

# Klaus H Theopold

## List of Publications by Citations

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143  
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153  
ext. papers

6,118  
ext. citations

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L-index

#	Paper	IF	Citations
143	C-H bond activations by metal oxo compounds. <i>Chemical Reviews</i> , <b>2010</b> , 110, 1060-81	68.1	442
142	Variable character of O-O and M-O bonding in side-on ( $\eta^2$ ) 1:1 metal complexes of O <sub>2</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 3635-40	11.5	280
141	Homogeneous Chromium Catalysts for Olefin Polymerization. <i>European Journal of Inorganic Chemistry</i> , <b>1998</b> , 1998, 15-24	2.3	221
140	The shortest metal-metal bond yet: molecular and electronic structure of a dinuclear chromium diazadiene complex. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 14162-3	16.4	192
139	[(Ph) <sub>2</sub> nacnac]MCl <sub>2</sub> (THF) <sub>2</sub> (M = Ti, V, Cr): A New Class of Homogeneous Olefin Polymerization Catalysts Featuring $\eta^2$ -Diimine Ligands. <i>Organometallics</i> , <b>1998</b> , 17, 4541-4543	3.8	163
138	Crystal structure of a side-on superoxo complex of cobalt and hydrogen abstraction by a reactive terminal oxo ligand. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 2445-2446	16.4	149
137	Paramagnetic alkylchromium compounds as homogeneous catalysts for the polymerization of ethylene. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 893-902	16.4	145
136	Intramolecular C-H activation by an open-shell cobalt(III) imido complex. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 1508-10	16.4	133
135	A chromium catalyst for the polymerization of ethylene as a homogeneous model for the phillips catalyst. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 1082-3	16.4	128
134	The (Ph) <sub>2</sub> nacnac Ligand in Organochromium Chemistry. <i>Organometallics</i> , <b>2002</b> , 21, 952-960	3.8	120
133	Paramagnetic (Benzyl)chromium Complexes as Homogeneous Ethylene Polymerization Catalysts. <i>Organometallics</i> , <b>1995</b> , 14, 738-745	3.8	114
132	Binding and activation of small molecules by three-coordinate Cr(I). <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 8090-1	16.4	113
131	Hydrogen tunneling in the activation of dioxygen by a tris(pyrazolyl)borate cobalt complex. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 6979-6980	16.4	95
130	Organochromium(III) chemistry: a neglected oxidation state. <i>Accounts of Chemical Research</i> , <b>1990</b> , 23, 263-270	24.3	94
129	Intramolecular C-H activation by inferred terminal cobalt imido intermediates. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 4440-1	16.4	86
128	Constrained Geometry Chromium Catalysts for Olefin Polymerization. <i>Organometallics</i> , <b>1996</b> , 15, 5284-5286	3.86	86
127	Cationic chromium(III) alkyls as olefin polymerization catalysts. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 5902-5903	16.4	85

