

boron compounds, general properties

general remarks on boron compounds
general remarks on structure and chemical bond
structure and chemical bond of icosahedral boron-rich structures
 α -rhombohedral boron structure group
 β -rhombohedral boron structure group
 α -tetragonal boron structure group
 β -tetragonal boron structure group (tetragonal II or III)
orthorhombic γ -AlB₁₂ structure group
orthorhombic SiB₆ structure
structure group of the REB₅₀ type borides
structure group of AlB₁₀/C₄AlB₂₄₋₂₆
structure group of the orthorhombic MgAlB₁₄-type borides
further structure groups
general papers on icosahedral boron-rich solids
structural properties of hexaborides with B₆ octahedra
structural properties of tetraborides with B₆ octahedra
structural properties of dodecaborides with B₁₂ cubo-octahedra
structural properties of compounds with other boride structures
general papers on borides

boron compounds with group I elements

- properties of boron-hydrogen alloys
- properties of binary boron-lithium compounds
- properties of ternary boron-lithium compounds
- properties of boron-sodium compounds
- properties of boron-potassium compounds
- properties of compounds with Ib elements

boron compounds with group II elements

- properties of boron-beryllium compounds
- properties of beryllium-aluminum-boron compounds
- properties of boron-magnesium compounds
- properties of boron-alkaline earth compounds
- properties of boron-zinc compounds
- properties of boron-cadmium compounds

boron compounds with group III elements

properties of Al-B-C compounds

properties of Al-B compounds: AlB_2 , AlB_4 , AlB_{10}

properties of Al-B: $\alpha\text{-AlB}_{12}$

properties of Al-B compounds: AlB_{31} , AlBeB_{22}

properties of $\alpha\text{-AlB}_{12}$ type compounds

properties of Al-Mg-B and Al-Cu-B compounds

properties of $\beta\text{-AlB}_{12}$

properties of $\gamma\text{-AlB}_{12}$

properties of Al_3B_{32} and $\text{Al}_x\text{B}_{105}$

properties of Al-C-B compounds

properties of $\text{Al}_3\text{C}_2\text{B}_{48}$, $\text{Al}_3\text{B}_{48}\text{C}_2$, $\text{C}_2\text{Al}_3\text{B}_{48}$, $\text{B}_{48}\text{Al}_3\text{C}_2$

properties of further ternary Al-B compounds

properties of boron-scandium compounds

properties of boron-yttrium and Ln_3MB_7 compounds (except YB_{66})

