

Carlos C Romo

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#	Paper	IF	Citations
205	Rhenium(VII) Oxo and Imido Complexes: Synthesis, Structures, and Applications. <i>Chemical Reviews</i> , 1997 , 97, 3197-3246	68.1	461
204	Developing drug molecules for therapy with carbon monoxide. <i>Chemical Society Reviews</i> , 2012 , 41, 3571-3885	38.5	346
203	Octahedral bipyridine and bipyrimidine dioxomolybdenum(VI) complexes: characterization, application in catalytic epoxidation, and density functional mechanistic study. <i>Chemistry - A European Journal</i> , 2002 , 8, 2370-83	4.8	214
202	CORM-3 reactivity toward proteins: the crystal structure of a Ru(II) dicarbonyl-lysozyme complex. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1192-5	16.4	160
201	MCM-41 functionalized with bipyridyl groups and its use as a support for oxomolybdenum(VI) catalysts. <i>Journal of Materials Chemistry</i> , 2002 , 12, 1735-1742		150
200	A Simple Entry to (η -C ₅ R ₅)chlorodioxomolybdenum(VI) Complexes (R = H, CH ₃ , CH ₂ Ph) and Their Use as Olefin Epoxidation Catalysts. <i>Organometallics</i> , 2003 , 22, 2112-2118	3.8	140
199	Antimicrobial action of carbon monoxide-releasing compounds. <i>Antimicrobial Agents and Chemotherapy</i> , 2007 , 51, 4303-7	5.9	135
198	The nature of the indenyl effect. <i>Chemistry - A European Journal</i> , 2002 , 8, 868-75	4.8	134
197	Multiple bonds between main-group elements and transition metals. 113. Simple and efficient synthesis of methyltrioxorhenium(VII): a general method. <i>Inorganic Chemistry</i> , 1992 , 31, 4431-4432	5.1	130
196	A novel method for the reduction of sulfoxides and pyridine N-oxides with the system silane/MoO ₂ Cl ₂ . <i>Tetrahedron</i> , 2006 , 62, 9650-9654	2.4	125
195	Highly chemo- and regioselective reduction of aromatic nitro compounds using the system silane/oxo-rhenium complexes. <i>Journal of Organic Chemistry</i> , 2009 , 74, 6960-4	4.2	114
194	Spontaneous CO release from Ru(II)(CO) ₂ -protein complexes in aqueous solution, cells, and mice. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1172-5	16.4	102
193	[MoO ₂ Cl ₂] as catalyst for hydrosilylation of aldehydes and ketones. <i>Chemical Communications</i> , 2005 , 213-4	5.8	102
192	Silane/MoO ₂ Cl ₂ as an efficient system for the reduction of esters. <i>Journal of Molecular Catalysis A</i> , 2006 , 253, 96-98		101
191	Reactive oxygen species mediate bactericidal killing elicited by carbon monoxide-releasing molecules. <i>Journal of Biological Chemistry</i> , 2011 , 286, 26708-17	5.4	97
190	Reduction of amides with silanes catalyzed by MoO ₂ Cl ₂ . <i>Journal of Molecular Catalysis A</i> , 2007 , 272, 60-63		96
189	Loading and delivery of sertraline using inorganic micro and mesoporous materials. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007 , 66, 357-65	5.7	95

188	Lewis base adducts of bis-(halogeno)dioxomolybdenum(VI): syntheses, structures, and catalytic applications. <i>Journal of Molecular Catalysis A</i> , 2000 , 151, 147-160		94
187	Molybdenum(VI)cis-dioxo complexes bearing sugar derived chiral Schiff-base ligands: synthesis, characterization, and catalytic applications. <i>Dalton Transactions</i> , 2003 , 3736-3742	4.3	90