126	Molecular precursors for indium phosphide and synthesis of small III-V semiconductor clusters in solution. <i>Inorganic Chemistry</i> , <b>1991</b> , 30, 594-596	5.1	82
125	A tale of two isomers: a stable phenyl hydride and a high-spin (S=3) benzene complex of chromium. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 6692-4	16.4	77
124	Can Spin State Change Slow Organometallic Reactions?. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 11745-11748	16.4	77
123	Structural Distortion of the TpCo-L Fragment (Tp = tris(pyrazolyl)borate). Analysis by X-ray Diffraction and Density Functional Theory. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 1703-1712	16.4	76
122	Structure and Reactivity of Trimethylsilylmethyl Complexes of Chromium, Including the 13-Electron Alkyl Cp*Cr(CH <sub>2</sub> SiMe <sub>3</sub> ) <sub>2</sub> . <i>Organometallics</i> , <b>1998</b> , 17, 5477-5485	3.8	73
121	[(.eta.5-C <sub>5</sub> R <sub>5</sub> )CrR] <sub>n</sub> : A New Class of Paramagnetic Alkyls and Hydrides of Divalent Chromium. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 11387-11396	16.4	72
120	Synthesis and reaction chemistry of a new class of paramagnetic chromium(III) alkyls. Characterization of complexes formed by insertion of nitriles into the chromium-carbon bond. <i>Organometallics</i> , <b>1989</b> , 8, 2570-2577	3.8	72
119	Design of a monomeric arsinogallane and chemical conversion to gallium arsenide. <i>Science</i> , <b>1988</b> , 241, 332-4	33.3	70
118	Synthesis and Crystal Structure of a Phospholyl Anion. <i>Angewandte Chemie International Edition in English</i> , <b>1989</b> , 28, 1367-1368		69
117	A structurally characterized chromium(III) superoxide complex features "side-on" bonding. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 2333-5	16.4	68
116	Paramagnetic Alkyl, Hydride, and Alkene Complexes of the Tpt-Bu,MeCo Moiety. <i>Organometallics</i> , <b>1999</b> , 18, 300-305	3.8	65
115	Olefin Polymerization with Ether-Coordinated Chromium(III) Alkyls. <i>Organometallics</i> , <b>1996</b> , 15, 5473-5475	3.8	64
114	Synthesis, characterization, and electronic structure of diimine complexes of chromium. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 5293-303	5.1	61
113	Catalytic significance of the specificity of divalent cations as KS* and kcat* cofactors for secreted phospholipase A2. <i>Biochemistry</i> , <b>1998</b> , 37, 12576-87	3.2	61
112	A Chelating N-Heterocyclic Carbene Ligand in Organochromium Chemistry. <i>Organometallics</i> , <b>2006</b> , 25, 4670-4679	3.8	57
111	Spin surface crossing in chromium-mediated olefin epoxidation with O(2). <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 2454-5	16.4	56
110	Reactions of a quintuply bonded chromium dimer with alkynes. <i>Chemical Communications</i> , <b>2011</b> , 47, 12191-3	3.8	53
109	Novel Binuclear Cobalt Dioxygen Complex: A Step on the Path to Dioxygen Activation. <i>Angewandte Chemie International Edition in English</i> , <b>1995</b> , 34, 2051-2052		51

108	Facile insertion of nitriles into paramagnetic chromium(III) alkyls. Crystal structure of a $\mu_2$ -ketimino complex. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 5868-5870	16.4	49
107	A direct comparison of the rates of degenerate transfer of electrons, protons, and hydrogen atoms between metal complexes. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 5559-5569	16.4	48
106	A well-defined model system for the chromium-catalyzed selective oligomerization of ethylene. <i>Dalton Transactions</i> , <b>2013</b> , 42, 9198-210	4.3	47
105	Synthesis, characterization, and electron-transfer reactivity of norbornyl complexes of cobalt in unusually high oxidation states. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 3887-3896	16.4	47
104	A stable alkyl hydride of a first row transition metal. <i>Chemical Communications</i> , <b>2003</b> , 1164-5	5.8	46
103	Hydrogen atom abstraction by a chromium IV oxo complex derived from O <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 14008-9	16.4	45
102	Synthesis and reaction chemistry of a new class of $\mu$ -alkylidene dicobalt complexes. Crystal and molecular structure of $(\mu\text{-methylene})\text{bis}[\eta^5\text{-}(\text{methylcyclopentadienyl})\text{carbonylcobalt}]$ . <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 464-475	16.4	45
101	A family of four-coordinate iron(II) complexes bearing the sterically hindered tris(pyrazolyl)borato ligand Tp(tBu,Me). <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 1310-8	4.8	44
100	Oxo-alkyls of chromium(V) and chromium(VI). <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 1892-1893	16.4	44
99	Formation and reactivity of a cobalt (II) hydroperoxide intermediate. <i>Chemical Communications</i> , <b>2001</b> , 2198-9	5.8	43
98	Intramolecular C-H Activation by an Open-Shell Cobalt(III) Imido Complex. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 1532-1534	3.6	41
97	Homoleptic mesityl complexes of cobalt(II). Synthesis, crystal structure, and theoretical description of bis( $\mu$ -mesityl)dimesityldicobalt. <i>Organometallics</i> , <b>1989</b> , 8, 2001-2009	3.8	41
96	Chromium mediated reductive coupling of isonitrile forms unusual heterocycles. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 3382-4	16.4	39
95	$[\text{Cp}^*\text{Co}(\eta^5\text{-Cp}^*)\text{H}]$ is a Hydride. <i>Angewandte Chemie International Edition in English</i> , <b>1992</b> , 31, 1341-1343		39
94	Synthesis and characterization of polynuclear chromium(III) alkyls. Crystal structure of a paramagnetic $\mu_3$ -methylidyne complex with short nonbonded chromium-chromium contacts. <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 8273-8274	16.4	39
93	Asymmetric induction in reactions employing enolates generated from cyclic organo transition metal acyl complexes. <i>Journal of the American Chemical Society</i> , <b>1982</b> , 104, 5250-5252	16.4	39
92	Synthesis and reactions of a binuclear cobalt bridging methylene ( $\mu$ -CH <sub>2</sub> ) complex. Conversion to $\mu$ -CH <sub>2</sub> rhodium/cobalt and rhodium/rhodium complexes and methylene transfer to ethylene involving activation by a second metal complex. <i>Journal of the American Chemical Society</i> , <b>1981</b> , 103, 2489-2491	16.4	38
91	Redox chemistry of tetrakis(1-norbornyl)cobalt. Synthesis and characterization of a cobalt(V) alkyl and self-exchange rate of a Co(III)/Co(IV) couple. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 1282-1283	16.4	37