properties of boron-yttrium compounds: YB_{66}

boron compounds with lanthanides

general properties

properties of LaB_4 type compounds

properties of ternary LnAlB_4 tetraborides

properties of lanthanide hexaborides: LaB_6

properties of lanthanide hexaborides: CeB_6

properties of lanthanide hexaborides: PrB_6

properties of lanthanide hexaborides: NdB_6

properties of lanthanide hexaborides: PmB_6

properties of lanthanide hexaborides: SmB_6

properties of lanthanide hexaborides: EuB_6

properties of lanthanide hexaborides: GdB_6

properties of lanthanide hexaborides: TbB_6 , DyB_6

properties of lanthanide hexaborides: YbB_6

properties of lanthanide ternary hexaborides

properties of lanthanide dodecaborides

properties of lanthanide borides of the type MB_{25}

properties of lanthanide borides of the type MB_{50}

properties of lanthanide borides of the type MB_{66} : SmB_{66}

properties of lanthanide borides of the type MB_{66} : GdB_{66}

properties of lanthanide borides of the type MB_{66} : TbB_{66}

properties of lanthanide borides of the type MB_{66} : DyB_{66}

properties of lanthanide borides of the type MB_{66} : ErB_{66} , YbB_{66}

properties of MgAlB_{14} type orthorhombic borides with lanthanides

boron compounds with actinides

properties of boron-thorium compounds

properties of boron-uranium compounds

properties of boron-neptunium compounds

properties of boron-plutonium and americium compounds

properties of ternary actinide borides

boron compounds with group IV elements

B-C compounds: general properties of boron-carbon compounds

properties of special B-C compounds

boron carbide: structure, chemical bond, review articles

boron carbide: details of structure

boron carbide: electronic properties

boron carbide: impurities and defects

boron carbide: lattice properties

boron carbide: transport properties

boron carbide: optical properties

boron carbide: further properties

general papers on further properties of boron carbide

amorphous boron carbide

boron carbide doped with H, He, Mg, C, Si

boron carbide doped with N, P, O

boron carbide doped with Al

boron carbide doped with Ti, Cr, Fe

boron carbonitrides, ternary system boron-carbon-silicon

properties of boron-silicon compounds

properties of boron-germanium compounds

properties of boron-titanium compounds

properties of boron-zirconium compounds

properties of boron-hafnium compounds

boron compounds with group V elements

properties of boron-nitrogen compounds

properties of boron-phosphorus compounds

properties of boron-arsenic compounds

heat capacity of compounds with group Vb elements

properties of boron-vanadium compounds

properties of boron-niobium compounds

properties of boron-tantalum compounds

boron compounds with group VI elements

properties of boron-oxygen compounds: $(BO)_x$, B_2O_3

properties of boron-oxygen compounds: B_2O

properties of boron-oxygen compounds: B_6O , $B_{12}O_2$, B_7O

properties of boron-sulfur compounds

properties of boron-selenium compounds

properties of boron-chromium compounds

properties of boron-molybdenum compounds

properties of boron-tungsten compounds and boron uranium carbon compounds

boron compounds with group VII elements

- properties of compounds with group VIIa elements
- properties of boron-manganese compounds
- properties of boron-technetium compounds
- properties of boron-rhenium compounds

boron compounds with group VIII elements

- properties of boron-iron compounds
- properties of solid solutions of Fe in β -rhombohedral boron
- properties of boron-cobalt compounds
- properties of boron-nickel compounds
- properties of boron-ruthenium compounds
- properties of boron-rhodium compounds
- properties of boron-palladium compounds
- properties of boron-osmium compounds
- properties of boron-iridium compounds
- properties of boron-platinum compounds
- properties of ternary borides with group VIII elements

CoSb_{3-x}Sn_x

physical properties

CrSi₂

electronic properties

crystal structure of CrSi₂ and other TSi₂ phases

lattice parameters of CrSi₂ phases

transport properties

magnetic properties

density, melting point

physical properties of CrSi₂-type ternary alloys

Mn_nSi_{2n-m}

general characterization

general remarks on structure, chemical bond

space group, lattice parameters of Mn_nSi_{m-n} and (Mn_{1-x}T_x)_nSi_{2n-m} systems

coordination distances of Mn₁₁Si₁₉

coordination distances of Mn₁₅Si₂₆

coordination distances of Mn₄Si₇

energy gap, effective masses of Mn₁₁Si₁₉, Mn₂₆Si₄₅

transport and optical properties of Mn₁₁Si₁₉, Mn₂₆Si₄₅

physical properties of Mn₁₅Si₂₆

physical properties of Mn₂₇Si₄₇ (except magnetic properties)

