ [$M = \text{Cr}(\text{III}), \text{Mn}(\text{III}), \text{Mn}(\text{II}), \text{Fe}(\text{III}), \text{Co}(\text{III}), \text{Co}(\text{II}), \text{Ni}(\text{II}), \text{Cu}(\text{II}), \text{Zn}(\text{II})$]. Synthesis, Structures, and Spectroscopic Properties. *Inorganic Chemistry*, **1994**, 33, 3990-4001 5.1 112
- 248 Studies of distortional isomers. 2. Evidence that green $[\text{LWOC}_2]\text{PF}_6$ is a ternary mixture. *Inorganic Chemistry*, **1994**, 33, 15-24 5.1 16
- 247 Magnetic properties of an octanuclear iron(III) cation. *Inorganic Chemistry*, **1993**, 32, 3099-3103 5.1 226
- 246 First-row transition metal complexes of the hexadentate macrocycle 1,4,7-tris(5-tert-butyl-2-hydroxybenzyl)-1,4,7-triazacyclononane (LH_3). Crystal structures of $[\text{LTiIV}]\text{BPh}_4$, $[\text{LCrIII}]$, $[\text{LFelIII}]$, and $[(\text{LH})_2\text{FeII}_2](\text{ClO}_4)_2 \cdot 2\text{H}_2\text{O}$. *Inorganic Chemistry*, **1993**, 32, 508-519 5.1 49
- 245 Synthesis of low spin $[\text{MnII}(\text{L}_2)_2]\text{I}_2 \cdot 2\text{MeOH}$ and $[\text{CuIII}(\text{L}_1)]$ via condensation of S-methylisothiosemicarbazide and pentane-2,4-dione in the presence of air. *Journal of the Chemical Society Chemical Communications*, **1993**, 726-728 26
- 244 Synthesis, properties and crystal structures of $[\text{MoVL}(\text{O})\text{I}_2]\text{PF}_6$, $[\text{MoVL}(\text{O})(\text{OMe})_2]\text{PF}_6$, $[\text{MoVLO}_2(\text{OMe})]\text{BPh}_4$ and $[\text{Mo}_2\text{L}_2\text{O}_3(\mu\text{-O})][\text{BPh}_4]_2$ ($L = 1,4,7$ -trimethyl-1,4,7-triazacyclononane). *Journal of the Chemical Society Dalton Transactions*, **1993**, 1987-1997 12
- 243 Synthesis and x-ray and neutron structures of anti-dihydridodi- μ -hydridobis(1,4,7-trimethyl-1,4,7-triazacyclononane)dirhodium(2+) hexafluorophosphate and a related species containing a syn- $[\text{Rh}_2(\text{H})_2(\mu\text{-H})_2]^{2+}$ core. Isolation of tri- μ -hydridobis(1,4,7-trimethyl-1,4,7-triazacyclononane)diiron(1+) tetraphenylborate. *Inorganic Chemistry*, **1993**, 32, 508-519 5.1 42
- 242 Synthesis and co-ordination chemistry of the macrocycle 1,4,7-triisopropyl-1,4,7-triazacyclononane. *Journal of the Chemical Society Dalton Transactions*, **1993**, 83 33
- 241 The $(\mu\text{-oxo})\text{bis}[\text{trichloroferrate}(\text{III})]$ dianion revisited. *Inorganic Chemistry*, **1993**, 32, 520-525 5.1 60
- 240 Switching the mechanism of spin-exchange coupling in a $(\mu\text{-oxo})\text{bis}(\mu\text{-acetato})\text{chromium}(\text{III})\text{vanadium}(\text{III})$ complex by protonation of the oxo bridge. *Inorganic Chemistry*, **1993**, 32, 114-116 5.1 11
- 239 Mononuclear and dinuclear ruthenium complexes containing the $\text{LRu}(\text{acac})$ fragment. Crystal structures of $[\text{LRuIII}(\text{acac})(\text{OH})]\text{PF}_6 \cdot \text{cntdot} \cdot \text{H}_2\text{O}$, $[\{\text{LRuIII}(\text{acac})\}_2(\mu\text{-O}_2\text{H}_3)](\text{PF}_6)_3$, and $[\{\text{LRuIII}(\text{acac})\}_2(\mu\text{-O})](\text{PF}_6)_2$. Characterization of the mixed-valence species $[\{\text{LRu}(\text{acac})\}_2(\mu\text{-O})](\text{PF}_6)_3$ ($L = 1,4,7$ -trimethyl-1,4,7-triazacyclononane). *Inorganic Chemistry*, **1993**, 32, 4935-4939 5.1 51
- 238 New μ -disulfido and μ -diselenido complexes of ruthenium(III). Crystal structure of $[\{\text{LRuIII}(\text{acac})\}_2(\mu\text{-S}_2)](\text{PF}_6)_2$ ($L = 1,4,7$ -trimethyl-1,4,7-triazacyclononane; $\text{acac} =$ pentane-2,4-dionate). *Inorganic Chemistry*, **1993**, 32, 4935-4939 5.1 17

- 237 (1,4,7-Tris(4-tert-butyl-2-mercaptobenzyl)-1,4,7-triazacyclononane)iron(III): a model for the iron-sulfur center in nitrile hydratase from *Brevibacterium*, sp. *Inorganic Chemistry*, **1993**, 32, 124-126 5.1 51
- 236 (Photo)ionization of tris(phenolato)iron(III) complexes: generation of phenoxyl radical as ligand. *Journal of the American Chemical Society*, **1993**, 115, 11222-11230 16.4 46
- 235 A Hemerythrin Model Complex with Catalase Activity. *Angewandte Chemie International Edition in English*, **1993**, 32, 289-291 35
- 234 Molecular Recognition of Hexaaqua Transition Metal(II) Ions. *Angewandte Chemie International Edition in English*, **1993**, 32, 714-716 15
- 233 How Innocent Are Pentane-2,4-dionebis(S-alkylisothiosemicarbazonato) Ligands in Biomimetic FeII and FeIV Complexes?. *Angewandte Chemie International Edition in English*, **1993**, 32, 1635-1638 26
- 232 Ein Hemerythrin-Modellkomplex mit Katalaseaktivität. *Angewandte Chemie*, **1993**, 105, 306-308 3.6 2
- 231 The redox chemistry of LMO₃EBH₂O (M=Mo(VI), W(VI); L=1,4,7-triazacyclononane). The crystal structures of anti-[L₂W₂Cl₂(EO)(EOH)]ZnCl₄·2H₂O and [L₃Mo₃O₄][Zn(Cl,Br)₄]₂·2H₂O. *Inorganica Chimica Acta*, **1993**, 205, 199-205 2.7 7
- 230 Pendant arm macrocyclic complexes: crystal structures of Al(TCTA) and In(TS-TACN). *Polyhedron*, **1993**, 12, 1-5 2.7 37
- 229 Molekulare Erkennung von Hexaaquaübergangsmetall(II)-Ionen. *Angewandte Chemie*, **1993**, 105, 735-737 3.6 7
- 228 Some reactions of cationic 16-electron molybdenum mononitrosyl complexes with phenols and arylamines. *Journal of the Chemical Society Dalton Transactions*, **1992**, 719-721 2
- 227 Asymmetric mixed valence manganese complexes containing the [MnIII(μ-O)₂(μ-MeCo₂)MnIV]₂⁺ core and their catalase reactivity. *Journal of the Chemical Society Chemical Communications*, **1992**, 1780-1782 60
- 226 Mono- and dinuclear zinc(II) complexes of biological relevance. Crystal structures of [L₂Zn](PF₆)₂, [L'Zn(O₂CPh)₂(H₂O)], [L'Zn₂(μ-OH)₂](ClO₄)₂, and [L'Zn₂(μ-OH)(μ-CH₃CO₂)₂](ClO₄)·nH₂O (L = 1,4,7-triazacyclononane, L' = 1,4,7-trimethyl-1,4,7-triazacyclononane). *Inorganic Chemistry*, **1992**, 31, 1454-1457 5.1 96
- 225 Mono- and dinuclear titanium(III)/titanium(IV) complexes with 1,4,7-trimethyl-1,4,7-triazacyclononane (L). Crystal structures of a compositionally disordered green and a blue form of [LTiCl₃]. Structures of [LTi(O)(NCS)₂], [LTi(OCH₃)Br₂](ClO₄), and [LTi₂(O)₂F₂(μ-F)](PF₆). *Inorganic Chemistry*, **1992**, 31, 3737-3748 5.1 45
- 224 Coordination of 4,7-bis(2-hydroxybenzyl)-1-oxa-4,7-diazacyclononane (LH₂) with manganese(II) and -(III) and zinc(II). Crystal structure of [(LH)₂Zn₂(μ-OH)](PF₆)·nH₂O. *Inorganic Chemistry*, **1992**, 31, 21-26 5.1 31
- 223 Synthese von N-phenolat-funktionalisierten Makrocyclen des 1,4,7-Triazacyclononans sowie des 1-Oxa-4,7-diazacyclononans und ihre Komplexchemie mit Eisen(III). *Zeitschrift Für Anorganische Und Allgemeine Chemie*, **1992**, 608, 60-68 1.3 29
- 222 Synthesis and crystal structures of the dinuclear complexes [(LM(acac)₂)₂O](ClO₄)₂ (M=Zr(IV), Hf(IV); L=1,4,7-triazacyclononane) containing μ₂-bridged eight-coordinate metal(IV) ions. *Inorganica Chimica Acta*, **1992**, 193, 9-15 2.7 4
- 221 Synthesis, crystal structures, Moessbauer, susceptibility, and EPR studies of a series of spin exchange coupled complexes containing the (μ-oxo)bis(μ-acetato)rutheniummetal core and its hydroxo-bridged analog (metal = vanadium, chromium, manganese, iron, cobalt). *Journal of the American Chemical Society*, **1992**, 114, 9470-9483 16.4 44
- 220 Spin exchange coupling in asymmetric heterodinuclear complexes containing the μ-oxo-bis(μ-acetato)dimetal core. *Journal of the American Chemical Society*, **1992**, 114, 1681-1696 16.4 157

219	A New Structure-Magnetism Relationship for Face-Sharing Transition-Metal Complexes with d ³ d ³ Electronic Configuration. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 311-313		54
218	Eine neue Struktur-Magnetismus-Beziehung für flächenverknüpfte Übergangsmetallkomplexe mit d ³ -d ³ -Elektronenkonfiguration. <i>Angewandte Chemie</i> , 1992 , 104, 345-348	3.6	10
217	Monomere Komplexe des Vanadium(III) und -(IV) mit den Liganden 1,4,7-Triazacyclononan (L) und 1,4,7-Trimethyl-1,4,7-triazacyclononan (L [?]). Die Kristallstrukturen von [L [?] VF ₃] ⁺ H ₂ O und [L [?] V(acac)O](ClO ₄) / Monomeric Complexes of Vanadium(III) and -(IV) with the Ligands	1	12
