Landolt-Börnstein Substance/Property Index

III/41: Semiconductors
(revised and extended contents of the volumes III/17 and III/22)

Subvolume III/41E: Ternary Compounds, Organic Semiconductors

Ternary Compounds

Amorphous Semiconductors

Organic Semiconductors

Element System	Substance
Ag-Al-Cu-S	$Cu_{1-x}Ag_xAlS$
	$Cu_{1-x}Ag_xAlS_2$
Ag-Al-Cu-Se	$Cu_{1-x}Ag_xAlSe$
	$Cu_{1-x}Ag_xAlSe_2$
Ag-Al-Cu-Te	$Cu_{1-x}Ag_xAlTe$
Ag-Al-Ge-Se	$AgAlGeSe_4$
Ag-Al-S	$AgAlS_2$
Ag-Al-S-Se	$AgAlS_{2x}Se_{2(1-x)}$
Ag-Al-Se	$AgAlSe_2$
Ag-Al-Se-Sn	$AgAlSnSe_4$
Ag-Al-Te	$AgAlTe_2$
Ag-As-S	Ag_3AsS_3
	Ag_3AsS_4
	$AgAsS_2$
Ag-As-Se	$AgAsSe_2$
Ag-As-Te	$AgAsTe_2$
Ag-Bi-S	$AgBiS_2$
Ag-Bi-Se	$AgBiSe_2$
Ag-Bi-Te	$AgBiTe_2$
Ag-Cd-Ge-S	Ag_2CdGeS_4
Ag-Cd-In-Te	$(AgInTe_2)_{1-x}(CdIn_2Te_4)_x$
	$(AgInTe_2)_{2(1-x)}(CdIn_2Te_4)_x$
Ag-Cd-S-Sn	Ag_2CdSnS_4
Ag-Cd-Se-Sn	$Ag_2CdSnSe_4$
Ag-Cu-Ga-In-Te	$Cu_{1-x}Ag_xIn_{1-y}Ga_yTe_2$
Ag-Cu-Ga-S	$Cu_{1-x}Ag_xGaS$
Ag-Cu-Ga-Se	$Cu_{1-x}Ag_xGaSe$
Ag-Cu-Ga-Te	$Cu_{1-x}Ag_xGaTe$
Ag-Cu-In-S	$Cu_{1-x}Ag_xInS$
Ag-Cu-In-Se	$Cu_{1-x}Ag_xInSe$
Ag-Cu-In-Se-Te	$Cu_{1-x}Ag_xIn(Se_{1-y}Te_y)_2$
Ag-Cu-In-Te	$Cu_{1-x}Ag_xInTe$
Ag-Fe-Se	$AgFeSe_2$
Ag-Fe-Te	$AgFeTe_2$
Ag-Ga-Ge-Se	$(AgGaSe_2)_{1-x}(GeSe_2)_x$
	$AgGaGeSe_4$
Ag-Ga-In-S	$(AgGaS_2)_x(AgInS_2)_{1-x}$
Ag-Ga-In-Se	$(AgGaSe_2)_x(AgInSe_2)_{1-x}$
	$AgGa_{1-x}In_xSe_2$
Ag-Ga-S	$Ag_2Ga_{20}S_{31}$
	$AgGaS_2$
	$(Ag_2S)_{1-x}(Ga_2S_3)_x$
Ag-Ga-S-Se	$(AgGaS_2)_x(AgGaSe_2)_{1-x}$
	$AgGaS_{2x}Se_{2(1-x)}$
Ag-Ga-Se	$Ag_3Ga_5Se_9$
	$AgGaSe_2$
	$(Ag_2Se)_{1-x}(Ga_2Se_3)_x$
Ag-Ga-Se-Sn	$AgGaSnSe_4$
Ag-Ga-Se-Te	$(AgGaSe_2)_x(AgGaTe_2)_{1-x}$
Ag-Ga-Te	$AgGaTe_2$
	$(Ag_2Te)_{1-x}(Ga_2Te_3)_x$
Ag-Ge-In-Se	$AgInGeSe_4$
Ag-Ge-S	Ag_2GeS_3
	Ag_8GeS_6
Ag-Ga-Se	Ag_2GeSe_3
	Ag_8GeSe_6
Ag-Ge-Se-Zn	$Ag_2ZnGeSe_4$
Ag-Ge-Te	Ag_2GeTe_3
	Ag_8GeTe_6
Ag-Hg-In-Se	$(AgInSe_2)_{1-x}(2HgSe)_x$
Ag-In-Mn-Te	$(AgInTe_2)_{1-x}(MnIn_2Te_4)_x$
Ag-In-S	$AgIn_5S_8$
	$AgInS_2$
Ag-In-S-Se	$AgInS_{2x}Se_{2(1-x)}$
Ag-In-Se	$Ag_3In_5Se_9$
	$AgInSe_2$
	$(Ag_2Se)_{1-x}(In_2Se_3)_x$
Ag-In-Se-Sn	$AgInSnSe_4$
Ag-In-Te	$(AgInTe_2)_{3x}(In_2Te_3)_{2(1-x)}$
	$AgIn_3Te_5$
	$AgIn_9Te_{14}$
	$AgInTe_2$
	$(Ag_2Te)_{1-x}(In_2Te_3)_x$
Ag-P-S	Ag_3PS_4
Ag-S-Sb	Ag_3SbS_3
	$AgSbS_2$
Ag-S-Si	Ag_2SiS_3
	Ag_8SiS_6
Ag-S-Sn	Ag_2SnS_3
	Ag_8SnS_6
Ag-Sb-Se	$AgSbSe_2$
Ag-Sb-Te	$AgSbTe_2$
Ag-Se-Si	Ag_8SiSe_6
Ag-Se-Sn	Ag_2SnSe_3
	Ag_8SnSe_6
Ag-Se-Tl	$AgTlSe_2$
Ag-Si-Te	Ag_8SiTe_6
Ag-Sn-Te	Ag_2SnTe_3
Ag-Te-Tl	$AgTlTe_2$
Al-B-Dy	$DyAlB_{14}$
Al-B-Er	$ErAlB_{14}$
Al-B-Ho	$HoAlB_{14}$
Al-B-Lu	$LuAlB_{14}$
Al-B-Tb	$TbAlB_{14}$
Al-B-Yb	$YbAlB_{14}$
Al-Cd-S	$CdAl_2S_4$
Al-Cd-Se	$CdAl_2Se_4$
Al-Cd-Te	$CdAl_2Te_4$
Al-Co-O	$CoAl_2O_4$
Al-Cu-Fe-S	$(CuAlS_2)_x(CuFeS_2)_{1-x}$
Al-Cu-Ga-S	$(CuAlS_2)_x(CuGaS_2)_{1-x}$
Al-Cu-Ga-S-Se	$CuAl_xGa_{1-x}(S_{1/2}Se_{1/2})_2$
Al-Cu-Ga-Se	$(CuAlSe_2)_x(CuGaSe_2)_{1-x}$
Al-Cu-Ge-Se	$CuAlGeSe_4$
Al-Cu-In-S	$(CuAlS_2)_x(CuInS_2)_{1-x}$
Al-Cu-In-Se	$(CuAlSe_2)_x(CuInSe_2)_{1-x}$
Al-Cu-S	$CuAlS_2$
Al-Cu-S–Se	$(CuAlS_2)_x(CuAlSe_2)_{1-x}$
	$CuAlS_{2x}Se_{2(1-x)}$
Al-Cu-Se	$CuAlSe_2$
Al-Cu-Se-Sn	$CuAlSnSe_4$
Al-Cu-Se-Zn	$(CuAlSe_2)_{1-x}(2ZnSe)_x$
Al-Cu-Te	$CuAlTe_2$
Al-Ga-Mg-S	$MgAl_xGa_{2-x}S_4$
Al-Ga-S-Zn	$(ZnAl_2S_4)_{1-x}(ZnGa_2S_4)_x$
Al-Hg-S	$HgAl_2S_4$
Al-Hg-Se	$HgAl_2Se_4$
Al-Hg-Te	$HgAl_2Te_4$
Al-S	Al_2S_3
Al-S-Zn	$ZnAl_2S_4$
Al-Se	Al_2Se_3
Al-Se-Zn	$ZnAl_2Se_4$
Al-Te	Al_2Te_3
Al-Te-Tl	$AlTlTe_2$
Al-Te-Zn	$ZnAl_2Te_4$
As-Br-Cd	$Cd_4As_2Br_3$
As-Br-S	$AsSBr$
As-Cd-Cl	$Cd_4As_2Cl_3$
As-Cd-Ga	$CdGaAs_2$
As-Cd-Ga-Sb-Sn	$(CdSnAs_2)_{1-x}(GaSb)_{2x}$
As-Cd-Ge	$CdGeAs_2$
As-Cd-Ge-P	$(CdGeP_2)_{1-x}(CdGeAs_2)_x$
	$CdGeP_{2x}As_{2x-2}$
As-Cd-Ge-Pb	$CdGe_{1-x}Pb_xAs_2$
	$CdPb_{0.2}Ge_{0.8}As_2$
As-Cd-Ge-Si	$(CdSiAs_2)_{1-x}(CdGeAs_2)_x$
	$CdSi_{0.2}Ge_{0.8}As_2$
	$CdSi_xGe_{1-x}As_2$
As-Cd-Ge-Sn	$CdGe_{1-x}Sn_xAs_2$
	$CdSn_{0.2}Ge_{0.8}As_2$
As-Cd-Ge-Zn	$(ZnGeAs_2)_{1-x}(CdGeAs_2)_x$
As-Cd-I	$Cd_4As_2I_3$
As-Cd-P-Sn	$(CdSnAs_2)_{1-x}(CdSnP_2)_x$
	$CdSnP_{2x}As_{2(1-x)}$
As-Cd-Sb	$CdSbAs_2$
As-Cd-Si	$CdSiAs_2$
As-Cd-Si-Zn	$(ZnSiAs_2)_{1-x}(CdSiAs_2)_x$
	$Zn_xCd_{1-x}SiAs_2$
As-Cd-Sn	$CdSnAs_2$
As-Cd-Sn-Zn	$Zn_xCd_{1-x}SnAs_2$
As-Cu-In-Se	$(CuInSe_2)_{1-x}(2InAs)_x$
As-Cu-S	Cu_3AsS_3
	Cu_3AsS_4
As-Cu-Se	Cu_3AsSe_4
As-Cu-Te	Cu_3AsTe_4
As-Ga-Si-Zn	$(ZnSiAs_2)_{1-x}(GaAs)_{2x}$
As-Ge-Zn	$ZnGeAs_2$
As-In-Te	$In_8As_5Te_3$
As-P-Si-Zn	$ZnSiAs_{2x}P_{2(1-x)}$
As-S-Tl	Tl_3AsS_3
	$Tl_4As_2S_5$
	$Tl_6As_4S_9$
	$TlAsS_2$
As-Sb-Zn	$ZnSbAs_2$
As-Se-Tl	Tl_3AsSe_3
	$TlAsSe_2$
As-Si-Zn	$ZnSiAs_2$
As-Sn-Zn	$ZnSnAs_2$
Ba-Ce-S	$BaCe_2S_4$
Ba-Ce-Se	$BaCe_2Se_4$
Ba-Cr-Fe-La-O	$La_{0.85}Ba_{0.15}Fe_xCr_{1-x}O_3$
Ba-Cr-La-Mn-O	$La_{0.85}Ba_{0.15}Mn_{1-x}Cr_xO_3$

