Landolt-Börnstein Substance/Property Index

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

Subvolume III/41D: Non-tetrahedrally Bonded Elements and Binary Compounds II

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	beta-tetragonal boron structure group (tetragonal II or III)
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	orthorhombic SiB_6 structure
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List of ternary actinide compounds

A = Actinoide element, T = one of the 3d, 4d or 5d transition elements

AT_3B_2	AT_2B_2	AT_4B_4
ATB_2	ATB_4	A_2TB_6

List of rare earth (RE) compounds

$RE_5B_2C_5$	structural chemistry, magnetic behavior
REB_2C_2	electrical properties, physical properties, magnetic properties, crystal structure
$RE_{5-x}Co_{2+x}B_6$	preparation, crystal structure, space group, lattice parameters, interatomic distances, density
$RE_{5-x}Fe_{2+x}B_6$	preparation, crystal structure, space group, lattice parameters
$REOs_{4-x}Ir_xB_4$	preparation, crystal structure
RE_2OsB_5	structural chemistry, magnetic behavior
$RERh_4B_4$	magnetic transition temperature, crystal structure, magnetic relaxation, superconductivity
$RERh_4B_4$	preparation, crystal structure
RE_2RuB_6	structural chemistry, magnetic behavior
$RERu_4B_4$	preparation, crystal structure
$RERh_{4-x}Ir_xB_4$	phase diagram, antiferromagnetism

El. System	Substance
Al-B	$Al_x B_{105}$
	$Al_3 B_{32}$
	AlB_{10}
	AlB_{12}
	AlB_2
	AlB_{31}
	AlB_4
	$B_{32} Al_3$
Al-B-Be	$Al_x Be_y B_{22}$
	$Al_x Be_y B_{12}$
	$AlBeB_{22}$
	$B_{24} BeAl$
Al-B-C	$Al_3 BC$
	$Al_3 BC_3$
	$Al_x C_8 B_{51}$
	$Al_2 C_9 B_{51}$
	$Al_3 C_2 B_{48}$
	$Al_4 B_x C_{3-x}$
	$Al_8 B_4 C_7$
	$AlB_{24} C_4$
	$AlC_2 B_{12}$
	$AlC_4 B_{24}$
	$AlC_4 B_{40}$
	$B_{12} AlC_2$
	$B_{12} AlC_4$
	$B_{24} AlC_4$
	$B_{40} AlC_4$
	$B_4 AlC_{0.25}$
	$B_4 AlC_x$
	$B_{51} Al_2 C_8$
	$B_{51} AlC_8$
	$C_4 AlB_{26}$
Al-B-Cr-Mo	$Mo_x Cr_{1-x} AlB$
Al-B-Cu	$Al_x Cu_y B_{25}$
Al-B-Dy	$DyAlB_{14}$
Al-B-Er	$ErAlB_{14}$
	$ErAlB_4$
Al-B-Ho	$HoAlB_{14}$
Al-B-Li	$LiAlB_{14}$

El. System	Substance
Al-B-Lu	$Lu_2 AlB_6$
	$LuAlB_{14}$
	$LuAlB_4$
	$LuAlB_6$
Al-B-Mg	$Al_x Mg_y B_{22}$
	$MgAlB_{14}$
Al-B-Sc	$Sc_x Al_y B_z$
Al-B-Si	$Al_3 SiB_{48}$
Al-B-Tb	$TbAlB_{14}$
Al-B-Tm	$TmAlB_{14}$
	$TmAlB_4$
Al-B-Y	$YAlB_{14}$
Al-B-Yb	$Yb_2 AlB_6$
	$YbAlB_{14}$
	$YbAlB_4$
Al-Co-Sb	$Co_{1-x} Al_x Sb_3$
Al-O-V	$Al_x V_{1-x} O_2$
Am-B	AmB_4
	AmB_6
As-B	$B_{12} As_2$
	$B_{13} As_2$
	$B_6 As$
As-Co	$CoAs_2$
	$CoAs_3$
As-Co-Fe	$Co_{1-x} Fe_x As_3$
	$Fe_{1-x} Co_x As_2$
As-Co-Fe-Ni	$Co_{1-x-y} Fe_x Ni_y As_3$
	$CoFe_{x/2} Ni_{x/2} As_3$
As-Co-Fe-S	$Fe_x Co_{1-x} As_{3-x} S_x$
As-Co-Fe-Se	$Fe_x Co_{1-x} As_{3-x} Se_x$
As-Co-Ni	$Co_{1-x} Ni_x As_2$
	$Co_{1-x} Ni_x As_3$
As-Co-P	$CoP_{3-x} As_x$
As-Co-S	$CoAsS$
As-Co-Sb	$CoAs_{3-x} Sb_x$
As-Co-Se	$CoAsSe$
As-Cr-Fe	$Fe_{1-x} Cr_x As_2$
As-Fe	$FeAs_2$
As-Fe-Ni	$Fe_{1/2} Ni_{1/2} As_2$

El. System	Substance
	$Ni_{1-x} Fe_x As_3$
As-Fe-S	$FeAsS$
As-Fe-Se	$FeAsSe$
As-Fe-Te	$FeAsTe$
As-Ir	$IrAs_2$
As-Ir	$IrAs_3$
As-Ir-O	$Ir_{1-x} Os_x As_3$
As-Ir-Pt	$Ir_{1-x} Pt_x As_3$
As-Ir-S	$IrAsS$
As-Ir-Sb	$IrAsSb$
As-Ir-Se	$IrAsSe$
As-Ir-Te	$IrAsTe$
As-Ni	$NiAs_2$
As-Ni-Pd	$Ni_{1/2} Pd_{1/2} As_2$
	$Ni_{1-x} Pd_x As_2$
As-Ni-Pt	$Ni_x Pt_{1-x} As_2$
As-Ni-S	$NiAs_{2-x} S_x$
As-Ni-Se	$NiAs_{2-x} Se_x$
As-O-Se	$OAsSe$
As-Os	$OsAs_2$
As-Os-Ru-S	$Ru_{1/2} Os_{1/2} AsS$
As-Os-S	$OsAsS$
As-Os-Se	$OsAsSe$
As-Os-Te	$OsAsTe$
As-P-Pd	$PdPAs$
As-P-Pt	$PtPAs$
As-P-Ru	$RuPAs$
As-Pd	$PdAs_2$
As-Pd-Rh	$Rh_{1-x} Pd_x As_3$
As-Pt	$PtAs_2$
As-Rh	$RhAs_2$
	$RhAs_3$
As-Rh-Ru	$Rh_{1-x} Ru_x As_3$
As-Rh-S	$RhAsS$
As-Rh-Sb	$RhAsSb$
As-Rh-Se	$RhAsSe$
As-Rh-Te	$RhAsTe$
As-Ru	$RuAs_2$
As-Ru-S	$RuAsS$

El. System	Substance
As-Ru-Sb	$RuAsSb$
As-Ru-Se	$RuAsSe$
As-Ru-Te	$RuAsTe$
B	B
B-Ba	BaB_6
B-Ba-Na	$Na_x Ba_{1-x} B_6$
B-Ba-Sm	$Sm_{1-x} Ba_x B_6$
B-Be	$B_{12} Be$
	$B_{12} Be_2$
	$Be_2 B$
	$Be_4 B_5$
	$Be_5 B$
	BeB_2
	BeB_3
	BeB_4
	BeB_6
	BeB_9
B-Be-C	$BeB_2 C_2$
B-Be-N	$Be_{1/2} B_5 N$
B-Br	$B_9 Br_9$
	BBr_3
B-C	$B_x C_{1-x}$
	$B_x C_y$
	$B_{25} C$
	$B_2 C$
	$B_{50} C_2$
	$B_{51} C$
	$B_8 C$
	BC_3
B-C-Ce	$Ce_{10} B_9 C_{12}$
	$Ce_5 B_2 C_6$
	$Ce_5 B_4 C_5$
B-C-Eu	$EuB_{6-x} C_x$
B-C-Gd	$Gd_{15} B_4 C_{12}$
B-C-Gd	$Gd_5 B_2 C_5$
B-C-Hf-Mo	$Mo_{2-x} Hf_x BC$
B-C-La	$La_{10} B_9 C_6$
	$La_{15} B_{14} C_{19}$
	$La_5 B_2 C_6$

El. System	Substance
	$LaB_2 C_2$
B-C-Li	$LiBC$
B-C-Lu-Ni	$LuNi_2 B_2 C$
B-C-Mo	$Mo_2 BC$
B-C-Mo-Nb	$Mo_{2-x} Nb_x BC$
B-C-Mo-Rh	$Mo_{2-x} Rh_x BC$
B-C-Mo-Ta	$Mo_{2-x} Ta_x BC$
B-C-Mo-W	$Mo_{2-x} W_x BC$
B-C-Mo-Zr	$Mo_{2-x} Zr_x BC$
B-C-N	$B_x C_y N$
	$BC_3 N$
	$BC_2 N$
	BCN
	$B_2 C_4 N_2$
	$B_7 C_5 N$
B-C-Na	$NaB_5 C$
B-C-Nb	$Nb_4 B_3 C_2$
B-C-Sc	$Sc_x B_y C_z$
	$Sc_2 BC_2$
B-C-Th	$ThB_2 C$
B-C-U	$UB_x C_y$
B-Ca	CaB_6
B-Ca-Sm	$Sm_{1-x} Ca_x B_6$
B-Cd	CdB_4
B-Ce	CeB_4
	CeB_6
B-Ce-Co	$CeCo_3 B_2$
	$Co_4 CeB$
B-Ce-Co-Fe	$CeCo_2 Fe_2 B$
	$CeCoFe_3 B$
B-Ce-Cr	$CeCr_2 B_6$
B-Ce-Ir	$CeIr_3 B_2$
B-Ce-La	$La_{1-x} Ce_x B_6$
B-Ce-Ni	$Ni_4 CeB$
B-Ce-Os	$CeOs_3 B_2$
B-Ce-Rh	$CeRh_3 B_2$
B-Ce-Ru	$CeRu_3 B_2$
B-Cl	$B_4 Cl_4$
	$B_9 Cl_9$

El. System	Substance
	BCl_3
B-Cl-H	$BH_m Cl_n$
B-Co	$Co_{77} B_{23}$
	$Co_{100-x} B_x$
	$Co_2 B$
	CoB
	CoB_{12}
B-Co-Er	$Co_4 ErB$
B-Co-Fe	$Co_{3-x} Fe_x B$
	$Fe_{75} Co_5 B_{20}$
	$Fe_{80} Co_5 B_{15}$
B-Co-Gd	$Gd_3 Co_{11} B_4$
	$GdCo_{12} B_6$
B-Co-Ho	$Co_4 HoB$
B-Co-La	$Co_{14} La_2 B$
	$Co_4 LaB$
B-Co-Nb	$Nb_3 Co_4 B_7$
B-Co-Pr	$Co_{14} Pr_2 B$
	$Co_4 PrB$
B-Co-U	$UCo_3 B_2$
B-Co-Y	$Co_4 YB$
B-Cr	$Cr_2 B$
	$Cr_2 B_3$
	$Cr_3 B_2$
	$Cr_3 B_4$
	$Cr_5 B_3$
	CrB
	CrB_2
	CrB_4
	CrB_6
B-Cr-Fe	$Fe_{75} Cr_5 B_{20}$
	$Fe_{80} Cr_5 B_{15}$
B-Cr-Mo	$Cr_{1-x} Mo_x B_4$
	$Cr_{3-x} Mo_x B_4$
	$Mo_2 CrB_2$
B-Cr-Ni	$Cr_2 NiB_2$
B-Cr-Ta	$Cr_{3-x} Ta_x B_4$
B-Cr-Th	$ThCr_2 B_6$
	$ThCrB_4$

El. System	Substance
B-Cr-W	$Cr_{1-x} W_x B_4$
	$Cr_{3-x} W_x B_4$
	$Cr_2 WB_2$
B-Cr-Y	$YCrB_4$
B-Cu	$Cu_x B_{105}$
B-Dy	DyB_{12}
	DyB_2
	DyB_4
	DyB_{50}
	DyB_6
	DyB_{66}
B-Dy-Fe	$Dy_3 FeB_7$
B-Dy-Rh	$DyRh_4 B_4$
B-Dy-Ru	$DyRuB_4$
B-Dy-Sm	$Sm_{1-x} Dy_x B_6$
B-Er	ErB_{12}
	ErB_4
	ErB_{50}
	ErB_{66}
B-Er-Fe	$Er_3 FeB_7$
B-Er-Ir	$ErIr_4 B_4$
B-Er-Re	$Er_3 ReB_7$
B-Er-Rh	$ErRh_3 B$
	$ErRh_3 B_2$
	$ErRh_4 B_4$
B-Er-Ru	$ErRuB_4$
B-Eu	EuB_4
	EuB_6
B-Eu-La	$La_x Eu_{1-x} B_6$
B-Eu-Sm	$Sm_{1-x} Eu_x B_6$
B-F	BF_3
B-Fe	$Fe_x B_{100-x}$
	FeB
	$Fe_2 B$
	$Fe_{80} B_{20}$
	FeB_2
B-Fe-Ho	$Ho_3 FeB_7$
B-Fe-Mn	$Fe_{75} Mn_5 B_{20}$
	$Fe_{80} Mn_5 B_{15}$

El. System	Substance
B-Fe-Mo	Mo_2FeB_2
B-Fe-Nd	$Fe_{14}Nd_2B$
B-Fe-Ni	$Fe_{75}Ni_5B_{20}$
	$Fe_{80}Ni_5B_{15}$
B-Fe-Si	$Fe_{78}B_{13}Si_9$
B-Fe-Tb	Tb_3FeB_7
B-Fe-Ti	$Fe_{75}Ti_5B_{20}$
	$Fe_{80}Ti_5B_{15}$
B-Fe-V	$Fe_{75}V_5B_{20}$
	$Fe_{80}V_5B_{15}$
B-Fe-Y	$Fe_{14}Y_2B$
	Y_3FeB_7
B-Gd	GdB_{66-x}
	GdB_x
	GdB_{12}
	GdB_4
	GdB_5
	GdB_6
	GdB_{66}
B-Gd-Mn	Gd_3MnB_7
B-Gd-Re	Gd_3ReB_7
B-Gd-Rh	$GdRh_3B$
B-Gd-Ru	$GdRuB_4$
B-Gd-Sm	$Sm_{1-x}Gd_xB_6$
B-Ge	$B_{90}Ge$
	GeB_{90}
B-H	a-(BH)
	$B_{12}H_{12}$
B-Hf	HfB
	HfB_2
B-Ho	HoB_{12}
	HoB_4
	HoB_{50}
	HoB_{66}
B-Ho-Ir	$HoIr_4B_4$
B-Ho-Re	Ho_3ReB_7
B-Ho-Ru	$HoRu_4B_4$
	$HoRuB_4$
B-I	BI_3

El. System	Substance
B-Ir	IrB_y
B-Ir-La	$LaIr_3B_2$
B-Ir-Th	$ThIr_3B_2$
B-Ir-Tm	$TmIr_4B_4$
B-Ir-U	UIr_3B_2
B-K	KB_6
B-La	LaB_4
	LaB_6
B-La-Nd	$La_{1-x}Nd_xB_6$
B-La-Ni	Ni_4LaB
B-La-Pr	$La_{1-x}Pr_xB_6$
B-La-Rh	$LaRh_3B_2$
B-La-Ru	$LaRu_{2.7}B_2$
B-La-Sm	$Sm_{1-x}La_xB_6$
B-Li	Li_2B_{12}
	Li_3B_{12}
	Li_3B_{14}
	Li_5B_4
	Li_6B_{19}
	LiB_{12}
	LiB_{13}
	LiB_6
B-Li-O	$LiBO_2$
B-Li-Pd	Li_2Pd_3B
B-Li-Pt	$LiPt_3B$
B-Lu	LuB_{12}
	LuB_2
	LuB_4
	LuB_{66}
B-Lu-Os	$LuOs_3B_2$
B-Lu-Rh	$LuRh_4B_4$
B-Lu-Ru	$LuRuB_2$
	$LuRuB_4$
B-Mg	Mg_2B_{14}
	MgB_{12}
	MgB_2
	MgB_4
	MgB_6
B-Mn	Mn_2B

El. System	Substance
	Mn_3B_4
	$Mn_{48}B_{42}$
	Mn_4B
	MnB
	MnB_2
	MnB_{23}
	MnB_4
B-Mn-Y	Y_3MnB_7
B-Mo	$Mo_{1-x}B_3$
	Mo_2B
	Mo_2B_{5-y}
	MoB
	MoB_2
	MoB_4
B-Mo-Ni	Mo_2NiB_2
B-Mo-Ti	$Mo_{1-x}Ti_xB_2$
B-Mo-U	U_2MoB_6
B-Mo-W	Mo_2WB_2
B-N	$B_{12}N_2$
	$B_{25}N$
	$B_{36}N_{24}$
	$B_{50}N_2$
	B_6N
B-N-Nb	NbBN
B-N-Ti	TiB_xN_{1-x}
B-N-U	UBN
B-Na	Na_3B_{20}
	$NaB_{0.8}B_{14}$
	NaB_{15}
	NaB_6
B-Na-Pt	$Na_3Pt_9B_5$
	$NaPt_3B_{1+x}$
B-Na-Th	$Na_xTh_{1-x}B_6$
B-Nb	Nb_2B_3
	Nb_2B_5
	Nb_3B_2
	Nb_3B_4
	Nb_5B_6
	NbB

El. System	Substance
	NbB_2
B-Nb-V	$V_{2-x}Nb_xB_3$
B-Nd	NdB_4
	NdB_6
	NdB_{66}
B-Nd-Rh	$NdRh_4B_4$
B-Ni	Ni_2B
	Ni_3B
	Ni_4B_3
	NiB
	NiB_{25}
B-Ni-Pr	Ni_4PrB
B-Ni-Y	Ni_4YB
B-Np	NpB_{12}
	NpB_2
	NpB_4
	NpB_6
B-O	$B_{12}O_2$
	B_2O
	B_2O_3
	B_6O
	B_7O
	$(BO)_x$
B-Os	OsB_3
	$OsB_{1.2}$
	$OsB_{1.6}$
	OsB_2
B-Os-Sc	$ScOsB_2$
B-Os-Th	$ThOs_3B_2$
B-Os-U	$UOsB_4$
	U_2OsB_6
B-Os-Y	YOs_3B_2
	$YOsB_2$
B-P	B_6P
	$B_{12}P_2$
	$B_{13}P_2$
	B_5P_3
B-Pd	Pd_3B
	Pd_5B_2