216	Co-ordination chemistry of 1,4,7-triazacyclononane (L) and its N-methylated derivative (L [?]) with silver(I) and mercury(II). The crystal structures of [AgL ₂]PF ₆ and [AgL [?] (SCN)]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991 , 1487-1490		32
215	Syntheses and crystal structures of complexes [L [?] O(H ₂ O)V(=O)WO ₂ L]Cl(ClO ₄) and [L [?] (acac)Mo(III)(=O)MoVIO ₂ L [?]][BPh ₄] ₂ (L, L [?] = 1,4,7-triazacyclononane and its 1,4,7-trimethyl derivative; acac = pentane-2,4-dionate). <i>Journal of the Chemical Society Dalton Transactions</i> , 1991 , 3165-3169		10
214	Switching the mechanism of spin-exchange coupling in (μ-oxo)bis(μ-carboxylato)divanadium(III) complexes by protonation of the oxo bridge. <i>Inorganic Chemistry</i> , 1991 , 30, 4061-4066	5.1	32
213	Synthesis and structural and spectroscopic studies of manganese complexes of pendant-arm macrocycles based on 1,4,7-triazacyclononane: crystal structures of the manganese(II) complex [MnLH ₃][MnCl ₄] and of the mixed-valence manganese(II)-manganese(IV) hydrogen-bridged dimer [MnLH ₃ LMn][PF ₆] ₃ (LH ₃ = N,N',N''-tris[(2S)-2-hydroxypropyl]-1,4,7-triazacyclononane) and of the	5.1	38
212	Mössbauer study of a novel binuclear Fe(II/III) delocalized-valence compound. <i>Hyperfine Interactions</i> , 1990 , 53, 311-315 (oxyethyl)-1,4,7-triazacyclononane). <i>Inorganic Chemistry</i> , 1991 , 30, 4397-4402	0.8	11
211	Zur Koordinationschemie von cis-Trioxowolfram(VI)-Komplexen. Die Kristallstrukturen von LW ₂ O ₃ · 3 H ₂ O, [L [?] WO ₂ (OH)]Br, [LWO ₂ Br]Br, [L ₂ W ₂ O ₅](S ₂ O ₆) ₄ · 4 H ₂ O und [LWO ₂ (EO)WO(O ₂) ₂ (OH ₂)] (L = 1,4,7-Triazacyclononan; L [?] = 1,4,7-Trimethyl-1,4,7-triazacyclononan). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1990 , 587, 174-192	1.3	20
210	Structure-Magnetism Relationship in [Ti(III)-O-Ti(III)] ₄ ? Complexes. <i>Angewandte Chemie International Edition in English</i> , 1990 , 29, 68-70		10
209	Asymmetric Heterodinuclear [L [?] Ru(EO)(ECH ₃ CO ₂) ₂ ML] ₂ ? Complexes (M = Fe, Mn, V): Electronic Structure and Magnetic Properties. <i>Angewandte Chemie International Edition in English</i> , 1990 , 29, 645-647		10
208	The Re [?] Re Bond in Binuclear Di- [?] oxorhenium Complexes Containing the 1,4,7-Triazacyclononane Ligand. <i>Angewandte Chemie International Edition in English</i> , 1990 , 29, 787-790		21
207	Dependence of the Magnetic Superexchange on the Cr-Cr Distance in Dinuclear Chromium (II) Complexes. <i>Angewandte Chemie International Edition in English</i> , 1990 , 29, 1055-1057		32
206	Struktur-Magnetismus-Beziehung in [Ti(III)-O-Ti(III)] ₄ ?-Komplexen. <i>Angewandte Chemie</i> , 1990 , 102, 60-61	3.6	4
205	Asymmetrische, heterodinucleare Komplexe [L [?] Ru(EO)(ECH ₃ CO ₂) ₂ ML] ₂ ? (M = Fe, Mn, V): Elektronenstruktur und Magnetismus. <i>Angewandte Chemie</i> , 1990 , 102, 720-722	3.6	0
204	Die Re-Re-Bindung in zweikernigen Di- [?] oxorheniumkomplexen mit dem Liganden 1,4,7-Triazacyclononan. <i>Angewandte Chemie</i> , 1990 , 102, 832-834	3.6	12
203	Abhängigkeit des magnetischen Superaustausches vom Cr-Cr-Abstand in zweikernigen Chrom(III)-Komplexen. <i>Angewandte Chemie</i> , 1990 , 102, 1093-1095	3.6	3
202	Die Ligandeneigenschaften der Komplexe LMO ₃ (M = Mo(VI), W(VI), L = cyclisches Triamin). Die Kristallstrukturen von [(LMO ₃) ₄ Co][BPh ₄] ₂ · 2H ₂ O, (LMO ₃) ₄ Fe][BPh ₄] ₃ · NaBPh ₄ , [LWO ₃ BPh ₃] und [(LWO ₃) ₂ BPh ₂][BPh ₄] / The Ligating Properties of LMO ₃ -Complexes (M = Mo(VI), W(VI), L = Cycl. Triamine). The Crystal Structures of [(LMO ₃) ₄ Co][BPh ₄] ₂ · 2H ₂ O, [(LMO ₃) ₄ Fe][BPh ₄] ₃ · NaBPh ₄ , [LWO ₃ BPh ₃] and [(LWO ₃) ₂ BPh ₂][BPh ₄]. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1990 , 45, 619-628	1	12

- 201 Müsbauer and electron paramagnetic resonance study of the double-exchange and Heisenberg-exchange interactions in a novel binuclear Fe(II/III) delocalized-valence compound. *Journal of Chemical Physics*, **1990**, 92, 178-186 3.9 97
- 200 Synthesis and properties of binuclear $[L\text{TiCl}_2(\mu\text{-O})\text{TiCl}_2L]_{n+}$ ($n = 0, 1, 2$; $L = 1,4,7$ -trimethyl-1,4,7-triazacyclononane) complexes. The crystal structure of the mixed valence compound $[L_2\text{Ti}_2\text{Cl}_4(\mu\text{-O})\text{Cl}_2\cdot 2\text{H}_2\text{O}]$. *Journal of the Chemical Society Chemical Communications*, **1990**, 1042-1043 6
- 199 Syntheses and characterization of stable pseudo-octahedral tris-phenolato complexes of vanadium-(III), -(IV), and -(V). *Journal of the Chemical Society Chemical Communications*, **1990**, 1004 32
- 198 The missing link in the series $[L_2M\text{III}2(\mu\text{-O})(\mu\text{-MeCO}_2)_2]_{2+}$ ($M = \text{Ti, V, Cr, Mn, Fe}$). Synthesis, crystal structure and magnetism of $[L_2\text{CrIII}2(\mu\text{-O})(\mu\text{-MeCO}_2)_2][\text{BPh}_4]_2$. *Journal of the Chemical Society Chemical Communications*, **1990**, 1767-1769 16
- 197 Synthesis and coordination chemistry of the hexadentate ligands 1,4,7-tris(2-hydroxybenzyl)-1,4,7-triazacyclononane (H3L1) and 1,4,7-tris(3-tert-butyl-2-hydroxybenzyl)-1,4,7-triazacyclononane (H3L2). Crystal structures of $[\text{H}_3\text{L}_1\text{CuII}]$ and $[\text{H}_3\text{L}_2\text{FeII}]$. *Inorganic Chemistry*, **1990**, 29, 938-944 5.1 66
- 196 Stable cationic 17-electron $[\text{LM}(\text{CO})_3]^+$ species ($L = 1,4,7$ -tribenzyl-1,4,7-triazacyclononane; $M = \text{Cr, Mo, W}$): synthesis, spectroscopic properties, and reactivity. Crystal structure of $[\text{LMo}(\text{CO})_3](\text{PF}_6)\cdot\text{dmf}$. *Inorganic Chemistry*, **1990**, 29, 1736-1741 5.1 37
- 195 The S3 state of photosystem II: differences between the structure of the manganese complex in the S2 and S3 states determined by X-ray absorption spectroscopy. *Biochemistry*, **1990**, 29, 471-85 3.2 106
- 194 Novel cofacial bioctahedral complexes of ruthenium: syntheses and properties of the mixed-valence species $[\text{LRu}_2.5(\mu\text{-X})_3\text{Ru}_2.5L]_{2+}$ ($X = \text{Cl, Br, I, OH}$). Crystal structures of $[\text{LRu}_2.5(\mu\text{-OH})_3\text{Ru}_2.5L](\text{PF}_6)_2\cdot\text{dmf}\cdot\text{H}_2\text{O}$ and $[\text{LRuIV}(\mu\text{-O})_3\text{RuIVL}](\text{PF}_6)_2\cdot\text{dmf}\cdot\text{H}_2\text{O}$ ($L = 1,4,7$ -trimethyl-1,4,7-triazacyclononane). *Inorganic Chemistry*, **1990**, 29, 337-344 5.1 31
- 193 $[\text{L}_2\text{Mn}_2(\mu\text{-O})_2(\mu\text{-O}_2)](\text{ClO}_4)_2$. The first binuclear ($\mu\text{-peroxo}$)dimanganese(IV) complex ($L = 1,4,7$ -trimethyl-1,4,7-triazacyclononane). A model for the S4 \rightarrow S0 transformation in the oxygen-evolving complex in photosynthesis. *Journal of the American Chemical Society*, **1990**, 112, 6387-6388 16.4 143
- 192 Syntheses, electrochemistry, and spectroscopic and magnetic properties of new mononuclear and binuclear complexes of vanadium(III), -(IV), and -(V) containing the tridentate macrocycle 1,4,7-trimethyl-1,4,7-triazacyclononane (L). Crystal structures of $[\text{L}_2\text{V}_2(\text{acac})_2(\mu\text{-O})]_2\cdot 2\text{H}_2\text{O}$, $[\text{L}_2\text{V}_2(\text{acac})_2(\mu\text{-O})]_2\cdot 2\text{H}_2\text{O}$, and $[\text{L}_2\text{V}_2(\text{acac})_2(\mu\text{-O})]_2\cdot 2\text{H}_2\text{O}$. *Inorganic Chemistry*, **1990**, 29, 371-374 5.1 86
- 191 Synthesis, electrochemistry, and magnetic properties of binuclear cobalt complexes containing the $\text{Co}_2(\mu\text{-X})(\mu\text{-carboxylato})_{2n+}$ core ($X = \text{OH, Cl, or Br}$; $n = 1, 2$). The crystal structures of $[\text{Co}_2\text{II}(\mu\text{-Cl}_2\text{CCO}_2)_2(\mu\text{-Cl})\text{L}_2]\text{PF}_6$ and $[\text{Co}_2\text{II}(\mu\text{-MeCO}_2)_2(\mu\text{-OH})\text{L}_2][\text{ClO}_4]_2\cdot 0.5\text{H}_2\text{O}$ ($L = 1,4,7$ -trimethyl-1,4,7-triazacyclononane). *Journal of the Chemical Society Dalton Transactions*, **1990**, 1, 1-5 33
- 190 Der neue Komplex $[\text{LRuIV}(\text{EO})_3\text{RuIVL}][\text{PF}_6]_2\cdot 2\text{H}_2\text{O}$ in molekularer Ausschnitt der Strukturen von BaRuIVO_3 (Hochdruckphase) und $\text{Ba}_5/6\text{Sr}_1/6\text{RuIVO}_3$. *Angewandte Chemie*, **1989**, 101, 780-782 3.6 1