Element System	Substance
Ba-Cr-S	$BaCr_2S_4$
Ba-Cr-Se	$BaCr_2Se_4$
Ba-Cu-S	$BaCu_4S_3$
Ba-Dy-S	$BaDy_2S_4$
Ba-Dy-Se	$BaDy_2Se_4$
Ba-Er-S	$BaEr_2S_4$
Ba-Er-Se	$BaEr_2Se_4$
Ba-Fe-La-Mn-O	$La_{085}Ba_{0.15}Fe_xMn_{1-x}O_3$
Ba-Fe-O	$BaFe_{12}O_{19}$
Ba-Gd-S	$BaGd_2S_4$
Ba-Gd-Se	$BaGd_2Se_4$
Ba-Ho-S	$BaHo_2S_4$
Ba-La-S	$BaLa_2S_4$
Ba-La-Se	$BaLa_2Se_4$
Ba-Lu-S	$BaLu_2S_4$
Ba-Lu-Se	$BaLu_2Se_4$
Ba-Nd-S	$BaNd_2S_4$
Ba-Nd-Se	$BaNd_2Se_4$
Ba-O-Os	$Ba0._5OsO_3$
Ba-O-Ti	$BaTiO_3$
Ba-Pr-S	$BaPr_2S_4$
Ba-Pr-Se	$BaPr_2Se_4$
Ba-S-Sm	$BaSm_2S_4$
Ba-S-Tb	$BaTb_2S_4$
Ba-S-Tm	$BaTm_2S_4$
Ba-S-Y	BaY_2S_4
Ba-S-Yb	$BaYb_2S_4$
Ba-Se-Sm	$BaSm_2Se_4$
Ba-Se-Y	BaY_2Se_4
Ba-Se-Yb	$BaYb_2Se_4$
Bi-Br-O	$BiOBr$
Bi-Br-S	$BiSBr$
Bi-Br-Se	$BiSeBr$
Bi-Br-Te	$BiTeBr$
Bi-Ce-Bi	$CeBiSe_3$
Bi-Ce-Te	$CeBiTe_3$
Bi-Ce-S	$CeBiS_3$
Bi-Cl-O	$BiOCl$
Bi-Cl-S	$BiSCl$
Bi-Cl-Se	$BiSeCl$
Bi-Cu-Se	$CuBiSe_2$
Bi-Cu-Te	$CuBiTe_2$
Bi-Dy-Te	$DyBiTe_3$
Bi-Er-Te	$ErBiTe_3$
Bi-Eu-S	$EuBi_2S_4$
Bi-Eu-Se	$EuBi_2Se_4$
Bi-Eu-Te	$EuBi_2Te_4$
Bi-Gd-S	$GdBiS_3$
Bi-Gd-Se	$GdBiSe_3$
Bi-Gd-Te	$GdBiTe_3$
Bi-Ge-O	$Bi_{12}GeO_{20}$
Bi-Ge-Te	$GeBi_2Te_4$
	$GeBi_4Te_7$
Bi-Ho-Te	$HoBiTe_3$
Bi-I-O	$BiOI$
Bi-I-S	$BiSI$
Bi-I-Se	$BiSeI$
Bi-I-Te	$BiTeI$
Bi-In-Sb-Te	$(In_2Te_3)_x(Bi_{1/2}Sb_{3/2}Te_3)_{1-x}$
Bi-In-Se	$(In_2Se_3)_x(Bi_2Se_3)_{1-x}$
Bi-In-Se-Te	$(In_2Te_3)_x(BiTe_{3-y}Se_y)_{1-x}$
Bi-In-Te	$In_4Bi_6Te_{15}$
Bi-La-S	$LaBiS_3$
Bi-La-Se	$LaBiSe_3$
Bi-La-Te	$LaBiTe_3$
Bi-Lu-Te	$LuBiTe_3$
Bi-Nd-Se	$NdBiSe_3$
Bi-Nd-Te	$NdBiTe_3$
Bi-O-Os	$Bi_2Os_2O_7$
Bi-O-Pt	$Bi_2Pt_2O_7$
Bi-O-Si	$Bi_{12}SiO_{20}$
Bi-Pb-Te	$PbBi_4Te_7$
Bi-Pb-Te-Tl	$(PbTe)_{1-x}(TlBiTe_2)_{x/2}$
Bi-Pr-S	$PrBiS_3$
Bi-Pr-Se	$PrBiSe_3$
Bi-Pr-Te	$PrBiTe_3$
Bi-S-Tl	$Tl_4Bi_2S_5$
	$TlBiS_2$
Bi-Sb-Te-Tl	$TlSb_{1-x}Bi_xTe_2$
Bi-Se-Tl	$TlBiSe_2$
Bi-Sm-Te	$SmBiTe_3$
Bi-Sn-Te	$SnBi_2Te_4$
	$SnBi_4Te_7$
Bi-Sn-Te-Tl	$(SnTe)_{1-x}(TlBiTe_2)_{x/2}$
Bi-Tb-Te	$TbBiTe_3$
Bi-Te-Tl	Tl_9BiTe_6
	$TlBiTe_2$
	$TlBiTe_3$
Bi-Te-Tm	$TmBiTe_3$
Bi-Te-Y	$YBiTe_3$
Br-C-Gd	$Gd_{12}Br_{17}C_6$
Br-Cd-P	$Cd_4P_2Br_3$
Br-Cr-Cu-S	$CuCr_2S_3Br$
Br-Cr-Cu-Se	$CuCr_2Se_{4-x}Br_x$
	$CuCr_2Se_3Br$
Br-Cr-Cu-Te	$CuCr_2Te_3Br$
Br-D-Tb	$TbBrD_2$
Br-Dy-Tb	$TbBrD_y$
Br-Gd-H	$GdBrH_y$
	$GdBrH_2$
Br-S-Sb	$SbSBr$
Br-Sb-Se	$SbSeBr$
C-Cl-Gd	$Gd_{10}Cl_{17}C_4$
	$Gd_{10}Cl_{18}C_4$
	$Gd_6Cl_5C_{3+x}$
C-Gd-I	Gd_3I_3C
	Gd_4I_5C
C-I-Sc	$Sc_6I_{11}C_2$
Ca-Ce-S	$CaCe_2S_4$
Ca-Dy-S	$CaDy_2S_4$
Ca-Dy-Te	$CaDy_2Te_4$
Ca-Er-S	$CaEr_2S_4$
Ca-Er-Se	$CaEr_2Se_4$
Ca-Er-Te	$CaEr_2Te_4$
Ca-Fe-La-Mn-O	$La_{1-x}Ca_xFe_{1-x}Mn_xO_3$
Ca-Gd-S	$CaGd_2S_4$
Ca-Ho-S	$CaHo_2S_4$
Ca-Ho-Se	$CaHo_2Se_4$
Ca-Ho-Te	$CaHo_2Te_4$
Ca-In-Se	$(CaSe)_x(In_2Se_3)_{1-x}$
	$CaIn_2Se_4$
Ca-La-S	$CaLa_2S_4$
Ca-Lu-S	$CaLu_2S_4$
Ca-Lu-Se	$CaLu_2Se_4$
Ca-Lu-Te	$CaLu_2Te_4$
Ca-Nd-S	$CaNd_2S_4$
Ca-O-Os	$Ca_2Os_2O_7$
Ca-O-Pt	Ca_4PtO_6
Ca-O-Ti	$CaTiO_3$
Ca-Pr-S	$CaPr_2S_4$
Ca-S-Sm	$CaSm_2S_4$
Ca-S-Tb	$CaTb_2S_4$
Ca-S-Tm	$CaTm_2S_4$
Ca-S-Yb	$CaYb_2S_4$
Ca-Se-Tm	$CaTm_2Se_4$
Ca-Se-Y	CaY_2Se_4
Ca-Se-Yb	$CaYb_2Se_4$
Ca-Te-Tm	$CaTm_2Te_4$
Ca-Te-Y	CaY_2Te_4
Cd-Ce-S	$CdCe_2S_4$
Cd-Ce-Se	$CdCe_2Se_4$
Cd-Cl-P	$Cd_4P_2Cl_3$
Cd-Co-In-Se	$(CoIn_2Se_4)_{1-x}(CdIn_2Se_4)_x$
Cd-Cr-S	$CdCr_2S_4$
Cd-Cr-Se	$CdCr_2Se_4$
Cd-Cu-Ga-Se	$(CuGaSe_2)_{1-x}(2CdSe)_x$
Cd-Cu-Ga-Te	$(CuGaTe_2)_{1-x}(2CdTe)_x$
Cd-Cu-Ge-S	Cu_2CdGeS_4
Cd-Cu-Ge-S-Se	$(Cu_2GeS_3)_{1-x}(CdSe)_x$
Cd-Cu-Ge-Se	$Cu_2CdGeSe_4$
Cd-Cu-S-Se-Sn	$(Cu_2SnS_3)_{1-x}(CdSe)_x$
Cd-Cu-S-Si	Cu_2CdSiS_4
Cd-Cu-S-Sn	Cu_2CdSnS_4
Cd-Cu-Se-Si	$Cu_2CdSiSe_4$
Cd-Cu-Se-Sn	$Cu_2CdSnSe_4$
Cd-Dy-S	$CdDy_2S_4$
Cd-Dy-Se	$CdDy_2Se_4$
Cd-Er-S	$CdEr_2S_4$
	$CdEr_4S_7$
Cd-Er-Se	$CdEr_2Se_4$
	$CdEr_4Se_7$
Cd-Fe-S-Sn	$Cd_{1-x}Fe_x(FeSn)S_4$
Cd-Ga-In-S	$CdGaInS_4$
Cd-Ga-In-S-Zn	$(ZnGaInS_4)_{1-x}(CdGaInS_4)_x$
Cd-Ga-In-Se	$(CdGa_2Se_4)_{1-x}(CdIn_2Se_4)_x$
Cd-Ga-Mn-Se	$(MnGa_2Se_4)_{1-x}(CdGa_2Se_4)_x$
Cd-Ga-S	$CdGa_2S_4$
Cd-Ga-S-Se	$(CdGa_2S_4)_{1-x}(GdGa_2Se_4)_x$
Cd-Ga-S-Zn	$(ZnGa_2S_4)_{1-x}(CdGa_2S_4)_x$
Cd-Ga-Se	$CdGa_2Se_4$
Cd-Ga-Se-Zn	$(ZnGa_2Se_4)_{1-x}(CdGa_2Se_4)_x$
Cd-Ga-Te	$CdGa_2Te_4$

Element System	Substance
Cd-Gd-S	$CdGd_2S_4$
Cd-Gd-Se	$CdGd_2Se_4$
Cd-Ge-P	$CdGeP_2$
Cd-Ge-P-Sn	$(CdGeP_2)_{1-x}(CdSnP_2)_x$
	$CdGe_xSn_{1-x}P_2$
Cd-Ge-P-Zn	$(ZnGeP_2)_{1-x}(CdGeP_2)_x$
Cd-Ho-S	$CdHo_2S_4$
	$CdHo_4S_7$
Cd-Ho-Se	$CdHo_2Se_4$
	$CdHo_4Se_7$
Cd-I-P	$Cd_4P_2I_3$
Cd-In-S	$CdIn_2S_4$
	$CdInS_2$
Cd-In-S-Zn	$(ZnIn_2S_4)_{1-x}(CdIn_2S_4)_x$
Cd-In-Se	$CdIn_2Se_4$
	$CdInSe_2$
Cd-In-Se-Te	$(CdIn_2Se_4)_x(CdIn_2Te_4)_{1-x}$
Cd-In-Te	$CdIn_2Te_4$
	$CdInTe_2$
Cd-La-S	$CdLa_2S_4$
Cd-La-Se	$CdLa_2Se_4$
Cd-Lu-S	$CdLu_2S_4$
Cd-Nd-S	$CdNd_2S_4$
Cd-Nd-Se	$CdNd_2Se_4$
Cd-O-Os	$Cd_2Os_2O_7$
Cd-O-Sn	Cd_2SnO_4
	$CdSnO_3$
Cd-P-Sb	$CdSbP_2$
Cd-P-Si	$CdSiP_2$
Cd-P-Sn	$CdSnP_2$
Cd-Pr-S	$CdPr_2S_4$
Cd-Pr-Se	$CdPr_2Se_4$
Cd-S-Sc	$CdSc_2S_4$
Cd-S-Sm	$CdSm_2S_4$
Cd-S-Tb	$CdTb_2S_4$
Cd-S-Tl	$CdTlS_2$
Cd-S-Tm	$CdTm_2S_4$
	$CdTm_4S_7$
Cd-S-Y	CdY_2S_4
Cd-S-Yb	$CdYb_2S_4$
	$CdYb_4S_7$
Cd-Se-Sm	$CdSm_2Se_4$
Cd-Se-Tl	$CdTl_2Se_4$
	$CdTlSe_2$
Cd-Se-Y	CdY_2Se_4
Cd-Se-Yb	$CdYb_2Se_4$
	$CdYb_4Se_7$
Cd-Te-Tl	$CdTlTe_2$
Ce-Cr-O	$CeCrO_3$
Ce-Cs-S	$CsCeS_2$
Ce-Cu-S	$CuCeS_2$
Ce-Cu-Sb	$Ce_3Cu_3Sb_4$
Ce-Fe-O	$CeFeO_3$
Ce-Ga-S	$Ga_{10/3}Ce_6S_{14}$
Ce-Ga-S	$GaCeS_3$
Ce-Ga-Se	$CeGaSe_3$
Ce-Ge-Se	Ce_2GeSe_5
Ce-Hf-S	$HfCe_2S_5$
Ce-Hf-Se	$HfCe_2Se_5$
Ce-In-S	$CeIn_3S_6$
	$CeInS_3$
Ce-K-S	$KCeS_2$
Ce-Mn-O	$CeMnO_3$
Ce-Mo-O	$Ce_2Mo_3O_9$
Ce-Na-S	$NaCeS_2$
Ce-Na-Se	$NaCeSe_2$
Ce-O-Ti	$CeTiO_3$
Ce-O-V	$CeVO_3$
Ce-O-W	$Ce_2(WO_4)_3$
Ce-Rb-S	$RbCeS_2$
Ce-S-Sr	$SrCe_2S_4$
Ce-S-Tl	$CeTlS_2$
Ce-Sb-Se	$CeSbSe_3$
Ce-Sb-Te	$CeSbTe_3$
Ce-Se-Sn	Ce_2SnSe_5
Ce-Se-Sr	$SrCe_2Se_4$
Ce-Se-Tl	$CeTlSe_2$
Ce-Te-Tl	$CeTlTe_2$
Cl-Cr-Cu-S	$CuCr_2S_3Cl$
Cl-Cr-Cu-Se	$CuCr_2Se_3Cl$
Cl-Cr-Cu-Te	$CuCr_2Te_3Cl$
Cl-Cs-Zr	$CsZrCl_6$
Cl-Gd-H	$GdClH_y$
Cl-Se-Tl	$ClTl_2Se_4$
Co-Cr-S	$CoCr_2S_4$
Co-Cr-Te	$CoCr_2Te_4$
Co-Cu-Ge-S	Cu_2CoGeS_4
Co-Cu-Ge-Se	$Cu_2CoGeSe_4$
Co-Cu-S-Si	Cu_2CoSiS_4
Co-Cu-S-Sn	Cu_2CoSnS_4
Co-Ga-In-S	$(CoGa_2S_4)_{1-x}(CoIn_2S_4)_x$
Co-Ga-S	$CoGa_2S_4$
Co-In-S	$CoIn_2S_4$
Co-In-S-Zn	$(CoIn_2S_4)_{1-x}(ZnIn_2S_4)_x$
Co-La-Mn-O	$LaCo_{1-x}Mn_xO_3$
Co-La-Mn-O-Y	$La_{0.85}Y_{0.15}Mn_{1-x}Co_xO_3$
Co-La-Mo-O	$LaCo_{0.75}Mo_{0.25}O_3$
Co-La-O	$LaCoO_3$
Co-La-O-Sr	$La_{1-x}Sr_xCoO_3$
Co-La-O-Th	$La_{1-x}Th_xCoO_3$
Co-La-O-W	$LaCo_{0.75}W_{0.25}O_3$
Co-Nb-S	Co_xNbS_2
Co-O-V	$Co_3V_2O_8$
	CoV_2O_4
Co-Rh-S	$CoRh_2S_4$
Co-S-Zr	Co_xZrS_2
Cr-Cu-Fe-S	$Fe_{1-x}Cu_xCr_2S_4$
Cr-Cu-I-S	$CuCr_2S_3I$
Cr-Cu-I-Se	$CuCr_2Se_3I$
Cr-Cu-I-Te	$CuCr_2Te_3I$
Cr-Cu-S	$CuCr_2S_4$
	$CuCrS_2$
Cr-Cu-S-Se	$CuCr_2S_{4-x}Se_x$
Cr-Cu-Se	$CuCr_2Se_4$
Cr-Dy-O	$DyCrO_3$
Cr-Dy-S	$DyCrS_3$
Cr-Dy-Se	Dy_2CrSe_4
	$DyCrSe_3$
Cr-Er-O	$ErCrO_3$
Cr-Er-S	$ErCrS_3$
Cr-Er-Se	Er_2CrSe_4
	$ErCrSe_3$
Cr-Eu-O	$EuCrO_3$
Cr-Eu-S	$EuCr_2S_4$
Cr-Eu-Se	$EuCr_2Se_4$
Cr-Eu-Te	$EuCr_2Te_4$
Cr-Fe-S	$FeCr_2S_4$
Cr-Fe-Se	$FeCr_2Se_4$
Cr-Fe-Te	$FeCr_2Te_4$
Cr-Ga-Mn-S	$(MnGa_2S_4)_{1-x}(MnCr_2S_4)_x$
Cr-Gd-O	$GdCrO_3$
Cr-Gd-S	$GdCrS_3$
Cr-Gd-Se	$GdCrSe_3$
	Gd_2CrSe_4
Cr-Gd-Te	$GdCrTe_3$
Cr-Hg-S	$HgCr_2S_4$
Cr-Hg-Se	$HgCr_2Se_4$
Cr-Ho-O	$HoCrO_3$
Cr-Ho-S	$HoCrS_3$
Cr-Ho-Se	Ho_2CrSe_4
	$HoCrSe_3$
Cr-K-O	K_2CrO_4
Cr-La-Mg-O	$La_{0.8}Mg_{0.2}CrO_3$
Cr-La-O	$LaCrO_3$
Cr-La-O-Sr	$La_{1-x}Sr_xCrO_3$
Cr-La-Se	La_2CrSe_4
Cr-Lu-O	$LuCrO_3$
Cr-Lu-S	$LuCrS_3$
Cr-Lu-Se	Lu_2CrSe_4
	$LuCrSe_3$
Cr-Mn-S	$MnCr_2S_4$
Cr-Nd-O	$NdCrO_3$
Cr-Nd-S	Nd_2CrS_4
Cr-Nd-Se	Nd_2CrSe_4
Cr-Ni-Se	$NiCr_2Se_4$
Cr-O-Pb	$PbCrO_3$
Cr-O-Pr	$PrCrO_3$
Cr-O-Sm	$SmCrO_3$
Cr-O-Tb	$TbCrO_3$
Cr-O-Tm	$TmCrO_3$
Cr-O-Yb	$YbCrO_3$
Cr-Pr-S	Pr_2CrS_4
Cr-Pr-Se	Pr_2CrSe_4
Cr-S-Sm	Sm_2CrS_4
Cr-S-Tb	$TbCrS_3$
Cr-S-Tm	$TmCrS_3$
Cr-S-V	$V_xCr_{3-x}S_4$
Cr-S-Y	Y_2CrS_4
Cr-S-Y	$YCrS_3$
Cr-S-Yb	$YbCr_2S_4$
	$YbCrS_3$
Cr-S-Zn	$ZnCr_2S_4$