90	Reactivity of a low-valent chromium dinitrogen complex. <i>Inorganica Chimica Acta</i> , <b>2011</b> , 369, 103-119	2.7	35
89	Insertion of O <sub>2</sub> into a Chromium-Phenyl Bond: Mechanism of Formation of the Paramagnetic d <sup>2</sup> Oxo Complex [TptBu,MeCrIV(O)OPh]. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 166-168	16.4	34
88	[(TptBu, Me)CrR]: A New Class of Mononuclear, Coordinatively Unsaturated Chromium(II) Alkyls with cis-Divacant Octahedral Structure. <i>Chemistry - A European Journal</i> , <b>1997</b> , 3, 1668-1674	4.8	33
87	In pursuit of a stable peroxyxynitrite complex $\text{Cr}(\text{Ox})_x$ ( $x=1\text{B}$ ) derivatives of Tpt-Bu,MeCo. <i>Inorganica Chimica Acta</i> , <b>2003</b> , 345, 333-339	2.7	32
86	[Hydrotris(3-isopropyl-5-methylpyrazolyl)borato]iodocobalt(II): Unusual Purification by "Inverse Recrystallization". <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 2306-2308	5.1	31
85	[Cp*(Me)Cr( $\mu$ -Me)] <sub>2</sub> , an electron-deficient chromium(III) alkyl with bridging methyl groups and a chromium-chromium bond. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 9127-9129	16.4	31
84	Binding and activation of small molecules by a quintuply bonded chromium dimer. <i>Chemical Communications</i> , <b>2014</b> , 50, 2579-81	5.8	30
83	New complexes of chromium(III) containing organic radical ligands: an experimental and density functional theory study. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 4472-87	5.1	30
82	Unusually strong intramolecular magnetic coupling in a chromium hydride cluster. <i>Nature</i> , <b>1995</b> , 378, 359-362	50.4	30
81	Tetrakis(1-norbornyl)cobalt, a low spin tetrahedral complex of a first row transition metal. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1986</b> , 1491		28
80	The direct oxidative addition of O <sub>2</sub> to a mononuclear Cr(I) complex is spin forbidden. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 16774-6	16.4	26
79	Correlations Between Structure, Magnetism, and Polymerization Activity of Paramagnetic Benzylchromium Complexes. <i>Chemistry - A European Journal</i> , <b>1995</b> , 1, 199-203	4.8	26
78	Alkyne Complexes of Tungsten(IV). <i>Angewandte Chemie International Edition in English</i> , <b>1983</b> , 22, 1010-1010		26
77	Synthesis of metallacyclopentanes containing two metals in the ring. Thermal decomposition to cyclopropane and ligand-induced conversion to stable mononuclear metallacyclopentanones. <i>Journal of the American Chemical Society</i> , <b>1980</b> , 102, 5694-5695	16.4	26
76	A bimetallic N-heterocyclic carbene complex featuring a short Cr-Cr distance. <i>Chemical Communications</i> , <b>2007</b> , 1510-1	5.8	25
75	[(Cp*Cr( $\beta$ -H)) <sub>4</sub> ] <sup>+</sup> Paramagnetic Chromium Hydride with a Cubane Structure. <i>Angewandte Chemie International Edition in English</i> , <b>1992</b> , 31, 1077-1079		24
74	A Paramagnetic $\beta$ Methylene Complex with a Short CrIII-CrIII Bond. <i>Angewandte Chemie International Edition in English</i> , <b>1990</b> , 29, 775-777		22
73	Mechanism-based design of labile precursors for chromium(I) chemistry. <i>Chemical Communications</i> , <b>2015</b> , 51, 15402-5	5.8	21