186	A novel method for the reduction of imines using the system silane/MoO ₂ Cl ₂ . <i>Tetrahedron Letters</i> , 2005 , 46, 8881-8883	2	90
185	Periplasmic nitrate reductase revisited: a sulfur atom completes the sixth coordination of the catalytic molybdenum. <i>Journal of Biological Inorganic Chemistry</i> , 2008 , 13, 737-53	3.7	86
184	Olefin epoxidation with tert-butyl hydroperoxide catalyzed by MoO ₂ X ₂ L complexes: a DFT mechanistic study. <i>Dalton Transactions</i> , 2006 , 1383-9	4.3	80
183	Mononuclear and Binuclear Cyclopentadienyl Oxo Molybdenum and Tungsten Complexes: Syntheses and Applications in Olefin Epoxidation Catalysis. <i>Organometallics</i> , 2005 , 24, 2582-2589	3.8	79
182	Selective and mild oxidation of sulfides to sulfoxides or sulfones using H ₂ O ₂ and Cp*Mo(CO) ₃ Cl as catalysts. <i>Tetrahedron Letters</i> , 2008 , 49, 4708-4712	2	78
181	Reduction of sulfoxides with boranes catalyzed by MoO ₂ Cl ₂ . <i>Tetrahedron Letters</i> , 2007 , 48, 9176-9179	2	77
180	A novel carbon monoxide-releasing molecule fully protects mice from severe malaria. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 1281-90	5.9	76
179	Organorhenium(VII) and organomolybdenum(VI) oxides: synthesis and application in oxidation catalysis. <i>Applied Organometallic Chemistry</i> , 2001 , 15, 43-50	3.1	76
178	(Dimethyl)dioxomolybdenum(VI) complexes: syntheses and catalytic applications. <i>Journal of Molecular Catalysis A</i> , 2000 , 164, 25-38		73
177	MoO ₂ Cl ₂ as a Novel Catalyst for C-B Bond Formation and for Hydrophosphonylation of Aldehydes. <i>Organometallics</i> , 2009 , 28, 6206-6212	3.8	71
176	Hydrogen activation by high-valent oxo-molybdenum(VI) and -rhenium(VII) and -(V) compounds. <i>Dalton Transactions</i> , 2008 , 1727-33	4.3	71
175	Generation of Carbon Monoxide Releasing Molecules (CO-RMs) as Drug Candidates for the Treatment of Acute Liver Injury: Targeting of CO-RMs to the Liver. <i>Organometallics</i> , 2012 , 31, 5810-5822 ^{3.8}		69
174	Kinetics of Cyclooctene Epoxidation with tert-Butyl Hydroperoxide in the Presence of [MoO ₂ X ₂ L]-Type Catalysts (L = Bidentate Lewis Base). <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 1716-1723	2.3	68
173	Catalyzing aldehyde hydrosilylation with a molybdenum(VI) complex: a density functional theory study. <i>Chemistry - A European Journal</i> , 2007 , 13, 3934-41	4.8	66
172	Chiral dioxomolybdenum(VI) complexes for enantioselective alkene epoxidation. <i>Journal of Organometallic Chemistry</i> , 2001 , 626, 1-10	2.3	65
171	Dichloro and dimethyl dioxomolybdenum(VI) diazabutadiene complexes as catalysts for the epoxidation of olefins. <i>New Journal of Chemistry</i> , 2004 , 28, 308-313	3.6	63

170	Catalytic olefin epoxidation with cyclopentadienylmolybdenum complexes in room temperature ionic liquids. <i>Tetrahedron Letters</i> , 2005 , 46, 47-52	2	63
169	(Eta2-alkyne)methyl(dioxo)rhenium complexes as aldehyde-olefination catalysts. <i>Journal of the American Chemical Society</i> , 2003 , 125, 2414-5	16.4	62
168	Bis-acetonitrile(dibromo)dioxomolybdenum(VI) and derivatives: synthesis, reactivity, structures and catalytic applications. <i>Journal of Organometallic Chemistry</i> , 1999 , 583, 3-10	2.3	62
167	Highly Efficient Reduction of Sulfoxides with the System Borane/Oxo-rhenium Complexes \square <i>Organometallics</i> , 2010 , 29, 5517-5525	3.8	61