Element System	Substance
Cr-Se-Sm	Sm_2CrSe_4
Cr-Se-Tb	Tb_2CrSe_4
	$TbCrSe_3$
Cr-Se-Tm	$TmCrSe_3$
Cr-Se-V	VCr_2Se_4
Cr-Se-Y	Y_2CrSe_4
	$YCrSe_3$
Cr-Se-Yb	Yb_2CrSe_4
	$YbCr_2Se_4$
	$YbCrSe_3$
Cr-Se-Zn	$ZnCr_2Se_4$
Cr-Te-Y	$YCrTe_3$
Cs-La-S	$CsLaS_2$
Cs-O-V	$Cs_xV_3O_7$
Cu-Dy-S	Cu_3DyS_3
	Cu_5DyS_4
Cu-Dy-Sb	$Dy_3Cu_3Sb_4$
Cu-Dy-Se	Cu_3DySe_3
	Cu_5DySe_4
Cu-Dy-Te	Cu_3DyTe_3
	Cu_5DyTe_4
Cu-Er-S	Cu_3ErS_3
	Cu_5ErS_4
Cu-Er-Sb	$Er_3Cu_3Sb_4$
Cu-Er-Se	Cu_5ErSe_4
Cu-Er-Te	Cu_3ErTe_3
Cu-Eu-O	Eu_2CuO_4
Cu-Fe-Ge-S	Cu_2FeGeS_4
Cu-Fe-Ge-Se	$Cu_2FeGeSe_4$
Cu-Fe-In-S	$(CuInS_2)_x(CuFeS_2)_{1-x}$
Cu-Fe-O	$CuFe_2O_4$
Cu-Fe-S	$CuFeS_2$
Cu-Fe-S-Se	$(CuFeS_2)_x(CuFeSe_2)_{1-x}$
Cu-Fe-S-Si	Cu_2FeSiS_4
Cu-Fe-S-Sn	Cu_2FeSnS_4
Cu-Fe-Se	$CuFeSe_2$
Cu-Fe-Se-Si	$Cu_2FeSiSe_4$
Cu-Fe-Se-Sn	$Cu_2FeSnSe_4$
Cu-Fe-Te	$CuFeTe_2$
Cu-Ga-Ge-Se	$CuGaGeSe_4$
Cu-Ga-In-S	$(CuGaS_2)_x(CuInS_2)_{1-x}$
	$CuGa_{1-x}In_xS_2$
Cu-Ga-In-Se	$(CuGaSe_2)_x(CuInSe_2)_{1-x}$

Element System	Substance
	$CuGa_{1-x}In_xSe_2$
Cu-Ga-In-Te	$(CuGaTe_2)_x(CuInTe_2)_{1-x}$
Cu-Ga-S	$CuGaS_2$
Cu-Ga-S-Se	$(CuGaS_2)_x(CuGaSe_2)_{1-x}$
	$CuGaS_{2x}Se_{2(1-x)}$
	$CuGaS_{2-x}Se_{2x}$
Cu-Ga-S-Zn	$(CuGaS_2)_{1-x}(2ZnS)_x$
Cu-Ga-Se	$Cu_3Ga_5Se_9$
	$CuGaSe_2$
	$(Cu_2Se)_{1-x}(Ga_2Se_3)_x$
Cu-Ga-Se-Sn	$CuGaSnSe_4$
Cu-Ga-Se-Te	$(CuGaSe_2)_x(CuGaTe_2)_{1-x}$
	$(Ga_2Se_3)_x(Cu_2Te_3)_{1-x}$
Cu-Ga-Se-Zn	$(CuGaSe_2)_{1-x}(2ZnSe)_x$
Cu-Ga-Te	$(Ga_2Te_3)_x(Cu_2Te_3)_{1-x}$
	$Cu_2Ga_4Te_7$
	$CuGaTe_2$
	$(Cu_2Te)_{1-x}(Ga_2Te_3)_x$
Cu-Gd-O	Gd_2CuO_4
Cu-Gd-S	Cu_3GdS_3
	Cu_5GdS_4
	$CuGdS_2$
Cu-Gd-Sb	$Gd_3Cu_3Sb_4$
Cu-Gd-Se	Cu_3GdSe_3
	Cu_5GdSe_4
Cu-Gd-Te	Cu_3GdTe_3
	Cu_5GdTe_4
Cu-Ge-Hg-S	Cu_2HgGeS_4
Cu-Ge-Hg-Se	$Cu_2HgGeSe_4$
Cu-Ge-In-Se	$CuInGeSe_4$
Cu-Ge-Mn-S	Cu_2MnGeS_4
Cu-Ge-Mn-Se	$Cu_2MnGeSe_4$
Cu-Ge-Ni-S	Cu_2NiGeS_4
Cu-Ge-Ni-Se	$Cu_2NiGeSe_4$
Cu-Ge-P-S	$(Cu_2GeS_3)_{1-x}(CuGe_2P_3)_x$
Cu-Ge-S	Cu_2GeS_3
	$Cu_4Ge_3S_5$
	Cu_8GeS_6
Cu-Ge-S-Zn	Cu_2ZnGeS_4
Cu-Ge-Se	Cu_8GeSe_6
	Cu_2GeSe_2
	Cu_2GeSe_3
	$Cu_4Ge_3Se_5$

Element System	Substance
Cu-Ge-Se-Sn	$(Cu_2GeSe_3)_x(Cu_2SnSe_3)_{1-x}$
Cu-Ge-Se-Zn	$Cu_2ZnGeSe_4$
Cu-Ge-Te	Cu_2GeTe_3
Cu-Hg-S-Si	Cu_2HgSiS_4
Cu-Hg-S-Sn	Cu_2HgSnS_4
Cu-Hg-Se-Si	$Cu_2HgSiSe_4$
Cu-Hg-Se-Sn	$Cu_2HgSnSe_4$
Cu-Ho-S	Cu_3HoS_3
	Cu_5HoS_4
Cu-Ho-Sb	$Ho_3Cu_3Sb_4$
Cu-Ho-Se	Cu_3HoSe_3
	Cu_5HoSe_4
Cu-Ho-Te	Cu_3HoTe_3
Cu-In-Li-Se	$(CuInSe_2)_x(LiInSe_2)_{1-x}$
Cu-In-Li-Te	$(CuInTe_2)_x(LiInTe_2)_{1-x}$
Cu-In-Mn-Se	$(CuInSe_2)_{1-x}(2MnSe)_x$
Cu-In-Mn-Te	$(CuInTe_2)_{1-x}(2MnTe)_x$
Cu-In-S	$CuInS_2$
	$(Cu_2S)_{1-x}(In_2S_3)_x$
Cu-In-S-Se	$(CuInS_2)_x(CuInSe_2)_{1-x}$
	$CuInS_{2x}Se_{2(1-x)}$
Cu-In-Se	$Cu_3In_5Se_9$
	$CuInSe_2$
	$(Cu_2Se)_{1-x}(In_2Se_3)_x$
Cu-In-Se-Sn	$CuInSnSe_4$
Cu-In-Se-Te	$(CuInSe_2)_x(CuInTe_2)_{1-x}$
	$CuInTe_{2(1-x)}Se_{2x}$
Cu-In-Se-Zn	$(CuInSe_2)_{1-x}(2ZnSe)_x$
Cu-In-Te	$Cu_2In_4Te_7$
	$Cu_3In_5Te_9$
	$CuIn_3Te_5$
	$CuInTe_{2(1-x)}Te_{2x}$
	$CuInTe_2$
Cu-In-T	$(Cu_2Te)_{1-x}(In_2Te_3)_x$
Cu-La-S	$CuLaS_2$
Cu-La-Sb	$La_3Cu_3Sb_4$
Cu-Li-O	Li_3CuO_3
Cu-Lu-S	Cu_3LuS_3
	Cu_5LuS_4
Cu-Lu-Se	Cu_5LuSe_4
Cu-Mn-S-Si	Cu_2MnSiS_4
Cu-Mn-S-Sn	Cu_2MnSnS_4
Cu-Mn-Se-Si	$Cu_2MnSiSe_4$

Element System	Substance
Cu-Mn-Se-Sn	$Cu_2MnSnSe_4$
Cu-Nb-O	$CuNbO_3$
Cu-Nd-O	Nd_2CuO_4
Cu-Nd-S	$CuNdS_2$
Cu-Nd-Sb	$Nd_3Cu_3Sb_4$
Cu-Ni-S-Si	Cu_2NiSiS_4
Cu-Ni-S-Sn	Cu_2NiSnS_4
Cu-O-Pr	Pr_2CuO_4
Cu-O-Sm	Sm_2CuO_4
Cu-O-Ta	$CuTa_2O_6$
	$CuTaO_3$
Cu-P-S	Cu_3PS_4
Cu-P-Se	Cu_3PSe_4
Cu-Pr-S	$CuPrS_2$
Cu-Pr-Sb	$Pr_3Cu_3Sb_4$
Cu-S-Sb	Cu_3SbS_3
	Cu_3SbS_4
	$CuSbS_2$
Cu-S-Sc	Cu_3ScS_3
Cu-S-Si	Cu_2SiS_3
	Cu_8SiS_6
Cu-S-Si-Zn	Cu_2ZnSiS_4
Cu-S-Sm	Cu_3SmS_3
	$CuSmS_2$
Cu-S-Sn	Cu_2SnS_3
	Cu_4SnS_4
Cu-S-Sn-Zn	Cu_2ZnSnS_4
Cu-S-Tb	Cu_3TbS_3
	Cu_5TbS_4
	$CuTbS_2$
Cu-S-Tl	$CuTlS_2$
Cu-S-Tm	Cu_3TmS_3
Cu-S-V	Cu_3VS_4
Cu-S-Y	Cu_3YS_3
Cu-S-Yb	Cu_3YbS_3
	Cu_5YbS_4
Cu-Sb-Se	Cu_3SbSe_4
	$CuSbSe_2$
Cu-Sb-Sm	$Sm_3Cu_3Sb_4$
Cu-Sb-Tb	$Tb_3Cu_3Sb_4$
Cu-Sb-Te	Cu_3SbTe_4
	$CuSbTe_2$
Cu-Sb-Y	$Y_3Cu_3Sb_4$