El. System	Substance
B-Pm	PmB_4
	PmB_6
B-Pr	PrB_4
	PrB_6
B-Pr-Rh	$PrRh_{4.8}B_2$
B-Pt	Pt_2B
	Pt_3B
	Pt_4B
	PtB
B-Pu	PuB
	PuB_{12}
	PuB_2
	PuB_4
	PuB_6
	PuB_{66}
B-Re	Re_3B
	Re_7B_3
	ReB_2
B-Re-Tb	Tb_3ReB_7
B-Re-Tm	Tm_3ReB_7
B-Re-U	U_2ReB_6
B-Re-Y	Y_3ReB_7
B-Rh	Rh_5B_4
	Rh_7B_3
	$RhB_{1.1}$
B-Rh-Ru-Y	$YRh_{4-x}Ru_xB_4$
B-Rh-Sm	$SmRh_3B$
	$SmRh_4B_4$
B-Rh-Th	$ThRh_4B_4$
B-Rh-Tm	$TmRh_4B_4$
B-Rh-Y	YRh_4B_4
B-Rh-Yb	$YbRh_3B$
B-Ru	$Ru_{11}B_8$
	Ru_2B_3
	Ru_7B_3
	$RuB_{1.1}$
	RuB_2
B-Ru-Sc	$ScRu_4B_4$
B-Ru-Tb	$TbRuB_4$

El. System	Substance
B-Ru-Tm	$TmRuB_4$
B-Ru-U	URu_3B_2
	$URuB_4$
B-Ru-Y	$YRuB_2$
	$YRuB_4$
B-S	$(B_2S_3)_n$
	$B_{12}S$
	$B_{12}S_{2-x}$
	$B_{12}S_2$
	B_2S_2
	B_2S_3
	B_4S
	BS
	$(BS_2)_n$
B-Sc	ScB_{12}
	ScB_2
	ScB_4
B-Se	$B_{12}Se_{2-x}B_x$
	$B_{13}Se$
	B_2Se_3
B-Si	$B_{12-x}Si_xSi_2$
	$B_{14}Si$
	$B_{36}Si$
	$Si_{1-x}B_x$
	$Si_{11}B_{31}$
	$SiB_{2.89}$
	SiB_{12}
	SiB_{14}
	SiB_3
	SiB_4
	SiB_6
B-Si-Tb	$TbB_{41}Si_{1.2}$
B-Si-Y	YB_xSi_{1+y}
	$YB_{41}Si_{1.2}$
	$YB_{44}Si_{1.0}$
B-Sm	SmB_4
	SmB_6
	SmB_{66}
B-Sm-Yb	$Sm_{1-x}Yb_xB_6$

El. System	Substance
B-Sr	SrB_6
B-Ta	Ta_2B
	Ta_3B_2
	Ta_3B_4
	Ta_5B_6
	TaB
	TaB_2
B-Tb	TbB_{12}
	TbB_{25}
	TbB_4
	TbB_{50}
	TbB_6
	TbB_{66}
B-Tc	Tc_3B
	Tc_7B_3
	TcB_2
B-Th	ThB_4
	ThB_6
	ThB_{66}
	ThB_{76}
B-Th-U	$U_{1-x}Th_xB_4$
B-Ti	Ti_2B_5
	Ti_3B_4
	TiB
	TiB_2
	$(B_{12})_4B_2Ti_x$
B-Tm	TmB_{12}
	TmB_4
	TmB_{66}
B-U	UB_{12}
	UB_2
	UB_4
B-V	V_2B_3
	V_3B_2
	V_3B_4
	V_5B_6
	$V_{82}B_{18}$
	$V_{84}B_{16}$
	$V_{86}B_{14}$

El. System	Substance
	VB
	VB_2
B-W	W_2B
	W_2B_5
	WB
	WB_{12}
	WB_2
	WB_4
B-Y	YB_{66-x}
	YB_{12}
	YB_2
	YB_{25}
	YB_4
	YB_{50}
	YB_{56}
	YB_6
	YB_{62}
	YB_{66}
B-Yb	YbB_{12}
	YbB_4
	YbB_6
	YbB_{66}
B-Zn	$B_{48}B_2Zn_2$
	ZnB_{22}
B-Zr	ZrB
	ZrB_{12}
	ZrB_2
Bi-Co-Sb	$CoSb_{3-x}Bi_x$
Bi-Ir	$IrBi_2$
Bi-Ir-S	$IrBiS$
Bi-Ir-Se	$IrBiSe$
Bi-Ir-Te	$IrBiTe$
Bi-Os-Se	$OsBiSe$
Bi-Pt	$PtBi_2$
Bi-Pt-Sb	$PtSbBi$
Bi-Rh	$RhBi_2$
Bi-Rh-S	$RhBiS$
Bi-Rh-Se	$RhBiSe$
Bi-Rh-Te	$RhBiTe$

El. System	Substance
Bi-Ru-Se	$RuBiSe$
C-Mo	Mo_2C
	MoC
C-Nb	Nb_2C
	NbC
C-Ta	Ta_2C
	TaC
C-V	V_2C
	VC
Ce-Fe-P	$CeFe_4P_{12}$
Ce-Fe-Sb	$CeFe_4Sb_{12}$
Ce-H	CeH_x
	CeD_x
Ce-S	Ce_2S_3
	CeS_2
Ce-Se	Ce_2Se_3
Ce-Te	Ce_2Te_3
Cl-Gd	Gd_2Cl_3
Cl-La	La_2Cl_3
Cl-Lu	Lu_2Cl_3
Cl-Tb	Tb_2Cl_3
Cl-Tm	Tm_2Cl_3
Cl-Y	Y_2Cl_3
Co-B	Co_3B
Co-Cu-Sb	$Co_{1-x}Cu_xSb_3$
Co-Fe-Sb	$Co_{1-x}Fe_xSb_3$
	$Fe_{1-x}Co_xSb_2$
Co-Ge-S	$Co_2Ge_3S_3$
	$CoGe_{1.5}S_{1.5}$
Co-Ge-Sb	$CoSb_{3-x}Ge_x$
Co-Ge-Se	$Co_2Ge_3Se_3$
	$CoGe_{1.5}Se_{1.5}$
Co-Mn-P	$Mn_{1/2}Co_{1/2}P_2$
Co-Ni-Sb	$Co_{1-x}Ni_xSb_2$
	$Co_{1-x}Ni_xSb_3$
Co-O	Co_3O_4
	CoO
Co-P	CoP_2
	CoP_3

El. System	Substance
Co-P-S	$CoPS$
Co-P-Se	$CoPSe$
Co-Pb-Sb	$CoSb_{3-x}Pb_x$
Co-S-Sb	$CoSbS$
Co-Sb	$CoSb_2$
	$CoSb_3$
Co-Sb-Se	$CoSb_{3-x}Se_x$
	$CoSbSe$
Co-Sb-Si	$CoSb_{3-x}Si_x$
Co-Sb-Sn	$CoSb_{3-x}Sn_x$
Co-Sb-Te	$CoSb_{2-x}Te_x$
	$CoSb_{3-x}Te_x$
	$CoSbTe$
Co-Sb-Ti	$Co_{1-x}Ti_xSb_3$
Co-Sb-Zn	$Co_{1-x}Zn_xSb_3$
Cr-Fe-Sb	$Cr_{1-x}Fe_xSb_2$
Cr-O	Cr_xO_y
	Cr_2O_3
	CrO_2
Cr-O-V	$Cr_xV_{1-x}O_2$
Cr-P	CrP_4
Cr-Re-Si	$Re_{1-x}Cr_xSi_2$
Cr-S	Cr_2S_3
	CrS
Cr-Sb	$CrSb_2$
Cr-Se	$CrSe$
	$Cr_{2+x}Se_3$
	Cr_2Se_3
	Cr_3Se_4
	$CrSi_2$
Cr-Te	$Cr_{1-x}Te$
Dy-H	DyH_3
Dy-O	Dy_2O_3
Dy-S	Dy_2S_3
Dy-Se	Dy_2Se_3
Er-H	ErH_3
	ErD_x
Er-O	Er_2O_3
Er-P	ErP

El. System	Substance
Er-S	Er_2S_3
Eu-H	EuH_2
Eu-O	Eu_2O_3
	EuO
Eu-S	Eu_3S_4
	EuS
Eu-Se	Eu_2Se_3
	Eu_3Se_4
	$EuSe$
Eu-Se-Tm	$Tm_{1-x}Eu_xSe$
Eu-Te	Eu_3Te_4
	$EuTe$
F-O-V	$VO_{2-x}F_x$
Fe-Ni-Sb	$Fe_{1/2}Ni_{1/2}Sb_2$
	$Fe_{1/2}Ni_{1/2}Sb_3$
	$Fe_{1-x}Ni_xSb_2$
Fe-O	Fe_2O_3
	Fe_3O_4
	FeO, $Fe_{1-x}O$
Fe-O-V	$Fe_xV_{1-x}O_2$
Fe-P	FeP_2
	FeP_4
Fe-P-S	$FePS$
Fe-P-Se	$FePSe$
Fe-P-Th	$ThFe_4P_{12}$
Fe-S	Fe_3S_4
	Fe_7S_8
	FeS_2
	$Fe_{1-x}S$
	FeS
	FeS_{1-x}
Fe-S- Sb	$FeSbS$
Fe-S-Te	$FeS_{1-x}Te_x$
Fe-Sb	$FeSb_2$
Fe-Sb-Se	$FeSbSe$
Fe-Sb-Te	$FeSb_{2-x}Te_x$
	$FeSbTe$
Fe-Se	$FeSe$
	Fe_2Se_3

El. System	Substance
	Fe_7Se_8
	$Fe_{1-x}Se$
	$FeSe_{2-x}$
	$FeSe_2$
Fe-Si	$FeSi_2$
Fe-Te	$Fe_{1-x}Te$
	$FeTe_2$
	Fe_2Te_3
Ga-O-V	$Ga_xV_{1-x}O_2$
Gd-H	GdH_x
Gd-O	Gd_2O_3
Gd-S	Gd_2S_3
Gd-Se	Gd_2Se_3
Ge-Ir-S	$Ir_2Ge_3S_3$
	$IrGe_{1.5}S_{1.5}$
Ge-Ir-Se	$Ir_2Ge_3Se_3$
	$IrGe_{1.5}Se_{1.5}$
Ge-Os	Os_2Ge_3
Ge-Pt-Se	$PtGeSe$
Ge-Re-S	$ReGe_{1.5}S_{1.5}$
Ge-Rh-S	$Rh_2Ge_3S_3$
Ge-Rh-Se	$RhGe_{1.5}Se_{1.5}$
Ge-Ru	Ru_2Ge_3
H-Ho	HoH_3
H-La	LaH_x
	LaD_x
H-Nd	NdH_x
H-Pr	PrH_x
H-Y	YH_x
	YD_x
H-Yb	YbH_x
Hf-S	Hf_2S_3
	HfS_2
	HfS_3
Hf-Se	Hf_2Se_3
	$HfSe_2$
Ho-O	Ho_2O_3
Ho-S	Ho_2S_3
Ir-P	IrP_2

El. System	Substance
	IrP_3
Ir-P-S	$IrPS$
Ir-P-Se	$IrPSe$
Ir-S	IrS_2
	IrS_3
Ir-S-Sb	$IrSbS$
Ir-S-Sn	$Ir_2Sn_3S_3$
	$IrSn_{1.5}S_{1.5}$
Ir-Sb	$IrSb_2$
	$IrSb_3$
Ir-Sb-Se	$IrSbSe$
Ir-Sb-Te	$IrSbTe$
Ir-Se	$IrSe_2$
	$Ir_{2/3}Se_2$
	Ir_2Se_3
	$IrSe_2$
La-O	La_2O_3
La-O-S	$La_{10}S_{14}O$, $La_{10}S_{14}O_xS_{1-x}$
La-P	LaP
La-S	La_2S_3
	LaS_2
La-Se	La_2Se_3
La-Te	La_2Te_3
	$LaTe_2$
	$LaTe_3$
Lu-P	LuP
Lu-S	Lu_2S_3
Mn-O	Mn_2O_3
	Mn_3O_4
	MnO
	MnO_2
Mn-P	MnP_4
Mn-Re-Si	$Re_{1-x}Mn_xSi_2$
Mn-S	MnS
	MnS_2
Mn-Se	$MnSe$
Mn-Si	$Mn_nSi_{2(n-m)}$
Mn-Te	$MnTe$
	$MnTe_2$

El. System	Substance
Mo	Mo
Mo-O	MoO_3
Mo-O-V	$Mo_xV_{1-x}O_2$
Mo-P	MoP_4
Mo-Re-Si	$Re_{1-x}Mo_xSi_2$
Mo-S	MoS_2
Mo-Se	$MoSe_2$
Mo-Te	$MoTe_{2-x}$
Nb	Nb
Nb-O	Nb_2O_5
	NbO_2
	Nb_2O_{5-x}
	$Nb_{12}O_{29}$
	$Nb_{22}O_{54}$
	$Nb_{25}O_{62}$
	$Nb_{32}O_{79}$
Nb-O-V	$Nb_xV_{1-x}O_2$
Nb-S	NbS_3
Nb-Se	$NbSe_3$
Nd-O	Nd_2O_3
Nd-S	Nd_2S_3
Nd-Se	Nd_2Se_3
Nd-Te	Nd_2Te_3
Ni-O	NiO
	NiO_2
	Ni_2O_3
	Ni_3O_4
Ni-P	NiP_2
Ni-S	$Ni_{1-x}S$
	NiS_2
Ni-Sb	$NiSb_2$
O-Pd	PdO
O-Re-V	$Re_xV_{1-x}O_2$
O-Sm	Sm_2O_3
O-Ta	Ta_2O_5
O-Tb	Tb_2O_3
O-Ti	Ti_nO_{2n-1} , $n>=3$
	Ti_xO_y
	Ti_2O_3

El. System	Substance
	TiO_2
	Ti_4O_7
O-Ti-V	$Ti_xV_{1-x}O_2$
O-Tm	Tm_2O_3
O-V	V_nO_{2n+1} ,n>=3
	V_2O_3
	V_2O_{3+x}
	V_2O_5
	V_2O_{5-x}
	VO
	VO_2
	VO_2 , VO_{2-x}
O-V-W	$W_xV_2O_5$
	$W_xV_{1-x}O_2$
O-W	W_xO_y
O-Yb	Yb_2O_3
Os-P	OsP_2
Os-P-S	OsPS
Os-P-Se	OsPSe
Os-S	OsS_2
Os-S-Sb	OsSbS
Os-Sb	$OsSb_2$
Os-Sb-Se	OsSbSe
Os-Sb-Te	$OsSb_{2-x}Te_x$
Os-Se	$OsSe_2$
Os-Si	Os_2Si_3
	$OsSi_2$
Os-Te	$OsTe_2$
P-Pd	PdP_2
P-Pd-S	PdPS
P-Pd-S-Se	$PdPS_{1-x}Se_x$
P-Pd-Se	PdPSe
P-Pt	PtP_2
P-Re	ReP_4
P-Rh	RhP_2
	RhP_3
P-Rh-S	RhPS
P-Rh-Se	RhPSe
P-Ru	RuP_2

El. System	Substance
	RuP_4
P-Ru-S	RuPS
P-Ru-Se	RuPSe
P-Ru-Th	$ThRu_4P_{12}$
P-Sm	SmP
P-Tc	TcP_4
P-Y	YP
Pd-S	PdS
	PdS_2
Pd-Sb	$PdSb_2$
Pd-Se	PdSe
	$PdSe_2$
Pr-S	Pr_2S_3
	PrS_2
Pr-Se	Pr_2Se_3
Pr-Te	Pr_2Te_3
Pt-S	$Pt_{1-x}S_2$
	PtS
Pt-Sb	$PtSb_2$
Pt-Se	PtSe
	$PtSe_2$
Rb-Sb	$RhSb_2$
Re-S	ReS
	ReS_2
Re-Se	ReSe
	$ReSe_2$
Re-Si	$ReSi_2$
Re-Si-Ti	$Re_{1-x}Ti_xSi_2$
Re-Te	$ReTe_2$
Rh-S	$Rh_{2/3}S_2$
Rh-S-Sb	RhSbS
Rh-Sb	$RhSb_2$
	$RhSb_3$
Rh-Sb-Se	RhSbSe
Rh-Sb-Te	RhSbTe
Rh-Se	Rh_2Se_3
	$RhSe_{2-x}$
	$RhSe_2$
	$RhSe_3$

El. System	Substance
Ru-S	RuS_2
Ru-S-Sb	RuSbS
Ru-Sb	$RuSb_2$
Ru-Sb-Se	RuSbSe
Ru-Sb-Te	RuSbTe
Ru-Se	$RuSe_2$
Ru-Si	Ru_2Si_3
Ru-Sn	Ru_2Sn_3
Ru-Te	$RuTe_2$
S-Se-Sm	$SmS_{1-x}Se_x$
S-Sm	Sm_2S_3
	Sm_3S_4
	SmS
S-Ta	TaS_2
	TaS_3
S-Tb	Tb_2S_3
S-Tc	TcS
	TcS_2
S-Ti	$Ti_{1+x}S_2$
	TiS_{3-x}
	TiS_2
S-Tm	Tm_2S_3
S-V	VS_4
S-W	WS_2
S-Yb	Yb_2S_3
	YbS
S-Zr	Zr_2S_3
	ZrS_{3-x}
	ZrS_2
Se-Ti	$TiSe_2$
Se-Sm	Sm_2Se_3
	Sm_3Se_4
	SmSe
Se-Ta	$TaSe_2$
Se-Tc	TcSe
	$TcSe_2$
Se-Te-Tm	$TmSe_{1-x}Te_x$
Se-Ti	$Ti_{1+x}Se_2$
Se-Tm	Tm_2Se_3

El. System	Substance
Se-W	WSe_2
Se-Yb	YbSe
Se-Zr	$Zr_{1+x}Se_2$
	Zr_2Se_3
	$ZrSe_3$
Sm-Te	SmTe
	Sm_3Te_4
Ta	Ta
Tc-Te	TcTe
	$TcTe_2$
Te-Ti	$TiTe_2$
Te-Tm	Tm_2Te_3
	TmTe
Te-Yb	YbTe
V	V
W-Se	WSe_2
W-Te	WTe_2

