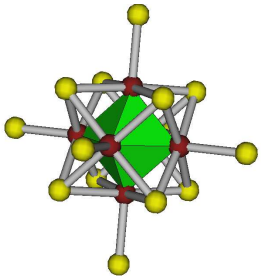
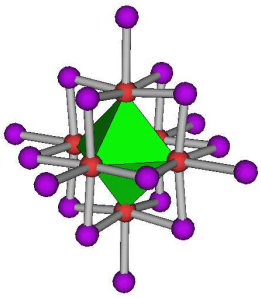
Übergangsmetall-Cluster (Forts.)

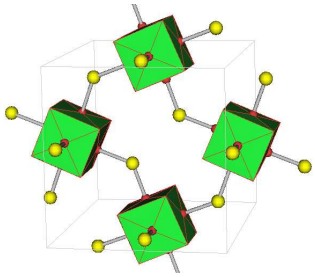
M_6-Cluster



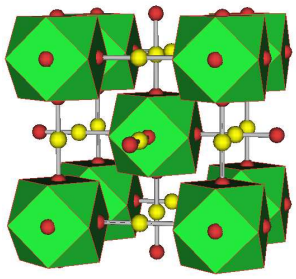
M_6X_8-Baueinheit



M_6X_{12}-Baueinheit

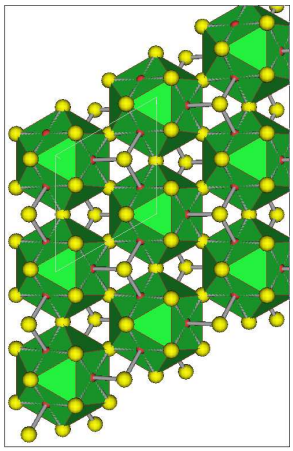


Mo_6Cl_{12} (Schicht)

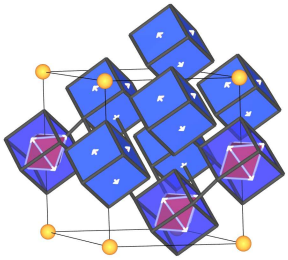


Nb_6F_{15}

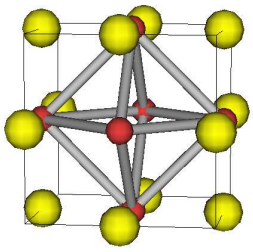
Verbindungen	Struktur	X/M	e^-/Cluster
W_6X_{18} (X=Cl,Br)	$[M_6X_{12}]X_6$	3	18 (KO)
Nb_6F_{15}, Nb_6X_{15} (X=Cl,Br)	$[M_6X_{12}]X_{6/2}$	2.5	15 (KO)
Zr_6Cl_{15}		2.5	15 (KO)
Nb_6Cl_{14}, Ta_6X_{14} (X=Cl,Br)	$[M_6X_{12}]X_{4/2}$	2.333	16 (KO)
Mo_6X_{12} (X=Cl,Br,I), W_6X_{12} (X=Br,I)	$[M_6X_8]X_2X_{4/2}$	2	24 (W)
Nb_6I_{11}	$[M_6X_8]X_{6/2}$	1.8333	19 (W)
$Mo_6Br_6S_3$		1.5	24 (W)
Mo_6S_8, Chevrell-Ph.		1.333	24 (W)
ZrCl		1	(W)



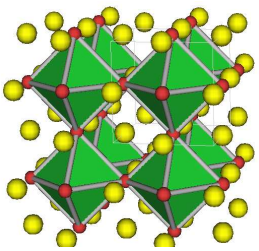
$Mg_3Nb_6O_{11}$



Chevrell-Phasen

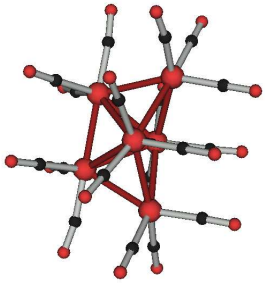


NbO

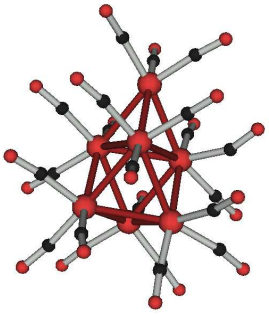


NbO

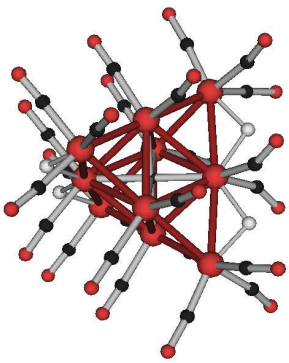
M_x-Cluster (x>6)



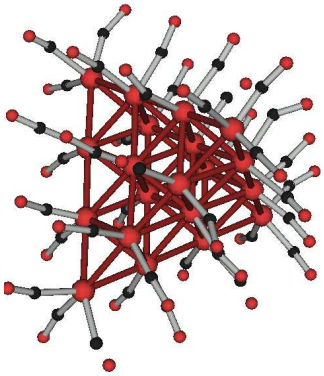
$Os_6(CO)_{18}$



$Os_7(CO)_{21}$



$[Os_{10}C(CO)_{40}H_2]$



$[Os_{20}(CO)_{40}]^{2-}$