Element System	Substance
Cu-Sc-Se	Cu_3ScSe_3
Cu-Se-Si	Cu_2SiSe_3
	Cu_8SiSe_6
Cu-Se-Si-Zn	$Cu_2ZnSiSe_4$
Cu-Se-Sm	Cu_3SmSe_3
Cu-Se-Sn	Cu_2SnSe_3
	$Cu_4Sn_3Se_5$
Cu-Se-Sn-Zn	$Cu_2ZnSnSe_4$
Cu-Se-Tb	Cu_3TbSe_3
	Cu_5TbSe_4
Cu-Se-Tl	$CuTlSe_2$
Cu-Se-Y	Cu_3YSe_3
Cu-Se-Yb	Cu_3YbSe_3
	Cu_5YbSe_4
Cu-Si-Te	Cu_2SiTe_3
Cu-Sm-Te	Cu_3SmTe_3
Cu-Sn-Te	Cu_2SnTe_3
Cu-Tb-Te	Cu_3TbTe_3
	Cu_5TbTe_4
Cu-Te-Tl	$CuTlTe_2$
Cu-Te-Tm	Cu_3TmTe_3
Cu-Te-Y	Cu_3YTe_3
Dy-Fe-Mo-O	$DyFe_{0.75}Mo_{0.25}O_3$
Dy-Fe-O	$DyFeO_3$
Dy-In-S	$DyIn_3S_6$
Dy-Ir-O	$Dy_2Ir_2O_7$
Dy-K-S	$KDyS_2$
Dy-Mn-O	$Dy_2Mn_2O_7$
	$DyMnO_3$
Dy-Mo-O	$Dy_2(MoO_4)_3$
	$Dy_2Mo_2O_7$
	$Dy_2Mo_3O_9$
Dy-Na-S	$NaDyS_2$
Dy-Na-Se	$NaDySe_2$
Dy-O-Te	$Dy_2Te_3O_9$
Dy-O-Ti	$DyTiO_3$
Dy-O-V	$DyVO_3$
Dy-O-V-W	$Dy_2W_{2/3}V_{4/3}O_7$
Dy-O-W	$Dy_2(WO_4)_3$
Dy-S-Sr	$SrDy_2S_4$
Dy-S-Tl	$DyTlS_2$
Dy-Sb-Te	$DySbTe_3$
Dy-Se-Sr	$SrDy_2Se_4$
Dy-Se-Tl	$DyTlSe_2$
Dy-Te-Tl	$DyTlTe_2$
Er-Fe-Mo-O	$ErFe_{0.75}Mo_{0.25}O_3$
Er-Fe-O	$ErFeO_3$
Er-Ga-S	$ErGaS_3$
Er-Hf-S	$HfEr_2S_5$
Er-In-S	$ErIn_3S_6$
Er-K-S	$KErS_2$
Er-Li-S	$LiErS_2$
Er-Mn-O	$Er_2Mn_2O_7$
Er-Mn-O	$ErMnO_3$
Er-Mo-O	$Er_2(MoO_4)_3$
	$Er_2Mo_2O_7$
Er-Na-S	$NaErS_2$
Er-Na-Se	$NaErSe_2$
Er-O-Te	$Er_2Te_3O_9$
Er-O-Ti	$ErTiO_3$
Er-O-V	$ErVO_3$
Er-O-V-W	$Er_2W_{2/3}V_{4/3}O_7$
Er-O-W	$Er_2(WO_4)_3$
Er-S-Sr	$SrEr_2S_4$
Er-S-Tl	$ErTlS_2$
Er-S-Zr	$ZrEr_2S_5$
Er-Se-Sr	$SrEr_2Se_4$
Er-Se-Tl	$ErTlSe_2$
Er-Te-Tl	$ErTlTe_2$
Er-V-Yb	$(Er_{1-x}Yb_{1-x})_2V_2O_7$
Eu-Fe-Mo-O	$EuFe_{0.75}Mo_{0.25}O_3$
Eu-Fe-O	$EuFeO_3$
Eu-Ga-S	$EuGa_2S_4$
	Ga_2EuS_4
Eu-Ga-Se	$EuGa_2Se_4$
	Ga_2EuSe_4
Eu-Ga-Te	$EuGa_2Te_4$
	Ga_2EuTe_4
Eu-Gd-N-O	$Eu_{1-x}Gd_xO_{1-x}N_x$
Eu-In-S	$EuIn_2S_4$
	In_2EuS_4
Eu-In-Se	$EuIn_2Se_4$
	In_2EuSe_4
Eu-In-Te	$EuIn_2Te_4$
	In_2EuTe_4
Eu-Ir-O	$Eu_2Ir_2O_7$
Eu-K-S	$KEuS_2$
Eu-Mn-O	$EuMnO_3$
Eu-Mo-O	$Eu_2Mo_2O_7$
Eu-N-Nd-O	$Eu_{1-x}Nd_xO_{1-x}N_x$
Eu-N-O	$EuO_{1-x}N_x$
Eu-Na-S	$NaEuS_2$
Eu-Na-Se	$NaEuSe_2$
Eu-Nb-O	$Eu_{1.2}Nb_2O_6$
	$EuNb_2O_6$
Eu-Nb-O-Sr	$Eu_xSr_{1-x}Nb_4O_{11}$
Eu-O–Ru	$Eu_2Ru_2O_7$
Eu-O-Sr-Ta	$Eu_{1-x}Sr_xTa_4O_{11}$
Eu-O-Ta	$EuTa_2O_6$
Eu-O-Te	$Eu_2Te_3O_9$
Eu-O-Ti	$EuTiO_3$
Eu-O-V	$EuVO_3$
Eu-O-W	$Eu_2(WO_4)_3$
	$EuWO_4$
Eu-Rb-S	$RbEuS_2$
Eu-S-Sb	$EuSb_2S_4$
Eu-S-Tl	$EuTlS_2$
Eu-Sb-Se	$EuSb_2Se_4$
Eu-Sb-Te	$EuSb_2Te_4$
	$EuSbTe_3$
Eu-Se-Tl	$EuTlSe_2$
Eu-Te-Tl	$EuTlTe_2$
F-In-O	$InOF$
Fe-Gd-Mo-O	$GdFe_{0.75}Mo_{0.25}O_3$
Fe-Gd-O	$GdFeO_3$
Fe-Ho-Mo-O	$HoFe_{0.75}Mo_{0.25}O_3$
Fe-Ho-O	$HoFeO_3$
Fe-In-S	$FeIn_2S_4$
Fe-In-S-Se	$FeIn_2S_{4-x}Se_x$
Fe-La-Mo-O	$LaFe_{0.75}Mo_{0.25}O_3$
Fe-La-O	$LaFeO_3$
Fe-La-O-Sr	$La_{1-x}Sr_xFeO_3$
Fe-Li-O	$LiFe_5O_8$
Fe-Lu-Mo-O	$LuFe_{0.75}Mo_{0.25}O_3$
Fe-Lu-O	$LuFeO_3$
Fe-Mo-Nd-O	$NdFe_{0.75}Mo_{0.25}O_3$
Fe-Mo-O-Pr	$PrFe_{0.75}Mo_{0.25}O_3$
Fe-Mo-O-Sm	$SmFe_{0.75}Mo_{0.25}O_3$
Fe-Mo-O-Tb	$TbFe_{0.75}Mo_{0.25}O_3$
Fe-Mo-O-Tm	$TmFe_{0.75}Mo_{0.25}O_3$
Fe-Mo-O-Yb	$YbFe_{0.75}Mo_{0.25}O_3$
Fe-Nb-S	Fe_xNbS_2
Fe-Nd-O	$NdFeO_3$
Fe-Ni-O	$NiFe_2O_4$
Fe-O-Pb	$PbFe_{12}O_{19}$
Fe-O-Pr	$PrFeO_3$
Fe-O-Sm	$SmFeO_3$
Fe-O-Sr	$SrFe_{12}O_{19}$
Fe-O-Tb	$TbFeO_3$
Fe-O-Tm	$TmFeO_3$
Fe-O-V	FeV_2O_4
Fe-O-Yb	$YbFeO_3$
Fe-Rh-S	$Fe(FeRh)S_4$
Fe-S-Zr	Fe_xZrS_2
Fe-Se-V	VFe_2Se_4
Ga-Gd-S	$GdGaS_3$
Ga-Hg-In-S	$(HgGa_2S_4)_{1-x}(HgIn_2S_4)_x$
Ga-Hg-S	$HgGa_2S_4$
Ga-Hg-Se	$HgGa_2Se_4$
Ga-Hg-Te	$(Ga_2Te_3)_x(3HgTe)_{1-x}$
	$Hg_3Ga_2Te_6$
	$Hg_5Ga_2Te_8$
	$HgGa_2Te_4$
Ga-In-S-Zn	$ZnGaInS_4$
Ga-In-Se	$(Ga_2Se_3)_x(In_2Se_3)_{1-x}$
Ga-La-S	$Ga_{10/3}La_6S_{14}$
	$GaLaS_3$
Ga-La-Se	$LaGaSe_3$
Ga-Mg-S	$MgGa_2S_4$
Ga-Mg-Se	$MgGa_2Se_4$
Ga-Mn-S	$MnGa_2S_4$
Ga-Mn-Se	$(3MnSe)_x(Ga_2Se_3)_{1-x}$
	$MnGaSe_4$
Ga-Nd-S	$NdGaS_3$
Ga-Nd-Se	$NdGaSe_3$
Ga-P-Sn-Zn	$(ZnSnP_2)_{1-x}(GaP)_{2x}$
Ga-Pb-S	$PbGa_2S_4$
Ga-Pr-S	$PrGaS_3$
Ga-Pr-Se	$PrGaSe_3$
Ga-S	Ga_2S_3
Ga-S-Se	$(Ga_2S_3)_x(Ga_2Se_3)_{1-x}$
Ga-S-Sm	$SmGaS_3$

Element System	Substance
Ga-S-Yb	$YbGa_2S_4$
	$YbGaS_3$
Ga-S-Zn	$ZnGa_2S_4$
Ga-Sb-Te	Ga_6Sb_5Te
Ga-Se	Ga_2Se_3
Ga-Se-Sm	$SmGaSe_3$
Ga-Se-Yb	$YbGa_2Se_4$
Ga-Se-Zn	$ZnGa_2Se_4$
Ga-Te	Ga_2Te_3
Ga-Te-Zn	$ZnGa_2Te_4$
Gd-Ge-Se	Gd_2GeSe_5
Gd-H-I	$GdIH_y$
Gd-In-S	$GdIn_3S_6$
Gd-K-S	$KGdS_2$
Gd-Mn-O	$GdMnO_3$
Gd-Mo-O	$Gd_2Mo_2O_7$
	$Gd_2Mo_3O_9$
	$Gd_2(MoO_4)_3$
Gd-Na-S	$NaGdS_2$
Gd-Na-Se	$NaGdSe_2$
Gd-O-Os	$Gd_2Os_2O_7$
Gd-O-Pt	$Gd_2Pt_2O_7$
Gd-O-Ru	$Gd_2Ru_2O_7$
Gd-O-Te	$Gd_2Te_3O_9$
Gd-O-Ti	$Gd_2Ti_2O_7$
	$GdTiO_3$
Gd-O-V	$GdVO_3$
Gd-O-V-W	$Gd_2W_{2/3}V_{4/3}O_7$
Gd-O-W	$Gd_2(WO_4)_3$
Gd-Rb-S	$RbGdS_2$
Gd-S-Sr	$SrGd_2S_4$
Gd-S-Tl	$GdTlS_2$
Gd-Sb-Se	$GdSbSe_3$
Gd-Sb-Te	$GdSbTe_3$
Gd-Se-Sn	Gd_2SnSe_5
Gd-Se-Sr	$SrGd_2Se_4$
Gd-Se-Tl	$GdTlSe_2$
Gd-Se-Zr	$ZrGd_2Se_5$
Gd-Te-Tl	$GdTlTe_2$
Ge-La-Se	La_2GeSe_5
Ge-Mg-P	$MgGeP_2$
Ge-N-Zn	$ZnGeN_2$
Ge-Nd-Se	Nd_2GeSe_5
Ge-P-Zn	$ZnGeP_2$
Ge-Pr-Se	Pr_2GeSe_5
Ge-Sb-Te	$GeSb_2Te_4$
	$GeSb_4Te_7$
Ge-Se-Sm	Sm_2GeSe_5
Hf-Ho-S	$HfHo_2S_5$
Hf-La-Se	$HfLa_2Se_5$
Hf-Nb-O-Sr	Sr_2HfNbO_6
Hf-S-Sm	$HfSm_2S_5$
Hg-In-S	$HgIn_2S_4$
Hg-In-Se	$HgIn_2Se_4$
Hg-In-Te	$(In_2Te_3)_x(3HgTe)_{1-x}$
	$Hg_3In_2Te_6$
	$Hg_5In_2Te_8$
	$HgIn_2Te_4$
Hg-P-S	Hg_3PS_3
	Hg_3PS_4
Hg-S-Tl	$HgTlS_2$
Ho-In-S	$HoIn_3S_6$
Ho-K-S	$KHoS_2$
Ho-Li-S	$LiHoS_2$
Ho-Mn-O	$Ho_2Mn_2O_7$
	$HoMnO_3$
Ho-Mo-O	$Ho_2Mo_2O_7$
	$Ho_2(MoO_4)_3$
Ho-Na-S	$NaHoS_2$
Ho-Na-Se	$NaHoSe_2$
Ho-O-Te	$Ho_2Te_3O_9$
Ho-O-Ti	$HoTiO_3$
Ho-O-V	$HoVO_3$
Ho-O-V-W	$Ho_2W_{2/3}V_{4/3}O_7$
Ho-O-W	$Ho_2(WO_4)_3$
Ho-S-Sr	$SrHo_2S_4$
Ho-S-Tl	$HoTlS_2$
Ho-S-Zr	$ZrHo_2S_5$
Ho-Se-Tl	$HoTlSe_2$
Ho-Te-Tl	$HoTlTe_2$
I-S-Sb	$SbSI$
I-Sb-Se	$SbSeI$
I-Sb-Te	$SbTeI$
In-La-S	$LaIn_3S_6$
	$LaInS_3$
In-Mn-S	$MnIn_2S_4$
In-Mn-S-Se	$MnIn_2S_{4-x}Se_x$
In-Mn-Se	$MnIn_2Se_4$
In-Mn-Te	$(3MnTe)_x(In_2Te_3)_{1-x}$
	$MnIn_2Te_4$
In-Nd-S	$NdIn_3S_6$
	$NdInS_3$
In-Ni-S	$NiIn_2S_4$
In-Ni-S-Se	$NiIn_2S_{7/2}Se_{1/2}$
In-O-Sb	$In_2Sb_4O_9$
	$InSbO_4$
In-Pr-S	$PrIn_3S_6$
	$PrInS_3$
In-S	In_2S_3
In-S-Sb	$InSbS_3$
	$InSb_3S_6$
In-S-Se	$(In_2S_3)_x(In_2Se_3)_{1-x}$
	$(In_2S_3)_xSe_{1-x}$
In-S-Se-Zn	$(ZnIn_2S_4)_{1-x}(ZnIn_2Se_4)_x$
In-S-Sm	$SmIn_3S_6$
	$SmInS_3$
In-S-Tb	$TbIn_3S_6$
In-S-Y	YIn_3S_6
In-S-Yb	$YbIn_2S_4$
In-S-Zn	$Zn_2In_2S_5$
	$Zn_3In_2S_6$
	$ZnIn_2S_4$
In-Sb	a-InSb
In-Sb-Se	$(In_2Se_3)_x(Sb_2Se_3)_{1-x}$
	$InSbSe_3$
In-Sb-Se-Te	$(In_2Se_3)_x(Sb_2Te_3)_{1-x}$
In-Sb-Te	In_6Sb_5Te
	$In_7Sb_3Te_{15}$
	In_7SbTe_6
In-Se	In_2Se_3
In-Se-Yb	$YbIn_2Se_4$
In-Se-Zn	$ZnIn_2Se_4$
In-Te	In_2Te_3
In-Te-Tl	$(In_2Te_3)_x(Tl_2Te_3)_{1-x}$
In-Te-Zn	$ZnIn_2Te_4$
	$ZnInTe_2$
Ir-Nd-O	$Nd_2Ir_2O_7$
Ir-O-Sm	$Sm_2Ir_2O_7$
Ir-O-Y	$Y_2Ir_2O_7$
K-La-S	$KLaS_2$
K-Mn-O	$KMnO_4$
K-Nb-O	$KNbO_3$
K-Nd-S	$KNdS_2$
K-O-Ta	$KTaO_3$
K-Pr-S	$KPrS_2$
K-S-Sm	$KSmS_2$
K-S-Tb	$KTbS_2$
K-S-Y	KYS_2
K-S-Yb	$KYbS_2$
La-Mn-Mo-O	$LaMn_{0.75}Mo_{0.25}O_3$
La-Mn-O	$LaMnO_3$
La-Mn-O-Sr	$La_{1-x}Sr_xMnO_3$
La-Mo-Ni-O	$LaNi_{0.75}Mo_{0.25}O_3$
La-Mo-O	$La_2Mo_3O_9$
La-Na-S	$NaLaS_2$
La-Na-Se	$NaLaSe_2$
La-Ni-O	La_2NiO_4
La-Ni-O-W	$LaNi_{0.75}W_{0.25}O_3$
La-O-Pb	$La_2Pb_2O_7$
La-O-Sr-V	$La_{1-x}Sr_xVO_3$
La-O-Te	$La_2Te_3O_9$
La-O-Ti	$LaTiO_3$
La-O-V	$LaVO_3$
La-O-W	$La_2(WO_4)_3$
La-Rb-S	$RbLaS_2$
La-S-Sr	$SrLa_2S_4$
La-S-Tl	$LaTlS_2$
La-S-Zr	$ZrLa_2S_5$
La-Sb-Se	$LaSbSe_3$
La-Sb-Te	$LaSbTe_3$
La-Se-Sn	La_2SnSe_5
La-Se-Sr	$SrLa_2Se_4$
La-Se-Tl	$LaTlSe_2$
La-Se-Zr	$ZrLa_2Se_5$
La-Te-Tl	$LaTlTe_2$
Li-O-V	$LiVO_3$
Li-S-Yb	$LiYbS_2$
Lu-Mn-O	$Lu_2Mn_2O_7$
	$LuMnO_3$
Lu-O-Te	$Lu_2Te_3O_9$
Lu-O-Ti	$LuTiO_3$