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Al-B	
Al(x)B105	structural phase
Al3B32	preparation, crystal structure
AlB10	preparation, crystal structure, electrical conductivity, lattice parameters, energy gap, electron density of states
AlB10	crystal structure, structural phases, space group
alpha-AlB12	preparation, crystal structure, space group, lattice parameters, atomic positions, deformation of electron densities, valence electron distribution, density of states, energy gap, activation energy, optical absorption, electrical conductivity, IR active phonon wavenumbers, phonon absorption spectrum, Raman spectrum, thermoelectric power, resistivity, dielectric constant, thermal conductivity, entropy, density, melting point, fracture toughness
alpha-AlB12	crystal structure, lattice parameters, energy gaps, IR-active phonon wavenumbers, optical absorption, electrical and thermal conductivity, thermopower, Debye temperature, density, microhardness, melting point
gamma-AlB12	preparation, crystal structure, space group, lattice parameters, occupancies of metal sites, energy gap, IR active phonon wavenumbers, absorption spectra, electrical conductivity, microhardness, microstrength, microbrittleness, fracture toughness
AlB12	alpha-tetragonal boron structure group: crystal structure
AlB12	beta-tetragonal boron structure group: crystal structure
AlB12	orthorhombic gamma-AlB12 structure group: crystal structure
AlB2	preparation, crystal structure, band structure, thermal and electrical conductivity, space group, lattice parameters, electron density of states, resistivity, Hall constant, entropy
AlB31	Solid solution of Al in b-rhombohedral boron
B31Al	beta-rhombohedral boron structure group: crystal structure
B32Al3	beta-rhombohedral boron structure group: crystal structure
Al-B -Be	
Al(x)Be(y)B22	crystal structure, space group, atomic positions, lattice parameters, energy gap, activation energy, trap density, electrical conductivity, I-U characteristics, lattice absorption spectrum, dielectric constants
Al(x)Be(y)B12	properties of alpha-AlB12 type compounds: lattice parameters, electrical conductivity, microhardness
Al(x)Be(y)B22	beta-tetragonal boron structure group: crystal structure
AlBeB22	lattice parameters, energy gap, IR active phonon wavenumbers, phonon absorption spectrum
B24BeAl	alpha-tetragonal boron structure group: crystal structure
Al-B -C	
Al3BC	preparation, crystal structure, space group, lattice parameters, energy gap, electron density of states, phonon wavenumbers, density
Al3BC3	preparation, crystal structure, space group, lattice parameters, energy gap, electron density of states, phonon wavenumbers, density, IR transmission spectrum
Al(x)C8B51	preparation
Al2C9B51	crystal structure, structural phases, space group
Al3C2B48	preparation, crystal structure, space group, lattice parameters, atomic positions, reversible phase transition, transition energies, phonon wavenumbers, phonon spectra, activation energies, electrical conductivity, absorption coefficient, thermoelectric power, Seebeck effect, microhardness, density, microstrength, microbrittleness, fracture toughness,
Al3C2B48	alpha-tetragonal boron structure group: crystal structure
Al4BxC(3-x)	preparation, crystal structure, space group, lattice parameters, phonon wavenumbers, optical transmission spectrum
Al8B4C7	preparation, electrical conductivity, thermoelectric power, Seebeck effect
Al8B4C7	electrical conductivity, thermoelectric power
AlB24C4	electrical conductivity, thermoelectric power
AlB24C4	preparation, electrical conductivity, thermoelectric power, Seebeck effect
AlC2B12	preparation, crystal structure
AlC4B24	preparation, crystal structure, space group, lattice parameters, ESR spectrum, activation energy, electrical conductivity, phonon spectra, microhardness, density, fracture toughness
AlC4B40	preparation, crystal structure
B12AlC2	crystal structure, lattice parameters, atomic positions, phonon absorption spectra, thermoelectric power
B12AlC2	crystal structure, structural phases, space group

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B12AlC4	crystal structure, space group, lattice parameters, atomic positions, phonon absorption spectra, thermoelectric power
B24AlC4	crystal structure, structural phases, space group
B40AlC4	crystal structure, structural phases, space group
B4AlC(0.25)	crystal structure, lattice parameters, atomic positions, phonon absorption spectra, thermoelectric power
B4AlC(x)	crystal structure, lattice parameters, atomic positions, phonon absorption spectra, thermoelectric power
B51Al2C8	crystal structure, structural phases, space group
B51AlC8	crystal structure, space group, lattice parameters, atomic positions, phonon absorption spectra, thermoelectric power
C4AlB26	crystal structure, structural phases, space group
Al-B -Cr-Mo	
Mo(x)Cr(1-x)AlB	preparation, crystal structure
Mo(x)Cr(1-x)AlB	preparation, crystal structure, space group, lattice parameters
Al-B -Cu	
Al(x)Cu(y)B25	crystal structure, space group, lattice parameters,interatomic positions
Al-B -Dy	
DyAlB14	structure group of the orthorhombic MgAlB14-type borides: crystal structure
Al-B -Er	
ErAlB14	preparation, crystal structure, space group, lattice parameters, atomic distances, energy gaps, phonon wavenumbers, phonon spectrum, absorption spectra, reflectivity spectra, electrical conductivity, thermoelectric power, magnetic moments, magnetization, Curie temperature, microhardness
ErAlB14	structure group of the orthorhombic MgAlB14-type borides: crystal structure, absorption spectra
ErAlB4	crystal structure, lattice parameters
Al- B- Ho	
HoAlB14	preparation, crystal structure, space group, lattice parameters, magnetic moments, Curie temperature, microhardness
HoAlB14	structure group of the orthorhombic MgAlB14-type borides: crystal structure
Al-B -Li	
LiAlB14	crystal structure, space group, lattice parameters, interatomic distances, charge density, density of states, energy gap, interband transitions, photoconductivity, optical and electroabsorption, reflecivity, IR phonon resonance wavenumbers, thermoelectric power, density, melting point, microhardness
LiAlB14	structure group of the orthorhombic MgAlB14-type borides: crystal structure, interatomic distances, absorption spectra, reflectivity
Al-B -Lu	
Lu2AlB6	preparation, crystal structure, space group, lattice parameters, resistivity, microhardness
LuAlB14	preparation, crystal structure, space group, lattice parameters, magnetization
LuAlB14	structure group of the orthorhombic MgAlB14-type borides: crystal structure
LuAlB4	crystal structure, space group, lattice parameters, resistivity, microhardness
LuAlB6	crystal structure, lattice parameters
Al-B -Mg	
Al(x)Mg(y)B22	preparation, crystal structure, space group, lattice parameters, energy gap, microhardness
Al(x)Mg(y)B22	orthorhombic gamma-AlB12 structure group: crystal structure
MgAlB14	crystal structure, space group, lattice parameters, interatomic positions, energy gap, optical absorption and reflectivity spectrum, electrical conductivity, thermoelectric power, density, microhardness, melting point
MgAlB14	structure group of the orthorhombic MgAlB14-type borides: crystal structure, interatomic distances, absorption spectra, reflectivity
Al-B -Sc	
Sc(x)Al(y)B(z)	crystal growth
Al-B -Si	
Al3SiB48	microhardness, microstrength, microbrittleness, thermoelectric power

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Al-B -Tb	
TbAlB14	preparation, crystal structure, space group, lattice parameters, magnetic moments, magnetization, Curie temperature, microhardness
TbAlB14	structure group of the orthorhombic MgAlB14-type borides: crystal structure
Al-B -Tm	
TmAlB14	preparation, crystal structure, space group, lattice parameters, microhardness
TmAlB14	structure group of the orthorhombic MgAlB14-type borides: crystal structure
TmAlB4	crystal structure, space group, lattice parameters, resistivity, microhardness
Al-B -Y	
YAlB14	preparation, crystal structure, lattice parameters, atomic distances, microhardness
YAlB14	further structure groups: crystal structure
YAlB14	structure group of the orthorhombic MgAlB14-type borides: crystal structure
Yb2AlB6	preparation, crystal structure, space group, lattice parameters
YbAlB14	crystal structure, space group, lattice parameters
YbAlB14	structure group of the orthorhombic MgAlB14-type borides: crystal structure
YbAlB4	preparation, crystal structure, space group, lattice parameters, density, resistivity, microhardness
Al-Co-Sb	
Co(1-x)Al(x)Sb3	crystal structure, chemical bond of transition element tripnictides
Al-O -V	
Al(x)V(1-x)O2	conductivity, thermopower
Am-B	
AmB4	preparation
AmB6	preparation, crystalline structure
As-B	
B12As2	preparation, crystal structure, space group, lattice parameters, interatomic distances, band structure, density of states, Mulliken effective charge, energy gap, irradiation-induced damage rates, lattice vibration modes, thermal conductivity, phonon mean free path, force field constant, sound velocities, acoustiv phonon cutoff, elastic moduli, bulk modulus, optical conductivity, dielectric constant, refractive index, absorption spectrum, Raman spectrum, Debye temperature, density
B12As2	alpha-rhombohedral boron structure group: crystal structure
B13As2	preparation, crystal structure, space group, lattice parameters, interatomic distances, band structure, density of states, Mulliken effective charge, energy gap, irradiation-induced damage rates, lattice vibration modes, thermal conductivity, phonon mean free path, force field constant, sound velocities, acoustiv phonon cutoff, elastic moduli, bulk modulus, optical conductivity, dielectric constant, refractive index, absorption spectrum, Raman spectrum, Debye temperature, density
B6As	preparation, crystal structure, space group, lattice parameters, interatomic distances, band structure, density of states, Mulliken effective charge, energy gap, irradiation-induced damage rates, lattice vibration modes, thermal conductivity, phonon mean free path, force field constant, sound velocities, acoustiv phonon cutoff, elastic moduli, bulk modulus, optical conductivity, dielectric constant, refractive index, absorption spectrum, Raman spectrum, Debye temperature, density
B6As	alpha-rhombohedral boron structure group: crystal structure
As-Co	
CoAs2	physical properties
CoAs2	crystal structure, chemical bond of transition element dipnictides
CoAs2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
CoAs2	interatomic distances for binary arsenopyrite-type phases of transition element dipnictides
CoAs3	crystallographic data for semiconducting skutterudite-type compounds TX3: lattice parameters, space group, atomic positions, density
CoAs3	physical data for skutterudite-type semiconductors: energy gap, resistivity, electrical conductivity, thermoelectric power, mass susceptibility
As-Co-Fe	
Co(1-x)Fe(x)As3	doping and ternary phases of transition element tripnictides: solubility, resistivity

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Co(1-x)Fe(x)As3	doping and ternary phases of transition element tripnictides: solubility
Co(1-x)Fe(x)As3	physical data for skutterudite-type semiconductors: energy gap, resistivity, electrical conductivity, thermoelectric power, mass susceptibility
Fe(1-x)Co(x)As2	physical properties
As-Co-Fe-Ni	
Co(1-x-y)Fe(x)Ni(y)As3	crystallographic data for semiconducting skutterudite-type compounds TX3: lattice parameters, space group, atomic positions, density
CoFe(x/2)Ni(x/2)As3	doping and ternary phases of transition element tripnictides: solubility
As-Co-Fe-S	
Fe(x)Co(1-x)As(3-x)S(x)	physical properties
As-Co-Fe-Se	
Fe(x)Co(1-x)As(3-x)Se(x)	physical properties
As-Co-Ni	
Co(1-x)Ni(x)As2	physical properties
Co(1-x)Ni(x)As3	doping and ternary phases of transition element tripnictides: solubility, resistivity
Co(1-x)Ni(x)As3	physical data for skutterudite-type semiconductors: energy gap, resistivity, electrical conductivity, thermoelectric power, mass susceptibility
As-Co-P	
CoP(3-x)As(x)	doping and ternary phases of transition element tripnictides: solubility
CoP(3-x)As(x)	doping and ternary phases of transition element tripnictides: solubility
As-Co-S	
CoAsS	crystal structure, physical properties
CoAsS	crystal structure, chemical bond
CoAsS	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
CoAsS	crystallographic data for ternary marcasite-type semiconductors: lattice parameters, space group, density
As-Co-Sb	
CoAs(3-x)Sb(x)	doping and ternary phases of transition element tripnictides: solubility
As-Co-Se	
CoAsSe	crystal structure, physical properties
CoAsSe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
CoAsSe	crystallographic data for ternary marcasite-type semiconductors: lattice parameters, space group, density
As-Cr-Fe	
Fe(1-x)Cr(x)As2	physical properties
As-Fe	
FeAs2	physical properties
FeAs2	physical properties of Se-doped material
FeAs2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
FeAs2	interatomic distances in marcasite- and loellingite-type transition element dipnictides
As-Fe-Ni	
Fe(1/2)Ni(1/2)As2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
Fe(1/2)Ni(1/2)As2	interatomic distances in marcasite- and loellingite-type transition element dipnictides
Ni(1-x)Fe(x)As3	physical data for skutterudite-type semiconductors: energy gap, resistivity, electrical conductivity, thermoelectric power, mass susceptibility
Ni(1-x)Fe(x)As3	physical properties
Ni(1-x)Fe(x)As3	crystal structure, chemical bond of transition element tripnictides

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As-Fe-S	
FeAsS	physical properties
FeAsS	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
As-Fe-Se	
FeAsSe	physical properties
FeAsSe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
As-Fe-Te	
FeAsTe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
As-Ir	
IrAs2	physical properties
IrAs2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
IrAs2	interatomic distances for binary arsenopyrite-type phases of transition element dipnictides
IrAs3	crystallographic data for semiconducting skutterudite-type compounds TX3: lattice parameters, space group, atomic positions, density
IrAs3	physical data for skutterudite-type semiconductors: energy gap, resistivity, electrical conductivity, thermoelectric power, mass susceptibility
As-Ir-Os	
Ir(1-x)Os(x)As3	crystal structure, chemical bond of transition element tripnictides
As-Ir-Pt	
Ir(1-x)Pt(x)As3	doping and ternary phases of transition element tripnictides: solubility
As-Ir-S	
IrAsS	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
As-Ir-Sb	
IrAsSb	physical properties
IrAsSb	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
As-Ir-Se	
IrAsSe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
As-Ir-Te	
IrAsTe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
As-Ni	
NiAs2	physical properties
NiAs2	crystal structure, chemical bond
NiAs2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
NiAs2	interatomic distances in marcasite- and loellingite-type transition element dipnictides
NiAs2	interatomic distances in pyrite- and pararammelsbergite-type transition element dipnictides
As-Ni-Pd	
Ni(1/2)Pd(1/2)As2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
Ni(1-x)Pd(x)As2	crystal structure
As-Ni-Pt	
Ni(x)Pt(1-x)As2	physical properties, metal substitutions in PtAs2
As-Ni-S	
NiAs(2-x)S(x)	physical properties

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As-Ni-Se	
NiAs(2-x)Se(x)	physical properties
As-O -Se	
OAsSe	physical properties
As-Os	
OsAs2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
OsAs2	interatomic distances in marcasite- and loellingite-type transition element dipnictides
As-Os-Ru-S	
Ru(1/2)Os(1/2)AsS	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
As-Os-S	
OsAsS	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
OsAsS	physical properties
As-Os-Se	
OsAsSe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
As-Os-Te	
OsAsTe	physical properties
As-P -Pd	
PdPAs	physical properties
PdPAs	crystallographic data for the PdP2-type compounds with square-planar cation coordination: lattice parameters
As-P -Pt	
PtPAs	physical properties
PtPAs	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
As-P -Ru	
RuPAs	physical properties
RuPAs	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
As-Pd	
PdAs2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
PdAs2	interatomic distances in pyrite- and pararammelsbergite-type transition element dipnictides
As-Pd-Rh	
Rh(1-x)Pd(x)As3	doping and ternary phases of transition element tripnictides: solubility, resistivity
As-Pt	
PtAs2	physical properties
PtAs2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
PtAs2	interatomic distances in pyrite- and pararammelsbergite-type transition element dipnictides
As-Rh	
RhAs2	physical properties
RhAs2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
RhAs2	interatomic distances for binary arsenopyrite-type phases of transition element dipnictides
RhAs3	crystallographic data for semiconducting skutterudite-type compounds TX3: lattice parameters, space group, atomic positions, density
RhAs3	physical data for skutterudite-type semiconductors: energy gap, resistivity, electrical conductivity, thermoelectric power, mass susceptibility

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As-Rh-Ru	
Rh(1-x)Ru(x)As3	crystal structure, chemical bond of transition element tripnictides
As-Rh-S	
RhAsS	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
As-Rh-Sb	
RhAsSb	physical properties
RhAsSb	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
As-Rh-Se	
RhAsSe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
As-Rh-Te	
RhAsTe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
As-Ru	
RuAs2	physical properties
RuAs2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
RuAs2	interatomic distances in marcasite- and loellingite-type transition element dipnictides
As-Ru-S	
RuAsS	physical properties
RuAsS	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
As-Ru-Sb	
RuAsSb	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
As-Ru-Se	
RuAsSe	physical properties
RuAsSe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
As-Ru-Te	
RuAsTe	physical properties
RuAsTe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
B	
B	alpha-rhombohedral boron structure group: crystal structure
B	alpha-tetragonal boron structure group: crystal structure
B	beta-rhombohedral boron structure group: crystal structure
B	beta-tetragonal boron structure group: crystal structure
B -Ba	
BaB6	crystal structure, space group, lattice parameters, energy gap, entropy, resistivity, density, melting point, thermal expansion
BaB6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure
B -Ba-Na	
Na(x)Ba(1-x)B6	preparation, crystalline structure
Na(x)Ba(1-x)B6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, Einstein temperature, band structure
B -Ba-Sm	
Sm(1-x)Ba(x)B6	effective valence, optical absorption

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B -Be	
B12Be	alpha-rhombohedral boron structure group: crystal structure
B12Be	alpha-tetragonal boron structure group: crystal structure
B12Be2	alpha-rhombohedral boron structure group: crystal structure
Be2B	preparation, crystalline structure, chemical bond, electrical conductivity, entropy
Be4B5	structural phase
Be5B	preparation, crystalline structure, chemical bond, electrical conductivity, entropy
BeB12	preparation, crystal structure, space group, band structure, electrical conductivity, lattice parameters,density, melting point, optical transmission
BeB2	preparation, band structure, chemical bond, electrical conductivity, entropy
BeB3	preparation, crystal structure, space group, lattice parameters
BeB3	further structure groups: crystal structure
BeB4	crystal structure, resistivity, density, melting point
BeB6	crystal structure, lattice parameters, band structure, resistivity, density, melting point
BeB9	preparation, crystal structure, electrical conductivity, lattice parameters, microhardness
B -Be-C	
BeB2C2	preparation, crystal structure, core-loss spectrum
B -Be-N	
Be(1/2)B5N	preparation, crystal structure, lattice parameters, core-loss spectrum
B -Br	
B9Br9	crystal structure, space group, lattice parameters
BBr3	crystal structure, IR and Raman spectra
B -C	
B(x)C(1-x)	amorphous boron carbide: crystallization, phase transitions, absorption spectra, Raman spectra, local vibrations, speed of sound variation, differential thermal analysis, thermal gravimetry
B(x)C(1-x)	structure, paramagnetic centers
B(x)C(y)	structure details of boron carbide: crystal structure, space group, lattice parameters, interatomic distances, quadropole coupling constant
B(x)C(y)	boron carbide doped with H, He, Mg, C, Si
B(x)C(y)	boron carbide doped with N, P, O
B(x)C(y)	boron carbide doped with Ti, Cr, Fe
B(x)C(y)	electronic properties of boron carbide: band structure, cohesive energies, Mulliken effective charge, density of states, charge densities, Auger electron spectroscopy, energy gaps, photoluminiscence energies, activation energy for conductivity, interband critical points, g-values, spin density, susceptibility, Hall mobility, ESR intensity and linewidth, electrical resistivity, effective hole mass
B(x)C(y)	further properties of boron carbide: melting point, heat capacity, thermal conductivity, speed of sound, plastic wave velocities, magnetic susceptibility, Grüneisen parameter, density, thermal expansion, critical stress intensity factor, microhardness, flexural and transverse rupture strength, internal friction,
B(x)C(y)	impurities and defects of boron carbide
B(x)C(y)	lattice properties of boron carbide: elastic moduli, Young's modulus, shear modulus, bulk modulus, compressibility, fracture toughness, sound velocity, ultrasonic wave propagation velocity, lattice vibrations, phonon wavenumbers, phonon dispersion, force field constants,
B(x)C(y)	optical properties of boron carbide: dielectric function, absorption and reflectance spectra, transition energies, IR phonon and Raman spectra, concentration of unoccupied traps
B(x)C(y)	structure, chemical bond, review articles of boron carbide
B(x)C(y)	transport properties of boron carbide: electrical conductivity, hall mobility, resistivity, Seebeck effect, dielectric function, photoconductivity, Hall coefficient, hole concentration, magnetoresistance, thermoelectric power
B(x)C(y)	general papers on further properties of boron carbide: diffusion of point defects, mechanical properties, microcracking
B25C	preparation, crystal structure, space group, lattice parameters, lattice vibration spectra, absorption and reflectance spectra, phonon frequencies, density
B25C	alpha-tetragonal boron structure group: crystal structure
B2C	preparation