- 189 Die aktiven Zentren in manganhaltigen Metalloproteinen und anorganische Modellkomplexe. *Angewandte Chemie*, **1989**, 101, 1179-1198 3.6 97
- 188 The Novel Complex $[\text{LRuIV}(\text{EO})_3\text{RuIVL}][\text{PF}_6]_2\cdot 2\text{H}_2\text{O}$ Molecular Section of the Structures of BaRuIVO_3 (High-Pressure Phase) and $\text{Ba}_5/6\text{Sr}_1/6\text{RuIVO}_3$. *Angewandte Chemie International Edition in English*, **1989**, 28, 763-765 10
- 187 The Active Sites in Manganese-Containing Metalloproteins and Inorganic Model Complexes. *Angewandte Chemie International Edition in English*, **1989**, 28, 1153-1172 590
- 186 Bioinorganic model complexes for the active site in manganese containing catalases. The crystal structures of $[\text{L}_2\text{MnII}2(\text{EOH})(\text{EO}_2\text{CCH}_3)_2](\text{PF}_6)_2\cdot 3\text{H}_2\text{O}$ and $[\text{L}_2\text{MnIII}2(\text{EO})(\text{EO}_2\text{CCH}_3)_2](\text{I}_3)\cdot 2\text{H}_2\text{O}$. *Inorganica Chimica Acta*, **1989**, 165, 123-129 2.7 70
- 185 Coordination of the macrocyclic thioether 1,4,7-trithiacyclononane (TTCN) to chromium(3+) and to dimolybdenum(2+) di-acetato bridged molecules. *Polyhedron*, **1989**, 8, 1770-1773 2.7 14
- 184 Kronenthioetherkomplexe des Cobalt(III): Ligandenstruktur und Redoxreaktivitat Struktur, Elektrochemie und Kinetik des Elektronenaustausches von $[\text{Co}(\text{tacn})(\text{ttcn})]\text{Br}_3\cdot 3\text{H}_2\text{O}$ ($\text{tacn} = 1,4,7$ -Triazacyclononan, $\text{ttcn} = 1,4,7$ -Trithiacyclononan). *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **1989**, 573, 43-62 1.3 9

- 183 Kronenthioetherkomplexe des Blei(II), Zink(II) und Cadmium (II) und Cadmium(II). Die Kristallstrukturen von $[\text{PbL}_2(\text{ClO}_4)_2]$ und $[\text{ZnL}_2](\text{ClO}_4)_2 \cdot 2\text{CH}_3\text{CN}$ (L = 1,4,7 - Trithiacyclononan). *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **1989**, 577, 155-164 1.3 29
- 182 Nucleophilic behaviour of monomeric cis-trioxotungsten(VI) complexes LWO_3 (L = tridentate N-macrocycle). *Polyhedron*, **1989**, 8, 1675-1682 2.7 23
- 181 (.mu.-Hydroxo)bis(.mu.-carboxylato)diruthenium and (.mu.-oxo)bis(.mu.-carboxylato)diruthenium Complexes Containing Weak Intramolecular Ru...Ru Interactions. *Inorganic Chemistry*, **1989**, 28, 459-467 5.1 88
- 180 Model compounds for the oxidized uteroferrin-phosphate complex. Syntheses, crystal structures, and magnetic properties of .mu.-phosphato-, .mu.-arsenato-, and .mu.-chromato-bridged binuclear iron(III) complexes. *Journal of the American Chemical Society*, **1989**, 111, 8622-8631 16.4 59
- 179 Preparation, molecular structure, and magnetism of bis(.mu.-carbonate)-.mu.-oxobis[1,4,7-trimethyl-1,4,7-triazacyclononane]diiron 4.25 hydrate. *Inorganic Chemistry*, **1989**, 28, 1414-1417 5.1 27
- 178 Synthesis and reactivity of tricarbonyl(1,4,7-trithiacyclononane)manganese(1+): kinetics and mechanism of its formation and the crystal structure of $[\text{LMn}(\text{CO})_3]_3(\text{PF}_6)_2 \cdot 2\text{H}_2\text{O}$ (L = 1,4,7-trithiacyclononane). *Inorganic Chemistry*, **1989**, 28, 3021-3024 5.1 11
- 177 Intramolecular, base-induced formation of a metal-metal bond in $[\text{L}_2\text{MoIII}_2(\mu\text{-OH})(\mu\text{-CH}_3\text{CO}_2)_2]^{3+}$ (L = 1,4,7-trimethyl-1,4,7-triazacyclononane). Crystal structures of $[\text{L}_2\text{MoIII}_2(\mu\text{-OH})(\mu\text{-CH}_3\text{CO}_2)_2](\text{ClO}_4)_3 \cdot \text{H}_2\text{O}$ and $[\text{L}_2\text{MoIII}_2(\mu\text{-O})(\mu\text{-CH}_3\text{CO}_2)_2](\text{ClO}_4)(\text{BF}_4) \cdot \text{H}_2\text{O}$ and of the mixed-valence complex $[\text{L}_2\text{MoIII}_2\text{MoIV}(\mu\text{-O})(\mu\text{-CH}_3\text{CO}_2)_2](\text{ClO}_4)_2 \cdot \text{H}_2\text{O}$. *Inorganic Chemistry*, **1989**, 28, 4432-4440 5.1 11
- 176 A new tetranuclear oxohydroxoiron(III) cluster: crystal structure, magnetic properties, and EXAFS investigation of $[\text{L}_4\text{Fe}_4(\mu\text{-O})_2(\mu\text{-OH})_4]^{14} \cdot 3\text{H}_2\text{O}$ (L = 1,4,7-triazacyclononane). *Inorganic Chemistry*, **1989**, 28, 4477-4483 5.1 34
- 175 CBI Activation of co-ordinated crowns thioethers: deprotonation and ring-opening of $[\text{M}(\text{[9]aneS}_3)_2]^{3+}$ (M = Co, Rh, Ir). Crystal structure of $[\text{Rh}(\text{H}_2\text{CCHS}(\text{CH}_2)_2\text{S}(\text{CH}_2)_2)(\text{[9]aneS}_3)](\text{PF}_6)_2$ ([9]aneS₃ = 1,4,7-trithiacyclononane). *Journal of the Chemical Society Chemical Communications*, **1989**, 1600-1602 43
- 174 Synthesis, e.s.r. spectrum and magnetic properties of a heterobinuclear complex containing the $\{\text{FeIII}(\mu\text{-O})(\mu\text{-MeCO}_2)_2\text{MnIII}\}^{2+}$ core. *Journal of the Chemical Society Chemical Communications*, **1989**, 633-636 11
- 173 The novel mixed-valence, exchange-coupled, class III dimer $[\text{L}_2\text{Fe}_2(\mu\text{-OH})_3]^{2+}$ (L = N,N',N''-trimethyl-1,4,7-triazacyclononane). *Journal of the Chemical Society Chemical Communications*, **1989**, 59-62 66
- 172 Baseninduzierte intramolekulare Bildung einer Mo-Mo-Bindung in $[\text{L}_2\text{MoIII}_2(\text{EOH})(\text{ECH}_3\text{CO}_2)_2]^{3+}$ (L = N,N',N''-Trimethyl-1,4,7-triazacyclononan). *Angewandte Chemie*, **1988**, 100, 718-720 3.6 3
- 171 Hydroxo- und Oxo-bis(Acetato)diruthenium-Komplexe mit schwachen intramolekularen Ru-Ru Wechselwirkungen. *Angewandte Chemie*, **1988**, 100, 990-992 3.6 5
- 170 Base-Induced Intramolecular Formation of a Mo-Mo Bond in $[\text{L}_2\text{MoEOH}(\text{ECH}_3\text{CO}_2)_2]^{3+}$ (L = N,N',N''-Trimethyl-1,4,7-triazacyclononane). *Angewandte Chemie International Edition in English*, **1988**, 27, 685-687 7
- 169 Hydroxo- and Oxobis(Acetato)diruthenium Complexes with Weak Intramolecular Ru-Ru Interactions. *Angewandte Chemie International Edition in English*, **1988**, 27, 933-935 22
- 168 The reactivity of cationic [trioxo-(1,4,7-triazacyclononane) rhenium(VII)] and oxorhenium(V) complexes containing triazamacrocycles. *Polyhedron*, **1988**, 7, 2537-2542 2.7 24
- 167 Synthesis, magnetism and crystal structure of $[\text{V}_2\text{O}_2(\text{EOH})_2(\text{tpen})]_2 \cdot 4\text{H}_2\text{O}$; a binuclear complex containing the syn- $\{\text{VO}(\text{EOH})_2\text{VO}\}^{2+}$ core (tpen = tetrakis(2-pyridylmethyl)ethylenediamine). *Inorganica Chimica Acta*, **1988**, 150, 183-187 2.7 40
- 166 Synthesis, crystal structures, reactivity, and magnetochemistry of a series of binuclear complexes of manganese(II), -(III), and -(IV) of biological relevance. The crystal structure of $[\text{L}'\text{MnIV}(\mu\text{-O})_3\text{MnIVL}'](\text{PF}_6)_2 \cdot \text{H}_2\text{O}$ containing an unprecedented short Mn...Mn distance of 2.886 Å. *Journal of the American Chemical Society*, **1988**, 110, 7398-7411 16.4 377

- 165 Synthesis and reactivity of air-stable carbonyl(methyl)nitrosyl(1,4,7-triazacyclononane)rhenium(1+). Kinetics and mechanism of its reactions with HX (X = Cl, Br, NO₃). Formation of $[\{LRe(NO)(CO)\}_2(\mu\text{-CH}_2\text{OCH}_2)]_2$ containing a bridging 2-oxapropane-1,3-diol. *Inorganic Chemistry*, **1988**, *27*, 3795-3804. 5.1 9
- 164 Acid-catalyzed anti-fwdarw. syn isomerization of the $\{WV_2O_4\}^{2+}$ core. Crystal structures of anti-tetraoxobis(1,4,7-triazacyclononane)ditungsten(2+) diiodide and syn-bis[tetraoxobis(1,4,7-triazacyclononane)ditungsten(2+)] dithionate diiodide dihydrate. *Inorganic Chemistry*, **1988**, *27*, 3805-3814. 5.1 7
- 163 Synthesis and reactivity of $[LRe(NO)(CO)(NCO)]^+$ (L = 1,4,7-triazacyclononane). Kinetics and mechanisms of its formation and transformation of $[LRe(NO)(CO)X]^{n+}$ (X = NH₃, Cl, HCO₂⁻, CF₃SO₃⁻) and other species. Crystal structure of $[LRe(NO)(CO)(NH_3)]Br_2$. *Inorganic Chemistry*, **1988**, *27*, 3789-3796. 5.1 13