Element System	Substance
Lu-O-V	$Lu_2V_2O_7$
	$LuVO_3$
Lu-S-Sr	$SrLu_2S_4$
Lu-S-Tl	$LuTlS_2$
Lu-S-Zn	$ZnLu_2S_4$
Lu-Se-Sr	$SrLu_2Se_4$
Lu-Se-Tl	$LuTlSe_2$
Mg-O-V	MgV_2O_4
Mg-P-Si	$MgSiP_2$
Mn-Nb-S	Mn_xNbS_2
Mn-Nd-O	$NdMnO_3$
Mn-O-Pr	$PrMnO_3$
Mn-O-Sm	$SmMnO_3$
Mn-O-Tb	$Tb_2Mn_2O_7$
	$TbMnO_3$
Mn-O-Tm	$Tm_2Mn_2O_7$
	$TmMnO_3$
Mn-O-V	MnV_2O_4
	$MnVO_3$
Mn-O-Y	$Y_2Mn_2O_7$
Mn-O-Yb	$Yb_2Mn_2O_7$
	$YbMnO_3$
Mn-S-Sb	$MnSb_2S_4$
Mo-Nd-O	$Nd_2Mo_2O_7$
	$Nd_2Mo_3O_9$
Mo-O-Pb	$PbMoO_4$
Mo-O-Pr	$Pr_2Mo_3O_9$
Mo-O-Sm	$Sm_2Mo_2O_7$
	$Sm_2Mo_3O_9$
Mo-O-Tb	$Tb_2(MoO_4)_3$
	$Tb_2Mo_2O_7$
Mo-O-Tm	$Tm_2(MoO_4)_3$
	$Tm_2Mo_2O_7$
Mo-O-Yb	$Yb_2(MoO_4)_3$
	$Yb_2Mo_2O_7$
Na-Nb-O	$NaNbO_3$
Na-Nd-S	$NaNdS_2$
Na-Nd-Se	$NaNdSe_2$
Na-Pr-S	$NaPrS_2$
Na-Pr-Se	$NaPrSe_2$
Na-S-Sm	$NaSmS_2$

Element System	Substance
Na-S-Tb	$NaTbS_2$
Na-S-V	Na_xVS_2
Na-S-Y	$NaYS_2$
Na-Sb-Se	$NaSbSe_2$
Na-Se-Sm	$NaSmSe_2$
Na-Se-Tb	$NaTbSe_2$
Na-Se-V	Na_xVSe_2
Na-Se-Y	$NaYSe_2$
Nb-Ni-S	Ni_xNbS_2
Nb-O-Sb	$SbNbO_4$
Nb-O-Sr-Ti	Sr_2TiNbO_6
Nb-O-Sr-Zr	Sr_2ZrNbO_6
Nd-Ni-O	Nd_2NiO_4
Nd-O-Pt	$Nd_2Pt_2O_7$
Nd-O-Ru	$Nd_2Ru_2O_7$
Nd-O-Te	$Nd_2Te_3O_9$
Nd-O-Ti	$NdTiO_3$
Nd-O-V	$NdVO_3$
Nd-O-W	$Nd_2(WO_4)_3$
Nd-Rb-S	$RbNdS_2$
Nd-S-Sr	$SrNd_2S_4$
Nd-S-Tl	$NdTlS_2$
Nd-Sb-Se	$NdSbSe_3$
Nd-Sb-Te	$NdSbTe_3$
Nd-Se-Sn	Nd_2SnSe_5
Nd-Se-Sr	$SrNd_2Se_4$
Nd-Se-Tl	$NdTlSe_2$
Nd-Te-Tl	$NdTlTe_2$
Ni-S-Zr	Ni_xZrS_2
O-Pb-Ti	$PbTiO_3$
O-Pb-W	$PbWO_4$
O-Pb-Zr	$PbZrO_3$
O-Pr-Ru	$Pr_2Ru_2O_7$
O-Pr-Te	$Pr_2Te_3O_9$
O-Pr-Ti	$PrTiO_3$
O-Pr-V	$PrVO_3$
O-Pr-W	$Pr_2(WO_4)_3$
O-Ru-Y	$Y_2Ru_2O_7$
O-Ru-Yb	$Yb_2Ru_2O_7$
O-Sm-Te	$Sm_2Te_3O_9$
O-Sm-Ti	$SmTiO_3$

Element System	Substance
O-Sm-V	$SmVO_3$
O-Sm-W	$Sm_2(WO_4)_3$
O-Sr-Ti	$SrTiO_3$
O-Tb-Te	$Tb_2Te_3O_9$
O-Tb-Ti	$TbTiO_3$
O-Tb-V	$TbVO_3$
O-Tb-W	$Tb_2(WO_4)_3$
O-Tb-W-V	$Tb_2W_{2/3}V_{4/3}O_7$
O-Te-Tm	$Tm_2Te_3O_9$
O-Te-Yb	$Yb_2Te_3O_9$
O-Ti-Tm	$TmTiO_3$
O-Ti-Yb	$YbTiO_3$
O-Tm-V	$TmVO_3$
	$Tm_2V_2O_7$
O-Tm-V-W	$Tm_2V_{4/3}W_{2/3}O_7$
O-Tm-W	$Tm_2(WO_4)_3$
O-V-W-Yb	$Yb_2V_{4/3}W_{2/3}O_7$
O-V-Yb	$Yb_2V_2O_7$
	$YbVO_3$
O-V-Zn	ZnV_2O_4
O-W-Y	$Yb_2(WO_4)_3$
P-Sb-Zn	$ZnSbP_2$
P-Si-Zn	$ZnSiP_2$
P-Sn-Zn	$ZnSnP_2$
Pb-S-Sb	$PbSb_2S_4$
Pb-Sb-Te-Tl	$(PbTe)_{1-x}(TlSbTe_2)_{x/2}$
Pr-Rb-S	$RbPrS_2$
Pr-S-Sr	$SrPr_2S_4$
Pr-S-Tl	$PrTlS_2$
Pr-Sb-Se	$PrSbSe_3$
Pr-Se-Sn	Pr_2SnSe_5
Pr-Se-Sr	$SrPr_2Se_4$
Pr-Se-Tl	$PrTlSe_2$
Rb-S-Sm	$RbSmS_2$
Rb-S-Tb	$RbTbS_2$
S-Sb-Tl	Tl_3SbS_3
	$TlSb_5S_8$
	$TlSbS_2$
S-Sc-Zn	$ZnSc_2S_4$
S-Sm-Sr	$SrSm_2S_4$
S-Sm-Tl	$SmTlS_2$

Element System	Substance
S-Sm-Zr	$ZrSm_2S_5$
S-Sr-Tb	$SrTb_2S_4$
S-Sr-Tm	$SrTm_2S_4$
S-Sr-Y	SrY_2S_4
S-Sr-Yb	$SrYb_2S_4$
S-Tb-Tl	$TbTlS_2$
S-Tl-Tm	$TmTlS_2$
S-Tl-V	Tl_3VS_4
S-Tl-Y	$YTlS_2$
S-Tl-Yb	$YbTlS_2$
S-Tm-Zn	$ZnTm_2S_4$
S-Yb	$YbYb_4S_7$
S-Yb-Zn	$ZnYb_2S_4$
	$ZnYb_4S_7$
Sb-Se-Sm	$SmSbSe_3$
Sb-Se-Tl	Tl_5SbSe_4
	Tl_9SbSe_6
	$TlSbSe_2$
Sb-Sm-Te	$SmSbTe_3$
Sb-Sn-Te-Tl	$(SnTe)_{1-x}(TlSbTe_2)_{x/2}$
Sb-Sn-Zn	$ZnSnSb_2$
Sb-Te-Tl	Tl_9SbTe_6
	$TlSbTe_2$
Sb-Te-Y	$YSbTe_3$
Se-Sm-Sn	Sm_2SnSe_5
Se-Sm-Sr	$SrSm_2Se_4$
Se-Sm-Tl	$SmTlSe_2$
Se-Sm-Zr	$ZrSm_2Se_5$
Se-Sr-Tb	$SrTb_2Se_4$
Se-Sr-Y	SrY_2Se_4
Se-Sr-Yb	$SrYb_2Se_4$
Se-Tb-Tl	$TbTlSe_2$
Se-Tb-Zr	$ZrTb_2Se_5$
Se-Tl-Tm	$TmTlSe_2$
Se-Tl-Y	$YTlSe_2$
Se-Tl-Yb	$YbTlSe_2$
Tb-Te-Tl	$TbTlTe_2$
Te-Tl-Tm	$TmTlTe_2$
Te-Tl-Y	$YTlTe_2$
Te-Tl-Yb	$YbTlTe_2$

Organic Semiconductor	Formula
Anthracene	$C_{14}H_{10}$
Anthracene:PMDA	$C_{14}H_{10}:C_{10}H_2O_6$
Benzene	C_6H_6
Biphenyl	$C_{12}H_{10}$
Dibenzothiophene	$C_{12}H_8S$
1,4-dibromonaphthalene	$C_{10}H_6Br_2$
9,10-dichloroanthracene	$C_{14}H_8Cl_{12}$ (alpha-form)
1,4-diiodobenzene	$C_6H_4I_2$
Durene	$C_{10}H_{14}$
Iodoform	CHI_3
9-methylanthracene	$C_{15}H_{12}$
Naphthalene	$C_{10}H_8$
Perylene	$C_{20}H_{12}$ (alpha-form)
Phenazine	$C_{12}H_8N_2$ (alpha-form)
Phenothiazine	$C_{12}H_9NS$
Phthalocyanine	$C_{32}H_{18}N_8$ (beta-form)
Pyrene	$C_{16}H_{10}$
trans-stilbene	$C_{14}H_{12}$
p-terphenyl	$C_{18}H_{14}$
Tetracene	$C_{18}H_{12}$
Tetracyanoethylene, TCNE	C_6N_4
7,7,8,8-tetracyanoquinodimethane, TCNQ	$C_{12}H_4N_4$
$(TMTSF)_2:PF_6$, (tetramethyltetraselenafulvalene)$_2$: hexafluorophosphate	$(C_{10}H_{12}Se_4)_2:PF_6$
$(TMTSF)_2$-radical-cation salts:anion	click here
$(Perylene)_2:(PF_6)_{1.1}\times 0.8(CH_2Cl_2)$	$C_{40}H_{24}:(PF_6)_{1.1}\times 0.8(CH_2Cl_2)$
$(TTT)_2:I_3$, (tetrathiatetracene)$_2:I_3$	$(C_{18}H_8S_4)_2:I_3$
TTF:$Br_{0.7}$, Tetrathialfulvalene:bromine	$C_6H_4S_4:Br_{0.7}$
K:TCNQ, potassium:tetracyanoquinodimethane	$K:C_{12}H_4N_4$
TTF:TCNQ, tetrathiafulvalene:tetracyanoquinodimethane	$C_6H_4S_4:C_{12}H_4N_4$
Charge transfer complexes with TTF and TCNQ	click here
TTF:chloranil, tetrathiafulvalene:tetrachloro-p-benzoquinone	$C_6H_4S_4:C_6Cl_4O_2$

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Ag-Al-Cu-S	
$Cu_{1-x}Ag_xAlS$	crystal structure and lattice parameters
$Cu_{1-x}Ag_xAlS_2$	lattice parameters
Ag-Al-Cu-Se	
$Cu_{1-x}Ag_xAlSe$	crystal structure and lattice parameters
$Cu_{1-x}Ag_xAlSe_2$	lattice parameters
Ag-Al-Cu-Te	
$Cu_{1-x}Ag_xAlTe$	crystal structure and lattice parameters
Ag-Al-Ge-Se	
$AgAlGeSe_4$	crystal structure, energy gaps
Ag-Al-S	
$AgAlS_2$	crystal structure, lattice parameters, density
$AgAlS_2$	tetragonal distortion, anion displacement, wavelength of optical anisotropy, energy gap
$AgAlS_2$	energy gap, electronic polarizabilities
$AgAlS_2$	microhardness and bulk modulus, plasmon energy
Ag-Al-S -Se	
$AgAlS_{2x}Se_{2(1-x)}$	lattice parameters
$AgAlS_{2x}Se_{2(1-x)}$	crystal structure and lattice parameters
Ag-Al-Se	
$AgAlSe_2$	crystal structure, lattice parameters, density
$AgAlSe_2$	tetragonal distortion, anion displacement, wavelength of optical anisotropy, energy gap
$AgAlSe_2$	energy gap, electronic polarizabilities
$AgAlSe_2$	microhardness and bulk modulus, plasmon energy
Ag-Al-Se-Sn	
$AgAlSnSe_4$	crystal structure, energy gaps
Ag-Al-Te	
$AgAlTe_2$	crystal structure, lattice parameters, density
$AgAlTe_2$	energy gaps
$AgAlTe_2$	tetragonal distortion, anion displacement, wavelength of optical anisotropy, energy gap
$AgAlTe_2$	energy gap, electronic polarizabilities
$AgAlTe_2$	microhardness and bulk modulus, plasmon energy
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Ag_3AsS_3	physical properties
Ag_3AsS_3	general characterization, crystal structure, lattice parameters
Ag_3AsS_4	crystal structure, density, lattice parameters
$AgAsS_2$	crystal structure, physical properties
Ag-As-Se	
$AgAsSe_2$	physical properties
Ag-As-Te	
$AgAsTe_2$	physical properties
Ag-Bi-S	
$AgBiS_2$	crystal structure, physical properties
$AgBiS_2$	crystal structure, lattice parameters, phase transitions
Ag-Bi-Se	
$AgBiSe_2$	crystal structure, physical properties
$AgBiSe_2$	crystal structure, lattice parameters, phase transitions
Ag-Bi-Te	
$AgBiTe_2$	crystal structure, physical properties
$AgBiTe_2$	crystal structure, lattice parameters, phase transitions
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Ag_2CdGeS_4	crystal structure, lattice parameters