166	Molybdenum(VI) cis-dioxo complexes bearing (poly)pyrazolyl-methane and -borate ligands: syntheses, characterization and catalytic applications. <i>Dalton Transactions RSC</i> , 2001 , 1332-1337		61
165	Epoxidation of cyclooctene catalyzed by dioxomolybdenum(VI) complexes in ionic liquids. <i>Journal of Molecular Catalysis A</i> , 2004 , 218, 5-11		60
164	Reduction of carbonyl groups by high-valent rhenium oxides. <i>Journal of Molecular Catalysis A</i> , 2005 , 236, 107-112		60
163	Chiral bis(oxazoline) and pyridyl alcoholate dioxo-molybdenum(VI) complexes: synthesis, characterization and catalytic examinations. <i>Journal of Organometallic Chemistry</i> , 2001 , 621, 207-217	2.3	60
162	Mixed-Ring and Indenyl Analogs of Molybdenocene and Tungstenocene: Preparation and Characterization. <i>Organometallics</i> , 1995 , 14, 3901-3919	3.8	60
161	Towards improved therapeutic CORMs: understanding the reactivity of CORM-3 with proteins. <i>Current Medicinal Chemistry</i> , 2011 , 18, 3361-6	4.3	59
160	The Peroxo Perrhenic Acid \square $\text{H}_4\text{Re}_2\text{O}_{13}$: An Oxygen-Rich Metal Peroxide and Oxidation Catalyst. <i>Chemistry - A European Journal</i> , 1996 , 2, 168-173	4.8	59
159	Synthesis, characterization, and reactions of tetrakis(nitrile)chromium(II) tetrafluoroborate complexes \square <i>Journal of the Chemical Society Dalton Transactions</i> , 1998 , 1293-1298		58
158	Prevention of clinical and histological signs of proteolipid protein (PLP)-induced experimental allergic encephalomyelitis (EAE) in mice by the water-soluble carbon monoxide-releasing molecule (CORM)-A1. <i>Clinical and Experimental Immunology</i> , 2011 , 163, 368-74	6.2	57
157	Dioxomolybdenum(VI) complexes as catalysts for the hydrosilylation of aldehydes and ketones. <i>Dalton Transactions</i> , 2006 , 1842-6	4.3	57
156	Mesoporous Silicas Modified with Dioxomolybdenum(VI) Complexes: Synthesis and Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2000 , 2000, 2263-2270	2.3	55
155	A chiral menthyl cyclopentadienyl molybdenum tricarbonyl chloro complex: Synthesis, heterogenization on MCM-41/MCM-48 and application in olefin epoxidation catalysis. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 3137-3145	2.3	54
154	Characterization of a versatile organometallic pro-drug (CORM) for experimental CO based therapeutics. <i>Dalton Transactions</i> , 2013 , 42, 5985-98	4.3	52
153	Mehrfachbindungen zwischen Hauptgruppenelementen und Bergangsmetallen, CXIV. Organorhenium(VII)-oxide. <i>Chemische Berichte</i> , 1993 , 126, 45-50		52

- 152 New insights into the chemistry of fac-[Ru(CO)₃]+ fragments in biologically relevant conditions: the CO releasing activity of [Ru(CO)₃(1,3-thiazole)], and the X-ray crystal structure of its adduct with lysozyme. *Journal of Inorganic Biochemistry*, **2012**, 117, 285-91 4.2 51
- 151 Ligand Dependence of the Indenyl Ring Slippage in [(η -Ind)MoL₂(CO)₂]^{0,+} Complexes: Experimental and Theoretical Studies. *Organometallics*, **1998**, 17, 2597-2611 3.8 51
- 150 A contribution to the rational design of Ru(CO)₃Cl₂L complexes for in vivo delivery of CO. *Dalton Transactions*, **2015**, 44, 5058-75 4.3 50