- 162 Redox reactivity of bis(1,4,7-triazacyclononane)iron(II/III) complexes in alkaline solution and characterization of a deprotonated species: amidoiron(III) vs aminyliron(II) ground-state formulation. EPR, kinetic, pulse radiolysis, and laser photolysis study. *Inorganic Chemistry*, **1988**, *27*, 440-447. 5.1 35
- 161 Optical absorption and luminescence spectroscopy of bis(acetato)hydroxobis(1,4,7-trimethyl-1,4,7-triazacyclononane)dichromium(3+) perchlorate and bis(acetato)hydroxobis(1,4,7-trimethyl-1,4,7-triazacyclononane)chromiumzinc(2+) perchlorate dihydrate. *Inorganic Chemistry*, **1988**, *27*, 2115-2120. 5.1 6
- 160 Kinetics and mechanism of the outer-sphere electron-transfer-induced formation of cis-dioxovanadium(V) species from vanadyl(IV) complexes. Crystal structures of $[VO(TCDA)] \cdot nH_2O$ and $[VO_2(TCDAH)] \cdot nH_2O$ (TCDA = 1,4,7-trimethyl-1,4,7-triazacyclononane). *Inorganic Chemistry*, **1988**, *27*, 1564-1569. 5.1 25
- 159 Syntheses and magnetic properties of a heteropolyoxotungsten(VI)iron(III) cation and $[LFeIII(\mu\text{-MO}_4)_3FeIII]$ complexes (M = chromium(VI), molybdenum(VI)). Crystal structures of $L_2Fe_2(CrO_4)_3 \cdot nH_2O$ and $[L_3Fe_3W_4O_{14}(OCH_3)_3](ClO_4)_2 \cdot nH_2O$ (L = 1,4,7-trimethyl-1,4,7-triazacyclononane). *Inorganic Chemistry*, **1988**, *27*, 1564-1569. 5.1 57
- 158 Synthesis, magnetic properties, redox behaviour, and crystal structure of the bridged binuclear nickel(II) complex $[Ni_2(\mu\text{-OH})(\mu\text{-CH}_3\text{CO}_2)_2L_2](ClO_4) \cdot nH_2O$. *Journal of the Chemical Society Dalton Transactions*, **1988**, 1367-1370. 45
- 157 Synthesis of novel trimeric $\mu\text{-oxo}$ -bridged manganese(IV) complexes: $[L_3Mn_3IV(\mu\text{-O})_3(\mu\text{-XO}_4)]Br_3$ (X = P, As, or V; L = 1,4,7-triazacyclononane). *Journal of the Chemical Society Chemical Communications*, **1988**, 1145-1146. 9
- 156 Moderately strong intramolecular magnetic exchange interaction between the copper(II) ions separated by 11.25 Å. in $[L_2Cu_2(OH)_2(\mu\text{-terephthalato})](ClO_4)_2$ (L = 1,4,7-trimethyl-1,4,7-triazacyclononane). *Journal of the American Chemical Society*, **1988**, *110*, 3657-3658. 16.4 136
- 155 Syntheses and spectroscopic and magnetic properties of novel binuclear vanadium(III)/(IV) complexes. Crystal structures of $[L_2V_2(\mu\text{-O})(\mu\text{-CH}_3\text{CO}_2)_2]_2 \cdot nH_2O$ and $[L_2V_2O_2(\mu\text{-CH}_3\text{CO}_2)_2]_2$ (L = 1,4,7-trimethyl-1,4,7-triazacyclononane). *Inorganic Chemistry*, **1988**, *27*, 721-727. 5.1 41
- 154 Synthese von $[LRe(CO)_3]^+$ -Komplexen mit makrocyclischen Liganden Die Kristallstrukturen von 1,4,7-Triazacyclononan-tricarbonylrhenium(I)-thiocyanat und 1,4,7-Trithiacyclononan-tricarbonylrhenium(I)-bromid-hemihydrat / Synthesis of $[LRe(CO)_3]^+$ complexes with macrocyclic ligands Crystal structures of 1,4,7-triazacyclononan-tricarbonylrhenium(I)-thiocyanate and 1,4,7-trithiacyclononan-tricarbonylrhenium(I)-bromide hemihydrate. *Journal of the American Chemical Society*, **1988**, *110*, 3657-3658. 1 31
- 153 1,4,7-Triazacyclononane and N,N,N"-trimethyl-1,4,7-triazacyclononane - two versatile macrocycles for the synthesis of monomeric and oligomeric metal complexes. *Pure and Applied Chemistry*, **1988**, *60*, 509-516. 2.1 12
- 152 Bioanorganische Modellkomplexe für Metalloproteine des Eisen(III) und Mangan(III): Synthese, Magnetismus und Kristallstrukturen von $[L_2Fe_2(acac)_2(O)](ClO_4)_2$, $[L'Mn(acac)(OC_2H_5)]BPh_4$ und $[L'Mn(acac)(OH_2)](ClO_4)_2$ (L = 1,4,7-Triazacyclononan, L' = N,N,N"-trimethyl-1,4,7-triazacyclononan). *Journal of the American Chemical Society*, **1987**, *109*, 5207-5211. 1 13
- 151 Ligating properties of monomeric cis-trioxometal(VI) complexes of molybdenum(VI) and tungsten(VI). Preparation and spectroscopic characterization of LMO_3 and $[(LMO_3)_4CoII](ClO_4)_2$ (M = Mo, W; L = cyclic triamine). *Inorganic Chemistry*, **1987**, *26*, 1885-1888. 5.1 27
- 150 Synthesis and characterization of $(\mu\text{-hydroxo})bis(\mu\text{-acetato})diiron(II)$ and $(\mu\text{-oxo})bis(\mu\text{-acetato})diiron(III)$ 1,4,7-trimethyl-1,4,7-triazacyclononane complexes as models for binuclear iron centers in biology; properties of the mixed valence diiron(II,III) species. *Journal of the American Chemical Society*, **1987**, *109*, 5207-5211. 16.4 188
- 149 A novel mixed-valent MnIII/MnIV-dimer, $[L_2Mn_2(\mu\text{-O})_2(\mu\text{-MeCO}_2)]_2[BPh_4]_2 \cdot nMeCN$: crystal structure, magnetic properties, and e.s.r. spectrum (L = 1,4,7-triazacyclononane). *Journal of the Chemical Society Chemical Communications*, **1987**, 651-653. 55
- 148 Preparation and magnetism of the binuclear iron(II) complexes $[\{Fe(C_9H_{21}N_3)X_2\}_2]$ (X = NCS, NCO, or N₃) and their reaction with NO. Crystal structures of $[\{Fe(C_9H_{21}N_3)(NCS)_2\}_2]$ and $[Fe(C_9H_{21}N_3)(NO)(N_3)_2]$. *Journal of the Chemical Society Dalton Transactions*, **1987**, 187. 50

147	Site-selective luminescence and excitation spectroscopy tris(μ -hydroxo)bis[(1,5,9-triazacyclododecane)dichromium(III)] tribromide dihydrate. <i>Inorganic Chemistry</i> , 1987 , 26, 2747-2750	5.1	9
146	A heteropolyoxomolybdenum(VI)iron(III) cation. Synthesis and crystal structure of [(LFeIII)3MoVI4O14($\bar{\mu}$ -OMe)3](ClO4)2 (L = N,N',N'-trimethyl-1,4,7-triazacyclononane). <i>Journal of the Chemical Society Chemical Communications</i> , 1987 , 1198-1199		4
145	General route to μ -hydroxo-bis(μ -acetato)-bridged heterometal dinuclear complexes. Syntheses, magnetic and redox properties, electronic spectra, and molecular structures of the [Cr(III)-Co(II)] and [Cr(III)-Fe(II)] species. <i>Inorganic Chemistry</i> , 1987 , 26, 3302-3310	5.1	59
144	Spectroscopic and magnetic properties of pseudooctahedral copper(2+) and cobalt(2+) complexes with 1,4,7-triazacyclononane and its monooxa and trithia analogs as ligands. <i>Inorganic Chemistry</i> , 1987 , 26, 4010-4017	5.1	32
143	Crown thioether chemistry of iron(II/III). Synthesis and characterization of low-spin bis(1,4,7-trithiacyclononane)iron(III) and crystal structure of [FeII([9]aneS3)([9]aneS3(O))](ClO4)2.2NaClO4.H2O. <i>Inorganic Chemistry</i> , 1987 , 26, 3762-3769	5.1	42
142	Elektronentransferbarrieren als Funktion der Ligandenstruktur in CoN63+/CoN62+-Paaren Beziehungen zwischen der Struktur und der Redoxreaktivit�. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1987 , 551, 33-60	1.3	20
141	Synthesis and Crystal Structure of the Homoleptic Thioether Ruthenium Complex [Ru(1,4,7-trithiacyclononane)2](BPh4)2 2 Me2 SO. <i>Angewandte Chemie International Edition in English</i> , 1987 , 26, 250-251		37
140	Crown Thioether Complexes of AgI and CuI: The Crystal Structures of [{Ag3L3}AgL{AgL2}](ClO4)4 and [LCuI] (L = 1, 4, 7-Trithiacyclononane). <i>Angewandte Chemie International Edition in English</i> , 1987 , 26, 575-576		62
139	The Mechanism of Substitution Reactions at [LRe(NO)(CO)(CH3)]? in Acid Solution and the Structure of [{LRe(NO)(CO)}2(ECH2OCH2)]I2 (L = 1,4,7-Triazacyclononane). <i>Angewandte Chemie International Edition in English</i> , 1987 , 26, 924-927		8
138	Synthese und Kristallstruktur des homoleptischen Thioether-Rutheniumkomplexes [Ru(1,4,7-trithiacyclononane)2](BPh4)2 2 Me2SO. <i>Angewandte Chemie</i> , 1987 , 99, 253-255	3.6	18
137	Kronenthioetherkomplexe von AgI und CuI: Die Kristallstrukturen von [{Ag3L3}{AgL2}](ClO4)4 und [LCuI] (L = 1,4,7-Trithiacyclononane). <i>Angewandte Chemie</i> , 1987 , 99, 583-584	3.6	31
136	Der Mechanismus von Substitutionsreaktionen an [LRe(NO)(CO)(CH3)]? in saurer L�sung und die Struktur von [{LRe(NO)(CO)}2(ECH2OCH2)]I2 (L = 1, 4, 7-Triazacyclononane). <i>Angewandte Chemie</i> , 1987 , 99, 927-929	3.6	4
135	The reactivity of the {Mn2(EO)(ECH3CO2)2}2+ core. The crystal structures of [LMn(N3)3] and [L?Mn(S4)(H2O)] (L = 1,4,7-triazacyclononane, L? = N,N',N'-trimethyl-1,4,7-triazacyclononane). <i>Inorganica Chimica Acta</i> , 1987 , 126, 39-43	2.7	25