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$(AgInTe_2)_{2(1-x)}(CdIn_2Te_4)_x$	phase diagram, energy gap
Ag-Cd-S -Sn	
Ag_2CdSnS_4	crystal structure, lattice parameters
Ag-Cd-Se-Sn	
$Ag_2CdSnSe_4$	crystal structure, lattice parameters
Ag-Cu-Ga-In-Te	
$Cu_{1-x}Ag_xIn_{1-y}Ga_yTe_2$	reference to investigation
Ag-Cu-Ga-S	
$Cu_{1-x}Ag_xGaS$	crystal structure and lattice parameters
Ag-Cu-Ga-Se	
$Cu_{1-x}Ag_xGaSe$	crystal structure and lattice parameters
Ag-Cu-Ga-Te	
$Cu_{1-x}Ag_xGaTe$	crystal structure and lattice parameters
Ag-Cu-In-S	
$Cu_{1-x}Ag_xInS$	crystal structure and lattice parameters
Ag-Cu-In-Se	
$Cu_{1-x}Ag_xInSe$	crystal structure and lattice parameters
Ag-Cu-In-Se-Te	
$Cu_{1-x}Ag_xIn(Se_{1-y}Te_y)_2$	phase transition temperatures, energy gaps, bowing parameters
Ag-Cu-In-Te	
$Cu_{1-x}Ag_xInTe$	crystal structure and lattice parameters
Ag-Fe-Se	
$AgFeSe_2$	physical properties
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$AgFeTe_2$	physical properties
Ag-Ga-Ge-Se	
$(AgGaSe_2)_{1-x}(GeSe_2)_x$	phase diagram, lattice parameters
$AgGaGeSe_4$	crystal structure, energy gaps
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$(AgGaS_2)_x(AgInS_2)_{1-x}$	energy gap
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$(AgGaSe_2)_x(AgInSe_2)_{1-x}$	nonlinear dielectric susceptibility
$AgGa_{1-x}In_xSe_2$	crystal structure and lattice parameters
Ag-Ga-S	
$Ag_2Ga_{20}S_{31}$	crystal structure, physical properties
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$AgGaS_2$	crystal structure, high-temperature and high-pressure phases
$AgGaS_2$	application analysis with respect to nonlinear optical devices
$AgGaS_2$	energy gap, electronic polarizabilities

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$AgGaS_{2x}Se_{2(1-x)}$	crystal structure and lattice parameters, phase diagram
Ag-Ga-Se	
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$AgGaSe_2$	crystal structure, lattice parameters, thermal expasion, melting point
$AgGaSe_2$	dielectric constants
$AgGaSe_2$	energy gaps
$AgGaSe_2$	impurities and defects
$AgGaSe_2$	intraband and interband energies
$AgGaSe_2$	optical properties, refractive indices
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$AgGaSe_2$	energy gap, electronic polarizabilities
$AgGaSe_2$	microhardness and bulk modulus, plasmon energy
$(Ag_2Se)_{1-x}(Ga_2Se_3)_x$	general characterization Pof pseudobinary systems of the type (I2-VI)(m)(III2-VI3)(n), phase diagrams
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$AgGaSnSe_4$	crystal structure, energy gaps
Ag-Ga-Se-Te	
$(AgGaSe_2)_x(AgGaTe_2)_{1-x}$	energy gap
Ag-Ga-Te	
$AgGaTe_2$	crystal structure, lattice parameters, physical properties
$AgGaTe_2$	crystal structure, lattice parameters, density
$AgGaTe_2$	energy gaps
$AgGaTe_2$	dielectric constant, wavelength of optical anisotropy, energy gap
$AgGaTe_2$	energy gap, electronic polarizabilities
$AgGaTe_2$	microhardness and bulk modulus, plasmon energy
$(Ag_2Te)_{1-x}(Ga_2Te_3)_x$	general characterization Pof pseudobinary systems of the type (I2-VI)(m)(III2-VI3)(n), phase diagrams
Ag-Ge-In-Se	
$AgInGeSe_4$	crystal structure, energy gaps
Ag-Ge-S	
Ag_2GeS_3	comparative table on structure, density and lattice parameters for I2-IV-VI3 compounds
Ag_8GeS_6	crystal structure, lattice parameters, temperature of phase transformation, phase diagram
Ag_8GeS_6	crystal structure, physical properties
Ag-Ge-Se	
Ag_2GeSe_3	physical properties
Ag_8GeSe_6	crystal structure, physical properties
Ag_8GeSe_6	crystal structure, lattice parameters, temperature of phase transformation, phase diagram
Ag-Ge-Se-Zn	
$Ag_2ZnGeSe_4$	crystal structure, lattice parameters
Ag-Ge-Te	
Ag_2GeTe_3	physical properties
Ag_8GeTe_6	crystal structure, physical properties
Ag_8GeTe_6	crystal structure, lattice parameters, temperature of phase transformation, phase diagram

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Ag-Hg-In-Se	
$(AgInSe_2)_{1-x}(2HgSe)_x$	phase diagram
Ag-In-Mn-Te	
$(AgInTe_2)_{1-x}(MnIn_2Te_4)_x$	phase diagram, energy gap
Ag-In-S	
$AgIn_5S_8$	crystal structure, physical properties
$AgInS_2$	crystal structure, lattice parameters, melting point, Debye temperature, thermal expansion
$AgInS_2$	electronic properties: chalcopyrite structure
$AgInS_2$	electronic properties: orthorhombic structure
$AgInS_2$	impurities and defects
$AgInS_2$	transport and optical properties
$AgInS_2$	crystal structure, lattice parameters, density
$AgInS_2$	energy gaps
$AgInS_2$	tetragonal distortion, anion displacement, wavelength of optical anisotropy, energy gap
$AgInS_2$	crystal structure, high-temperature and high-pressure phases
$AgInS_2$	energy gap, electronic polarizabilities
$AgInS_2$	microhardness and bulk modulus, plasmon energy
Ag-In-S -Se	
$AgInS_{2x}Se_{2(1-x)}$	lattice parameters
$AgInS_{2x}Se_{2(1-x)}$	crystal structure and lattice parameters
Ag-In-Se	
$Ag_3In_5Se_9$	crystal structure, physical properties
$AgInSe_2$	band and core state energies
$AgInSe_2$	crystal structure, lattice parameters, melting point, Debye temperature, thermal expansion
$AgInSe_2$	energy gaps, splitting energies
$AgInSe_2$	impurities and defects
$AgInSe_2$	interband transition energies
$AgInSe_2$	optical properties, refractive indices, dielectric constants
$AgInSe_2$	phonon wavenumbers
$AgInSe_2$	transport properties
$AgInSe_2$	crystal structure, lattice parameters, density
$AgInSe_2$	energy gaps
$AgInSe_2$	tetragonal distortion, anion displacement, dielectric constant, wavelength of optical anisotropy, energy gap
$AgInSe_2$	crystal structure, high-temperature and high-pressure phases, p-T diagram, resistivity
$AgInSe_2$	energy gap, electronic polarizabilities
$AgInSe_2$	microhardness and bulk modulus, plasmon energy
$(Ag_2Se)_{1-x}(In_2Se_3)_x$	general characterization Pof pseudobinary systems of the type (I2-VI)(m)(III2-VI3)(n), phase diagrams
Ag-In-Se-Sn	
$AgInSnSe_4$	crystal structure, energy gaps
Ag-In-Te	
$(AgInTe_2)_{3x}(In_2Te_3)_{2(1-x)}$	physical properties
$(AgInTe_2)_{3x}(In_2Te_3)_{2(1-x)}$	crystal structure, lattice parameters
$AgIn_3Te_5$	crystal structure, physical properties
$AgIn_9Te_{14}$	crystal structure, physical properties
$AgInTe_2$	crystal structure, lattice parameters, physical properties
$AgInTe_2$	crystal structure, lattice parameters, density
$AgInTe_2$	energy gaps
$AgInTe_2$	tetragonal distortion, anion displacement, dielectric constant, wavelength of optical anisotropy, energy gap, Grüneisen parameter
$AgInTe_2$	crystal structure, high-temperature and high-pressure phases, p-T diagram
$AgInTe_2$	energy gap, electronic polarizabilities
$AgInTe_2$	microhardness and bulk modulus, plasmon energy
$(Ag_2Te)_{1-x}(In_2Te_3)_x$	general characterization Pof pseudobinary systems of the type (I2-VI)(m)(III2-VI3)(n), phase diagrams

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Ag-P -S	
Ag_3PS_4	physical properties
Ag-S -Sb	
Ag_3SbS_3	physical properties
Ag_3SbS_3	general characterization, structure, lattice parameters
$AgSbS_2$	crystal structure, physical properties
$AgSbS_2$	crystal structure, lattice parameters, phase transitions
Ag-S -Si	
Ag_2SiS_3	comparative table on structure, density and lattice parameters for I2-IV-VI3 compounds
Ag_8SiS_6	crystal structure, melting point, density
Ag_8SiS_6	crystal structure, lattice parameters, temperature of phase transformation, phase diagram
Ag-S -Sn	
Ag_2SnS_3	crystal structure, lattice parameters, physical properties
Ag_2SnS_3	comparative table on structure, density and lattice parameters for I2-IV-VI3 compounds
Ag_8SnS_6	crystal structure, lattice parameters, temperature of phase transformation, phase diagram
Ag_8SnS_6	crystal structure, physical properties
Ag-Sb-Se	
$AgSbSe_2$	crystal structure, physical properties
$AgSbSe_2$	crystal structure, lattice parameters, phase transitions
Ag-Sb-Te	
$AgSbTe_2$	crystal structure, physical properties
$AgSbTe_2$	crystal structure, lattice parameters, phase transitions
Ag-Se-Si	
Ag_8SiSe_6	crystal structure, physical properties
Ag_8SiSe_6	crystal structure, lattice parameters, temperature of phase transformation, phase diagram
Ag-Se-Sn	
Ag_2SnSe_3	crystal structure, physical properties
Ag_2SnSe_3	comparative table on structure, density and lattice parameters for I2-IV-VI3 compounds
Ag_8SnSe_6	crystal structure, physical properties
Ag_8SnSe_6	crystal structure, lattice parameters, temperature of phase transformation, phase diagram
Ag-Se-Tl	
$AgTlSe_2$	crystal structure, lattice parameters, physical properties
$AgTlSe_2$	crystal structure, lattice parameters, density
Ag-Si-Te	
Ag_8SiTe_6	crystal structure, melting point, density
Ag_8SiTe_6	crystal structure, lattice parameters, temperature of phase transformation, phase diagram
Ag-Sn-Te	
Ag_2SnTe_3	crystal structure, physical properties
Ag_2SnTe_3	comparative table on structure, density and lattice parameters for I2-IV-VI3 compounds
Ag-Te-Tl	
$AgTlTe_2$	crystal structure, lattice parameters, density
Al-B -Dy	
$DyAlB_{14}$	crystal structure, physical properties
Al-B -Er	
$ErAlB_{14}$	crystal structure, physical properties
Al-B -Ho	
$HoAlB_{14}$	crystal structure, physical properties
Al-B -Lu	
$LuAlB_{14}$	crystal structure
Al-B -Tb	
$TbAlB_{14}$	crystal structure, physical properties

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Al-B -Yb	
$YbAlB_{14}$	crystal structure
Al-Cd-S	
$CdAl_2S_4$	crystal structure, lattice parameters, electronic properties
$CdAl_2S_4$	crystal structure, lattice parameters, density
$CdAl_2S_4$	band structure, reflectivity spectra
Al-Cd-Se	
$CdAl_2Se_4$	crystal structure, lattice parameters, density
Al-Cd-Te	
$CdAl_2Te_4$	crystal structure, lattice parameters, density
Al-Co-O	
$CoAl_2O_4$	crystal structure, lattice parameters, physical properties
Al-Cu-Fe-S	
$(CuAlS_2)_x(CuFeS_2)_{1-x}$	optical reflectivity, activation energy for conductivity, magnetic moment
Al-Cu-Ga-S	
$(CuAlS_2)_x(CuGaS_2)_{1-x}$	cationic arragngement, photoluminiscence spectra
Al-Cu-Ga-S -Se	
$CuAl_xGa_{1-x}(S_{1/2}Se_{1/2})_2$	transition energies
Al-Cu-Ga-Se	
$(CuAlSe_2)_x(CuGaSe_2)_{1-x}$	phase diagram, energy gap, reflectivity, splitting energies, phonon frequencies
$CuAlGeSe_4$	crystal structure, energy gaps
Al-Cu-In-S	
$(CuAlS_2)_x(CuInS_2)_{1-x}$	phase diagram, resisitivity
Al -Cu-In-Se	
$(CuAlSe_2)_x(CuInSe_2)_{1-x}$	phase diagram
Al-Cu-S	
$CuAlS_2$	crystal structure, lattice parameters, microhardness, melting point
$CuAlS_2$	impurities and defects
$CuAlS_2$	phonon wavenumbers
$CuAlS_2$	resistivity, Seebeck coefficient, dielectric constants
$CuAlS_2$	crystal structure, lattice parameters, density
$CuAlS_2$	energy gaps, crystal field splitting
$CuAlS_2$	tetragonal distortion, anion displacement, dielectric constant, wavelength of optical anisotropy, energy gap
$CuAlS_2$	crystal structure, high-temperature and high-pressure phases
$CuAlS_2$	energy gap, electronic polarizabilities
$CuAlS_2$	microhardness and bulk modulus, plasmon energy
$CuAlS_2$	band structure, energy gap, other band energies
Al-Cu-S -Se	
$(CuAlS_2)_x(CuAlSe_2)_{1-x}$	exciton energies
$CuAlS_{2x}Se_{2(1-x)}$	lattice parameters
$CuAlS_{2x}Se_{2(1-x)}$	crystal structure and lattice parameters
Al-Cu-Se	
$CuAlSe_2$	band structure, energy gap, other band energies
$CuAlSe_2$	crystal structure, lattice parameters, thermal expansion, melting point
$CuAlSe_2$	impurities and defects
$CuAlSe_2$	transport and optical properties
$CuAlSe_2$	crystal structure, lattice parameters, density
$CuAlSe_2$	energy gaps
$CuAlSe_2$	tetragonal distortion, anion displacement, wavelength of optical anisotropy, energy gap
$CuAlSe_2$	energy gap, electronic polarizabilities
$CuAlSe_2$	microhardness and bulk modulus, plasmon energy