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B50C2	preparation, crystal structure, space group, lattice parameters, lattice vibration spectra, absorption and reflectance spectra, phonon frequencies, density
B51C	preparation, crystal structure, space group, lattice parameters, lattice vibration spectra, absorption and reflectance spectra, phonon frequencies, density
B51C	alpha-tetragonal boron structure group: crystal structure
B8C	preparation, crystal structure, lattice parameters, lattice vibration spectra, absorption and reflectance spectra, phonon frequencies, density
BC3	crystal structure, band structure
B -C -Ce	
Ce10B9C12	atomic positions, valence electron count
Ce5B2C6	preparation, crystal structure
Ce5B2C6	atomic positions, valence electron count
Ce5B4C5	atomic positions, valence electron count
B -C -Eu	
EuB(6-x)C(x)	crystal structure, lattice parameters, carrier concentration, Curie temperature, carrier concentration, phonon wavenumbers, Raman spectrum, reflectivity spectrum, resistivity, magnetoresistance, electron mobility, electrical conductivity, Hall coefficient, thermoelectric power, thermal conductivity, dielectric function, compressibility, heat capacity, density, melting point, thermal expansion, work function, emissivity, microhardness, magnetic moments, Curie temperature, entropy, magnetic phase diagram, magnetic susceptibility
EuB(6-x)C(x)	phonon wavenumbers
B -C -Gd	
Gd15B4C12	atomic positions, valence electron count
Gd5B2C5	atomic positions, valence electron count
B -C -Hf-Mo	
Mo(2-x)Hf(x)BC	superconducting behavior
B -C -La	
La10B9C6	atomic positions, valence electron count
La15B14C19	atomic positions, valence electron count
La5B2C6	preparation, crystal structure, superconductivity
LaB2C2	crystal structure
B -C -Li	
LiBC	preparation, crystal structure, space group, lattice parameters, energy gap, optical transmittance
B -C -Lu-Ni	
LuNi2B2C	Hall effect
B -C -Mo	
Mo2BC	critical temperature of superconductivity
B -C -Mo-Nb	
Mo(2-x)Nb(x)BC	superconducting behavior
B -C -Mo-Rh	
Mo(2-x)Rh(x)BC	superconducting behavior
B -C -Mo-Ta	
Mo(2-x)Ta(x)BC	superconducting behavior
Mo(2-x)W(x)BC	superconducting behavior
Mo(2-x)Zr(x)BC	superconducting behavior
B -C -N	
B(x)C(y)N	preparation, crystal structure, lattice parameters, transmission spectra

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BC3N	preparation, crystal structure, lattice parameters, transmission spectra
BC2N	preparation, crystal structure, lattice parameters, transmission spectra
BCN	preparation, crystal structure, lattice parameters, transmission spectra
B2C4N2	preparation, crystal structure, lattice parameters, band structure, density of states, transmission spectra
B2C5N	preparation, crystal structure, lattice parameters, transmission spectra
B -C -Na	
NaB5C	crystal structure, lattice parameters, density
NaB5C	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure
B -C -Nb	
Nb4B3C2	crystal structure, space group, lattice parameters
B- C -Sc	
Sc(x)B(y)C(z)	crystal structure, space group, lattice parameters, band structure, density
Sc2BC2	band structure
B -C -Th	
ThB2C	crystal structure
B -C -U	
UB(x)C(y)	phase diagram of the ternary system, unit cell dimensions
B -Ca	
CaB6	reflectance spectrum
CaB6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure
B -Ca-Sm	
Sm(1-x)Ca(x)B6	lattice constants
Sm(1-x)Ca(x)B6	effective valence, optical absorption
B -Cd	
CdB4	crystal structure, melting point
CdB4	crystal structure, lattice parameters, thermal and electrical conductivity
B -Ce	
CeB4	crystal structure, space group, melting point, entropy, standard enthalpy of formation
CeB4	crystal structure, lattice parameters, thermal and electrical conductivity
CeB6	crystal structure, chemical bond, band structure, energy gap, magnetic moments, lattice parameters, elastic constants, entropy, melting point, Debye temperature, microhardness, magnetic susceptibility, Neel temperature, magnetic phase diagram,
CeB6	reflectivity spectrum
CeB6	phonon wavenumbers
CeB6	Einstein temperature
CeB6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure, reflectivity spectrum
B -Ce-Co	
CeCo3B2	preparation, crystal structure, intermediate valence behavior
Co4CeB	preparation and compound structure

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B -Ce-Co-Fe	
CeCo2Fe2B	preparation and compound structure
CeCoFe3B	preparation and compound structure
B -Ce-Cr	
CeCr2B6	preparation, crystal structure
B -Ce-Ir	
CeIr3B2	intermediate valence behavior
B -Ce-La	
La(1-x)Ce(x)B6	preparation, crystal structure, lattice parameters, density, hardness
B -Ce-Ni	
Ni4CeB	preparation and compound structure
B -Ce-Os	
CeOs3B2	crystal structure, critical temperature of superconductivity
B -Ce-Rh	
CeRh3B2	preparation, crystal structure, space group, lattice parameters, atomic positions, occupancies, intermediate valence behavior
B -Cu-Re	
CeRu3B2	crystal structure, critical temperature of superconductivity, intermediate valence behavior
B -Cl	
B4Cl4	crystal structure, band structure, IR and Raman spectra
B9Cl9	crystal structure, space group, lattice parameters
BCl3	crystal structure, IR and Raman spectra
B -Cl-H	
BH(m)Cl(n)	Thermochemistry
B -Co	
Co77B23	crystallization
Co(100-x)B(x)	IR optical properties
Co2B	preparation, crystal structure, band structure
CoB	preparation, crystal structure
CoB12	preparation, crystal structure, microhardness
B -Co-Er	
Co4ErB	preparation and compound structure
B -Co-Fe	
Co(3-x)Fe(x)B	hyperfine fields, site preference
Fe75Co5B20	preparation, crystal structure, optical conductivity spectra
Fe80Co5B15	preparation, crystal structure, optical conductivity spectra
B -Co-Gd	
Gd3Co11B4	crystal structure, electrical resistivity, heat capacity
GdCo12B6	crystal structure, lattice parameters, resistivity, Seebeck coefficient, heat capacity, critical behaviour
B -Co-Ho	
Co4HoB	preparation and compound structure

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B -Co-La	
Co14La2B	preparation and compound structure
Co4LaB	preparation and compound structure
B -Co-Nb	
Nb3Co4B7	lattice parameters
B -Co-Pr	
Co14Pr2B	preparation and compound structure
Co4PrB	preparation and compound structure
B -Co-U	
UCo3B2	intermediate valence behavior
B -Co-Y	
Co4YB	preparation and compound structure
Y3Co11B4	crystal structure, electrical resistivity
YCo12B6	crystal structure, lattice parameters, resistivity, Seebeck coefficient, heat capacity, critical behaviour
B -Cr	
Cr2B	preparation, crystal structure, band structure, lattice parameters
Cr2B3	crystal structure, space group, lattice parameters, interatomic positions, resistivity, microhardness, density
Cr3B2	crystal structure, space group, lattice parameters
Cr3B4	preparation, crystal structure, lattice parameters, space group, density, microhardness, resistivity
Cr5B3	preparation, crystal structure, lattice parameters
CrB	preparation, crystal structure, space group, band structure, lattice parameters, atomic positions, resistivity, microhardness
CrB2	preparation, crystal structure, space group, band structure, lattice parameters, density, resistivity, microhardness, electrical conduction
CrB4	preparation, crystal structure
CrB6	crystal structure, space group, electron density, lattice parameters, band structure, density of states, energy gap, vibrational frequencies, entropy, IR diffuse reflectance spectrum, Raman spectrum, resistivity, density, melting point, thermal expansion
B –Cr-Fe	
Fe75Cr5B20	preparation, crystal structure, optical conductivity spectra
Fe80Cr5B15	preparation, crystal structure, optical conductivity spectra
B -Cr-Mo	
Cr(1-x)Mo(x)B4	crystal growth
Cr(3-x)Mo(x)B4	single crystal preparation, structure
Mo2CrB2	crystal structure, space group, lattice parameters
B -Cr-Ni	
Cr2NiB2	crystal structure, space group, lattice parameters
B -Cr-Ta	
Cr(3-x)Ta(x)B4	single crystal preparation, structure
B -Cr-Th	
ThCr2B6	preparation, structure
ThCrB4	preparation, structure
B -Cr-W	
Cr(1-x)W(x)B4	crystal growth

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Cr(3-x)W(x)B4	single crystal preparation, structure
Cr2WB2	crystal structure, space group, lattice parameters
B -Cr-Y	
YCrB4	space group
B -Cu	
Cu(x)B105	solid solutions of Cu in b-rhombohedral boron
B -Dy	
DyB12	crystal strcuture, lattice parameters, resistivity, Neel temperature, Curie temperature, effective magnetic moments, magnetic susceptibility, entropy
DyB12	crystal structure, lattice parameters, band structure, cluster energy levels
DyB2	entropy
DyB4	crystal structure, space group, melting point, microhardness
DyB4	crystal structure, lattice parameters, thermal and electrical conductivity, resistivity, Hall coefficient, electron density, electron mobility
DyB50	magnetization
DyB50	structure group of the REB50-type borides: preparation, crystal structure, space group, magnetization
DyB6	reflectance spectrum
DyB6	formation mechanism, force constants, vibrational modes, reflection and Raman spectra
DyB66	energy gap, electrical conductivity, Hall mobility, thermoelectric power,
DyB66	further structure groups: crystal structure
B -Dy-Fe	
Dy3FeB7	crystal structure, space group, lattice parameters
B -Dy-Re	
Dy3ReB7	crystal structure, space group, lattice parameters
B -Dy-Rh	
DyRh4B4	magnetic susceptibility
B -Dy-Ru	
DyRuB4	crystal structure, magnetic ordering
B -Dy-Sm	
Sm(1-x)Dy(x)B6	effective valence, optical absorption
B -Er	
ErB12	crystal strcuture, lattice parameters, resistivity, Neel temperature, Curie temperature, effective magnetic moments, magnetic susceptibility, entropy
ErB12	crystal structure, lattice parameters, band structure, cluster energy levels
ErB4	preparation, crystal structure, space group, phase transition temperatures, lattice parameters, magnetic phase diagram, magnetic susceptibility, melting point, microhardness
ErB4	crystal structure, lattice parameters, thermal and electrical conductivity, resistivity, Hall coefficient, electron density, electron mobility, magnetic susceptibility
ErB50	magnetization
ErB50	structure group of the REB50-type borides: preparation, crystal structure, space group, magnetization
ErB66	crystal growth, electrical conductivity, thermoelectric power, carrier mobility
ErB66	further structure groups: crystal structure
B -Er-Fe	
Er3FeB7	crystal structure, space group, lattice parameters
B -Er-Ir	
ErIr4B4	crystal structure

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B -Er-Re	
Er3ReB7	crystal structure, space group, lattice parameters
B -Er-Rh	
ErRh3B	preparation, crystal structure
ErRh3B2	crystal structure, space group, lattice parameters, magnetic susceptibility
ErRh4B4	crystal structure, critical temperature of superconductivity, chemical bond, critical temperatures of superconductivity, ferro- and antiferromagnetism, magnetic ordering
ErRh4B4	crystal structure, space group, lattice parameters, density, superconductivity data
B -Er-Ru	
ErRuB4	crystal structure, magnetic ordering
B -Eu	
EuB4	crystal structure, space group, microhardness
EuB4	crystal structure, lattice parameters, thermal and electrical conductivity
EuB6	crystal structure, chemical bond, interatomic distances, band structure, density of states, energy gap, optical transition energies, absorption spectrum, reflectivity spectrum, g-factors, effective mass of electrons, interband transitions, work function, resistivity, Curie temperature, lattice parameters, concentration of impurities and defects
EuB6	Einstein temperature
EuB6	resistivity, optical reflectivity
EuB6	carrier concentration, electrical conductivity, resistivity, thermopower, Raman spectra,reflectivity
EuB6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure, reflectivity spectrum
B -Eu-La	
La(x)Eu(1-x)B6	resistivity
La(x)Eu(1-x)B6	phase transitions, work function, electrical resistivity, thermoelectric power
B -Eu-Sm	
Sm(1-x)Eu(x)B6	lattice constants
Sm(1-x)Eu(x)B6	lattice parameters, effective valence, optical absorption
B -F	
BF3	crystal structure, IR and Raman spectra
B -Fe	
Fe(x)B(100-x)	magnetic phase diagram, resonance ESR-linewidth, spin relaxations, magnetic order in disordered media
FeB	preparation, crystal structure, band structure, electrical resistance, thermopower
Fe2B	preparation, crystal structure, band structure
Fe80B20	absorption
FeB(2)	ESR linewidth
B -Fe-Ho	
Ho3FeB7	crystal structure, space group, lattice parameters
B -Fe-Mn	
Fe75Mn5B20	preparation, crystal structure, optical conductivity spectra
Fe80Mn5B15	preparation, crystal structure, optical conductivity spectra
B -Fe-Mo	
Mo2FeB2	corrosion behavior, sintering mechanism

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B -Fe-Nd	
Fe14Nd2B	preparation and compound structure
B -Fe-Ni	
Fe75Ni5B20	preparation, crystal structure, optical conductivity spectra
Fe80Ni5B15	preparation, crystal structure, optical conductivity spectra
B -Fe-Si	
Fe78B13Si9	crystallization kinetics, hyperfine field distibutions
B -Fe-Tb	
Tb3FeB7	crystal structure, space group, lattice parameters
B -Fe-Ti	
Fe75Ti5B20	preparation, crystal structure, optical conductivity spectra
Fe80Ti5B15	preparation, crystal structure, optical conductivity spectra
B -Fe-V	
Fe75V5B20	preparation, crystal structure, optical conductivity spectra
Fe80V5B15	preparation, crystal structure, optical conductivity spectra
B -Fe-Y	
Fe14Y2B	preparation and compound structure
Y3FeB7	crystal structure, space group, lattice parameters
B -Gd	
GdB(66-x)	further structure groups: crystal structure, thermal conductivity
GdB(x)	electrical conductivity, thermoelectric power
GdB12	crystal structure, lattice parameters, band structure, cluster energy levels
GdB4	crystal structure, space group, entropy, microhardness, magnetic susceptibility
GdB4	crystal structure, lattice parameters, thermal and electrical conductivity, resistivity, Hall coefficient, electron density, electron mobility, magnetic susceptibility
GdB5	enthalpy of formation
GdB6	lattice parameters, vibrational frequencies, reflectance spectrum, Raman spectrum, entropy, microhardness, melting point,
GdB6	Einstein temperature
GdB6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure
GdB66	electrical conductivity, thermoelectric power, carrier mobility
GdB66	energy gap, interband transition energies, electrical conductivity, carrier concentration, Hall mobility, Seebeck coefficient, thermoelectric power, absorption, reflectance, Raman spectrum, density, sound velocity, thermal conductivity, internal friction, microhardness
GdB66	further structure groups: crystal structure
B -Gd-Mn	
Gd3MnB7	crystal structure, space group, lattice parameters
B -Gd-Re	
Gd3ReB7	crystal structure, space group, lattice parameters
B -Gd-Rh	
GdRh3B	preparation, crystal structure
B -Gd-Ru	
GdRuB4	crystal structure, magnetic ordering

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B -Gd-Sm	
Sm(1-x)Gd(x)B6	lattice constants, resistivity
Sm(1-x)Gd(x)B6	lattice parameters, effective valence, optical absorption
B -Ge	
B90Ge	beta-rhombohedral boron structure group: crystal structure
GeB90	phase diagram
B -H	
a-B(H)	boron-hydrogen alloys: energy gap, phonon wavenumbers, dielectric constant, photoconductivity
B12H12	ground and excited energies
B -Hf	
HfB	band structure, critical temperature of superconductivity
HfB2	preparation, crystal structure, band structure, carrier concentration, heat capacity, variation of the deHass-vanAlphen frequencies
B -Ho	
HoB12	crystal strcuture, lattice parameters, resistivity, Neel temperature, Curie temperature, effective magnetic moments, magnetic susceptibility, entropy
HoB12	crystal structure, lattice parameters, band structure, cluster energy levels
HoB4	crystal structure, space group, magnetization, magnetic susceptibility, microhardness, melting point
HoB4	crystal structure, lattice parameters, thermal and electrical conductivity, resistivity, Hall coefficient, electron density, electron mobility, magnetic susceptibility
HoB50	magnetization
HoB50	structure group of the REB50-type borides: preparation, crystal structure, space group, magnetization
HoB66	further structure groups: crystal structure
B -Ho-Ir	
HoIr4B4	crystal structure
B -Ho-Re	
Ho3ReB7	crystal structure, space group, lattice parameters
B -Ho-Ru	
HoRu4B4	magnetic phase transition
HoRuB4	crystal structure, magnetic ordering
B -I	
BI3	crystal structure
B -Ir	
IrB(y)	preparation, crystal structure, electrical conductivity
B -Ir-La	
LaIr3B2	crystal structure, critical temperature of superconductivity
B -Ir-Th	
ThIr3B2	crystal structure, critical temperature of superconductivity
B -Ir-Tm	
TmIr4B4	crystal structure
B -Ir-U	
UIr3B2	intermediate valence behavior