134	Dinuclear Manganese(II,III,IV) Model Complexes for the Active Center of the Metalloprotein Photosystem II: Synthesis, Magnetism, and Crystal Structure of [LMnIII(EO)(ECH3CO2)2MnIVL][ClO4]3 (L = N,N',N'-Trimethyl-1,4,7-triazacyclononane). <i>Angewandte Chemie International Edition in English</i> , 1986 , 25, 1030-1031		72
133	Weak Pd� Interactions in Palladium(II) Complexes with 1,4,7-Trithiacyclononane as Ligand. <i>Angewandte Chemie International Edition in English</i> , 1986 , 25, 1101-1103		59
132	Komplexchemie des Gallium(III) mit makrozyklischen Liganden Darstellung und Kristallstruktur von Di-hydroxo-�acetato-bis[(1,4,7-triazacyclononane)gallium(III)]triiodid � Monohydrat. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1986 , 536, 179-186	1.3	7
131	The electrochemistry of a dimeric and two monomeric cis-trioxomolybdenum(VI) complexes containing cyclic triamine ligands in protic and aprotic media: model compounds for the active site informate dehydrogenase. <i>Polyhedron</i> , 1986 , 5, 513-520	2.7	25
130	Macrocyclic complexes of lead(II): crystal structures of LPb(ClO4)2 and LPb(NO3)2 (L = 1,4,7-triazacyclononane). <i>Inorganic Chemistry</i> , 1986 , 25, 1647-1650	5.1	34

- 129 Electron-transfer barriers in cobalt(III) and cobalt(II) bis complexes of 1,4,7-triazacyclononane (tacn) and 1,4,7-trithiacyclononane (ttcn). Crystal structures of $[\text{CoII}(\text{tacn})_2] \cdot 12\text{H}_2\text{O}$ and of $[\text{CoIII}(\text{ttcn})_2](\text{ClO}_4)_3$. *Inorganic Chemistry*, **1986**, 25, 2400-2408 5.1 73
- 128 Spontaneous self assembly of the $\{\text{M}_2(\bar{\text{I}}-\text{O})(\bar{\text{I}}-\text{MeCO}_2)_2\}^{2+}$ core. Synthesis, structure, and properties of the binuclear vanadium(III) complex. *Journal of the Chemical Society Chemical Communications*, **1986**, 1530-1532 9
- 127 Magnetic exchange interactions in some novel μ -azido-bridged copper(II) dimers. Crystal structures of $[\text{L}_2\text{Cu}_2(\mu\text{-N}_3)(\text{N}_3)_2](\text{ClO}_4) \cdot \text{cndot} \cdot \text{H}_2\text{O}$, $\text{LCu}(\text{N}_3)_2$, $[\text{L}_2\text{Cu}_2(\mu\text{-N}_3)_2(\text{ClO}_4)_2]$, and $\text{L}'\text{Cu}(\text{N}_3)_2$ (L = N,N',N''-trimethyl-1,4,7-triazacyclononane and L' = 1,4,7-triazacyclononane). *Inorganic Chemistry*, **1986**, 25, 2818-2824 5.1 84
- 126 Crystal structure of bis[bis(1,4,7-triazacyclononane)nickel(III)] dithionate heptahydrate and its single-crystal EPR spectrum. *Inorganic Chemistry*, **1986**, 25, 1650-1654 5.1 42
- 125 Syntheses, properties and electrochemistry of transition-metal complexes of the macrocycle 1,4,7-tris(2-pyridylmethyl)-1,4,7-triazacyclononane (L). Crystal structures of $[\text{NiL}](\text{ClO}_4)_2$, $[\text{MnL}](\text{ClO}_4)_2$, and $[\text{PdL}](\text{PF}_6)_2$ containing a distorted-square-base-pyramidal PdIIN5 core. *Inorganic Chemistry*, **1986**, 25, 4877-4882 5.1 65
- 124 Complexes of thallium(I) and -(III) containing 1,4,7-triazacyclononane (L) ligands. Kinetics and mechanism of the reduction of $[\text{L}_2\text{TlIII}]^{3+}$. Crystal structure of (N,N',N''-trimethyl-1,4,7-triazacyclononane)thallium(I) hexafluorophosphate. *Inorganic Chemistry*, **1986**, 25, 1669-1673 5.1 24
- 123 Variable-temperature single-crystal electron spin resonance study and crystal structure of bis(1,4,7-triazacyclononane)copper(2+) tricyanocuprate(2-) dihydrate at 110 and 293 K. Static and dynamic Jahn-Teller distortions in the CuN_6 polyhedron. *Inorganic Chemistry*, **1986**, 25, 2951-2958 5.1 49
- 122 Macrocyclic complexes of indium(III): novel μ -hydroxo- and μ -oxo-bridged complexes. Crystal structures of $[\text{L}_4\text{In}_4(\mu\text{-OH})_6](\text{S}_2\text{O}_6)_3 \cdot 4\text{H}_2\text{O}$ and $[\text{L}_2\text{In}_2(\text{CH}_3\text{CO}_2)_4(\mu\text{-O})_2] \cdot 2\text{NaClO}_4$ (L = 1,4,7-triazacyclononane). *Inorganic Chemistry*, **1986**, 25, 1654-1659 5.1 44
- 121 Syntheses of $[\text{LRe}(\text{CO})_3]^+$ and $[\text{LRe}(\text{NO})(\text{CO})_2]^{2+}$ and their oxidative decarbonylation product $[\text{LReO}_3]^+$. Crystal structure of $[\text{LReO}_3]\text{Cl}$ (L = 1,4,7-triazacyclononane). *Inorganic Chemistry*, **1986**, 25, 1659-1661 5.1 51
- 120 Syntheses of Monomeric, Dimeric, and Trimeric Complexes of Tungsten(VI), (V), (IV), and (III) with the 1,4,7-Triazacyclononane (L) Ligand. Crystal Structures of Dimeric $[\text{W}_2\text{L}_2(\bar{\text{O}}\text{H})_2\text{Br}_2]\text{Br}_2 \cdot 2\text{H}_2\text{O}$ and of Trimeric $[\text{W}_3\text{L}_3(\bar{\text{O}}\text{H})_3][\text{ZnBr}_4]_2$. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **1985**, 524, 23-36 1.3 22
- 119 Übergangsmetallkomplexe der Pyrazin-2,6-dicarbonsäure und der Pyridin-2,6-dicarbonsäure: Synthesen und Elektrochemie. Die Kristallstruktur von $\text{NH}_4[\text{RuCl}_2(\text{dipicH})_2]$. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **1985**, 524, 40-50 1.3 13
- 118 Komplexe des Chroms mit 1,5,9-Triazacyclododecan: Darstellung, Magnetismus und Kristallstruktur von Tri-Hydroxo-bis[(1,5,9-triazacyclododecan)chrom(III)] tribromid Dihydrat; Kinetik und Mechanismus der Brückenspaltung mit Hydroxidionen. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **1985**, 527, 23-44 1.3 13
- 117 Preparation and crystal structure of tetrameric $[\text{Ti}_4(\text{C}_6\text{H}_{15}\text{N}_3)_4(\bar{\text{O}})_6]\text{Br}_4 \cdot 4\text{H}_2\text{O}$ containing an adamantane Ti_4O_6 Core. *Inorganica Chimica Acta*, **1985**, 99, L25-L27 2.7 22
- 116 Preparation, Magnetism, and Crystal Structures of the Tautomers $[\text{LCu}(\bar{\text{O}}\text{H})_2\text{CuL}](\text{ClO}_4)_2$ (Blue) and $[\text{LCu}(\bar{\text{O}}\text{H}_2)(\bar{\text{O}}\text{H})\text{CuL}](\text{ClO}_4)_2$ (Green): $\bar{\text{O}}\text{H}$ - $\bar{\text{O}}\text{H}_2$ vs. Di-Hydroxo Linkage. *Angewandte Chemie International Edition in English*, **1985**, 24, 57-59 60
- 115 Reactivity of the $[\text{Fe}_2(\bar{\text{O}})(\bar{\text{O}}\text{Ac})_2]$ Unit in Methemerythrin Model Compounds towards N and NCS?. *Angewandte Chemie International Edition in English*, **1985**, 24, 392-393 35
- 114 Distortional Isomers of $[\text{LWOCl}_2]^+$ in the Solid State and in Solution; Crystal Structures of the Blue and Green Forms of $[\text{LWOCl}_2]\text{PF}_6$. *Angewandte Chemie International Edition in English*, **1985**, 24, 777-778 23
- 113 $[\text{L}_2\text{Fe}(\bar{\text{O}}\text{H})(\bar{\text{O}}\text{CH}_3\text{CO}_2)_2](\text{ClO}_4)_2 \cdot \text{H}_2\text{O}$, a Model Compound for the Diiron Centers in Deoxyhemerythrin. *Angewandte Chemie International Edition in English*, **1985**, 24, 778-779 72
- 112 Herstellung, Magnetismus und Kristallstrukturen der Tautomere $[\text{LCu}(\bar{\text{O}}\text{H})_2\text{CuL}](\text{ClO}_4)_2$ (blau) und $[\text{LCu}(\bar{\text{O}}\text{H}_2)(\bar{\text{O}}\text{H})\text{CuL}](\text{ClO}_4)_2$ (grün): $\bar{\text{O}}\text{H}$ - $\bar{\text{O}}\text{H}_2$ - vs. Di-Hydroxo-Verknüpfung. *Angewandte Chemie*, **1985**, 97, 55-56 3.6 15

111	Die Reaktivität des $[\text{Fe}_2(\mu\text{-O})(\mu\text{-Acetato})_2]$ -Strukturelements in Methemerythrin-Modellverbindungen gegenüber N_2 und NCS ?. <i>Angewandte Chemie</i> , 1985 , 97, 415-416	3.6	8
110	Distorsionsisomere vom $[\text{LWOCl}_2]^+$ im festen Zustand und in Lösung; Kristallstrukturen der blauen und der der großen Form von $[\text{LWOCl}_2]\text{PF}_6$. <i>Angewandte Chemie</i> , 1985 , 97, 773-774	3.6	9
109	$[\text{L}_2\text{Fe}_2(\mu\text{OH})(\mu\text{CH}_3\text{CO}_2)_2](\text{ClO}_4)_2 \cdot 2\text{H}_2\text{O}$, eine Modellverbindung der Dieisenzentren in Desoxyhemerythrin. <i>Angewandte Chemie</i> , 1985 , 97, 774-775	3.6	19
108	Ferromagnetic intramolecular interactions in a bis(μ -bromo)-bridged copper(II) dimeric compound: crystal structure and molecular structure determination, electron paramagnetic resonance studies, and magnetic susceptibility measurements on	5.1	38
107	Preparation and characterization of binuclear complexes of molybdenum(III) and molybdenum(V) via oxidative decarbonylation. Reactions of $\text{LMO}(\text{CO})_3$ (L = 1,5,9-triazacyclododecane) and crystal structure of anti- $[\text{L}_2\text{Mo}_2\text{O}_4](\text{ClO}_4)_2 \cdot 2\text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 1985 , 24, 3151-3155	5.1	25