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Al-Cu-Se-Sn	
$CuAlSnSe_4$	crystal structure, energy gaps
Al-Cu-Se-Zn	
$(CuAlSe_2)_{1-x}(2ZnSe)_x$	Raman spectra
Al-Cu-Te	
$CuAlTe_2$	physical properties
$CuAlTe_2$	crystal structure, lattice parameters, density
$CuAlTe_2$	energy gaps
$CuAlTe_2$	tetragonal distortion, anion displacement, wavelength of optical anisotropy, energy gap
$CuAlTe_2$	energy gap, electronic polarizabilities
$CuAlTe_2$	microhardness and bulk modulus, plasmon energy
Al-Ga-Mg-S	
$MgAl_xGa_{2-x}S_4$	photoconductivity, transmission
Al-Ga-S -Zn	
$(ZnAl_2S_4)_{1-x}(ZnGa_2S_4)_x$	Raman spectra
Al-Hg-S	
$HgAl_2S_4$	crystal structure, lattice parameters, physical properties
$HgAl_2S_4$	crystal structure, lattice parameters, density
Al-Hg-Se	
$HgAl_2Se_4$	crystal structure, lattice parameters, density
Al-Hg-Te	
$HgAl_2Te_4$	crystal structure, lattice parameters, density
Al-S	
Al_2S_3	crystal structure, lattice parameters, density
Al-S -Zn	
$ZnAl_2S_4$	crystal structure, lattice parameters, physical properties
$ZnAl_2S_4$	crystal structure, lattice parameters, density
$ZnAl_2S_4$	crystal structure, fusion temperature, energy gap
Al-Se	
Al_2Se_3	crystal structure, lattice parameters, density
Al-Se-Zn	
$ZnAl_2Se_4$	crystal structure, lattice parameters, density
Al-Te	
Al_2Te_3	crystal structure, lattice parameters, density
Al-Te-Tl	
$AlTlTe_2$	crystal structure, lattice parameters, physical properties
Al-Te-Zn	
$ZnAl_2Te_4$	crystal structure, lattice parameters, density
As-Br-Cd	
$Cd_4As_2Br_3$	energy gap, crystal structure
As-Br-S	
$AsSBr$	crystal structure, physical properties
As-Cd-Cl	
$Cd_4As_2Cl_3$	energy gap, crystal structure
As-Cd-Ga	
$CdGaAs_2$	application analysis with respect to nonlinear optical devices
As-Cd-Ga-Sb-Sn	
$(CdSnAs_2)_{1-x}(GaSb)_{2x}$	carrier concentration, Hall mobility
As-Cd-Ge	
$CdGeAs_2$	crystal structure, lattice parameters, thermal expansion, Debye temperature, melting point, heat capacity, hardnes, internal friction
$CdGeAs_2$	effective masses, g-factor

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$CdGeAs_2$	energy gaps, intra- and interband energies
$CdGeAs_2$	impurities and defects
$CdGeAs_2$	magnetic properties
$CdGeAs_2$	non-linear dielectric susceptibilities
$CdGeAs_2$	phonon wavenumbers, elastic moduli
$CdGeAs_2$	photoconductivity, photoluminescence
$CdGeAs_2$	refractive indices, dielectric constant
$CdGeAs_2$	transport properties
$CdGeAs_2$	tetragonal distortion, anion displacement
$CdGeAs_2$	band structure, energy gaps
$CdGeAs_2$	crystal structure, lattice parameters, density, phase transitions, melting temperature
$CdGeAs_2$	electrical conductivity, Hall coefficient, Debye temperature
$CdGeAs_2$	high-temperature phases
$CdGeAs_2$	structure of amorphous phases
$CdGeAs_2$	energy gap, electronic polarizabilities
$CdGeAs_2$	microhardness and bulk modulus, plasmon energy
As-Cd-Ge-P	
$(CdGeP_2)_{1-x}(CdGeAs_2)_x$	structural phases
As-Cd-Ge-P	
$CdGeP_{2x}As_{2x-2}$	structure of amorphous phases
As-Cd-Ge-Pb	
$CdGe_{1-x}Pb_xAs_2$	structure of amorphous phases
As-Cd-Ge-Pb	
$CdPb_{0.2}Ge_{0.8}As_2$	magnetic susceptibility
As-Cd-Ge-Si	
$(CdSiAs_2)_{1-x}(CdGeAs_2)_x$	structural phases, energy gap, resistivity, Hall mobility, carrier concentration
As-Cd-Ge-Si	
$CdSi_{0.2}Ge_{0.8}As_2$	magnetic susceptibility
$CdSi_xGe_{1-x}As_2$	structure of amorphous phases
As-Cd-Ge-Sn	
$CdGe_{1-x}Sn_xAs_2$	structure of amorphous phases
$CdGe_xSn_{1-x}As_2$	structure of amorphous phases
$CdSn_{0.2}Ge_{0.8}As_2$	magnetic susceptibility
As-Cd-Ge-Zn	
$(ZnGeAs_2)_{1-x}(CdGeAs_2)_x$	melting point, phase diagram
As-Cd-I	
$Cd_4As_2I_3$	energy gap, crystal structure
As-Cd-P -Sn	
$(CdSnAs_2)_{1-x}(CdSnP_2)_x$	energy gap, magnetic susceptibility, carrier concentration and mobility
$CdSnP_{2x}As_{2(1-x)}$	crystal structure and lattice parameters
As-Cd-Sb	
$CdSbAs_2$	energy gap, electronic polarizabilities
$CdSbAs_2$	microhardness and bulk modulus, plasmon energy
As-Cd-Si	
$CdSiAs_2$	crystal structure, lattice parameters, melting point
$CdSiAs_2$	energy gap, intra- and interband energies, effective masses
$CdSiAs_2$	impurities and defects
$CdSiAs_2$	photoluminescence, photoconductivity
$CdSiAs_2$	transport properties
$CdSiAs_2$	tetragonal distortion, anion displacement
$CdSiAs_2$	band structure, energy gaps
$CdSiAs_2$	crystal structure, lattice parameters, density, phase transitions, melting temperature

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$CdSiAs_2$	electrical conductivity, Hall coefficient, photosensitivity
$CdSiAs_2$	structure of amorphous phases
$CdSiAs_2$	energy gap, electronic polarizabilities
$CdSiAs_2$	microhardness and bulk modulus, plasmon energy
As-Cd-Si-Zn	
$(ZnSiAs_2)_{1-x}(CdSiAs_2)_x$	electroreflectance
$Zn_xCd_{1-x}SiAs_2$	crystal structure and lattice parameters
As-Cd-Sn	
$CdSnAs_2$	band structure, energy gaps
$CdSnAs_2$	crystal structure, lattice parameters, thermal expansion, Debye temperature, melting point, compressibility
$CdSnAs_2$	effective masses
$CdSnAs_2$	intra- and interband transition energies
$CdSnAs_2$	magnetic properties
$CdSnAs_2$	optical properties, dielectric constants, luminescence, photoconductivity
$CdSnAs_2$	transport properties
$CdSnAs_2$	tetragonal distortion, anion displacement
$CdSnAs_2$	band structure, energy gaps
$CdSnAs_2$	crystal structure, lattice parameters, density, phase transitions, carrier concentration, mobility, reflectivity, energy gap, effective mass, dielectric constant
$CdSnAs_2$	high-temperature phases
$CdSnAs_2$	structure of amorphous phases
As-Cd-Sn-Zn	
$Zn_xCd_{1-x}SnAs_2$	crystal structure and lattice parameters
As-Cu-In-Se	
$(CuInSe_2)_{1-x}(2InAs)_x$	reflectivity spectra
As-Cu-S	
Cu_3AsS_3	general characterization
As-Cu-S	
Cu_3AsS_4	crystal structure, lattice parameters, physical properties
Cu_3AsS_4	crystal structure, density, lattice parameters
As-Cu-Se	
Cu_3AsSe_4	crystal structure, lattice parameters, physical properties
Cu_3AsSe_4	crystal structure, density, lattice parameters
As-Cu-Te	
Cu_3AsTe_4	physical properties
As-Ga-Si-Zn	
$(ZnSiAs_2)_{1-x}(GaAs)_{2x}$	energy gap, mobilities, refractive index, linear thermal expansion coefficient, melting point, Vickers hardness, resisitivity
As-Ge-Zn	
$ZnGeAs_2$	band and core state energies, effective masses
$ZnGeAs_2$	crystal structure, lattice parameters, melting point
$ZnGeAs_2$	energy gaps, intraband and interband transition energies
$ZnGeAs_2$	impurities and defects, transport properties
$ZnGeAs_2$	optical properties
$ZnGeAs_2$	tetragonal distortion, anion displacement
$ZnGeAs_2$	band structure, energy gaps
$ZnGeAs_2$	crystal structure, lattice parameters, density, phase transitions, melting temperature, carrier concentration, mobility, reflectivity, energy gap, effective mass, dielectric constant
$ZnGeAs_2$	Debye temperature
$ZnGeAs_2$	high-temperature phases
$ZnGeAs_2$	energy gap, electronic polarizabilities
$ZnGeAs_2$	microhardness and bulk modulus, plasmon energy
As-In-Te	
$In_8As_5Te_3$	crystal structure, lattice parameters, phase diagram

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As-P -Si-Zn	
$ZnSiAs_{2x}P_{2(1-x)}$	crystal structure and lattice parameters
As-S -Tl	
Tl_3AsS_3	crystal structure, lattice parameters, phase diagram
$Tl_4As_2S_5$	crystal structure, lattice parameters, phase diagram
$Tl_6As_4S_9$	crystal structure, lattice parameters, phase diagram
$TlAsS_2$	crystal structure, physical properties
$TlAsS_2$	crystal structure, lattice parameters, phase diagram
As-Sb-Zn	
$ZnSbAs_2$	energy gap, electronic polarizabilities
$ZnSbAs_2$	microhardness and bulk modulus, plasmon energy
As-Se-Tl	
Tl_3AsSe_3	crystal structure, lattice parameters, phase diagram
$TlAsSe_2$	crystal structure, lattice parameters, phase diagram
As-Si-Zn	
$ZnSiAs_2$	band structure, energy gap
$ZnSiAs_2$	birefringence, luminescence, nonlinear optics
$ZnSiAs_2$	crystal structure, lattice parameters, thermal conductivity, Debye temperature, melting point
$ZnSiAs_2$	effective masses
$ZnSiAs_2$	impurities and defects
$ZnSiAs_2$	interband and intraband transitions
$ZnSiAs_2$	optical properties, refractive indices
$ZnSiAs_2$	phonon wavenumbers
$ZnSiAs_2$	transport properties
$ZnSiAs_2$	tetragonal distortion, anion displacement
$ZnSiAs_2$	band structure, energy gaps
$ZnSiAs_2$	crystal structure, lattice parameters, density, phase transitions, melting temperature
$ZnSiAs_2$	photosensitivity, birefrigerence, Debye temperature
$ZnSiAs_2$	energy gap, electronic polarizabilities
$ZnSiAs_2$	microhardness and bulk modulus, plasmon energy
As-Sn-Zn	
$ZnSnAs_2$	crystal structure, lattice parameters, Debye temperature, melting point, hardness
$ZnSnAs_2$	energy gap, intraband and interband transition energies, effective masses
$ZnSnAs_2$	impurities and defects
$ZnSnAs_2$	optical absorption, dielectric constant
$ZnSnAs_2$	transport properties
$ZnSnAs_2$	band structure, energy gaps
$ZnSnAs_2$	crystal structure, lattice parameters, density, phase transitions, carrier concentration, mobility, reflectivity, energy gap, effective mass, dielectric constant
$ZnSnAs_2$	Debye temperature
$ZnSnAs_2$	high-temperature phases
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$BaCe_2S_4$	crystal structure
Ba-Ce-Se	
$BaCe_2Se_4$	crystal structure
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$La_{0.85}Ba_{0.15}Fe_xCr_{1-x}O_3$	physical properties
Ba-Cr-La-Mn-O	
$La_{0.85}Ba_{0.15}Mn_{1-x}Cr_xO_3$	physical properties
Ba-Cr-S	
$BaCr_2S_4$	crystal structure, physical properties
Ba-Cr-Se	
$BaCr_2Se_4$	crystal structure, lattice parameters, physical properties

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$BaCu_4S_3$	physical properties
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$BaDy_2S_4$	crystal structure
Ba-Dy-Se	
$BaDy_2Se_4$	crystal structure
Ba-Er-S	
$BaEr_2S_4$	crystal structure
Ba-Er-Se	
$BaEr_2Se_4$	crystal structure
Ba-Fe-La-Mn-O	
$La_{0.85}Ba_{0.15}Fe_xMn_{1-x}O_3$	physical properties
Ba-Fe-O	
$BaFe_{12}O_{19}$	crystal structure, lattice parameters, physical properties
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$BaGd_2S_4$	crystal structure
Ba-Gd-Se	
$BaGd_2Se_4$	crystal structure
Ba-Ho-S	
$BaHo_2S_4$	crystal structure
Ba-La-S	
$BaLa_2S_4$	crystal structure
Ba-La-Se	
$BaLa_2Se_4$	crystal structure
Ba-Lu-S	
$BaLu_2S_4$	crystal structure
Ba-Lu-Se	
$BaLu_2Se_4$	crystal structure
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$BaNd_2S_4$	crystal structure
Ba-Nd-Se	
$BaNd_2Se_4$	crystal structure
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$Ba0._5OsO_3$	crystal structure, lattice parameters, physical properties
Ba-O -Ti	
$BaTiO_3$	melting point, density, heat capacity
$BaTiO_3$	optical properties, dielectric constant
$BaTiO_3$	transport properties
$BaTiO_3$	phonon dispersion, phonon wavenumbers
$BaTiO_3$	band gap, interband transition energies
$BaTiO_3$	crystal structure, lattice parameters
Ba-Pr-S	
$BaPr_2S_4$	crystal structure
Ba-Pr-Se	
$BaPr_2Se_4$	crystal structure
Ba-S -Sm	
$BaSm_2S_4$	crystal structure
Ba-S -Tb	
$BaTb_2S_4$	crystal structure
Ba-S -Tm	
$BaTm_2S_4$	crystal structure