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B -K	
KB6	crystal structure, space group, lattice parameters, band structure, energy gap, conductivity, activation energy, magnetic susceptibility, density
B -La	
LaB4	crystal structure, space group, lattice parameters, density of states, melting point, entropy
LaB4	crystal structure, lattice parameters, thermal and electrical conductivity
LaB6	entropy, resistivity, reflectivity spectrum
LaB6	reflectance spectrum
LaB6	preparation, crystal structure, chemical bond, space group, lattice parameters, interatomic distances, band structure, energy gap, emission and absorption spectra, work function of electrons, electron density distribution, transition energies, critical temperature of superconductivity, irradiation-induced damage rates, impurities and defects, vibrational frequencies, phonon modes, elastic constants, sound velocity, rms velocity, phonon dispersion curves, thermal expansion, resistivity, thermopower, dielectric function, reflectivity spectrum, Raman spectrum, compressibility, entropy, melting point, microhardness, evaporation rates, Debye temperature
LaB6	Einstein temperature
LaB6	resistivity, optical reflectivity
LaB6	resistivity, thermopower, Raman spectra, reflectivity
LaB6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure, hardness, reflectivity spectrum
B -La-Nd	
La(1-x)Nd(x)B6	preparation
B -La-Ni	
Ni4LaB	preparation and compound structure
B -La-Pr	
La(1-x)Pr(x)B6	preparation, density
B -La-Rh	
LaRh3B2	crystal structure, critical temperature of superconductivity
B -La-Ru	
LaRu(2.7)B2	crystal structure, critical temperature of superconductivity
B -La-Sm	
Sm(1-x)La(x)B6	lattice constants, resistivity
Sm(1-x)La(x)B6	lattice parameters, effective valence, optical absorption
B -Li	
Li2B12	total energy gain, lattice parameters, bulk modulus, density of states
Li3B12	total energy gain, lattice parameters, bulk modulus, density of states
Li3B14	crystal structure, space group, density of states, energy gap
Li5B4	crystal structure, band structure
Li6B19	energy gap
LiB12	total energy gain, lattice parameters, bulk modulus, density of states
LiB13	crystal structure
LiB6	energy gap
LiB6	preparation, crystal structure, conduction electron spin resonance
LiBO2	space group, lattice parameters, electron density
B -Li-Pd	
Li2Pd3B	solid solutions of Li in b-rhombohedral boron

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B -Li-Pt	
LiPt3B	preparation and structure
B -Lu	
LuB12	crystal strcuture, lattice parameters, resistivity, magnetic susceptibility, entropy, critical temperature of superconductivity
LuB12	crystal structure, lattice parameters, band structure, cluster energy levels
LuB2	entropy
LuB4	preparation, crystal structure, space group, lattice parameters
LuB66	further structure groups: crystal structure
B -Lu-Os	
LuOs3B2	space group
B -Rh-Lu	
LuRh4B4	crystal structure, critical temperature of superconductivity, chemical bond, critical temperatures of superconductivity, ferro- and antiferromagnetism, magnetic ordering, lattice parameters, resistivity, microhardness
B -Ru-Lu	
LuRuB2	crystal structure, space group, critical temperature of superconductivity
LuRuB4	crystal structure, magnetic ordering
B -Mg	
Mg2B14	preparation, crystalline structure, space group, lattice parameters, interatomic positions
Mg2B14	structure group of the orthorhombic MgAlB14-type borides: crystal structure, interatomic distances
MgB12	preparation, crystalline structure, entropy
MgB2	preparation, crystalline structure, band structure, entropy
MgB4	preparation, crystalline structure, entropy
MgB6	preparation, crystalline structure, band structure
B -Mn	
Mn2B	preparation, crystal structure, space group, lattice parameters
Mn3B4	preparation
Mn48B42	preparation, resonance ESR linewidth
Mn4B	preparation, crystal structure
MnB	preparation, band structure
MnB2	preparation, band structure
MnB23	preparation, crystal structure, hardness
MnB4	preparation, crystal structure
B -Mn-Y	
Y3MnB7	crystal structure, space group, lattice parameters
B -Mo	
Mo(1-x)B3	preparation, crystal structure
Mo2B	heat capacity of compounds with group Vb elements
Mo2B	preparation, crystal structure, band structure, critical temperature of superconductivity, heat capacity
Mo2B(5-y)	preparation, crystal structure, space group, lattice parameters, critical temperature of superconductivity
MoB	heat capacity of compounds with group Vb elements
MoB	preparation, crystal structure, band structure, electrical conductivity, enthalpy of formation
MoB2	heat capacity of compounds with group Vb elements

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MoB2	preparation, crystal structure, band structure, space group, lattice parameters, interatomic distances, superconductivity, heat capacity
MoB4	preparation, crystal structure
B -Mo-Ni	
Mo2NiB2	crystal structural change, crystal structure, space group, lattice parameters
B -Mo-Ti	
Mo(1-x)Ti(x)B2	physico-mechanical properties
B -Mo-U	
U2MoB6	preparation, crystalline structure
B -Mo-W	
Mo2WB2	crystal structure, space group, lattice parameters
B -N	
B12N2	alpha-rhombohedral boron structure group: crystal structure
B25N	alpha-tetragonal boron structure group: crystal structure
B36N24	molecular structure, lattice parameters
B36N24	crystal structure, interatomic distances, density of states, band structure, energy gap
B50N2	preparation, crystal structure, space group, lattice parameters
B6N	crystal structure, lattice parameters
B6N	alpha-rhombohedral boron structure group: crystal structure
B -Nb-N	
NbBN	phase diagram, preparation, structure
B -N -Ti	
TiB(x)N(1-x)	preparation, crystal structure, mechanical properties
B -Na	
Na3B20	crystal structure, space group, lattice parameters, density
NaB(0.8)B14	structure group of the orthorhombic MgAlB14-type borides: crystal structure, interatomic distances
NaB15	crystal structure, space group, lattice parameters, energy gap, density of states, conductivity, density
NaB6	preparation, crystalline structure, lattice parameters, band structure, g-factor, resistivity, stability limit, density,
NaB6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, Einstein temperature, band structure
B -Na-Pt	
Na3Pt9B5	preparation, crystalline structure
NaPt3B(1+x)	preparation, crystalline structure
B -Na-Th	
Na(x)Th(1-x)B6	preparation, crystalline structure
Na(x)Th(1-x)B6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure
B -Nb	
Nb2B3	preparation, crystal strucure, space group, lattice parameters, density
Nb2B5	critical temperature of superconductivity
Nb3B2	preparation, high temperature thermodynamic properties
Nb3B4	preparation, crystal strucure, space group, lattice parameters, density, high temperature thermodynamic properties
Nb5B6	preparation, crystal strucure, space group, lattice parameters, density, high temperature thermodynamic properties

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NbB	preparation, crystal strucure, band structure, space group, lattice parameters, density, high temperature thermodynamic properties
NbB2	preparation, crystal strucure, band structure, space group, lattice parameters, density, superconductivity transition temperature, irradiation induced damage rates, high temperature thermodynamic properties, thermal expansion, microhardness
B -Nb-V	
V(2-x)Nb(x)B3	crystal structure, space group, lattice parameters
B -Nd	
NdB4	crystal structure, space group, melting point, entropy, standard enthalpy of formation
NdB4	crystal structure, lattice parameters, thermal and electrical conductivity, resistivity, Hall coefficient, electron density, electron mobility
NdB6	reflectance spectrum
NdB6	preparation, lattice parameters, interatomic distances, vibrational frequencies, thermal expansion, reflection, Raman spectrum, entropy, melting point, microhardness, Debye temperature, Einstein temperature
NdB6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure
NdB66	further structure groups: crystal structure
B -Nd-Rh	
NdRh4B4	crystal structure, critical temperature of superconductivity, chemical bond, critical temperatures of superconductivity, ferro- and antiferromagnetism, magnetic ordering
B -Ni	
Ni2B	preparation, crystal structure
Ni3B	preparation, crystal structure
Ni4B3	crystal structure
NiB	preparation, crystal structure
NiB25	preparation, crystal structure
B -Ni-Pr	
Ni4PrB	preparation and compound structure
B -Ni-Y	
Ni4YB	preparation and compound structure
B -Np	
NpB12	preparation, crystalline structure, magnetic properties
NpB2	preparation, crystalline structure, magnetic properties
NpB4	preparation, crystalline structure, magnetic properties
NpB6	preparation, crystalline structure, magnetic properties
B -O	
B12O2	preparation, crystal structure, space group, lattice parameters, atomic positions, band structure, density of states, IR active phonon modes, phonon wavenumbers, thermal expansion, reflectivity, absorption, Raman spectrum, thermodynamic functions, heat capacity, thermoelastic properties, Grüneisen parameter, Debye temperature, bulk modulus, shear modulus, Young's modulus, sound velocity, microhardness, internal friction, thermal and electrical conductivity
B12O2	alpha-rhombohedral boron structure group: crystal structure
B2O	preparation, crystal structure, space group, lattice parameters, atomic distances, band structure, density, bulk modulus
B2O3	preparation, crystal structure, Raman spectra, band structure, phonon wavenumbers, IR absorbance, density, bulk moduli, shear moduli, sound velocity, melting point
B6O	preparation, crystal structure, space group, lattice parameters, atomic positions, band structure, density of states, IR active phonon modes, phonon wavenumbers, thermal expansion, reflectivity, absorption, Raman spectrum, thermodynamic functions, heat capacity, thermoelastic properties, Grüneisen parameter, Debye temperature, bulk modulus, shear modulus, Young's modulus, sound velocity, microhardness, internal friction, thermal and electrical conductivity
B6O	alpha-rhombohedral boron structure group: crystal structure
B7O	preparation, crystal structure
(BO)(x)	preparation, crystal structure, Raman spectra, paramagnetic centers

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B -Os	
Os2B3	crystal structure, band structure
OsB(1.2)	crystal structure
OsB(1.6)	crystal structure
OsB2	crystal structure
B -Os-Sc	
ScOsB2	crystal structure, critical temperature of superconductivity
B -Os-Th	
ThOs3B2	crystal structure, critical temperature of superconductivity
B -Os-U	
UOsB4	preparation, crystalline structure
U2OsB6	preparation, crystalline structure
B -Os-Y	
YOs3B2	crystal structure, critical temperature of superconductivity
YOsB2	crystal structure, critical temperature of superconductivity
B -P	
B6P	preparation, structure, chemical bond, space group, lattice parameters, interatomic distances, band structure, density of states, energy gap, activation energy for electrical conductivity, Mulliken effective charge, irradiation induced damage rates, force field constants, IR-active phonon modes, acoustic phonon cutoff, electrical conductivity, resistivity, Hall mobility, thermoelectric power, thermal conductivity, phonon mean free path, refractive index, dielectric constant, absorption and transmission spectra, Raman spectra, Debye temperature, density, melting point, diffusion coefficient of P, bulk modulus
B12P2	preparation, structure, chemical bond, space group, lattice parameters, interatomic distances, band structure, density of states, energy gap, activation energy for electrical conductivity, Mulliken effective charge, irradiation induced damage rates, force field constants, IR-active phonon modes, acoustic phonon cutoff, electrical conductivity, resistivity, Hall mobility, thermoelectric power, thermal conductivity, phonon mean free path, refractive index, dielectric constant, absorption and transmission spectra, Raman spectra, Debye temperature, density, melting point, diffusion coefficient of P, bulk modulus
B12P2	alpha-rhombohedral boron structure group: crystal structure
B13P2	preparation, structure, chemical bond, space group, lattice parameters, interatomic distances, band structure, density of states, energy gap, activation energy for electrical conductivity, Mulliken effective charge, irradiation induced damage rates, force field constants, IR-active phonon modes, acoustic phonon cutoff, electrical conductivity, resistivity, Hall mobility, thermoelectric power, thermal conductivity, phonon mean free path, refractive index, dielectric constant, absorption and transmission spectra, Raman spectra, Debye temperature, density, melting point, diffusion coefficient of P, bulk modulus
B5P3	preparation
B6P	alpha-rhombohedral boron structure group: crystal structure
B -Pd	
Pd3B	preparation, crystal structure, electrical conductivity
Pd5B2	preparation, crystal structure, electrical conductivity
B -Pm	
PmB4	crystal structure, space group, melting point
PmB4	crystal structure, lattice parameters, thermal and electrical conductivity
PmB6	preparation, crystal structure, melting point
B -Pr	
PrB4	crystal structure, space group, melting point, entropy, standard enthalpy of formation
PrB4	crystal structure, lattice parameters, thermal and electrical conductivity, resistivity, Hall coefficient, electron density, electron mobility
PrB6	Einstein temperature
PrB6	entropy, microhardness, melting point, thermal expansion, enthalpy of formation

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PrB6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure
B -Pr-Rh	
PrRh(4.8)B2	crystal structure, space group, lattice parameters, atomic positions, occupancies
B -Pt	
Pt2B	crystal structure
Pt3B	crystal structure
Pt4B	crystal structure
PtB	crystal structure
B -Pu	
PuB	preparation, crystalline structure
PuB12	preparation
PuB2	preparation, crystalline structure, entropy
PuB4	preparation, crystalline structure, entropy
PuB6	preparation, crystalline structure, entropy, band structure
PuB66	preparation, crystalline structure
B -Re	
Re3B	preparation
Re7B3	preparation
ReB2	preparation, band structure
B -Re-Tb	
Tb3ReB7	crystal structure, space group, lattice parameters
B -Re-Tm	
Tm3ReB7	crystal structure, space group, lattice parameters
B -Re-U	
U2ReB6	preparation, crystalline structure
B -Re-Y	
Y3ReB7	crystal structure, space group, lattice parameters
B -Rh	
Rh5B4	preparation, crystal structure, space group, lattice parameters
Rh7B3	preparation, crystal structure, electrical conductivity
RhB(1.1)	preparation, crystal structure, electrical conductivity, melting point, formation enthalpy
B -Rh-Ru-Y	
YRh(4-x)Ru(x)B4	density of states, crystal structure
B -Rh-Sm	
SmRh3B	preparation, crystal structure
SmRh4B4	crystal structure, critical temperature of superconductivity, chemical bond, critical temperatures of superconductivity, ferro- and antiferromagnetism, magnetic ordering
B -Rh-Th	
ThRh4B4	space group
ThRh4B4	crystal structure, critical temperature of superconductivity

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B -Rh-Tm	
TmRh4B4	crystal structure, critical temperature of superconductivity, chemical bond, critical temperatures of superconductivity, ferro- and antiferromagnetism, magnetic ordering
B -Rh-Y	
YRh4B4	critical temperature of superconductivity
YRh4B4	crystal structure, critical temperature of superconductivity
B -Rh-Yb	
YbRh3B	preparation, crystal structure
B -Ru	
Ru11B8	crystal structure
Ru2B3	crystal structure
Ru7B3	crystal structure, space group, lattice parameters, critical temperature of superconductivity
RuB(1.1)	crystal structure, melting point, formation enthalpy
RuB2	preparation, crystal structure, band structure
B -Ru-Sc	
ScRu4B4	preparation, critical temperature of superconductivity, entropy
B -Ru-Tb	
TbRuB4	crystal structure, magnetic ordering
B -Ru-Tm	
TmRuB4	crystal structure, magnetic ordering
B -Ru-U	
URu3B2	intermediate valence behavior
URuB4	preparation, crystalline structure
B -Ru-Y	
YRuB2	crystal structure, critical temperature of superconductivity
YRuB4	crystal structure, magnetic ordering
B -S	
(B2S3)(n)	preparation
B12S	alpha-rhombohedral boron structure group: crystal structure
B12S(2-x)	preparation, crystal structure, space group, lattice parameters, interatomic distances
B12S2	alpha-rhombohedral boron structure group: crystal structure
B2S2	preparation
B2S3	preparation, crystal structure, IR emission and absorption spectra
B4S	preparation
BS	preparation
(BS2)(n)	preparation
B -Sc	
ScB12	preparation, crystalline structure, band structure
ScB2	preparation, crystalline structure, band structure, entropy
ScB4	preparation
B -Se	
B12Se(2-x)B(x)	alpha-rhombohedral boron structure group: crystal structure

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B13Se	crystal structure, space group, lattice parameters, atomic positions
B2Se3	crystal structure, space group, lattice parameters, IR absorption maxima wavenumbers, density, melting point, glass softening temperature
B -Si	
B(12-x)Si(x)Si2	alpha-rhombohedral boron structure group: crystal structure
B14Si	beta-rhombohedral boron structure group: crystal structure
B36Si	beta-rhombohedral boron structure group: crystal structure
Si(1-x)B(x)	Peltier energy, activation energy of electrical conductivity, density of states, thermopower, optical gap, g-value, spin density, absorption coefficient, IR transmission
Si11B31	preparation, crystal structure
SiB(2.89)	crystal structure, lattice parameters, interatomic distances
SiB12	preparation, crystal structure
SiB14	crystal structure, lattice parameters, conductivity, resistivity, thermoelectric power, mobility, trap level, dielectric constants, thermal conductivity, density
SiB3	preparation, crystal structure, lattice parameters, Raman spectrum
SiB4	crystal structure, space group, lattice, resistivity, thermal conductivity, density, melting point, thermal expansion, microhardness, Young's modulus
SiB6	preparation, crystal structure, lattice parameters, resistivity, Hall effect, thermopower, Raman spectrum of amorphous SiB6, density, melting point, volume expansion coefficient, microhardness
SiB6	further structure groups: crystal structure
SiB6	orthorhombic SiB6 structure: crystal structure
B -Si-Tb	
TbB41Si(1.2)	magnetic susceptibility, magnetization, heat capacity
TbB41Si(1.2)	structure group of the REB50-type borides: preparation, crystal structure, space group, magnetization, magnetic susceptibility, specific heat
B -Si-Y	
YB(x)Si(1+y)	crystal structure, space group, lattice parameters, atomic positions, resistivity, Hall mobility, thermoelectric power
YB41Si(1.2)	structure group of the REB50-type borides: preparation, crystal structure, space group
YB44Si(1.0)	structure group of the REB50-type borides: preparation, crystal structure, space group
B -Sm	
SmB4	crystal structure, space group, melting point, entropy, microhardness
SmB4	crystal structure, lattice parameters, thermal and electrical conductivity
SmB6	phonon wavenumbers
SmB6	Einstein temperature
SmB6	preparation, lattice parameters, band structure, energy gap, magnetic moment, density of states, electrical resistivity, impurities and defects, thermal expansion, thermal vibrations, Debye temperature, phonon dispersion curve, phonon wavenumber, elastic constants, bulk modulus, electrical conductivity, Hall coefficient, carrier mobility, carrier concentration, permittivity spectra, thermoelectric power, magnetoresistance, magnetic susceptibility, optical conductivity, reflectivity spectrum, dielectric function, density, thermal conductivity, thermal expansion, heat capacity, Debye temperature, melting point, Einstein temperature, microhardness, entropy, work function,
SmB6	resistivity, Raman spectra, reflectivity, dielectric function,
SmB6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure, reflectivity spectrum
SmB66	energy gap, electrical conductivity, carrier concentration, Hall mobility, Seebeck coefficient, thermoelectirc power
SmB66	resistivity, reflectivity spectrum
SmB66	further structure groups: crystal structure
B -Sm-Yb	
Sm(1-x)Yb(x)B6	effective valence, optical absorption
B -Sr	
SrB6	crystal structure, space group, electron density, lattice parameters, band structure, density of states, energy gap, vibrational frequencies, entropy, IR diffuse reflectance spectrum, Raman spectrum, resistivity, density, melting point, thermal expansion, work function