magnetic properties of Mn₂₇Si₄₇

physical properties of doped and ternary Mn_nSi_{2n-m} phases

ReSi₂, Re_{1-x}M_xSi₂

physical properties

crystal structures of ReSi₂ and other TSi₂ phases

crystallographic data

Ru₂Si₃

physical properties

crystal structure, chemical bond of Ru_nSi_{2n-m} compounds

space group, lattice parameters, density: room temperature modification

Ru₂Ge₃

physical properties

crystal structure, chemical bond of Ru_nGe_{2n-m} compounds

space group, lattice parameters, density: room temperature modification

Ru₂Sn₃

physical properties

crystal structure, chemical bond of Ru_nSn_{2n-m} compounds

space group, lattice parameters

Os₂Si₃

crystal structure, chemical bond of Os_nSi_{2n-m} compounds

space group, lattice parameters, density: room temperature modification

Os₂Ge₃

crystal structure, chemical bond of Os_nGe_{2n-m} compounds

space group, lattice parameters, density: room temperature modification

FeSi₂

electronic properties

crystal structures of FeSi₂ and other TSi₂ phases

lattice parameters, density for FeSi₂ phases

coordination distances of the atoms in the orthorhombic phase

transport properties

optical properties, dielectric constants

magnetic properties

phase transitions, Debye temperature, heat capacity, density

OsSi₂

physical properties

crystal structures of OsSi₂ and other TSi₂ phases

space group, lattice parameters

coordination distances of the atoms in the orthorhombic phase

CrSb₂

physical properties

(transition metal)-V-VI compounds

crystal structure, chemical bond

crystallographic and physical data for pyrite-type derivatives

crystallographic data for ternary marcasite-type semiconductors

crystallographic data for the arsenopyrite-type compounds

$\text{Cr}_{1-x}\text{Fe}_x\text{Sb}_2$, $\text{Fe}_{1-x}\text{Cr}_x\text{As}_2$

physical properties

$\text{OsSb}_{2-x}\text{Te}_x$, $\text{CoSb}_{2-x}\text{Te}_x$

physical properties

$\text{NiAs}_{2-x}\text{S}_x$, $\text{NiAs}_{2-x}\text{Se}_x$

physical properties

$\text{CoSb}_{3-x}\text{Te}_x$, $\text{Fe}_x\text{Co}_{1-x}\text{As}_{3-x}\text{S}_x$, $\text{Fe}_x\text{Co}_{1-x}\text{As}_{3-x}\text{Se}_x$

physical properties

FePS

physical properties

FeAsS

physical properties

FeSbS

crystal structure

FePSe

physical properties

FeAsSe

physical properties

FeSbTe

physical properties

FeSb_{2-x}Te_x

physical properties

RuPS

physical properties

RuAsS

physical properties

RuSbS

physical properties

RuPSe

physical properties

RuAsSe

physical properties

RuSbSe

physical properties

RuAsTe

physical properties

RuSbTe

physical properties

OsPS

physical properties

OsAsS

physical properties

OsSbS

physical properties

OsPSe

physical properties

OAsSe

physical properties

OsSbSe

physical properties

OsBiSe

physical properties

OsAsTe

physical properties

OsSbTe

physical properties

CoPS

physical properties

CoAsS

crystal structure, physical properties

CoSbS

physical properties

CoPSe

physical properties

CoAsSe

crystal structure, physical properties

CoSbSe

physical properties

CoSbTe

physical properties

PdPS

crystal structure and related properties

physical properties

PdPSe

physical properties

PdPS_{1-x}Se_x

physical properties

TP₄ compounds

crystal structure, chemical bond of transition metal tetraphosphides

crystallographic data for the transition-element tetraphosphides

interatomic distances in transition element tetraphosphides

MnP₄

physical properties

ReP₄

physical properties

(transition metal)-V₂ compounds

crystal structure, chemical bond of transition element dipnictides

crystallographic data of transition-element dipnictides with octahedrally coordinated cations

interatomic distances in pyrite- and pararammelsbergite-type transition element dipnictides

interatomic distances in marcasite- and loellingite-type transition element dipnictides

interatomic distances for binary arsenopyrite-type phases of transition element dipnictides

crystallographic data for the PdP₂-type compounds with square-planar cation coordination