72	Scorpionates of the Tetrahedral Enforcer Variety as Ancillary Ligands for Dinitrogen Complexes of First Row Transition Metals (CrCo). <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 2349-2356	2.3	20
71	Intramolecular C-H Activation by an Open-Shell Cobalt(III) Imido Complex. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 7870-7870	16.4	20
70	[Cp*CoCoCp*] ist ein Hydrid. <i>Angewandte Chemie</i> , <b>1992</b> , 104, 1364-1366	3.6	20
69	Cr-Cr Quintuple Bonds: Ligand Topology and Interplay Between Metal-Metal and Metal-Ligand Bonding. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 10966-77	5.1	19
68	Synthese und Kristallstruktur eines Phospholyanions. <i>Angewandte Chemie</i> , <b>1989</b> , 101, 1394-1395	3.6	19
67	Synthesis and Crystal Structure of an Arsolyl Anion and Preparation of an Arsinogallate. <i>Chemische Berichte</i> , <b>1991</b> , 124, 2453-2456		18
66	Synthesis and structure determination of [Cp*4Cr4(=F)5Cl2]PF6. A tetranuclear chromium complex formed by fluoride abstraction from hexafluorophosphate. <i>Journal of Organometallic Chemistry</i> , <b>1988</b> , 348, 333-342	2.3	18
65	High oxidation state dinitrogen complexes. Synthesis and crystal structure of [W(C6H5C≡C)2(CH3OCH2CH2OCH3)Cl2]2(μ-N2)·0.5CH3OCH2CH2OCH3. <i>Inorganic Chemistry</i> , <b>1984</b> , 23, 4472-4476	5.1	18
64	Synthesis, crystal and molecular structure, and chemistry of (μ-(trimethylene)bis(η-cyclopentadienyl)bis(μ-carbonyl)dicobalt, a five-membered dicobaltacycle. <i>Organometallics</i> , <b>1982</b> , 1, 1571-1579	3.8	18
63	The coordinative properties of bifunctional arsenic ligands in carbonylvanadium compounds. <i>Journal of Organometallic Chemistry</i> , <b>1978</b> , 157, 311-319	2.3	18
62	Structure and Reactivity of Chromium(VI) Alkylidenes. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7088-7091	16.4	18
61	Metal complexes of the perfluoroalkyl substituted ligand. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 4493-4499	2.7	17
60	Synthesis and Reactivity of Pyrrolide-Diimine Complexes of Chromium. <i>Collection of Czechoslovak Chemical Communications</i> , <b>2007</b> , 72, 637-648		15
59	A Structurally Characterized Chromium(III) Superoxide Complex Features Side-on Bonding. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 2439-2441	3.6	15
58	Toward Benign Synthesis via Catalytic Oxidations Using Dioxygen or Nitrous Oxide. <i>ACS Symposium Series</i> , <b>2002</b> , 75-85	0.4	15
57	A tale of two isomers (continued): is the phenyl hydride complex of chromium more stable than its benzene-bridged isomer?. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 5597-9	16.4	14
56	Unusual Transformations of a Bipyridine Ligand in Attempts to Trap a Terminal Chromium(III) Alkylidene. <i>Organometallics</i> , <b>2001</b> , 20, 182-187	3.8	14
55	Preparation of [Nb(η-C5Me5)Cl2]2 and Nb(η-C5Me5)(3-hexyne)Cl2. <i>Inorganic Chemistry</i> , <b>1984</b> , 23, 2365-2367	5.1	14