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SrB6	reflectance spectrum
SrB6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure
B -Ta	
Ta2B	heat capacity of compounds with group Vb elements
Ta2B	preparation, crystal structure, band structure, heat capacity
Ta3B2	preparation, crystal structure
Ta3B4	preparation, crystal structure, lattice parameters, microhardness
Ta5B6	preparation, crystal structure, space group, lattice parameters, density
TaB	heat capacity of compounds with group Vb elements
TaB	preparation, crystal structure, lattice parameters, band structure, heat capacity, critical temperature for superconductivity, microhardness
TaB2	heat capacity of compounds with group Vb elements
TaB2	preparation, crystal structure, band structure, lattice parameters, heat capacity, thermal expansion, microhardness,
B -Tb	
TbB12	crystal structure, entropy, magnetic susceptibility, effective magnetic moments, paramagnetic Curie points
TbB12	crystal structure, lattice parameters, band structure, cluster energy levels
TbB25	crystal structure, space group, magnetic susceptibility
TbB4	preparation, crystal structure, space group, lattice parameters, phase transitions, magnetic susceptibility, melting point, microhardness, resistivity, thermoelectric power, Hall coefficient
TbB4	crystal structure, lattice parameters, thermal and electrical conductivity, resistivity, Hall coefficient, electron density, electron mobility, thermopower
TbB50	crystal structure, space group, lattice parameters, magnetic susceptibility, magnetization, heat capacity
TbB50	structure group of the REB50-type borides: preparation, crystal structure, space group, magnetization
TbB6	reflectivity spectrum
TbB6	reflectance spectrum
TbB6	phonon wavenumbers
TbB6	lattice parameters, force constants, vibrational modes, reflection and Raman spectra
TbB6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure, reflectivity spectrum
TbB66	lattice parameters, magnetic susceptibility
TbB66	further structure groups: crystal structure
B -Tc	
Tc3B	preparation
Tc7B3	preparation
TcB2	preparation, band structure
B -Th	
ThB4	preparation, crystalline structure, electronic structure, ESR spectra, lattice parameters, entropy, melting point, microhardness
ThB4	crystal structure, lattice parameters, thermal and electrical conductivity
ThB6	preparation, crystalline structure, electronic structure, ESR spectra,critical temperature of superconductivity, thermal expansion, entropy, microhardness
ThB6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure
ThB66	preparation, crystalline structure
ThB76	preparation, crystalline structure

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B -Th-U	
U(1-x)Th(x)B4	magnetic properties
B -Ti	
Ti2B5	preparation, crystal structure
Ti3B4	preparation, crystal structure, chemical bond
TiB	preparation, crystal structure, band structure, chemical bond
TiB2	preparation, crystal structure, band structure, chemical bond, electrical conductivity, space group, lattice parameters, inner lattice potential, work function, density of states, resistivity, Hall coefficient, carrier concentration, carrier mobility, deHaas-vanAlphen effect, irradiation-induced damage rates, thermal expansion coefficient, Young's modulus, sound velocity, phonon wavenumbers, heat capacity, formation enthalpy, thermal diffusivity, microhardness, density
TiB2	crystal strcuture
(B12)4B2Ti(x)	preparation, crystal strcuture
B -Tm	
TmB12	crystal strcuture, lattice parameters, resistivity, electrical conductivity, Neel temperature, Curie temperature, effective magnetic moments, magnetic susceptibility, entropy
TmB12	crystal structure, lattice parameters, band structure, cluster energy levels
TmB4	crystal structure, space group, lattice parameters, resitivity, melting point, microhardness
TmB4	crystal structure, lattice parameters, thermal and electrical conductivity, resistivity, Hall coefficient, electron density, electron mobility
TmB66	further structure groups: crystal structure
B -U	
UB12	preparation, crystalline structure, magnetic properties, space group, lattice parameters, entropy
UB12	crystal structure, lattice parameters, band structure, cluster energy levels
UB2	preparation, crystalline structure, magnetic properties, space group, lattice parameters, entropy
UB4	preparation, crystalline structure, magnetic properties, space group, lattice parameters, entropy, melting point, microhardness
UB4	crystal structure, lattice parameters, thermal and electrical conductivity
B -V	
V2B3	preparation, crystal structure, space group, lattice parameters, density, resistivity, microhardness
V3B2	heat capacity of compounds with group Vb elements
V3B2	preparation
V3B4	preparation, crystal structure, space group, lattice parameters, density, resistivity, microhardness, heat capacity
V5B6	preparation, crystal structure, space group, lattice parameters, density
V82B18	internal friction
V84B16	internal friction
V86B14	internal friction
VB	heat capacity of compounds with group Vb elements
VB	preparation, crystal structure, space group, lattice parameters, density, band structure, resistivity, microhardness, heat capacity
VB2	heat capacity of compounds with group Vb elements
VB2	preparation, crystal structure, band structure, space group, electrical conductivity, lattice parameters, density, resistivity, microhardness, heat capacity
B -W	
W2B	preparation, crystal structure, space group, lattice parameters, band structure, density, resistivity, critical temperature of superconductivity, microhardness, heat capacity
W2B5	preparation, crystal structure
WB	preparation, crystal structure, space group, lattice parameters, resistivity, microhardness
WB12	preparation, crystal structure
WB2	preparation, crystal structure, space group, lattice parameters, density, resistivity

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WB4	preparation, crystal structure
B -Y	
YB(66-x)	further structure groups: crystal structure, thermal conductivity
YB12	preparation, crystalline structure, magnetic susceptibility, density of states, critical temperature of superconductivity, entropy
YB12	crystal structure, lattice parameters, band structure, cluster energy levels
YB2	preparation, crystal structure, entropy
YB25	crystal structure, space group, lattice parameters
YB25	crystal structure, space group, lattice parameters
YB25	further structure groups: crystal structure
YB4	preparation, crystal structure, thermal and electrical conductivity, band structure, anisotropy of the Hass-vanAlphen frequencies, melting point, entropy, microhardness
YB4	crystal structure, lattice parameters, thermal and electrical conductivity, resistivity, Hall coefficient, electron density, electron mobility
YB50	preparation, crystal structure, space group, lattice parameters
YB50	crystal structure, lattice parameters, magnetic susceptibility, magnetization, heat capacity
YB50	structure group of the REB50-type borides: preparation, crystal structure, space group
YB56	further structure groups: crystal structure
YB6	preparation, crystal structure, magnetic susceptibility, electrical conductivity, electronic transport properties, electronic density of states, critical temperature of superconductivity, phonon density of states, electron tunneling, microhardness, melting point, entropy, thermal expansion
YB6	phonon wavenumbers
YB6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure
YB62	further structure groups: crystal structure
YB66	crystal structure, space group, lattice parameters, band structure, density of states, energy gap, interband transitions, optical absorption, photoconductivity, binding energies, impurities and defects, elastic moduli, sound velocity, resistivity, activation energies, Hall mobility, thermoelectric power, magnetoresistance, phonon frequencies, Raman spectrum, refractive index, dielectric constant, thermal conductivity, phonon mean free path, heat capacity, Debye temperature, density, acoustic phonon cutoff, acoustic attenuation, melting point, internal friction
YB66	further structure groups: crystal structure
B -Yb	
YbB12	crystal structure, thermal expansion, reflectivity spectrum, entropy, magnetic susceptibility, effective magnetic moments, paramagnetic Curie points
YbB12	crystal structure, lattice parameters, band structure, cluster energy levels
YbB4	crystal structure, space group, lattice parameters, density, resistivity, melting point
YbB4	crystal structure, lattice parameters, thermal and electrical conductivity
YbB6	thermoelectric power, electrical conductivity, resistivity, reflectivity spectrum, carrier concentration
YbB6	reflectance spectrum
YbB6	phonon wavenumbers
YbB6	Einstein temperature
YbB6	resistivity
YbB6	preparation, crystal structure, space group, lattice parameters, interatomic distances, energy gap, optical transition energies, absorption spectrum, effective mass of electrons, impurities and defects (lattice parameters and carrier concentration), vibrational frequencies, thermal expansion, phonon dispersion curves, force constants, phonon wavenumbers, elastic constants, bulk modulus conductivity, resistivity, thermopower, Hall coefficient, reflectivity, dielectric function, Raman spectra, lattice dielectric constant, density, microhardness, Debye temperature, specific heat, melting point, work function, magentic moment, magnetic susceptibility, Curie temperature
YbB6	crystal structure, lattice parameters, force constants, work function, effective magnetic moment, phonon frequencies, thermal conductivity, magnetic susceptibility, vibrational wavenumbers, resistivity, thermopower, Einstein temperature, band structure, reflectivity spectrum
YbB66	energy gap, electrical conductivity, thermoelectric power, carrier concentration, Hall mobility, Seebeck coefficient
YbB66	further structure groups: crystal structure

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B -Zn	
B48B2Zn2	alpha-tetragonal boron structure group: crystal structure
ZnB22	crystal structure, resistivity, optical transmission, density, microhardness, magnetic susceptibility
B -Zr	
ZrB	critical temperature of superconductivity, band structure
ZrB12	preparation, crystal structure, Curie temperature, critical temperature for superconductivity
ZrB2	preparation, crystal structure, space group, band structure, electrical conductivity, space group, interatomic distances, activation energy of chemical reaction, electronic density of states, resistivity, Hall coefficient, carrier mobility and concentration, heat capacity, thermal diffusivity
Bi-Co-Sb	
CoSb(3-x)Bi(x)	doping and ternary phases of transition element tripnictides: solubility
Bi-Ir	
IrBi2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
Bi-Ir-S	
IrBiS	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
Bi-Ir-Se	
IrBiSe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
Bi-Ir-Te	
IrBiTe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
Bi-Os-Se	
OsBiSe	physical properties
OsBiSe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
Bi-Pt	
PtBi2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
PtBi2	interatomic distances in pyrite- and pararammelsbergite-type transition element dipnictides
Bi-Pt-Sb	
PtSbBi	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
Bi-Rh	
RhBi2	physical properties
RhBi2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
RhBi2	interatomic distances for binary arsenopyrite-type phases of transition element dipnictides
Bi-Rh-S	
RhBiS	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
Bi-Rh-Se	
RhBiSe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
Bi-Rh-Te	
RhBiTe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
Bi-Ru-Se	
RuBiSe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
C -Mo	
Mo2C	heat capacity of compounds with group Vb elements
MoC	heat capacity of compounds with group Vb elements

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C -Nb	
Nb2C	heat capacity of compounds with group Vb elements
NbC	heat capacity of compounds with group Vb elements
C -Ta	
Ta2C	heat capacity of compounds with group Vb elements
TaC	heat capacity of compounds with group Vb elements
C -V	
V2C	heat capacity of compounds with group Vb elements
VC	heat capacity of compounds with group Vb elements
Ce-Fe-P	
CeFe4P12	crystal structure, chemical bond of transition element tripnictides
Ce-Fe-Sb	
CeFe4Sb12	crystal structure, chemical bond of transition element tripnictides
Ce-H	
CeH(x)	crystal structure, physical properties
CeD(x)	crystal structure
Ce-S	
Ce2S3	crystal structure, physical properties
CeS2	crystal structure, physical properties
Ce-Se	
Ce2Se3	crystal structure, physical properties
Ce-Te	
Ce2Te3	crystal structure, physical properties
Cl-Gd	
Gd2Cl3	crystal structure, physical properties
Cl-La	
La2Cl3	crystal structure, physical properties
Cl-Lu	
Lu2Cl3	crystal structure, physical properties
Cl-Tb	
Tb2Cl3	crystal structure, physical properties
Cl-Tm	
Tm2Cl3	crystal structure, physical properties
Cl-Y	
Y2Cl3	crystal structure, physical properties
B -Co	
Co3B	preparation, crystal structure, band structure
Co-Cu-Sb	
Co(1-x)Cu(x)Sb3	crystal structure, chemical bond of transition element tripnictides

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Co-Fe-Sb	
Co(1-x)Fe(x)Sb3	doping and ternary phases of transition element tripnictides: solubility, resistivity, thermopower
Fe(1-x)Co(x)Sb2	physical properties
Co-Ge-S	
Co2Ge3S3	crystal structure, chemical bond of transition element tripnictides
CoGe(1.5)S(1.5)	crystallographic and physical data for semiconducting skutterudite-type pseudo-pnictides
Co-Ge-Sb	
CoSb(3-x)Ge(x)	crystal structure, chemical bond of transition element tripnictides
Co-Ge-Se	
Co2Ge3Se3	crystal structure, chemical bond of transition element tripnictides
CoGe(1.5)Se(1.5)	crystallographic and physical data for semiconducting skutterudite-type pseudo-pnictides
Co-Mn-P	
Mn(1/2)Co(1/2)P2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
Co-Ni-Sb	
Co(1-x)Ni(x)Sb2	physical properties
Co(1-x)Ni(x)Sb3	doping and ternary phases of transition element tripnictides: solubility, resistivity, electron mobility, microhardness, thermoelectric power
Co(1-x)Ni(x)Sb3	physical data for skutterudite-type semiconductors: energy gap, resistivity, electrical conductivity, thermoelectric power, mass susceptibility
Co-O	
Co3O4	band structure energies
Co3O4	crystal structure, lattice parameters, Debye temperature
Co3O4	electrical conductivity, Seebeck coefficient
Co3O4	magnetic properties
CoO	band structure, energy gap, interband transition energies
CoO	defects
CoO	elastic moduli, Debye temperature
CoO	electrical conductivity, Seebeck coefficient
CoO	hole mobility
CoO	magnetic properties
CoO	optical properties, dielectric constants
CoO	phase diagram, crystal structure, lattice parameters
CoO	phonon wavenumbers
Co-P	
CoP2	physical properties
CoP2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
CoP3	crystallographic data for semiconducting skutterudite-type compounds TX3: lattice parameters, space group, atomic positions, density
CoP3	physical data for skutterudite-type semiconductors: energy gap, resistivity, electrical conductivity, thermoelectric power, mass susceptibility
Co-P -S	
CoPS	physical properties
CoPS	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, density, energy gap, Seebeck coefficient
Co-P -Se	
CoPSe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient

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CoPSe	physical properties
Co-Pb-Sb	
CoSb(3-x)Pb(x)	crystal structure, chemical bond of transition element tripnictides
Co-S -Sb	
CoSbS	physical properties
CoSbS	crystal structure, chemical bond
CoSbS	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
CoSbS	crystallographic data for ternary marcasite-type semiconductors: lattice parameters, space group, density
CoSb2	crystal structure, physical properties
CoSb2	crystal structure, chemical bond of transition element dipnictides
CoSb2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
CoSb2	interatomic distances for binary arsenopyrite-type phases of transition element dipnictides
CoSb3	crystal structure, chemical bond of transition element tripnictides
CoSb3	crystallographic data for semiconducting skutterudite-type compounds TX3: lattice parameters, space group, atomic positions, density
CoSb3	physical data for skutterudite-type semiconductors: energy gap, resistivity, electrical conductivity, thermoelectric power, mass susceptibility
Co-Sb-Se	
CoSb(3-x)Se(x)	crystal structure, chemical bond of transition element tripnictides
CoSbSe	physical properties
CoSbSe	crystallographic data for ternary marcasite-type semiconductors: lattice parameters, space group, density
Co-Sb-Si	
CoSb(3-x)Si(x)	crystal structure, chemical bond of transition element tripnictides
Co-Sb-Sn	
CoSb(3-x)Sn(x)	physical properties
Co-Sb-Te	
CoSb(2-x)Te(x)	physical properties
CoSb(3-x)Te(x)	physical properties
CoSbTe	physical properties
CoSbTe	crystallographic data for ternary marcasite-type semiconductors: lattice parameters, space group, density
Co-Sb-Ti	
Co(1-x)Ti(x)Sb3	crystal structure, chemical bond of transition element tripnictides
Co-Sb-Zn	
Co(1-x)Zn(x)Sb3	crystal structure, chemical bond of transition element tripnictides
Cr-Fe-Sb	
Cr(1-x)Fe(x)Sb2	physical properties
Cr-O	
Cr(x)O(y)	crystal structure, general characterization
Cr2O3	band structure, energy gap
Cr2O3	crystal structure, lattice parameters
Cr2O3	hole mobility, pressure dependence of transport parameters
Cr2O3	magnetic properties
Cr2O3	optical properties, dielectric constants

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Cr2O3	phonon wavenumbers, elastic moduli
Cr2O3	thermal expansion, density, melting point
Cr2O3	transport (effect of dopants)
Cr2O3	transport mechanism, conductivity
CrO2	character of outer d-electrons: bandwidth, electrostatic correlation energies, crystallographic phase changes and semiconductor-metal transitions
Cr-O –V	
Cr(x)V(1-x)O2	conductivity, thermopower
Cr-P	
CrP4	crystal structure, chemical bond of transition metal tetraphosphides
Cr-Re-Si	
Re(1-x)Cr(x)Si2	physical properties
Cr-S	
Cr2S3	crystal structure, physical properties
Cr2S3	crystal structure, chemical bond, general characterization
CrS	crystal structure, physical properties
CrS	crystal structure, chemical bond, general characterization
Cr-Sb	
CrSb2	physical properties
CrSb2	crystal structure, chemical bond of transition element dipnictides
CrSb2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
CrSb2	interatomic distances in marcasite- and loellingite-type transition element dipnictides
Cr-Se	
CrSe	crystal structure, physical properties
Cr(2+x)Se3	crystal structure, physical properties
Cr2Se3	crystal structure, chemical bond, general characterization
Cr3Se4	crystal structure, physical properties
Cr3Se4	crystal structure, chemical bond, general characterization
Cr-Si	
CrSi2	crystal structure of CrSi2 and other TSi2 phases
CrSi2	density, melting point
CrSi2	electronic properties
CrSi2	lattice parameters of CrSi2 phases
CrSi2	magnetic properties
CrSi2	physical properties of CrSi2-type ternary alloys
CrSi2	transport properties
Cr-Te	
Cr(1-x)Te	crystal structure, physical properties
Dy-H	
DyH3	crystal structure
Dy-O	
Dy2O3	crystal structure, physical properties