106	Preparation and electrochemical investigation of monomeric complexes of molybdenum(0-VI) with the ligand 1,4,7-trimethyl-1,4,7-triazacyclononane (L). Crystal structure of $[\text{MoVLBr}_3](\text{PF}_6)$. <i>Inorganic Chemistry</i> , 1985 , 24, 485-491	5.1	39
105	Coordination chemistry of the bimacrocylic, potentially binucleating ligand 1,2-bis(1,4,7-triaza-1-cyclononyl)ethane (dtne). Electrochemistry of its first transition series metal(II,III) complexes. Characterization of the new hemerythrin model complex	5.1	112
104	Preparation, characterization, and electrochemistry of novel, air-stable nitrosyl complexes of molybdenum and tungsten of the type $\{\text{M-NO}\}_6,5,4$ containing the ligand N,N',N'' -trimethyl-1,4,7-triazacyclononane. <i>Inorganic Chemistry</i> , 1985 , 24, 4044-4049	5.1	15
103	Assembly and structural characterization of binuclear μ -oxo-di- μ -acetato bridged complexes of manganese(III). Analogues of the di-iron(III) centre in hemerythrin. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 347-349		114
102	Syntheses, magnetic properties, and crystal structures of the dimers $[\text{LNi}(\mu\text{-N}_3)_3\text{NiL}](\text{ClO}_4)$ and $[\text{L}_2\text{Ni}_2(\text{N}_3)_2(\mu\text{-N}_3)_2](\text{L} = \text{N,N',N''}$ -trimethyl-1,4,7-triazacyclononane; $\text{L}' = 1,5,9$ -triazacyclododecane); μ -triazido-vs. μ -diazido-bridging. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 1618-1620		57
101	Kinetics and mechanism of the equilibration reaction between (2,2',2''-nitrilotriethoxy)nitrosylvanadate(IV) and cyanide. Crystal structures of sodium (2,2',2''-nitrilotriethoxy)nitrosylvanadate(I) sodium perchlorate tetrahydrate and of barium		10
100	Study of intradimer and interdimer exchange interactions in dichlorobis(diethylenetriamine)dycopper perchlorate ($[\text{Cu}_2(\text{dien})_2\text{Cl}_2](\text{ClO}_4)_2$) by electron paramagnetic resonance and magnetic susceptibility measurements. <i>Inorganic Chemistry</i> , 1985 , 24, 1307-1312	5.1	39
99	An unusual Cu(I)-promoted desulphurisation of thiourea: synthesis and crystal structure of di- μ -hydrogencyanamido(μ)-bis[(N,N',N'' -trimethyl-1,4,7-triazacyclononane)copper(II)] di-perchlorate monohydrate. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 265-266		17
98	Crystallographic study of the low-spin iron(II) and iron(III) bis complexes of 1,4,7-triazacyclononane. <i>Inorganic Chemistry</i> , 1985 , 24, 2926-2931	5.1	68
97	Monomeric complexes of tungsten (0-VI) containing the ligand N,N',N'' -trimethyl-1,4,7-triazacyclononane and their electrochemical properties. Preparation of $[\text{L}_2\text{W}_2\text{O}_5](\text{PF}_6)_2$ and identification of its mixed-valence tungsten (VI)/tungsten(V) complex. <i>Inorganic Chemistry</i> , 1985 , 24, 4046-4054	5.1	22
96	Synthesis, Crystal Structure and Electrochemistry of μ -Acetatodi-hydroxo-bis[(1,4,7-triazacyclononane)ruthenium(III)]-tris-iodide. Characterization of Some Ru(II)/Ru(III) Mixed Valence Species. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemistry</i> , 1984 , 39, 1231-1236	1	21
95	The reaction of cis-dioxo-bis(N-methylhydroxylamido(1)-(O,N))molybdenum(VI) with alkyl-isocyanates. Crystal structure of cis-dioxo-bis(N-tert.butyl-N'-methyl-N'-oxo-ureato(1)-(O,O'))molybdenum(VI). <i>Inorganica Chimica Acta</i> , 1984 , 89, L31-L32	2.7	6
94	Hydroxylamine complexes of chromium. The crystal structure of diaquanitrosyl(pyridine-2,6-dicarboxylato)chromium. <i>Inorganica Chimica Acta</i> , 1984 , 89, L43-L45	2.7	11

93	Exchange interactions in a trigonal chromium (III) dimer. Optical spectroscopy of tris-(hydroxo)-bis-[(1,4,7-trimethyl-1, 4,7-triazacyclononane) chromium(III)] triperchlorate. <i>Chemical Physics Letters</i> , 1984 , 110, 552-555	2.5	10
92	A Binuclear, Mixed-Valence MoVI/V-Complex; The Crystal Structure of [(C ₉ H ₂₁ N ₃) ₂ Mo ₂ VO ₅](Br ₃) ₂ . <i>Angewandte Chemie International Edition in English</i> , 1984 , 23, 899-900		25
91	Hydrolyseprodukte des monomeren Aminkomplexes (C ₆ H ₁₅ N ₃)FeCl ₃ : Die Struktur des octameren Eisen(III)-Kations von {[(C ₆ H ₁₅ N ₃) ₆ Fe ₈ (μ-O) ₂ (μ-OH) ₁₂]Br ₇ (H ₂ O)}Br ₈ H ₂ O. <i>Angewandte Chemie</i> , 1984 , 96, 66-67	3.6	33
90	Zweikerniger, gemischtvalenter MoVI/V-Komplex; Kristallstruktur von [(C ₉ H ₂₁ N ₃) ₂ Mo ₂ VO ₅](Br ₃) ₂ . <i>Angewandte Chemie</i> , 1984 , 96, 890-891	3.6	8
89	Intramolecular electron-transfer reactions in bridged polynuclear ruthenium(II)-cobalt(III) complexes containing a (μ-carboxylato)bis(μ-hydroxo)bis[(amine)cobalt(III)] and a pentaammineruthenium(II) structural unit. <i>Journal of the American Chemical Society</i> , 1984 , 106, 5532-5537	16.4	6
88	Kinetics and mechanism of the oxidation of bis(μ-hydroxo)bis[aqua(1,4,7-triazacyclononane)molybdenum(III)](4+) by perchlorate. Acid-base-catalyzed trans-fwdarw. cis isomerization of	5.1	13
87	Reactions of LM(CO) ₃ complexes (M = Cr, Mo, W; L = 1,4,7-triazacyclononane) with bromine, iodine, and nitric acid. Syntheses of air-stable hydridocarbonyl and hydridonitrosyl complexes. Crystal structure of [LMo(CO) ₃ Br](ClO ₄).H ₂ O. <i>Inorganic Chemistry</i> , 1984 , 23, 427-432	5.1	52
86	Synthesis and crystal structure of bis(μ-hydroxo)bis[oxo(1,4,7-triazacyclononane)vanadium(IV)] dibromide, a μ-hydroxo-bridged cation with antiferromagnetically coupled vanadium(IV) centers. <i>Inorganic Chemistry</i> , 1984 , 23, 1387-1389	5.1	46
85	Adiabatic intramolecular electron transfer in pyrazine-2,6-dicarboxylato-bridged complexes of cobalt(III)-ruthenium(II) and of cobalt(III)-iron(II): comparison of inner-sphere vs. outer-sphere activated complexes. <i>Inorganic Chemistry</i> , 1984 , 23, 3435-3443	5.1	8
84	The Crystal Structure and Magnetic Behavior of [Cu ₂ (dien) ₂ Cl ₂](ClO ₄) ₂ . <i>Molecular Crystals and Liquid Crystals</i> , 1984 , 107, 161-170		24
83	Preparation and characterization of binuclear (1,4,7-triazacyclononane)molybdenum(III) complexes. Crystal structures of [MoIII ₂ (μ-OH) ₂ Cl ₂ (C ₆ H ₁₅ N ₃) ₂] ₂ I ₂ and [MoIII ₂ (μ-OH) ₂ (μ-O ₂ CCH ₃)(C ₆ H ₁₅ N ₃) ₂] ₃ .H ₂ O. <i>Inorganic Chemistry</i> , 1984 , 23, 94-99	5.1	47
82	Charakterisierung von Distorsionsisomeren der Anionen Pentacyano-oxo-molybdat(IV) sowie Tetracyano-oxo-aqua-molybdat(IV) im festen Zustand. Kristallstrukturen von [(C ₆ H ₅) ₄ P] ₃ [MoO(CN) ₅] ₇ ·H ₂ O (grün), [(C ₆ H ₅) ₄ As] ₂ [MoO(OH ₂)(CN) ₄] ₄ ·H ₂ O (blau) und [MoO(CN) ₅] ₇ ·O(C ₁₀ H ₈ N) ₂ ·2H ₂ O (rot). <i>Zeitschrift für anorganische und allgemeine Chemie</i> , 1983 , 513, 113-117	1.3	40
81	Synthesis of a Tetranuclear Manganese(IV) Cluster with Adamantane Skeleton: [(C ₆ H ₁₅ N ₃) ₄ Mn ₄ O ₆] ₄ ⁺ . <i>Angewandte Chemie International Edition in English</i> , 1983 , 22, 328-329		62
80	The Cation Di-Exo-trans-dioxobis[(1,4,7-triazacyclononane)molybdenum(V)](MoMo) and its Acid-Catalyzed cis-Isomerization. <i>Angewandte Chemie International Edition in English</i> , 1983 , 22, 491-492		20
79	Das Kation Di-Exo-trans-dioxo-bis [(1,4,7-triazacyclononan) molybd(V)] (MoMo) und seine säurekatalysierte cis-Isomerisierung. <i>Angewandte Chemie International Edition in English</i> , 1983 , 22, 583-598		1
78	{[(C ₆ H ₁₅ N ₃)Fe] ₂ (EO)(ECH ₃ CO ₂) ₂] ₂ ⁺ a Dinuclear Iron, (III)Complex with a Metazidohemerythrin-Type Structure. <i>Angewandte Chemie International Edition in English</i> , 1983 , 22, 727-727		103
77	Synthesis and crystal structure of bis(1,4,7-triazacyclononane-NN?)platinum(II) dibromide dehydrate and its facile oxidation by oxygen: characterisation of bis(1,4,7-triazacyclononane-NN?)platinum(IV) tetraperchlorate. <i>Journal of the Chemical Society Dalton Transactions</i> , 1983 , 1869-1872		35
76	Redox potentials of bis(1,4,7-triazacyclononane) complexes of some first transition series metals(II,III). Preparation of bis(1,4,7-triazacyclononane)nickel(III) perchlorate. <i>Inorganic Chemistry</i> , 1983 , 22, 2953-2956	5.1	105