- 149 Studies on olefin epoxidation with t-BuOOH catalysed by dioxomolybdenum(VI) complexes of a novel chiral pyridyl alcoholate ligand. *New Journal of Chemistry*, **2001**, 25, 959-963 3.6 50
- 148 Therapeutic potential of carbon monoxide in multiple sclerosis. *Clinical and Experimental Immunology*, **2012**, 167, 179-87 6.2 49
- 147 Examining the antimicrobial activity and toxicity to animal cells of different types of CO-releasing molecules. *Dalton Transactions*, **2016**, 45, 1455-66 4.3 48
- 146 Synthesis, bonding and dynamic behavior of fac-[Mo(II)(CO)₂(η -allyl)] derivatives. *Journal of Organometallic Chemistry*, **2001**, 632, 197-208 2.3 48
- 145 Alkyl- and Arylrhenium Trioxides. *Angewandte Chemie International Edition in English*, **1991**, 30, 185-187 47
- 144 The effect of the sixth sulfur ligand in the catalytic mechanism of periplasmic nitrate reductase. *Journal of Computational Chemistry*, **2009**, 30, 2466-84 3.5 46
- 143 CpMo(CO)₃Cl as a precatalyst for the epoxidation of olefins. *Catalysis Letters*, **2005**, 101, 127-130 2.8 46
- 142 Synthesis and catalytic application of octahedral lewis base adducts of dichloro and dialkyl dioxotungsten(VI). *Inorganic Chemistry*, **2002**, 41, 4468-77 5.1 45
- 141 MoO₂Cl₂ as a novel catalyst for Friedel-Crafts acylation and sulfonylation. *Tetrahedron Letters*, **2009**, 50, 1407-1410 2 44
- 140 Cationic η -3-allyl complexes. 16. Isotactic oligomerization of styrene in the presence of a homogeneous nickel(II) catalyst. *Macromolecules*, **1989**, 22, 998-1000 5.5 44
- 139 Molybdenum(VI) catalysts obtained from η -allyl dicarbonyl precursors: synthesis, characterization and catalytic performance in cyclooctene epoxidation. *Dalton Transactions*, **2012**, 41, 3474-84 4.3 43
- 138 Stepwise hapticity changes in sequential one-electron redox reactions of indenyl-molybdenum complexes: combined electrochemical, ESR, X-ray, and theoretical studies. *Journal of the American Chemical Society*, **2001**, 123, 10595-606 16.4 43
- 137 Synthesis, characterization and catalytic studies of bis(chloro)dioxomolybdenum(VI)-chiral diimine complexes. *Journal of Molecular Catalysis A*, **2005**, 236, 1-6 42
- 136 Carbon monoxide abrogates ischemic insult to neuronal cells via the soluble guanylate cyclase-cGMP pathway. *PLoS ONE*, **2013**, 8, e60672 3.7 42
- 135 Synthesis of mixed-ring indenyl analogues of tungstenocene. *Journal of Organometallic Chemistry*, **1995**, 486, 155-161 2.3 41

134	Organotin Dioxometalate Coordination Polymers as Catalysts for the Epoxidation of Olefins. <i>Journal of Catalysis</i> , 2002 , 209, 237-244	7.3	40
133	Incorporation of a (Cyclopentadienyl)molybdenum Oxo Complex in MCM-41 and Its Use as a Catalyst for Olefin Epoxidation. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 4914-4920	2.3	39
132	Isospecific Oligo-/Polymerization of Styrene with Soluble Cationic Nickel Complexes. The Influence of Phosphorus(III) Ligands. <i>Macromolecules</i> , 1996 , 29, 4172-4179	5.5	39
131	Activation of B-H bonds by an oxo-rhenium complex. <i>Dalton Transactions</i> , 2008 , 6686-8	4.3	38
130	Synthesis of β -Butyrolactones by a Baeyer-Villiger Oxidation with Hydrogen Peroxide, Catalysed by Methyltrioxorhenium. <i>European Journal of Organic Chemistry</i> , 1999 , 1999, 1767-1770	3.2	38