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Dy-S	
Dy2S3	crystal structure, physical properties
Dy-Se	
Dy2Se3	crystal structure, physical properties
Er-H	
ErH3	crystal structure
ErD(x)	crystal structure, physical properties
Er-O	
Er2O3	crystal structure, physical properties
Er-P	
ErP	crystal structure, physical properties
Er-S	
Er2S3	crystal structure, physical properties
Eu-H	
EuH2	crystal structure, physical properties
Eu-O	
Eu2O3	crystal structure, physical properties
EuO	crystal structure, physical properties
Eu-S	
Eu3S4	crystal structure, physical properties
EuS	crystal structure, physical properties
Eu-Se	
Eu2Se3	physical properties
Eu3Se4	physical properties
EuSe	crystal structure, physical properties
Eu-Se-Tm	
Tm(1-x)Eu(x)Se	crystal structure, physical properties
Eu-Te	
Eu3Te4	crystal structure, physical properties
EuTe	crystal structure, physical properties
F -O -V	
VO(2-x)F(x)	conductivity
Fe-Ni-Sb	
Fe(1/2)Ni(1/2)Sb2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
Fe(1/2)Ni(1/2)Sb2	interatomic distances in marcasite- and loellingite-type transition element dipnictides
Fe(1/2)Ni(1/2)Sb3	crystal structure, chemical bond of transition element tripnictides
Fe(1/2)Ni(1/2)Sb3	crystallographic data for semiconducting skutterudite-type compounds TX3: lattice parameters, space group, atomic positions, density
Fe(1-x)Ni(x)Sb2	physical properties
Fe-O	
Fe2O3	peak energies in optical spectra
Fe2O3	phonon wavenumbers

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Fe2O3	Seebeck coefficient, carrier mobilities in pure Fe2O3
Fe2O3	transport properties in doped Fe2O3
Fe2O3	band structure
Fe2O3	carrier concentration, electrical conductivity in pure Fe2O3
Fe2O3	defects in pure Fe2O3
Fe2O3	general characterization, crystal structure, lattice parameters
Fe2O3	magnetic properties
Fe2O3	melting point, density
Fe2O3	optical properties, dielectric constants
Fe3O4	band structure
Fe3O4	crystal structure, high temperature phase
Fe3O4	crystal structure, lattice parameters, low temperature phase
Fe3O4	defect equilibria
Fe3O4	electrical conductivity
Fe3O4	heat capacity, Debye temperature
Fe3O4	influence of substitution
Fe3O4	lattice parameters, thermal expansion, density, high temperature phase
Fe3O4	magnetic properties
Fe3O4	magnetoresistance, Hall effect data
Fe3O4	optical properties, dielectric constants
Fe3O4	phonon dispersion, phonon wavenumbers
Fe3O4	Seebeck coefficient
Fe3O4	character of outer d-electrons: bandwidth, electrostatic correlation energies, crystallographic phase changes and semiconductor-metal transitions
FeO (Fe(1-x)O)	band structure
FeO (Fe(1-x)O)	carrier mobility
FeO (Fe(1-x)O)	conductivity
FeO (Fe(1-x)O)	defects
FeO (Fe(1-x)O)	elastic moduli, Debye temperature
FeO (Fe(1-x)O)	lattice parameters, density
FeO (Fe(1-x)O)	magnetic properties
FeO (Fe(1-x)O)	optical properties, dielectric constant
FeO (Fe(1-x)O)	phase diagram, crystal structure
FeO (Fe(1-x)O)	phonon dispersion, phonon wavenumbers
FeO (Fe(1-x)O)	Seebeck coefficient
Fe-O -V	
Fe(x)V(1-x)O2	conductivity, thermopower
Fe-P	
FeP2	physical properties
FeP2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
FeP2	interatomic distances in marcasite- and loellingite-type transition element dipnictides
FeP4	physical properties

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FeP4	crystal structure, chemical bond of transition metal tetraphosphides
FeP4	crystallographic data for the transition-element tetraphosphides
FeP4	interatomic distances in transition element tetraphosphides
Fe-P -S	
FePS	physical properties
FePS	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
Fe-P -Se	
FePSe	physical properties
FePSe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
Fe-P -Th	
ThFe4P12	crystal structure, chemical bond of transition element tripnictides
Fe-S	
Fe3S4	crystal structure, chemical bond, general characterization
Fe7S8	crystal structure, chemical bond, general characterization
FeS2	crystal structure, chemical bond, general characterization
Fe(1-x)S	crystal structure, physical properties
FeS	crystal structure, chemical bond, general characterization
FeS(1-x)	crystal structure, chemical bond, general characterization
FeS	character of outer d-electrons: bandwidth, electrostatic correlation energies, crystallographic phase changes and semiconductor-metal transitions
FeS2	crystal structure, physical properties
FeS2	crystal structure, chemical bond, general characterization
Fe-Sb	
FeSbS	crystal structure
FeSbS	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
FeSb2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
FeSb2	interatomic distances in marcasite- and loellingite-type transition element dipnictides
Fe-Sb-Se	
FeSbSe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
Fe-Sb-Te	
FeSb(2-x)Te(x)	physical properties
FeSbTe	physical properties
FeSbTe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
Fe-Se	
FeSe	crystal structure, chemical bond, general characterization
Fe2Se3	crystal structure, chemical bond, general characterization
Fe7Se8	crystal structure, chemical bond, general characterization
Fe(1-x)Se	crystal structure, physical properties
FeSe(2-x)	crystal structure, physical properties
FeSe2	crystal structure, physical properties
FeSe2	crystal structure, chemical bond, general characterization

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Fe-Si	
FeSi2	coordination distances of the atoms in the orthorhombic phase
FeSi2	crystal structures of FeSi2 and other TSi2 phases
FeSi2	electronic properties
FeSi2	lattice parameters, density for FeSi2 phases
FeSi2	magnetic properties
FeSi2	optical properties, dielectric constants
FeSi2	phase transitions, Debye temperature, heat capacity, density
FeSi2	transport properties
Fe-Te	
Fe(1-x)Te	crystal structure, physical properties
FeTe2	crystal structure, physical properties
FeTe2	crystal structure, chemical bond, general characterization
Fe2Te3	crystal structure, chemical bond, general characterization
Ga-O -V	
Ga(x)V(1-x)O2	conductivity, thermopower
Gd-H	
GdH(x)	crystal structure, physical properties
Gd-O	
Gd2O3	crystal structure, physical properties
Gd-S	
Gd2S3	crystal structure, physical properties
Gd-Se	
Gd2Se3	crystal structure, physical properties
Ge-Ir-Se	
Ir2Ge3S3	crystal structure, chemical bond of transition element tripnictides
IrGe(1.5)S(1.5)	crystallographic and physical data for semiconducting skutterudite-type pseudo-pnictides
Ir2Ge3Se3	crystal structure, chemical bond of transition element tripnictides
IrGe(1.5)Se(1.5)	crystallographic and physical data for semiconducting skutterudite-type pseudo-pnictides
Ge-Os	
Os2Ge3	crystal structure, chemical bond of Os(n)Ge(2n-m) compounds
Os2Ge3	space group, lattice parameters, density (room temperature modification)
Ge-Pt-Se	
PtGeSe	crystal structure, chemical bond
Ge-Re-S	
ReGe(1.5)S(1.5)	crystallographic and physical data for semiconducting skutterudite-type pseudo-pnictides
Ge-Rh-S	
Rh2Ge3S3	crystal structure, chemical bond of transition element tripnictides
Ge-Rh-Se	
RhGe(1.5)Se(1.5)	crystallographic and physical data for semiconducting skutterudite-type pseudo-pnictides

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Ge-Ru	
Ru2Ge3	crystal structure, chemical bond of Ru(n)Ge(2n-m) compounds
Ru2Ge3	physical properties
Ru2Ge3	space group, lattice parameters, density (room temperature modification)
H -Ho	
HoH3	crystal structure
H -La	
LaH(x)	crystal structure, physical properties
LaD(x)	crystal structure, physical properties
H -Nd	
NdH(x)	crystal structure, physical properties
H -Pr	
PrH(x)	crystal structure, physical properties
H -Y	
YH(x)	crystal structure, physical properties
YD(x)	crystal structure, physical properties
H -Yb	
YbH(x)	crystal structure, physical properties
Hf-S	
Hf2S3	crystal structure, physical properties
Hf2S3	crystal structure, chemical bond, general characterization
HfS2	crystal structure, physical properties
HfS2	crystal structure, chemical bond, general characterization
HfS3	crystal structure, physical properties
Hf-Se	
Hf2Se3	crystal structure, physical properties
Hf2Se3	crystal structure, chemical bond, general characterization
HfSe2	crystal structure, physical properties
Ho-O	
Ho2O3	crystal structure, physical properties
Ho-S	
Ho2S3	crystal structure, physical properties
Ir-P	
IrP2	physical properties
IrP2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
IrP2	interatomic distances for binary arsenopyrite-type phases of transition element dipnictides
IrP3	crystallographic data for semiconducting skutterudite-type compounds TX3: lattice parameters, space group, atomic positions, density
IrP3	physical data for skutterudite-type semiconductors: energy gap, resistivity, electrical conductivity, thermoelectric power, mass susceptibility
Ir-P -S	
IrPS	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient

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Ir-P -Se	
IrPSe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
Ir-S	
IrS2	crystal structure, chemical bond, general characterization
IrS2	crystal structure, physical properties
IrS3	crystal structure, physical properties
Ir-S -Sb	
IrSbS	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
Ir-S -Sn	
Ir2Sn3S3	crystal structure, chemical bond of transition element tripnictides
IrSn(1.5)S(1.5)	crystallographic and physical data for semiconducting skutterudite-type pseudo-pnictides
Ir-Sb	
IrSb2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
IrSb2	interatomic distances for binary arsenopyrite-type phases of transition element dipnictides
IrSb3	crystal structure, chemical bond of transition element tripnictides
IrSb3	crystallographic data for semiconducting skutterudite-type compounds TX3: lattice parameters, space group, atomic positions, density
IrSb3	physical data for skutterudite-type semiconductors: energy gap, resistivity, electrical conductivity, thermoelectric power, mass susceptibility
Ir-Sb-Se	
IrSbSe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
Ir-Sb-Te	
IrSbTe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
Ir-Se	
IrSe2	crystal structure, chemical bond, general characterization
Ir2/3Se2	crystal structure, physical properties
Ir2Se3	crystal structure, physical properties
IrSe2	crystal structure, physical properties
La-O	
La2O3	crystal structure, physical properties
La-O -S	
La10S14O, La10S14O(x)S(1-x)	crystal structure
La-P	
LaP	crystal structure, physical properties
La-S	
La2S3	crystal structure, physical properties
LaS2	crystal structure, physical properties
La-Se	
La2Se3	crystal structure, physical properties
La-Te	
La2Te3	crystal structure, physical properties
LaTe2	crystal structure, physical properties

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LaTe3	crystal structure, physical properties
Lu-P	
LuP	crystal structure, physical properties
Lu-S	
Lu2S3	crystal structure, physical properties
Mn-O	
Mn2O3	electrical conductivity, Seebeck effect
Mn2O3	lattice parameters of doped Mn2O3
Mn2O3	magnetic properties
Mn2O3	phase diagram, crystal structure, lattice parameters of high temperature phase
Mn2O3	phase diagram, crystal structure, lattice parameters of low temperature phase
Mn3O4	lattice parameters
Mn3O4	magnetic properties
Mn3O4	optical properties
Mn3O4	phase transition, crystal structure, entropy, enthalpy
Mn3O4	transport properties
Mn3O4	character of outer d-electrons: bandwidth, electrostatic correlation energies, crystallographic phase changes and semiconductor-metal transitions
MnO	band structure, energy gap
MnO	dielectric constants, refractive index
MnO	elastic moduli, Debye temperature
MnO	lattice defects
MnO	magnetic properties
MnO	melting point, free energy
MnO	optical properties
MnO	phase diagram, crystal structure, lattice parameters
MnO	phonon dispersion, phonon wavenumbers
MnO	transport data, effects of stoichiometry, doping
MnO	transport data, high temperatures
MnO	transport data, low and intermediate temperatures
MnO	character of outer d-electrons: bandwidth, electrostatic correlation energies, crystallographic phase changes and semiconductor-metal transitions
MnO2	density, heat capacity, thermodynamic data
MnO2	magnetic properties
MnO2	phase diagram, crystal structure, lattice parameters
MnO2	transport properties
Mn-P	
MnP4	crystal structure, chemical bond of transition metal tetraphosphides
MnP4	crystallographic data for the transition-element tetraphosphides
MnP4	interatomic distances in transition element tetraphosphides
MnP4	physical properties
Mn-Re-Si	
Re(1-x)Mn(x)Si2	physical properties

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Mn-S	
MnS	crystal structure, physical properties
MnS	general characterization, crystal structure, Hall coefficient,
MnS2	crystal structure, physical properties
MnS2	general characterization, crystal structure
Mn-Se	
MnSe	crystal structure, physical properties
MnSe	general characterization, crystal structure, thermopower, resistivity, hole mobility
Mn-Si	
Mn(n)Si(2n-m)	coordination distances of Mn11Si19
Mn(n)Si(2n-m)	coordination distances of Mn15Si26
Mn(n)Si(2n-m)	coordination distances of Mn4Si7
Mn(n)Si(2n-m)	energy gap, effective masses of Mn11Si19, Mn26Si45
Mn(n)Si(2n-m)	general characterization
Mn(n)Si(2n-m)	general remarks on structure, chemical bond
Mn(n)Si(2n-m)	magnetic properties of Mn27Si47
Mn(n)Si(2n-m)	physical properties of doped and ternary Mn(n)Si(2n-m) phases
Mn(n)Si(2n-m)	physical properties of Mn15Si26
Mn(n)Si(2n-m)	physical properties of Mn27Si47 (except magnetic properties)
Mn(n)Si(2n-m)	space group, lattice parameters of Mn(n)Si(m-n) and (Mn(1-x)T(x))nSi(2n-m) systems
Mn(n)Si(2n-m)	transport and optical properties of Mn11Si19, Mn26Si45
Mn-Te	
MnTe	crystal structure, physical properties
MnTe	general characterization, crystal structure
MnTe2	crystal structure, physical properties
MnTe2	general characterization, crystal structure
Mo	
Mo	heat capacity of compounds with group Vb elements
Mo-O	
MoO3	defects
MoO3	electronic and ionic conductivity
MoO3	electronic properties (calculated cluster energies)
MoO3	energy gap
MoO3	optical properties, dielectric constants
MoO3	phase diagram, crystal structure, lattice parameters, interatomic distances
MoO3	phonon wavenumbers
MoO3	photocurrent
MoO3	thermal expansion, density
Mo-O -V	
Mo(x)V(1-x)O2	conductivity

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Mo-P	
MoP4	crystal structure, chemical bond of transition metal tetraphosphides
Mo-Re-Si	
Re(1-x)Mo(x)Si2	physical properties
Mo-S	
MoS2	crystal structure, physical properties
MoS2	crystal structure, chemical bond, general characterization
Mo-Se	
MoSe2	crystal structure, physical properties
MoSe2	crystal structure, chemical bond, general characterization
Mo-Te	
MoTe(2-x)	crystal structure, physical properties
MoTe(2-x)	crystal structure, chemical bond, general characterization
Nb	
Nb	heat capacity of compounds with group Vb elements
Nb-O	
Nb2O5	crystal structure, lattice parameters of M-Nb2O5
Nb2O5	crystal structure, lattice parameters of P-Nb2O5
Nb2O5	crystal structure, lattice parameters of R-Nb2O5
Nb2O5	crystal structure, lattice parameters, density of B-Nb2O5
Nb2O5	crystal structure, lattice parameters, density of H-Nb2O5
Nb2O5	crystal structure, lattice parameters, density of N-Nb2O5
Nb2O5	crystal structure, lattice parameters, density of T-Nb2O5
Nb2O5	crystal structure, lattice parameters, density of TT-Nb2O5
Nb2O5	defect and transport properties
Nb2O5	dielectric constants
Nb2O5	energy gap, optical properties
Nb2O5	parameters of H-T and B-T transition
Nb2O5	phase diagram, modifications
Nb2O5	wavenumbers of lattice modes
NbO2	band structure, optical spectra
NbO2	crystal structure, lattice parameters, density, low-temperature modification
NbO2	crystal structure, thermal expansion, high-temperature modification
NbO2	elastic moduli, Debye temperature
NbO2	magnetic properties
NbO2	phonon wavenumbers
NbO2	transport parameters
NbO2	transport properties and stoichiometry
Nb2O(5-x)	phase diagram, modifications
Nb12O29	phase diagram, modifications
Nb22O54	phase diagram, modifications

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Nb25O62	phase diagram, modifications
Nb32O79	phase diagram, modifications
Nb-O -V	
Nb(x)V(1-x)O2	conductivity
Nb-S	
NbS3	crystal structure, physical properties
NbS3	crystal structure, chemical bond, general characterization
Nb-Se	
NbSe3	crystal structure, chemical bond, general characterization
Nd-O	
Nd2O3	crystal structure, physical properties
Nd-S	
Nd2S3	crystal structure, physical properties
Nd-Se	
Nd2Se3	crystal structure, physical properties
Nd-Te	
Nd2Te3	crystal structure, physical properties
Ni-O	
NiO	band structure
NiO	carrier mobility, pure NiO
NiO	crystal structure
NiO	defects in pure NiO, conductivity
NiO	dielectric relaxation in Li doped NiO
NiO	elastic moduli, heat capacity, Debye temperature
NiO	lattice parameter, thermal expansion
NiO	magnetic properties
NiO	optical properties, dielectric constants
NiO	phonon dispersion, phonon wavenumbers
NiO	transport properties in Li doped NiO
NiO2	crystal structure
Ni2O3	crystal structure
Ni3O4	crystal structure
Ni-P	
NiP2	physical properties
NiP2	crystallographic data for the PdP2-type compounds with square-planar cation coordination: lattice parameters
NiP2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
NiP2	interatomic distances and bond angles for the PdP2-type compounds
Ni-S	
Ni(1-x)S	crystal structure, physical properties
Ni(1-x)S	crystal structure, chemical bond, general characterization
NiS2	crystal structure, physical properties