75	Molybdenum-95 NMR studies of dioxo, oxo-sulfido, oxo-selenido, and disulfido complexes of molybdenum(VI). <i>Inorganic Chemistry</i> , 1983 , 22, 3952-3953	5.1	21
74	Selectivity of outer-sphere electron-transfer reactions. 3. <i>Inorganic Chemistry</i> , 1983 , 22, 688-690	5.1	6
73	Preparation and properties of a novel cobalt-chromium(Co ²⁺ Cr ³⁺) complex. <i>Inorganic Chemistry</i> , 1983 , 22, 1253-1254	5.1	3
72	Exchange coupling in tris(μ -hydroxo)bis[(1,4,7-trimethyl-1,4,7-triazacyclononane)chromium(III)] triperchlorate trihydrate. <i>Inorganic Chemistry</i> , 1983 , 22, 1725-1729	5.1	32
71	Reaction between hydroxylamine and molybdate(VI): preparation of the complexes [Mo(NO)(CN) ₅] ²⁻ , [Mo(NO)(H ₂ NO)Cl ₄] ²⁻ , and [Mo(NO)(H ₂ NO)(N ₃) ₄] ²⁻ . Crystal structure of [(C ₆ H ₅) ₄ P] ₂ [Mo(NO)(H ₂ NO)(N ₃) ₄].H ₂ O. <i>Inorganic Chemistry</i> , 1983 , 22, 1221-1224	5.1	42
70	Metallkomplexe der Liganden 1.4.7-Triazacyclononan-N,N',N''-tris-2-ethansulfonat (TES) und 1.4.7-Triazacyclononan-N,N',N''-trisethylacetat (TEA). Die Kristallstrukturen von Na[Ni(TES)(H ₂ O)] ₃ H ₂ O und Na[Cu(TES)] ₃ H ₂ O / Transition Metal Complexes Containing the	1	16
69	1,4,7-Triazacyclononane-N,N',N''-triacetate (TCTA), a new hexadentate ligand for divalent and trivalent metal ions. Crystal structures of [Cr(III)(TCTA)], [Fe(III)(TCTA)], and Na[Cu(II)(TCTA)]. ₂ NaBr. ₈ H ₂ O. <i>Inorganic Chemistry</i> , 1982 , 21, 4308-4314	5.1	112
68	Electron transfer. 54. Remote attack in the reductions of carboxylato-bridged dicobalt(III) complexes. <i>Inorganic Chemistry</i> , 1982 , 21, 2531-2537	5.1	4
67	New triply hydroxo-bridged complexes of chromium(III), cobalt(III), and rhodium(III): crystal structure of tris(μ -hydroxo)bis[(1,4,7-trimethyl-1,4,7-triazacyclononane)chromium(III)] triiodide trihydrate. <i>Inorganic Chemistry</i> , 1982 , 21, 3086-3090	5.1	121
66	Reduction of cobalt(III) complexes by intramolecular electron transfer from bound free radicals. A pulse radiolytic study. <i>Journal of the Chemical Society Dalton Transactions</i> , 1982 , 943		19
65	Hydroxylamido(1-)-Komplexe des Titan(IV) und Zirkonium(IV) Die Kristall- und Molekülstruktur von Tetrakis-(N,N-diethylhydroxylamido(1-)-O,N)titan(IV). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1982 , 490, 182-190	1.3	31
64	Hydroxylamido(1-)-O,N-Komplexe des Molybdäns(VI) mit terminalen Oxo-, Sulfido- und Selenido-Liganden Die Kristallstrukturen von [MoO ₂ (C ₅ H ₁₀ NO) ₂] und von [MoS ₂ (C ₅ H ₁₀ NO) ₂]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1982 , 492, 164-174	1.3	31
63	Complexes of (hydroxylamido-O,N)molybdenum(VI). Preparation and crystal structures of dicesium bis(benzohydroximato)-cis-dioxomolybdate(VI) hydrate and of (benzohydroximato)(benzohydroximato)(N,N-dimethylhydroxylamido-O,N)oxomolybdenum(VI). <i>Inorganic Chemistry</i> , 1981 , 20, 343-348	5.1	16
62	Reactions of hydroxylamido-(O,N) complexes of vanadium(V) and of molybdenum(VI) with oxalic acid. Crystal structure of (Et ₂ NHOH) ₂ [Mo ₂ O ₄ (Et ₂ NO) ₂ (C ₂ O ₄) ₂]: a μ -dioxo complex containing two pentagonal-bipyramidal molybdenum(VI) ions. <i>Inorganic Chemistry</i> , 1981 , 20, 3436-3439	5.1	11
61	Darstellung und Kristallstruktur von Bis-(N-Methylhydroxylamido(1-)-O,N)(N-methyl-N-oxo-dithiocarbamato-O,S)- oxo-molybdän(VI) / Synthesis and Crystal Structure of Bis(N-methylhydroxylamido(1-)-O,N)-(N-methyl-N-oxo-dithiocarbamato-O,S)-oxo-molybdenum(VI). <i>Zeitschrift Fur Naturforschung -</i>	1	4
60	Konfigurationsisomerisierung an N,N-disubstituierten Hydroxylamido(1-)-O,N-molybdän(VI)-Komplexen. <i>Angewandte Chemie</i> , 1981 , 93, 303-304	3.6	8
59	Synthesen mit (Hydroxylamido(1-)-O,N)molybdän(VI)-Komplexen und Alkylcyaniden. Die Strukturen von Bis(N-hydroxy-Nmethylacetamidinato(1-)-O,N)(N-methyl-hydroxylamido(1-)-O,N)oxomolybdän(VI)-perchlorat und von Oxo-bis[N-hydroxy-N-methylacetamidinato(1-)-O,N]-molybdän(VI)		16
58	Configurational Isomerization of N,N-Disubstituted Hydroxylamido(1-)-O,N-Molybdenum(VI) Complexes. <i>Angewandte Chemie International Edition in English</i> , 1981 , 20, 282-283		19

57	Neue \square -Hydroxo-Bergangsmetallkomplexe, III. Darstellung zweikerniger Komplexe des Rhodiums(III) mit einer \square -Acetato- und \square -Carbonato-Brücke. Die Struktur des trans-Diaqua-di- \square -hydroxo-bis[(1,4,7-triazacyclononan)rhodium(III)]-Kations. <i>Chemische Berichte</i> , 1980 , 112 , 25-41			20
56	Reaktionen von Hydroxylamin mit Molybd(VI): Synthese von (Hydroxylamido-O,N)nitrosylmolybd-Komplexen. Die Struktur des [(Hydroxylamido-O,N)nitrosylbis(1,10-phenanthrolin)molybd]-Kations. <i>Chemische Berichte</i> , 1980 , 112 , 122-123			25
55	Outer Sphere Electron Transfer Reactions: A Novel Linear Relationship between the Selectivity and the Normal Potential of the Reducing Agent. <i>Angewandte Chemie International Edition in English</i> , 1980 , 19 , 558-559			4
54	Kinetics and mechanism of some reactions of chelated complexes of titanium(IV) with hydrogen peroxide. Synthesis and crystal structure of cesium tetra- μ -oxo-tetrakis[nitrilotriacetato]titanate(IV) hexahydrate. <i>Inorganic Chemistry</i> , 1980 , 19 , 2514-2519	5.1		27
53	Complexes of (hydroxylamido-O,N)molybdenum(VI). Preparation and crystal structures of [MoO(H(CH ₃)NO) ₂ (HNC(S)N(CH ₃)O)] and [MoO(H(CH ₃)NO)(HNC(S)N(CH ₃)O)(H ₂ NC(S)N(CH ₃)O)].H ₂ O. <i>Inorganic Chemistry</i> , 1980 , 19 , 2927-2932	5.1		25
52	Synthesis and kinetics of the decarboxylation of two carbonate-bridged complexes of chromium(III) and rhodium(III). Crystal structure of μ -carbonato-di- μ -hydroxo-bis[(1,4,7-triazacyclononane)chromium(III)] diiodide hydrate. <i>Inorganic Chemistry</i> , 1980 , 19 , 2922-2926	5.1		26
51	Activation energies for an intramolecular electron transfer reaction. <i>Inorganic Chemistry</i> , 1980 , 19 , 966-968			13
50	Outer-sphere electron-transfer reactions of binuclear complexes of cobalt(III): assessment of an inductive effect on the rates. A linear relationship between the selectivity of redox reactions and the reduction potentials of the reductants. <i>Inorganic Chemistry</i> , 1980 , 19 , 3688-3695	5.1		7
49	Some Reactions of Complexes of Vanadium(V) with Hydroxylamin: Formation of nitrosyl- and Hydroxylamido(1 \square)-complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1979 , 457 , 75-83	1.3		9
48	Thermal intramolecular cobalt(III)-iron(II) and cobalt(III)-titanium(III) electron-transfer reactions involving outer-sphere and inner-sphere precursor complexes. <i>Inorganic Chemistry</i> , 1979 , 18 , 1799-1807	5.1		10
47	Kinetics of the diperoxovanadate(V)-monoperoxovanadate(V) conversion in perchloric acid media. <i>Inorganic Chemistry</i> , 1979 , 18 , 869-871	5.1		21
46	Neue \square -Hydroxo-Bergangsmetallkomplexe, I. Darstellung und Struktur des trans-Diaqua-di- \square -hydroxo-bis[(1,4,7-triazacyclononan)cobalt(III)]-Kations; Kinetik und Mechanismus seiner Bildung. <i>Chemische Berichte</i> , 1979 , 112 , 2220-2230			74
45	Neue \square -Hydroxo-Bergangsmetallkomplexe, II. Darstellung mehrkerniger Komplexe des Chroms(III) mit dreizähligen Amin-Liganden. Struktur des [cis-Dihydroxo(O,O \square)-hydroxo(l,4,7-triazacyclononan)chrom(III)]-di- \square -hydroxobis[(1,4,7-triazacyclononan)chrom(III)]-Kation <i>Chemische Berichte</i> , 1979 , 112 , 2837-2846			20
44	Elektronentransfer bei Bergangsmetallkomplexen. <i>Chemie in Unserer Zeit</i> , 1979 , 13 , 118-125	0.2		8
43	Reactions of Molybdate(VI) with Hydroxylamine and N-Methylhydroxylamine. <i>Angewandte Chemie International Edition in English</i> , 1979 , 18 , 548-549			26
42	Synthesis of a Hydroxylamido(2 \square -O,N-(nitrosyl)molybdenum Complex. <i>Angewandte Chemie International Edition in English</i> , 1979 , 18 , 549-549			10
41	Reaktionen von Molybd(VI) mit Hydroxylamin und N-Methylhydroxylamin. <i>Angewandte Chemie</i> , 1979 , 91 , 582-583	3.6		19