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Ba-S -Y	
BaY_2S_4	crystal structure
Ba-S -Yb	
$BaYb_2S_4$	crystal structure
Ba-Se-Sm	
$BaSm_2Se_4$	crystal structure
Ba-Se-Y	
BaY_2Se_4	crystal structure
Ba-Se-Yb	
$BaYb_2Se_4$	crystal structure
Bi-Br-O	
BiOBr	crystal structure, physical properties
BiOBr	crystal structure, lattice parameters
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BiSBr	crystal structure, physical properties
BiSBr	crystal structure, lattice parameters, density, phase transition
Bi-Br-Se	
BiSeBr	crystal structure, physical properties
BiSeBr	crystal structure, lattice parameters, density
Bi-Br-Te	
BiTeBr	crystal structure, physical properties
BiTeBr	crystal structure, lattice parameters, density
Bi-Ce-Bi	
$CeBiSe_3$	crystal structure
Bi-Ce-Te	
$CeBiTe_3$	crystal structure, physical properties
Bi-Ce-S	
$CeBiS_3$	crystal structure, physical properties
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BiOCl	crystal structure, physical properties
BiOCl	crystal structure, lattice parameters
Bi-Cl-S	
BiSCl	crystal structure, physical properties
BiSCl	crystal structure, lattice parameters, density
Bi-Cl-Se	
BiSeCl	crystal structure, lattice parameters, density
Bi-Cu-Se	
$CuBiSe_2$	crystal structure, physical properties
Bi-Cu-Te	
$CuBiTe_2$	crystal structure, physical properties
Bi-Dy-Te	
$DyBiTe_3$	crystal structure
Bi-Er-Te	
$ErBiTe_3$	crystal structure
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$EuBi_2S_4$	crystal structure
Bi-Eu-Se	
$EuBi_2Se_4$	crystal structure, physical properties
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Bi-Gd-S	
$GdBiS_3$	crystal structure
Bi-Gd-Se	
$GdBiSe_3$	crystal structure
Bi-Gd-Te	
$GdBiTe_3$	crystal structure
Bi-Ge-O	
$Bi_{12}GeO_{20}$	general characterization, structure
Bi-Ge-O	
$Bi_{12}GeO_{20}$	physical properties
Bi-Ge-Te	
$GeBi_2Te_4$	crystal structure, physical properties
$GeBi_4Te_7$	crystal structure, physical properties
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$HoBiTe_3$	crystal structure
Bi-I -O	
BiOI	crystal structure, physical properties
BiOI	crystal structure, lattice parameters
Bi-I -S	
BiSI	crystal structure, physical properties
BiSI	crystal structure, lattice parameters, density, phase transition
Bi-I -Se	
BiSeI	crystal structure, physical properties
BiSeI	crystal structure, lattice parameters, density, phase transition
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$FeCr_2Se_4$	crystal structure, lattice parameters, density
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$FeCr_2Te_4$	crystal structure, physical properties
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$(MnGa_2S_4)_{1-x}(MnCr_2S_4)_x$	reference to investigation
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$GdCrO_3$	crystal structure, physical properties
Cr-Gd-S	
$GdCrS_3$	crystal structure, physical properties
Cr-Gd-Se	
$GdCrSe_3$	crystal structure, physical properties
Gd_2CrSe_4	physical properties
Cr-Gd-Te	
$GdCrTe_3$	physical properties
Cr-Hg-S	
$HgCr_2S_4$	crystal structure, physical properties
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$HgCr_2Se_4$	crystal structure, lattice parameters
$HgCr_2Se_4$	Curie and Debye temperatures
$HgCr_2Se_4$	energy gap
$HgCr_2Se_4$	optical properties
$HgCr_2Se_4$	transport properties
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$HoCrO_3$	crystal structure, physical properties
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Cr-Mn-S	
$MnCr_2S_4$	crystal structure, physical properties
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$NdCrO_3$	crystal structure, physical properties
Cr-Nd-S	
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$PrCrO_3$	crystal structure
Cr-O -Sm	
$SmCrO_3$	crystal structure, physical properties
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$TbCrO_3$	crystal structure
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$TmCrO_3$	crystal structure
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Pr_2CrSe_4	crystal structure, physical properties
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Cr-S -Tb	
$TbCrS_3$	crystal structure, physical properties
Cr-S -Tm	
$TmCrS_3$	crystal structure, physical properties
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$YbCr_2S_4$	crystal structure, physical properties
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$CuGaS_2$	crystal structure, heat capacity, lattice parameters, thermal expansion and conductivity, Debye temperature, melting point
$CuGaS_2$	dielectric constants
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$CuGaS_2$	optical properties
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$CuGaS_2$	energy gaps, crystal field splitting, density of states
$CuGaS_2$	tetragonal distortion, anion displacement, dielectric constant, wavelength of optical anisotropy, energy gap, Grüneisen parameter
$CuGaS_2$	crystal structure, high-temperature and high-pressure phases
$CuGaS_2$	energy gap, electronic polarizabilities
$CuGaS_2$	microhardness and bulk modulus, plasmon energy
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$CuGaS_{2x}Se_{2(1-x)}$	lattice parameters
$CuGaS_{2x}Se_{2(1-x)}$	crystal structure and lattice parameters
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$CuGaSe_2$	band structure, energy gaps, other band energies
$CuGaSe_2$	crystal structure, thermal expansion, Debye temperature, melting point and related parameters
$CuGaSe_2$	impurities and defects
$CuGaSe_2$	optical properties, refractive index
$CuGaSe_2$	phonon wavenumbers
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$CuGaSe_2$	crystal structure, lattice parameters, density
$CuGaSe_2$	energy gaps
$CuGaSe_2$	tetragonal distortion, anion displacement, wavelength of optical anisotropy, energy gap
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$CuGaSe_2$	microhardness and bulk modulus, plasmon energy
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Cu-Ga-Se-Zn	
$(CuGaSe_2)_{1-x}(2ZnSe)_x$	Raman spectra
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$CuGaTe_2$	energy gap, electronic polarizabilities
$CuGaTe_2$	microhardness and bulk modulus, plasmon energy
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Cu-Ge-Mn-Se	
$Cu_2\,MnGeSe_4$	crystal structure, lattice parameters
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$Cu_2\,NiGeS_4$	crystal structure, lattice parameters
Cu-Ge-Ni-Se	
$Cu_2\,NiGeSe_4$	crystal structure, lattice parameters
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$Cu_2\,GeS_3$	comparative table on structure, density and lattice parameters for I2-IV-VI3 compounds
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$Cu_8\,GeS_6$	crystal structure, lattice parameters, temperature of phase transformation, phase diagram
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$Cu_2 ZnGeSe_4$	crystal structure, lattice parameters
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$CuInSe_2$	crystal structure, lattice parameters, density
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$CuInSe_2$	dielectric constant, wavelength of optical anisotropy, energy gap
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$CuInTe_2$	microhardness and bulk modulus, plasmon energy
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$InSb_3 S_6$	crystal structure, lattice parameters, phase diagram
In-S -Se	
$(In_2 S_3)_x (In_2 Se_3)_{1-x}$	physical properties
$(In_2 S_3)_x Se_{1-x}$	phase diagram
In-S -Se-Zn	
$(ZnIn_2 S_4)_{1-x} (ZnIn_2 Se_4)_x$	Raman spectra, thermoreflectance, phase transition
In-S -Sm	
$SmIn_3 S_6$	crystal structure, physical properties
$SmInS_3$	crystal structure, physical properties
In-S -Tb	
$TbIn_3 S_6$	crystal structure, physical properties
In-S -Y	
$YIn_3 S_6$	crystal structure, physical properties
In-S -Yb	
$YbIn_2 S_4$	crystal structure, physical properties
In-S -Zn	
$Zn_2 In_2 S_5$	crystal structure, lattice parameters, physical properties
$Zn_2 In_2 S_5$	crystal structure, space group, lattice parameters
$Zn_3 In_2 S_6$	crystal structure, lattice parameters, physical properties
$Zn_3 In_2 S_6$	crystal structure, space group, lattice parameters
$ZnIn_2 S_4$	crystal structure, lattice parameters
$ZnIn_2 S_4$	electronic properties, impurities and defects
$ZnIn_2 S_4$	magnetic properties
$ZnIn_2 S_4$	phonon frequencies
$ZnIn_2 S_4$	transport and optical properties
$ZnIn_2 S_4$	crystal structure, lattice parameters, density
$ZnIn_2 S_4$	crystal structure, fusion temperature, energy gap, resistivity, photosensitivity
$ZnIn_2 S_4$	crystal structure, fusion temperature, energy gap

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a-InSb	general and structural characterization
a-InSb	optical properties
a-InSb	table to optical properties: survey of optical data
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a-InSb	transport properties
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$InSbSe_3$	crystal structure, lattice parameters, phase diagram
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$(In_2Se_3)_x(Sb_2Te_3)_{1-x}$	crystal structure, lattice parameters, physical properties
In-Sb-Te	
In_6Sb_5Te	crystal structure, physical properties
In_6Sb_5Te	crystal structure, lattice parameters, phase diagram
$In_7Sb_3Te_{15}$	crystal structure, lattice parameters, phase diagram
In_7SbTe_6	crystal structure, physical properties
In_7SbTe_6	crystal structure, lattice parameters, phase diagram
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In_2Se_3	crystal structure, phases
In_2Se_3	impurities and defects, transport properties
In_2Se_3	phonon frequencies, dielectric constant, optical properties
In_2Se_3	thermal expansion, heat capacity, melting point, magnetic susceptibility
In_2Se_3	crystal structure, lattice parameters, density
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$YbIn_2Se_4$	crystal structure, physical properties
In-Se-Zn	
$ZnIn_2Se_4$	crystal structure, lattice parameters, physical properties
$ZnIn_2Se_4$	crystal structure, lattice parameters, density
$ZnIn_2Se_4$	crystal structure, fusion temperature, energy gap
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In_2Te_3	crystal structure, lattice parameters, thermal expansion, melting point, susceptibility
In_2Te_3	doping, impurities and defects
In_2Te_3	energy gaps, effective masses
In_2Te_3	sound velocity, refractive index, dielectric constant
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In_2Te_3	crystal structure, lattice parameters, density
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$ZnIn_2Te_4$	crystal structure, lattice parameters, density
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$KTaO_3$	melting point, density
$KTaO_3$	optical properties, dielectric constants
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$KTaO_3$	band structure, energy gap, interband transition energies
$KTaO_3$	crystal structure, lattice parameters, thermal expansion
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K -S -Sm	
$KSmS_2$	crystal structure
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$SrLa_2Se_4$	crystal structure
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$LaTlSe_2$	physical properties
La-Se-Zr	
$ZrLa_2Se_5$	crystal structure
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$MgSiP_2$	resistivities, donor levels
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$Tm_2(MoO_4)_3$	physical properties
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$NdSbTe_3$	crystal structure
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O -Pr-Te	
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$YbTiO_3$	crystal structure, physical properties
O -Tm-V	
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O -Tm-V	
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O -Tm-V -W	
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Amorphous Semiconductors

Amorphous germanium (a-Ge)

Amorphous silicon (a-Si)

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Amorphous gallium arsenide (a-GaAs)

Amorphous gallium phosphide (a-GaP)

Amorphous gallium antimonide (a-GaSb)

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Amorphous indium phosphide (a-InP)

Amorphous indium antimonide (a-InSb)

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Organic Semiconductors: List of Substances

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energy levels and lifetimes of excitons
absorption coefficient, reflectivity
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anthracene: PMDA, $C_{14}H_{10}$:$C_{10}H_2O_6$
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benzene, C_6H_6
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elastic moduli, melting point, vapor pressure
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9,10-dichloroanthracene, $C_{14}H_8Cl_{12}$ (alpha-form)
crystal structure, lattice parameters, melting point, density
exciton parameters, radical ion states
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1,4-diiodobenzene, $C_6H_4I_2$
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exciton parameters, radical ion states, polarization energies
wavenumbers of vibrons
phonon parameters, sound velocities
charge carrier mobilities
charge carrier generation and recombination, injection, carrier trapping
dielectric and optical tensor

perylene, $C_{20}H_{12}$ (alpha-form)
crystal structure, lattice parameters, density, melting point
enthalpies of fusion and sublimation, vapor pressure
exciton parameters, radical ion states, polarization energies
vibrons
charge carrier mobilities
photoelectrical and optical properties

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exciton parameters, radical ion states, electron mobilities
vibrons, Raman spectra, optical tensor

phenothiazine, $C_{12}H_9NS$
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exciton parameters, radical ion states
vibrons, phonons, polarization energies
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tetracyanoethylene, TCNE, C_6N_4
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7,7,8,8-tetracyanoquinodimethane, TCNQ, $C_{12}H_4N_4$
crystal structure, lattice parameters, melting point, density
radical ion states, charge carrier mobilities

$(TMTSF)_2:PF_6$, (tetramethyltetraselenafulvalene)$_2$:hexafluorophosphate, $(C_{10}H_{12}Se_4)_2:PF_6$
crystal structure, lattice parameters
electrical conductivity, charge carrier mobilities, Hall effect

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$(TMTSF)_2$-radical-cation salts:anion
properties of $(TMTSF)_2$ with other anions

$(perylene)_2:(PF_6)_{1.1}\times0.8(CH_2Cl_2)$, $C_{40}H_{24}:(PF_6)_{1.1}\times0.8(CH_2Cl_2)$
crystal structure, lattice parameters, physical properties

$(TTT)_2:I_3$, $(tetrathiatetracene)_2:I_3$, $(C_{18}H_8S_4)_2:I_3$
crystal structure, lattice parameters, physical properties

TTF:$Br_{0.7}$, Tetrathialfulvalene:bromine, $C_6H_4S_4:Br_{0.7}$
crystal structure, lattice parameters, physical properties

K:TCNQ, potassium:tetracyanoquinodimethane, $K:C_{12}H_4N_4$
crystal structure, lattice parameters, physical properties

TTF:TCNQ, tetrathiafulvalene:tetracyanoquinodimethane, $C_6H_4S_4:C_{12}H_4N_4$
crystal structure, lattice parameters, physical properties

charge transfer complexes with TTF and TCNQ
general properties

TTF:chloranil, tetrathiafulvalene:tetrachloro-*p*-benzoquinone, $C_6H_4S_4:C_6Cl_4O_2$
crystal structure, lattice parameters, physical properties

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