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NiS2	crystal structure, chemical bond, general characterization
Ni-Sb	
NiSb2	physical properties
NiSb2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
NiSb2	interatomic distances in marcasite- and loellingite-type transition element dipnictides
O -Pd	
PdO	crystal structure, lattice parameters, thermal expansion
PdO	energy gaps
PdO	enthalpy, entropy, dissociation pressure
PdO	magnetic properties
PdO	optical properties, dielectric constant
PdO	transport properties
O -Re-V	
Re(x)V(1-x)O2	conductivity
O -Sm	
Sm2O3	crystal structure, physical properties
O -Ta	
Ta2O5	crystal structure and related parameters of H-Ta2O5
Ta2O5	crystal structure and related parameters of L-Ta2O5
Ta2O5	energy gaps
Ta2O5	peaks in optical spectra
Ta2O5	refractive index, dielectric constants
Ta2O5	transport properties and non-stoichiometry
O -Tb	
Tb2O3	crystal structure, physical properties
O -Ti	
Ti(n)O(2n-1) (n>=3)	crystal structure of high-temperature phase (T > T(tr)) of Ti3O5
Ti(n)O(2n-1) (n>=3)	crystal structure of low-temperature phase (T < T(tr)) of Ti3O5
Ti(n)O(2n-1) (n>=3)	crystal structure of Ti4O7
Ti(n)O(2n-1) (n>=3)	crystal structure of Ti5O9
Ti(n)O(2n-1) (n>=3)	crystal structure of Ti6O11, Ti7O13, Ti8O15, Ti9O17
Ti(n)O(2n-1) (n>=3)	EPR spectra and defects in Ti3O5, Ti4O7
Ti(n)O(2n-1) (n>=3)	magnetic properties
Ti(n)O(2n-1) (n>=3)	optical properties
Ti(n)O(2n-1) (n>=3)	physical properties of V-doped Ti4O7
Ti(n)O(2n-1) (n>=3)	transport properties
Ti(x)O(y)	general characterization
Ti2O3	band structure, energy gap
Ti2O3	crystal structure, lattice parameters, density
Ti2O3	dielectric constants
Ti2O3	elastic moduli, Debye temperature

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Ti2O3	magnetic properties
Ti2O3	optical spectra
Ti2O3	properties of doped Ti2O3
Ti2O3	transport properties
Ti2O3	wavenumbers of lattice modes
Ti2O3	character of outer d-electrons: bandwidth, electrostatic correlation energies, crystallographic phase changes and semiconductor-metal transitions
TiO2	absorption spectra, energy-loss spectra in rutile
TiO2	band structure, band structure energies in rutile
TiO2	crystal structure, lattice parameters and related parameters of anatase
TiO2	crystal structure, lattice parameters and related parameters of brookite
TiO2	crystal structure, lattice parameters and related parameters of rutile
TiO2	defects in non-stoichiometric TiO(2-x) (rutile)
TiO2	dielectric constants in rutile
TiO2	elastic moduli, Debye temperature in rutile
TiO2	energy gap, further interband transitions in rutile
TiO2	ESR parameters of native defects in pure n-type TiO(2-x) (rutile)
TiO2	exciton binding energy in rutile
TiO2	native defects in pure n-type TiO(2-x) (rutile)
TiO2	paraelectric Curie temperature in rutile
TiO2	physical properties of anatase
TiO2	point defect thermodynamics in pure n-type TiO(2-x) (rutile)
TiO2	properties of impurity-doped rutile
TiO2	properties of vibrational and Raman modes in rutile
TiO2	thermodynamic parameters of phase transformation
TiO2	conductivity and defect distribution in non-stoichiometric TiO(2-x)
TiO2	electron mobility in non-stoichiometric TiO(2-x)
TiO2	resistivity vs. 1/T in non-stoichiometric TiO(2-x)
TiO2	transport properties in stoichiometric TiO2 (rutile)
TiO2	character of outer d-electrons: bandwidth, electrostatic correlation energies, crystallographic phase changes and semiconductor-metal transitions
Ti4O7	character of outer d-electrons: bandwidth, electrostatic correlation energies, crystallographic phase changes and semiconductor-metal transitions
O -Ti-V	
Ti(x)V(1-x)O2	conductivity
O -Tm	
Tm2O3	crystal structure, physical properties
O -V	
V(n)O(2n+1) (n>=3)	crystal structure of V3O7
V(n)O(2n+1) (n>=3)	crystal structure of V4O9
V(n)O(2n+1) (n>=3)	crystal structure of V6O13
V(n)O(2n+1) (n>=3)	physical properties
V(n)O(2n-1) (n>=3)	crystal structure of V3O5
V(n)O(2n-1) (n>=3)	crystal structure of V4O7

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V(n)O(2n-1) (n>=3)	crystal structure of V5O9
V(n)O(2n-1) (n>=3)	crystal structure of V6O11, V7O13, V8O15, V9O17
V(n)O(2n-1) (n>=3)	electronic and lattice properties, optical and magnetic data
V(n)O(2n-1) (n>=3)	thermal properties at T(tr)
V(n)O(2n-1) (n>=3)	transport properties
V2O3	anomalies of transformation heat in Cr and Al doped material
V2O3	characteristic peak energies in optical spectra
V2O3	crystal structure, lattice parameters of pure material, low-temperature phase
V2O3	crystal structure, lattice parameters of pure material, room-temperature phase
V2O(3+x)	magnetic phase diagram
V2O3	electronic properties
V2O3	interatomic distances and angles of pure material, room-temperature phase
V2O3	interatomic distances in pure material, low-temperature phase
V2O3	lattice parameters of Cr doped V2O3
V2O(3+x)	lattice parameters of Cr doped V2O3
V2O3	magnetic properties
V2O(3+x)	magnetic susceptibility, magnetic phase diagram
V2O3	optical properties
V2O3	phase transition data of pure material
V2O3	phonon wavenumbers, elastic moduli, Debye temperature
V2O3	properties of Cr and Al doped material (extended Cr- and Al-data)
V2O3	properties of Cr and Al doped material (interatomic distances and angles)
V2O3	transport properties, high-temperature phase, T > T(tr)
V2O3	transport properties, low-temperature phase, T < T(tr)
V2O(3+x)	transport properties, low-temperature phase, T < T(tr): resistivity
V2O3	character of outer d-electrons: bandwidth, electrostatic correlation energies, crystallographic phase changes and semiconductor-metal transitions
V2O5	band structure (cluster calculations and data)
V2O5	crystal structure, lattice parameters, density
V2O5	dielectric constants
V2O5	energy gap
V2O5	interatomic distances and angles, thermal expansion
V2O5	optical properties
V2O5	phonon wavenumbers
V2O5	transport properties for doped material
V2O(5-x)	resistivity
V2O5	transport properties, high temperature range
V2O5	transport properties, intermediate temperature range
V2O5	transport properties, low temperature range
V2O5	character of outer d-electrons: bandwidth, electrostatic correlation energies, crystallographic phase changes and semiconductor-metal transitions
VO	character of outer d-electrons: bandwidth, electrostatic correlation energies, crystallographic phase changes and semiconductor-metal transitions
VO2	coefficient of linear thermal expansion

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VO2, VO(2-x)	crystal structure, lattice parameters, high temperature phase
VO2	crystal structure, low temperature phase
VO2	effect of dopant ions on crystal structure
VO2	effective electron masses
VO2	electronic properties
VO2	Hall mobility
VO2	magnetic properties
VO2	optical properties, dielectric constants
VO2, VO(2-x)	phase transition data
VO2	phonon wavenumbers, Debye temperature, heat capacity
VO2	plasmon data
VO2, VO(2-x)	resistivity, conductivity, photoconductivity
VO2, VO(2-x)	Seebeck coefficient
VO2	thermal conductivity
VO2	transport in doped material
VO2	character of outer d-electrons: bandwidth, electrostatic correlation energies, crystallographic phase changes and semiconductor-metal transitions
V -W	
W(x)V2O5	refractive index
W(x)V2O5	Seebeck coefficient, conductivity
O -V -W	
W(x)V(1-x)O2	conductivity, thermopower
O -W	
W(x)O(y)	general characterization
WO3	band structure, energy gap
WO3	crystal structure, general remarks
WO3	defects
WO3	magnetic properties
WO3	optical properties, dielectric constants
WO3	phonon wavenumbers, Debye temperature
WO3	structural and related data of alpha-WO3
WO3	structural and related data of beta-WO3
WO3	structural and related data of gamma-WO3
WO3	structural and related data of orthorhombic WO3
WO3	structural data of tetragonal WO3
WO3	transport properties, general
WO3	transport properties, monoclinic phase
WO3	transport properties, reduced WO3
WO3	transport properties, triclinic phase
O -Yb	
Yb2O3	crystal structure, physical properties

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Os-P	
OsP2	physical properties
OsP2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
OsP2	interatomic distances in marcasite- and loellingite-type transition element dipnictides
OsP4	physical properties
OsP4	crystal structure, chemical bond of transition metal tetraphosphides
OsP4	crystallographic data for the transition-element tetraphosphides
Os-P -S	
OsPS	physical properties
OsPS	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
Os-P -Se	
OsPSe	physical properties
OsPSe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
Os-S	
OsS2	crystal structure, physical properties
OsS2	crystal structure, chemical bond, general characterization
Os-S -Sb	
OsSbS	physical properties
OsSbS	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
OsSb2	physical properties
OsSb2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
OsSb2	interatomic distances in marcasite- and loellingite-type transition element dipnictides
Os-Sb-Se	
OsSbSe	physical properties
OsSbSe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
Os-Sb-Te	
OsSb(2-x)Te(x)	physical properties
OsSbTe	physical properties
OsSbTe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
Os-Se	
OsSe2	crystal structure, physical properties
Os-Si	
Os2Si3	crystal structure, chemical bond of Os(n)Si(2n-m) compounds
Os2Si3	space group, lattice parameters, density (room temperature modification)
OsSi2	coordination distances of the atoms in the orthorhombic phase
OsSi2	crystal structures of OsSi2 and other TSi2 phases
OsSi2	physical properties
OsSi2	space group, lattice parameters
Os-Te	
OsTe2	crystal structure, physical properties

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P -Pd	
PdP2	physical properties
PdP2	crystal structure, chemical bond of transition element dipnictides
PdP2	crystallographic data for the PdP2-type compounds with square-planar cation coordination: lattice parameters
PdP2	interatomic distances and bond angles for the PdP2-type compounds
P Pd-S	
PdPS	crystal structure and related properties
PdPS	physical properties
PdPS	crystal structure, chemical bond
P -Pd-S -Se	
PdPS(1-x)Se(x)	physical properties
P -Pd-Se	
PdPSe	physical properties
PdPSe	crystal structure, chemical bond
P -Pt	
PtP2	physical properties
PtP2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
PtP2	interatomic distances in pyrite- and pararammelsbergite-type transition element dipnictides
P -Re	
ReP4	physical properties
ReP4	crystal structure, chemical bond of transition metal tetraphosphides
ReP4	crystallographic data for the transition-element tetraphosphides
ReP4	interatomic distances in transition element tetraphosphides
P -Rh	
RhP2	physical properties
RhP2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
RhP2	interatomic distances for binary arsenopyrite-type phases of transition element dipnictides
RhP3	crystallographic data for semiconducting skutterudite-type compounds TX3: lattice parameters, space group, atomic positions, density
RhP3	physical data for skutterudite-type semiconductors: energy gap, resistivity, electrical conductivity, thermoelectric power, mass susceptibility
P -Rh-S	
RhPS	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
P -Rh-Se	
RhPSe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
P -Ru	
RuP2	physical properties
RuP2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
RuP2	interatomic distances in marcasite- and loellingite-type transition element dipnictides
RuP4	physical properties
RuP4	crystal structure, chemical bond of transition metal tetraphosphides
RuP4	crystallographic data for the transition-element tetraphosphides
RuP4	interatomic distances in transition element tetraphosphides

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P -Ru-S	
RuPS	physical properties
RuPS	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
P -Ru-Se	
RuPSe	physical properties
RuPSe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
P -Ru-Th	
ThRu4P12	crystal structure, chemical bond of transition element tripnictides
P -Sm	
SmP	crystal structure, physical properties
P -Sm	
P -Tc	
TcP4	crystallographic data for the transition-element tetraphosphides
TcP4	interatomic distances in transition element tetraphosphides
P -Y	
YP	crystal structure, physical properties
Pd-S	
PdS	crystal structure, physical properties
PdS	crystal structure, chemical bond, general characterization
PdS2	crystal structure, physical properties
PdS2	crystal structure, chemical bond, general characterization
Pd-Sb	
PdSb2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
PdSb2	interatomic distances in pyrite- and pararammelsbergite-type transition element dipnictides
Pd-Se	
PdSe	crystal structure, physical properties
PdSe	crystal structure, chemical bond, general characterization
PdSe2	crystal structure, physical properties
PdSe2	crystal structure, chemical bond, general characterization
Pr-S	
Pr2S3	crystal structure, physical properties
PrS2	crystal structure, physical properties
Pr-Se	
Pr2Se3	crystal structure, physical properties
Pr-Te	
Pr2Te3	crystal structure, physical properties
Pt-S	
Pt(1-x)S2	crystal structure, physical properties
Pt(1-x)S2	crystal structure, chemical bond, general characterization
PtS	crystal structure, physical properties
PtS	crystal structure, chemical bond, general characterization

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Pt-Sb	
PtSb2	doping, metal substitution
PtSb2	electronic properties
PtSb2	lattice properties
PtSb2	magnetic properties
PtSb2	optical properties, dielectric constant
PtSb2	thermal conductivity
PtSb2	transport properties
PtSb2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
PtSb2	interatomic distances in pyrite- and pararammelsbergite-type transition element dipnictides
Pt-Se	
PtSe	crystal structure, chemical bond, general characterization
PtSe2	crystal structure, physical properties
PtSe2	crystal structure, chemical bond, general characterization
Rh-Sb	
RhSb2	crystal structure, physical properties
Re-S	
ReS	general characterization, crystal structure
ReS2	crystal structure, physical properties
Re-Se	
ReSe	general characterization, crystal structure
ReSe	general characterization, crystal structure
ReSe2	crystal structure, physical properties
Re-Si	
ReSi2	crystal structures of ReSi2 and other TSi2 phases
ReSi2	crystallographic data
ReSi2	physical properties
Re-Si-Ti	
Re(1-x)Ti(x)Si2	physical properties
Re-Te	
ReTe2	crystal structure, physical properties
Rh-S	
Rh2/3S2	crystal structure, physical properties
Rh2S3	crystal structure, physical properties
Rh2S3	crystal structure, chemical bond, general characterization
RhS3	crystal structure, physical properties
Rh-S -Sb	
RhSbS	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
RhSb2	crystal structure, chemical bond of transition element dipnictides
RhSb2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
RhSb2	interatomic distances for binary arsenopyrite-type phases of transition element dipnictides

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RhSb3	crystal structure, chemical bond of transition element tripnictides
RhSb3	crystallographic data for semiconducting skutterudite-type compounds TX3: lattice parameters, space group, atomic positions, density
RhSb3	physical data for skutterudite-type semiconductors: energy gap, resistivity, electrical conductivity, thermoelectric power, mass susceptibility
Rh-Sb-Se	
RhSbSe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
Rh-Sb-Te	
RhSbTe	crystallographic and physical data for pyrite-type derivatives: crystal structure, lattice parameters, energy gap, Seebeck coefficient
Rh-Se	
Rh2Se3	crystal structure, chemical bond, general characterization
RhSe(2-x)	crystal structure, chemical bond, general characterization
RhSe2	crystal structure, physical properties
RhSe3	crystal structure, physical properties
Ru-S	
RuS2	crystal structure, physical properties
RuS2	crystal structure, chemical bond, general characterization
Ru-S -Sb	
RuSbS	physical properties
RuSbS	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
RuSb2	physical properties
RuSb2	crystallographic data of transition-element dipnictides with octahedrally coordinated cations: space group, lattice parameters, density
RuSb2	interatomic distances in marcasite- and loellingite-type transition element dipnictides
Ru-Sb-Se	
RuSbSe	physical properties
RuSbSe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
Ru-Sb-Te	
RuSbTe	physical properties
RuSbTe	crystallographic data for the arsenopyrite-type compounds: lattice parameters, space group, density
Ru-Se	
RuSe2	crystal structure, physical properties
Ru-Si	
Ru2Si3	crystal structure, chemical bond of Ru(n)Si(2n-m) compounds
Ru2Si3	physical properties
Ru2Si3	space group, lattice parameters, density (room temperature modification)
Ru-Sn	
Ru2Sn3	crystal structure, chemical bond of Ru(n)Sn(2n-m) compounds
Ru2Sn3	physical properties
Ru2Sn3	space group, lattice parameters
Ru-Te	
RuTe2	crystal structure, physical properties
Se-Sm	
SmS(1-x)Se(x)	crystal structure, physical properties

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S -Sm	
Sm2S3	crystal structure, physical properties
Sm3S4	crystal structure, physical properties
SmS	crystal structure, physical properties
S -Ta	
TaS2	crystal structure, physical properties
TaS2	crystal structure, chemical bond, general characterization
TaS3	crystal structure, physical properties
S -Tb	
Tb2S3	crystal structure, physical properties
S -Tc	
TcS	general characterization, crystal structure
TcS2	crystal structure, physical properties
S -Ti	
Ti(1+x)S2	crystal structure, physical properties
TiS(3-x)	crystal structure, physical properties
TiS2	crystal structure, chemical bond, general characterization
S -Tm	
Tm2S3	crystal structure
S -V	
VS4	crystal structure, chemical bond, general characterization
S -W	
WS2	crystal structure, physical properties
WS2	crystal structure, chemical bond, general characterization
S -Yb	
Yb2S3	crystal structure, physical properties
YbS	crystal structure, physical properties
S -Zr	
Zr2S3	crystal structure, physical properties
Zr2S3	crystal structure, chemical bond, general characterization
ZrS(3-x)	crystal structure, physical properties
ZrS2	crystal structure, physical properties
ZrS2	crystal structure, chemical bond, general characterization
Se-Ti	
TiSe2	crystal structure, chemical bond, general characterization, band structure
Se-Sm	
Sm2Se3	crystal structure, physical properties
Sm3Se4	crystal structure, physical properties
SmSe	crystal structure, physical properties
Se-Ta	
TaSe2	crystal structure, chemical bond, general characterization

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Se-Tc	
TcSe	general characterization, crystal structure
TcSe2	crystal structure, physical properties
Sm-Te	
SmTe	crystal structure, physical properties
Se-Te-Tm	
TmSe(1-x)Te(x)	crystal structure, physical properties
Se-Ti	
Ti(1+x)Se2	crystal structure, physical properties
Se-Tm	
Tm2Se3	crystal structure, physical properties
Se-W	
WSe2	crystal structure, physical properties
Se-Yb	
YbSe	crystal structure, physical properties
Se-Zr	
Zr(1+x)Se2	crystal structure, physical properties
Zr2Se3	crystal structure, physical properties
ZrSe3	crystal structure, physical properties
ZrSe3	crystal structure, chemical bond, general characterization
Sm-Te	
Sm3Te4	crystal structure
Ta	
Ta	heat capacity of compounds with group Vb elements
Tc-Te	
TcTe	general characterization, crystal structure
TcTe2	crystal structure, physical properties
Te-Ti	
TiTe2	crystal structure, chemical bond, general characterization, band structure
Te-Tm	
Tm2Te3	crystal structure
TmTe	crystal structure, physical properties
Te-Yb	
YbTe	crystal structure, physical properties
V	
V	heat capacity of compounds with group Vb elements
Se-W	
WSe2	crystal structure, chemical bond, general characterization
Te-W	
WTe2	crystal structure, physical properties

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Non-Tetrahedrally Bonded Binary Compounds II
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