129	Stepwise Synthesis of Molybdenocene and Mixed-Ring Indenyl Analogs. <i>Organometallics</i> , 1994 , 13, 429-438	3.8	38
128	Cationic benzyl nickel complexes as homogeneous catalysts for styrene oligomerization. X-ray crystal structure of $[\text{Ni}(\eta\text{-CH}_2\text{C}_6\text{H}_5)(\text{PPh}_3)_2]\text{PF}_6 \cdot \text{CH}_2\text{Cl}_2$. <i>Polyhedron</i> , 1989 , 8, 2449-2457	2.7	38
127	Inhibition of nitric oxide-stimulated vasorelaxation by carbon monoxide-releasing molecules. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 2570-6	9.4	37
126	Preparation and catalytic studies of bis(halogeno)dioxomolybdenum(VI)-diimine complexes. <i>Journal of Molecular Catalysis A</i> , 2005 , 227, 67-73		37
125	Synthesis, characterization and antitumor activity of 1,2-disubstituted ferrocenes and cyclodextrin inclusion complexes. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 675-684	2.3	36
124	Dioxo-molybdenum(VI) and -tungsten(VI) BINOL and alkoxide complexes: Synthesis and catalysis in sulfoxidation, olefin epoxidation and hydrosilylation of carbonyl groups. <i>Inorganica Chimica Acta</i> , 2008 , 361, 1915-1921	2.7	36
123	Encapsulation of half-sandwich complexes of molybdenum with β -cyclodextrin. <i>Dalton Transactions RSC</i> , 2000 , 2964-2968		35
122	Cyclopentadienyl molybdenum dicarbonyl η -allyl complexes as catalyst precursors for olefin epoxidation. Crystal structures of $\text{Cp}^*\text{Mo}(\text{CO})_2(\eta\text{-C}_3\text{H}_5)$ ($\text{Cp}^* = \eta\text{-C}_5\text{H}_4\text{Me}$, $\eta\text{-C}_5\text{Me}_5$). <i>Journal of Organometallic Chemistry</i> , 2010 , 695, 2311-2319	2.3	34
121	Ring slippage in indenyl derivatives of molybdenum and tungsten. <i>Journal of Organometallic Chemistry</i> , 1996 , 508, 169-181	2.3	34
120	Cationic η -allylmetal complexes, 12. Oligomerization of styrene with cationic allylnickel compounds: Catalysts, products and the influence of phosphines. <i>Die Makromolekulare Chemie</i> , 1989 , 190, 2773-2787		34
119	Interactions of Cationic and Neutral Molybdenum Complexes with β -Cyclodextrin Host Molecules. <i>Organometallics</i> , 2001 , 20, 2191-2197	3.8	33
118	Multiple bonds between main-group elements and transition metals. <i>Journal of Organometallic Chemistry</i> , 1994 , 481, 227-234	2.3	32
117	Organochromium η -complexes. VI. The preparation of $\text{Cp}^*(\eta\text{-allyl})_2\text{Cr}$ compounds and their reactions with donor ligands. <i>Polyhedron</i> , 1993 , 12, 2651-2662	2.7	32

116	Synthesis and Structural Characterization of Novel Oxorhenium(V) Complexes Containing N-Heterocyclic Carbenes. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 3305-3309	2.3	31
115	Multiple Bonds between Transition Metals and Main-Group Elements. 145. Coordination Chemistry of Dirhenium Heptaoxide: Covalent Adducts and "Ionic Perrhenyl-Perrhenates". <i>Inorganic Chemistry</i> , 1995 , 34, 4701-4707	5.1	31
114	Chlorotrioxorhenium. Neue Synthesen, Reaktionen und Derivate. <i>Chemische Berichte</i> , 1994 , 127, 47-54		31
113	Alkyl- und Arylrheniumtrioxide. <i>Angewandte Chemie</i> , 1991 , 103, 183-185	3.6	31
112	Cr(η -3-C ₃ H ₅) ₂ (η -5-C ₅ H ₅): preparation, structure and reactions. <i>Organometallics</i> , 1986 , 5, 1268-1269, 3.8		31