54	Organochromium Complexes Bearing Noninnocent Diimine Ligands. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 520-529	2.3	13
53	Alkin-Komplexe von Wolfram(IV). <i>Angewandte Chemie</i> , <b>2006</b> , 95, 1012-1013	3.6	13
52	Unusually Large Isotope Effects on NMR Chemical Shifts of Paramagnetic Organometallic Compounds. <i>Angewandte Chemie International Edition in English</i> , <b>1994</b> , 33, 2326-2328		13
51	Dioxygen Activation by Organometallics of Early Transition Metals <b>2006</b> , 17-37		12
50	Metal-Metal Bonding in Paramagnetic Chromium(III) Complexes [An MO-Theoretical Case Study. <i>Chemische Berichte</i> , <b>1993</b> , 126, 631-643		12
49	An x-ray photoelectron spectroscopic study of transition metal .mu.-methylene complexes and related compounds. <i>Organometallics</i> , <b>1982</b> , 1, 1200-1203	3.8	12
48	Bioderived Muconates by Cross-Metathesis and Their Conversion into Terephthalates. <i>ChemSusChem</i> , <b>2018</b> , 11, 773-780	8.3	12
47	A phospholyl complex of indium. <i>Polyhedron</i> , <b>1990</b> , 9, 329-333	2.7	11
46	Ein neuartiger zweikerniger Cobalt-Sauerstoff-Komplex [eine Stufe auf dem Weg zur Sauerstoffaktivierung. <i>Angewandte Chemie</i> , <b>1995</b> , 107, 2171-2173	3.6	10
45	Synthesis, Characterization, and Reactivity of Chromium(VI) Alkylidenes. <i>Organometallics</i> , <b>2019</b> , 38, 4593-4600	3.8	10
44	Zeolite MCM-22 Supported Heterogeneous Chromium Catalyst for Ethylene Polymerization. <i>Catalysis Letters</i> , <b>2003</b> , 88, 227-229	2.8	9
43	Deprotonation of bis(dimethylphosphino)ethane ligand of a cationic chromium alkyl. <i>Organometallics</i> , <b>1989</b> , 8, 2071-2073	3.8	9
42	Selectivity in the Polymerization of Olefins with Cyclopentadienyl Chromium Catalysts: A Density Functional Study. <i>Macromolecules</i> , <b>2004</b> , 37, 566-572	5.5	8
41	[[Cp*Cr(β-H)] <sub>4</sub> ] [ein paramagnetisches Chromhydrid mit Cubanstruktur. <i>Angewandte Chemie</i> , <b>1992</b> , 104, 1100-1102	3.6	8
40	Electron transfer rates of a cobalt(1-)/cobalt(0) couple and crystal structure of the tetrakis(trimethylphosphite)cobaltate(1-) ion. <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 1133-1136	5.1	8
39	Dioxygen Activation by Non-Adiabatic Oxidative Addition to a Single Metal Center. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 14974-7	16.4	7
38	Insertion von O <sub>2</sub> in eine Cr-C(Phenyl)-Bindung [Mechanismus der Bildung des paramagnetischen d <sup>2</sup> -Oxokomplexes [TptBu,MeCrIV(O)OPh]. <i>Angewandte Chemie</i> , <b>1999</b> , 111, 126-128	3.6	7
37	Ungewöhnlich groß Isotopeneffekte auf NMR-chemische Verschiebungen paramagnetischer metallorganischer Verbindungen. <i>Angewandte Chemie</i> , <b>1994</b> , 106, 2389-2391	3.6	7