40	Synthese eines Hydroxylamido(2 \square -O, N-(nitrosyl)-molybd-Komplexes. <i>Angewandte Chemie</i> , 1979 , 91 , 583-584	3.6		14

- 39 Intramolekulare Oxidation isomerer Dihydroxybenzoesäuren durch Kobalt(III): Kinetik und Mechanismus. *Chemische Berichte*, **1978**, 111, 832-842 3
- 38 Intramolecular Electron Transfer from Iron(II) to Cobalt(III) through 2,4,6-Pyridinetricarboxylate as Mediating Bridging Ligand. *Angewandte Chemie International Edition in English*, **1978**, 17, 205-206 3
- 37 Dipicolinato(hydroxylamido-O,N)(nitrosyl)aquavanadate A Nitrosyl Complex of Vanadium with Side on C Coordinated Hydroxylamine. *Angewandte Chemie International Edition in English*, **1978**, 17, 351-352 31
- 36 Intramolecular Electron Transfer of Coordinated Pyrazinecarboxylato Radicals to Cobalt(III): A Pulse Radiolytic Study. *Angewandte Chemie International Edition in English*, **1978**, 17, 608-609 13
- 35 Intramolekulare Elektronenübertragung von Eisen(II) zu Cobalt(III) durch 2,4,6-Pyridinetricarboxylat als leitenden Brückenliganden. *Angewandte Chemie*, **1978**, 90, 218-219 3.6 2
- 34 Dipicolinato(hydroxylamido-O,N)(nitrosyl)aquavanadat Ein Nitrosylkomplex des Vanadiums mit Side on koordiniertem Hydroxylamin. *Angewandte Chemie*, **1978**, 90, 381-382 3.6 14
- 33 Intramolekulare Elektronenübertragung koordinierter Pyrazincarboxylato-Radikale zu Cobalt(III): Eine pulsradiolytische Untersuchung. *Angewandte Chemie*, **1978**, 90, 632-633 3.6 12
- 32 Preparation and characterization of dipicolinatovanadium(V) complexes. Kinetics and mechanism of their reaction with hydrogen peroxide in acidic media. *Inorganic Chemistry*, **1978**, 17, 57-64 5.1 57
- 31 Isomeric pyrimidinecarboxylic acids as electron-mediating bridging ligands in the inner-sphere reduction of cobalt(III) by chromium(II). *Inorganic Chemistry*, **1978**, 17, 221-224 5.1 2
- 30 Titanium(III) reductions of binuclear and tetranuclear .mu.-carboxylato cobalt(III)-ammine complexes. Evidence for remote attack of titanium(III) at an unprotonated carboxylate. *Inorganic Chemistry*, **1978**, 17, 1130-1134 5.1 9
- 29 Intramolecular Electron Transfer Through a Bridging Carboxylate Group Coordinated to Two Cobalt(III)-Ions: A Pulse Radiolytic Study. *Zeitschrift Fur Elektrotechnik Und Elektrochemie*, **1978**, 82, 388-392 11
- 28 The Cr²⁺ and V²⁺ reduction of .mu.-carboxylato dicobalt(III) ammine complexes. Part VIII. The mechanism of reduction of the di-.mu.-hydroxo-.mu.-oxalato-bis[triammincobalt(III)] complex. *Journal of the Chemical Society Dalton Transactions*, **1977**, 78-81 3
- 27 Kinetics and mechanisms of the reductions of .mu.-(carboxyacetylenecarboxylato-O,O')-di-.mu.-hydroxo-bis[triammincobalt(III)] and its .mu.-(Fumarato-O,O') analog by vanadium(II). *Inorganic Chemistry*, **1977**, 16, 1287-1290 5.1 3
- 26 Reaction sequence in the hydroxo-bridge cleavage of the tri-.mu.-hydroxo-bis[triammincobalt(III)] complex. Identification of an isomerization step. *Inorganic Chemistry*, **1977**, 16, 1935-1937 5.1 12
- 25 Kinetic and Electron Spin Resonance spectroscopic evidence for a chemical mechanism in the chromium(II) reduction of two (pyrazinecarboxylato)ammincobalt(III) complexes. *Inorganic Chemistry*, **1977**, 16, 1290-1294 5.1 17
- 24 Electron transfer through a carbon-carbon triple bond: kinetics and mechanisms of the reductions of .mu.-(carboxyacetylenecarboxylato-O,O')-di-.mu.-hydroxo-bis[triammincobalt(III)] and related complexes by chromium(II) and vanadium(II). *Journal of the Chemical Society Dalton Transactions*, **1977**, 153-158 4
- 23 The Cr²⁺ and V²⁺ reduction of .mu.-carboxylato dicobalt(III) ammine complexes. Part VII. The preparation and mechanism of reduction of .mu.-malonato-, .mu.-dimethylmalonato-, and .mu.-glycolato-complexes. *Journal of the Chemical Society Dalton Transactions*, **1976**, 2176-2180 3
- 22 The Cr²⁺ and V²⁺ reduction of .mu.-carboxylato-dicobalt(III) ammine complexes. Part V. The mechanism of reduction of .mu.-maleato- and .mu.-fumarato-complexes. *Journal of the Chemical Society Dalton Transactions*, **1976**, 153-158 3

21	Outer-sphere mechanisms in the reductions of polynuclear μ -terephthalato cobalt(III) complexes by chromium(II) and vanadium(II). <i>Inorganic Chemistry</i> , 1976 , 15, 2315-2317	5.1	1
20	Kinetics and mechanisms of the reductions of three isomeric μ -pyridinecarboxylato-di- μ -hydroxo-bis[triammincobalt(III)] complexes by chromium(II) and vanadium(II). <i>Inorganic Chemistry</i> , 1976 , 15, 909-914	5.1	8
19	Die Kinetik und der Mechanismus der Reduktion zweier isomerer μ -Cyanobenzoato-di- μ -Hydroxo-bis [triammincobalt(III)] Komplexe mit Chrom(II) und Vanadin(II). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1976 , 425, 145-150	1.3	3
18	Cobalt-59 nuclear magnetic resonance study of μ -carboxylato-di- μ -hydroxo-bis[triammincobalt(III)] complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1975 , 2364		2
17	Cobalt-59 nuclear magnetic resonance study of some polynuclear cobalt(III) complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1975 , 1015		4
16	The Cr ²⁺ and V ²⁺ reduction of μ -carboxylato-dicobalt(III) ammine complexes. Part III. The mechanism of reduction of μ -benzoato- and μ -o-chlorobenzoato-complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1974 , 651-654		6
15	Reactions of μ -hydroxo-dicobalt(III) complexes. Part XII. Equilibrium and kinetic studies on hydroxo-bridge cleavage reactions of two triply-bridged dicobalt(III) complexes in aqueous perchloric acid solutions. <i>Journal of the Chemical Society Dalton Transactions</i> , 1974 , 2198-2204		8
14	Preparation and characterization of polynuclear cobalt(III) complexes with bridging carboxylato-ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1973 , 2548		16
13	Crystal structure of di- μ -hydroxo-trans-diaquo-bis[triammincobalt(III)] tetranitrate dihydrate, and a possible mechanism for the formation of the cation. <i>Journal of the Chemical Society Dalton Transactions</i> , 1973 , 2669-2674		6
12	μ -Oxalato-cobalt(III) complexes. <i>Inorganic Chemistry</i> , 1973 , 12, 655-663	5.1	74
11	Die Kristallstrukturen von Hexamminchrom(III)-Hexafluoromanganat(III) und Hexamminchrom(III)-Hexafluoroferrat(III). <i>Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry</i> , 1972 , 28, 529-534		14
10	Mehrkernige Kobalt(III)-Ammin-Komplexe mit Oxalat als zwei- und dreizähligen Liganden. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1972 , 391, 142-154	1.3	9
9	cis-Tricyanotriamminkobalt(III). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1971 , 380, 30-36	1.3	8
8	Zur Kenntnis der Hexafluoromanganate(III). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1971 , 381, 12-20	1.3	15
7	Die Molekül- und Kristallstruktur von [Co ₃ (CN) ₂ {(OH) ₄ }(NH ₃) ₈][Co ₂ (NO ₂) ₆ {(OH) ₂ , NO ₂ }] · 8H ₂ O. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1971 , 383, 151-157	1.3	5
6	Di- μ -Sulfato- μ -Hydroxo-bis[triammincobalt(III)]- und Di- μ -Selenato- μ -Hydroxo-bis[triammincobalt(III)]-Komplexe. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1971 , 383, 240-248	1.3	14
5	Die Molekül- und Kristallstruktur von Di- μ -Sulfato- μ -Hydroxo-bis[triammincobalt(III)]sulfat-8-Hydrat. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1971 , 385, 289-296	1.3	7
4	Schwingungsspektren und kristallgitter von hexamminchrom(III)- und hexammincobalt(III)-hexafluoro-metallaten(III). <i>Journal of Molecular Structure</i> , 1971 , 7, 305-313	3.4	20

- 3 Nitro-di-Hydroxo-bis[trinitro-kobaltat(III)]-Komplexe. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **1970**, 374, 186-190 1,3 3
- 2 Notizen: Raman - Spektren einiger Hexafluorometallate(III). *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **1970**, 25, 105-105 1 11
- 1 Die Kristall- und Molekülstruktur von $[\text{Co}_3(\text{NH}_3)_8(\text{OH})_2(\text{NO}_2)_2(\text{CN})_2](\text{ClO}_4)_3 \cdot \text{NaClO}_4 \cdot 2\text{H}_2\text{O}$. *Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry*, **1970**, 26, 1709-1712 6