111	Oxorhenium complexes as aldehyde-olefination catalysts. <i>Chemistry - A European Journal</i> , 2004 , 10, 6313-6321	4.21	29
110	MoO ₂ Cl ₂ as a novel catalyst for the synthesis of β -aminophosphonates. <i>Catalysis Communications</i> , 2011 , 12, 337-340	3.2	28
109	β -Cyclodextrin and permethylated β -cyclodextrin inclusion compounds of a cyclopentadienyl molybdenum tricarbonyl complex and their use as cyclooctene epoxidation catalyst precursors. <i>Inorganica Chimica Acta</i> , 2006 , 359, 4757-4764	2.7	28
108	Synthesis and characterization of the inclusion compound of a ferrocenyldiimine dioxomolybdenum complex with heptakis-2,3,6-tri-O-methyl- β -cyclodextrin. <i>Inorganica Chimica Acta</i> , 2005 , 358, 981-988	2.7	28
107	Nucleophilic and electrophilic reactions of C ₅ cyclo-polyenes coordinated to the [CpMoL ₂] ⁿ⁺ fragment (n = 1,2; L = 1/2dppe, PMe ₃ , P(OMe) ₃ , CO). <i>Journal of Organometallic Chemistry</i> , 1997 , 544, 257-276	2.3	27
106	Mehrfachbindungen zwischen Hauptgruppenelementen und Bergangsmetallen. CXLIII. Indenyltrioxorhenium(VII): Organometalloxid mit dynamischer struktur. <i>Journal of Organometallic Chemistry</i> , 1995 , 489, C56-C59	2.3	27
105	Nitrile complexes of dicyclopentadienyl-molybdenum and -tungsten: preparation and reactivity. The structure of di- η -cyclopentadienylidoacetone nitrile-molybdenum(IV) hexafluorophosphate, [Mo(η -C ₅ H ₅) ₂ (NCCH ₃)]PF ₆ . <i>Journal of Organometallic Chemistry</i> , 1987 , 320, 63-81	2.3	27
104	η -3-Allyl complexes of molybdenum: the preparation and structure of [Mo(η -3-C ₃ H ₅) ₂ (η -5-C ₅ H ₅)]. <i>Organometallics</i> , 1984 , 3, 936-937	3.8	27
103	Synthesis and spectroscopic characterisation of binuclear molybdenum-rhenium complexes. <i>Polyhedron</i> , 1998 , 17, 1091-1102	2.7	26
102	Redox-Induced Indenyl Slippage in [IndCpMoL ₂] ^{2+ / + / 0} Complexes. <i>Organometallics</i> , 1999 , 18, 506-515	3.8	26
101	Synthesis and reactivity of molybdenocene isocyanide complexes; crystal structure of (η -C ₅ H ₅) ₂ MoCn _t Bu. <i>Journal of Organometallic Chemistry</i> , 1992 , 423, 367-390	2.3	26
100	Cation Exchange Strategy for the Encapsulation of a Photoactive CO-Releasing Organometallic Molecule into Anionic Porous Frameworks. <i>Inorganic Chemistry</i> , 2016 , 55, 6525-31	5.1	25
99	Molybdenum(II) Diiodo-Tricarbonyl Complexes Containing Nitrogen Donor Ligands as Catalyst Precursors for the Epoxidation of Methyl Oleate. <i>Catalysis Letters</i> , 2012 , 142, 1218-1224	2.8	25

98	Spontaneous CO Release from RuII(CO) ₂ Protein Complexes in Aqueous Solution, Cells, and Mice. <i>Angewandte Chemie</i> , 2015 , 127, 1188-1191	3.6	24
97	Chemoselective Sulfide and Sulfoxide Oxidations by CpMo(CO) ₃ Cl/H ₂ O ₂ : a DFT Mechanistic Study. <i>Organometallics</i> , 2011 , 30, 1454-1465	3.8	24
96	Structural Studies of β -Cyclodextrin and Permethylated β -Cyclodextrin Inclusion Compounds of Cyclopentadienyl Metal Carbonyl Complexes. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 1662-1669	2.3	24
95	Phase equilibria of haloalkanes dissolved in ethylsulfate- or ethylsulfonate-based ionic liquids. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 7329-37	3.4	23