36	Carbon-to-carbon migration of the dimetallic group in dinuclear cobalt alkylidene complexes. <i>Organometallics</i> , <b>1982</b> , 1, 219-222	3.8	7
35	Unexpected reactions of chromium hydrides with a diazoalkane. <i>Polyhedron</i> , <b>2019</b> , 157, 381-388	2.7	7
34	An electron transfer series of octahedral chromium complexes containing a redox non-innocent $\pi$ -imine ligand. <i>Chemical Communications</i> , <b>2014</b> , 50, 10626-9	5.8	6
33	Ferrocenyl-substituted tris(pyrazolyl)borates--a new ligand type combining redox activity with resistance to hydrogen atom abstraction. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 9424-30	5.1	6
32	Synthesis and Structural Comparison for a Series of Cr(II) (iodo) NacNac Complexes. <i>Journal of Chemical Crystallography</i> , <b>2009</b> , 39, 73-77	0.5	6
31	High-Valent Mono-(N 5-Pentamethylcyclo-Pentadienyl)Vanadium and Molybdenum Complexes. <i>Inorganic Syntheses</i> , <b>2007</b> , 207-214		6
30	Deprotonation of coordinated ethylene may start Phillips catalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 11578-9	11.5	5
29	Synthesis and Structure of bis( $\pi$ -diketiminato) Chromium(II) Complexes. <i>Journal of Chemical Crystallography</i> , <b>2010</b> , 40, 67-71	0.5	5
28	Phosphanylalkylcyclopentadienyl ligands: synthesis, molecular structures and catalytic properties of $[(\eta^5\text{-C}_5\text{H}_4\text{CMe}_2\text{PHR})\text{CrCl}_2(\text{PMe}_2\text{Ph})]$ (R=Ph, tBu). <i>Polyhedron</i> , <b>2004</b> , 23, 1393-1399	2.7	5
27	Synthesis and Structure of a Chromium(III) Complex Supported by a $\pi$ -diketiminato and an Eneiolate Ligand. <i>Journal of Chemical Crystallography</i> , <b>2011</b> , 41, 415-418	0.5	4
26	Synthesis and Structural Characterization of Bis( $\pi$ -Iodo)-Bis(Diethyl Ether)-(N,N'-(Bis(2,6-Diisopropylphenyl)Pentane-2,4-Diketiminato)-Lithium-Chromium, a Cr(II) ( $\pi$ -diketiminato) Complex with a Coordinated $\pi$ -Lil Salt. <i>Journal of Chemical Crystallography</i> , <b>2009</b> , 39, 377-379	0.5	4
25	Phenylamido and Diphenylamido Complexes of Chromium(II). <i>Journal of Chemical Crystallography</i> , <b>2009</b> , 39, 535-538	0.5	4
24	Synthesis and Structure of (TMEDA)Cr(I)2(THF) and [(N,N-DMEDA)2Cr] I. <i>Journal of Chemical Crystallography</i> , <b>2009</b> , 39, 842-845	0.5	4
23	2,4-Pentane N,N'-Bis(2,6-Diisopropylphenyl) ketiminato cobalt (II) (trimethylsilyl)methylene. <i>Journal of Chemical Crystallography</i> , <b>2009</b> , 39, 846-848	0.5	4
22	Intramolecular C-H Activation by an Open-Shell Cobalt(III) Imido Complex. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 8034-8034	3.6	4
21	Insights into homogeneous catalysis from first-principles theory: density functional studies of inorganic cobalt complexes. <i>Catalysis Today</i> , <b>1999</b> , 50, 669-675	5.3	4
20	Ein paramagnetischer $\pi$ -Methylenkomplex mit kurzer CrIII-CrIII-Bindung. <i>Angewandte Chemie</i> , <b>1990</b> , 102, 805-807	3.6	4
19	Organometallic Precursors for III-V Semiconductors. <i>Materials Research Society Symposia Proceedings</i> , <b>1988</b> , 131, 59		4