94	Lewis base adducts of halogenorhenium(VII) oxides: 17O NMR spectroscopy, structural aspects and catalysis. <i>Inorganica Chimica Acta</i> , 1998 , 279, 44-50	2.7	23
93	Synthesis of ferrocenyldiimine metal carbonyl complexes and an investigation of the Mo adduct encapsulated in cyclodextrin. <i>New Journal of Chemistry</i> , 2005 , 29, 347-354	3.6	23
92	Multiple bonds between main group elements and transition metals, 155. (Hexamethylphosphoramide) methyl(oxo) bis(η -peroxo)rhenium(VII), the first example of an anhydrous rhenium peroxo complex: crystal structure and catalytic properties. <i>Journal of Organometallic Chemistry</i> , 1996 , 520, 139-142	2.3	23
91	Ring-Functionalized Molybdenocene Complexes. <i>Organometallics</i> , 2009 , 28, 2871-2879	3.8	22
90	Mehrfachbindungen zwischen Hauptgruppenelementen und Bergangsmetallen: XCIII. Methyl- und Ethylrheniumoxide: Präparative und strukturchemische Aspekte. <i>Journal of Organometallic Chemistry</i> , 1991 , 413, 11-25	2.3	22
89	Coordination Modulation Method To Prepare New Metal-Organic Framework-Based CO-Releasing Materials. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31158-31167	9.5	22
88	Highly efficient rhenium-catalyzed deoxygenation of sulfoxides without adding any reducing agent. <i>Tetrahedron</i> , 2012 , 68, 8194-8197	2.4	21
87	Influence of Cyclodextrins on Catalytic Olefin Epoxidation with Metal Carbonyl Compounds. Crystal Structure of the TRIMEB Complex with CpFe(CO) ₂ Cl. <i>Organometallics</i> , 2007 , 26, 6857-6863	3.8	21
86	Mehrfachbindungen zwischen Hauptgruppenelementen und Bergangsmetallen CXLVIII. Alkylrhenium(VII)-oxide Synthese, eigenschaften und abbaureaktionen. <i>Journal of Organometallic Chemistry</i> , 1995 , 495, 209-213	2.3	21
85	An artificial CO-releasing metalloprotein built by histidine-selective metallation. <i>Chemical Communications</i> , 2015 , 51, 3993-6	5.8	20
84	Structural preferences of cyclopentadienyl and indenyl rings in iridium(I) carbene complexes. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 4446-4458	2.3	20
83	Multiple Bonds between Main-Group Elements and Transition Metals. 123. Re-C Bond Homolysis in Alkyl- and Arylrhenium Trioxides: A Qualitative MO Interpretation. <i>Inorganic Chemistry</i> , 1994 , 33, 1139-1143	5.1	20
82	Intercalation of a molybdenum η -allyl dicarbonyl complex in a layered double hydroxide and catalytic performance in olefin epoxidation. <i>Dalton Transactions</i> , 2013 , 42, 8231-8240	4.3	19
81	Aluminum Doped MCM-41 Nanoparticles as Platforms for the Dual Encapsulation of a CO-Releasing Molecule and Cisplatin. <i>Inorganic Chemistry</i> , 2017 , 56, 10474-10480	5.1	19

80	Preparation and characterization of organotin-oxomolybdate coordination polymers and their use in sulfoxidation catalysis. <i>Chemistry - A European Journal</i> , 2003 , 9, 2685-95	4.8	19
79	The Carbon monoxide releasing molecule ALF-186 mediates anti-inflammatory and neuroprotective effects via the soluble guanylate cyclase β in rats' retinal ganglion cells after ischemia and reperfusion injury. <i>Journal of Neuroinflammation</i> , 2017 , 14, 130	10.1	18
78	New Synthetic Pathway to Mono- and Bis-indenyl Complexes of Molybdenum(IV). <i>Organometallics</i> , 1998 , 17, 5782-5788	3.8	18
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