18	Dioxygen Activation by Non-Adiabatic Oxidative Addition to a Single Metal Center. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 15187-15190	3.6	3
17	Synthesis and Structural Characterization of Bis[(cyclohexylamino)pent-2-en-4-onato]-Chromium(II). <i>Journal of Chemical Crystallography</i> , <b>2009</b> , 39, 380-383	0.5	3
16	Preparation and ligand substitution reactions of TpMsRu(COD)H including intramolecular ligand metalation. <i>Polyhedron</i> , <b>2004</b> , 23, 439-444	2.7	3
15	Voltammetric Study of an Unusual Dimer/Monomer Redox System Involving a Chromium(III) Complex of a Tridentate CNN Ligand. <i>Journal of the Electrochemical Society</i> , <b>2001</b> , 148, E118	3.9	3
14	trans-Tetrakis(3-tert-butyl-5-methylpyrazole)bis(tetrafluoroborato)cobalt(II), a complex with two coordinated tetrafluoroborate anions. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1990</b> , 46, 1013-1015		3
13	Improved syntheses, and structural and electronic characterization of carboxamide-substituted Tp(CONHPh,Me) and Tp(CONHt-Bu,Me) ligands. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2013</b> , 69, 947-53		2
12	Synthesis and Structure of Chromium(II) Complexes Supported by Both a $\delta$ -Diketiminato and an Amidinate Ligand. <i>Journal of Chemical Crystallography</i> , <b>2009</b> , 39, 849-852	0.5	2
11	The synthesis, characterization, and alkylation of nacnac chromium triflate derivatives. <i>Inorganica Chimica Acta</i> , <b>2010</b> , 364, 138-143	2.7	2
10	Studies of the oxidation of a hydroxychromium(III)-[hydrotrispyrazoylborate]pyrazolyl complex. <i>Journal of Electroanalytical Chemistry</i> , <b>2004</b> , 565, 185-190	4.1	2
9	Binuclear Metallacycles: Organometallic Ring Systems Containing Two Metal Centers. <i>Israel Journal of Chemistry</i> , <b>1982</b> , 22, 27-29	3.4	2
8	Homogeneous Chromium Catalysts for Olefin Polymerization <b>1998</b> , 1998, 15		2
7	Tetra- $\mu$ -chloro-1:2 $\kappa$ 4Cl;1:3 $\kappa$ 4Cl-dimethyl-2 $\kappa$ 6C,3 $\kappa$ 6C-tetrakis(tetrahydrofuran)-1 $\kappa$ 2O,2 $\kappa$ 2O,3 $\kappa$ 3O. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2006</b> , 62, m569-70		1
6	FcTp(R) (R = Pr or Bu): third-generation ferrocenyl scorpionates. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2016</b> , 72, 813-818	0.8	1
5	Insertion of O <sub>2</sub> into a Chromium-Phenyl Bond: Mechanism of Formation of the Paramagnetic d <sup>2</sup> Oxo Complex [Tp <sup>t</sup> Bu,MeCr <sup>IV</sup> (O)OPh] <b>1999</b> , 38, 166		1
4	Guanidinium 2-(myristoylsulfanyl)ethane-sulfonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o3257		
3	The 2001 Benjamin Franklin medal in chemistry presented to K. Barry Sharpless. <i>Journal of the Franklin Institute</i> , <b>2002</b> , 339, 307-314	4	
2	The 2004 Benjamin Franklin Medal in Chemistry presented to Harry B. Gray. <i>Journal of the Franklin Institute</i> , <b>2005</b> , 342, 586-591	4	
1	A molecular substitutional disorder case study suitable for instruction: LCr(THF)/L[(trimethylsilyl)methyl]Cr (L is 2,5-bis{[(2,6-diisopropylphenyl)imino]methyl}pyrrol-1-ide).. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2022</b> , 78, 285-288	0.8	