interatomic distances and bond angles for the PdP₂-type compounds

FeP₂

physical properties

FeAs₂

physical properties

physical properties of Se-doped material

Fe_{1-x}Co_xAs₂, Fe_{1-x}Ni_xAs₂,

physical properties

FeSb₂

physical properties

Fe_{1-x}Co_xSb₂, Fe_{1-x}Ni_xSb₂

physical properties

RuP₂

physical properties

RuPAs

physical properties

RuAs₂, RuSb₂

physical properties

OsP₂

physical properties

OsAs₂

physical properties

OsSb₂

physical properties

CoP₂

physical properties

CoAs₂

physical properties

Co_{1-x}Ni_xAs₂, Co_{1-x}Ni_xSb₂

physical properties

CoSb₂

crystal structure, physical properties

RhP₂

physical properties

RhAs₂

physical properties

RhAsSb

physical properties

RhSb₂

crystal structure, physical properties

RhBi₂

physical properties

IrP₂

physical properties

IrAs₂

physical properties

IrAsSb

physical properties

IrSb₂

structure, physical properties

NiP₂

physical properties

NiAs₂

physical properties

Ni_{1-x}Pd_xAs₂

crystal structure

NiSb₂

physical properties

PdP₂

physical properties

PdPAs

physical properties

PtP₂

physical properties

PtPAs

physical properties

PtAs₂

physical properties

PtSb₂

electronic properties

lattice properties

transport properties

optical properties, dielectric constant

magnetic properties

thermal conductivity

doping, metal substitution

(transition metal)-V₃ compounds

crystal structure, chemical bond of transition element tripnictides

crystallographic data for semiconducting skutterudite-type compounds TX₃

physical data for skutterudite-type semiconductors

(transition metal)-IV_{1.5}VI_{1.5} compounds

crystallographic and physical data for semiconducting skutterudite-type pseudo-pnictides

T_{1-x}T'_xV₃ compounds

doping and ternary phases of transition element tripnictides

FeP₄

physical properties

RuP₄

physical properties

OsP₄

physical properties

binary transition-metal oxides

considerations unique to transition-metal compounds

placement of d bands and formal valence

character of d electrons

titanium oxides

general characterization

titanium oxide (TiO₂)

thermodynamic parameters of phase transformation
crystal structure, lattice parameters and related parameters of anatase
crystal structure, lattice parameters and related parameters of rutile
crystal structure, lattice parameters and related parameters of brookite
band structure, band structure energies in rutile
energy gap, further interband transitions in rutile
exciton binding energy in rutile
properties of vibrational and Raman modes in rutile
paraelectric Curie temperature in rutile
elastic moduli, Debye temperature in rutile
absorption spectra, energy-loss spectra in rutile
dielectric constants in rutile
defects in non-stoichiometric TiO_{2-x} (rutile)
native defects in pure n-type TiO_{2-x} (rutile)
ESR parameters of native defects in pure n-type TiO_{2-x} (rutile)

(cont.)

point defect thermodynamics in pure n-type TiO_{2-x} (rutile)

transport properties in stoichiometric TiO_2 (rutile)

transport properties in non-stoichiometric TiO_{2-x} : conductivity and defect distribution

transport properties in non-stoichiometric TiO_{2-x} : resistivity vs. T^{-1}

transport properties in non-stoichiometric TiO_{2-x} : electron mobility

properties of impurity-doped rutile

physical properties of anatase

Ti₂O₃

crystal structure, lattice parameters, density

band structure, energy gap

optical spectra

wavenumbers of lattice modes

dielectric constants

elastic moduli, Debye temperature

transport properties

magnetic properties

properties of doped Ti₂O₃

Ti_nO_{2n-1} (n ≥ 3)

crystal structure of low-temperature phase ($T < T_{tr}$) of Ti₃O₅

crystal structure of high-temperature phase ($T > T_{tr}$) of Ti₃O₅

crystal structure of Ti₄O₇

crystal structure of Ti₅O₉

crystal structure of Ti₆O₁₁, Ti₇O₁₃, Ti₈O₁₅, Ti₉O₁₇

EPR spectra and defects in Ti₃O₅, Ti₄O₇

transport properties

optical properties

magnetic properties

physical properties of V-doped Ti₄O₇

V_nO_{2n-1} : $n \geq 3$

crystal structure of V_3O_5

crystal structure of V_4O_7

crystal structure of V_5O_9

crystal structure of V_6O_{11} , V_7O_{13} , V_8O_{15} , V_9O_{17}

electronic and lattice properties, optical and magnetic data

transport properties

thermal properties at T_{tr}

V_nO_{2n+1} : $n \geq 3$

crystal structure of V_6O_{13}

crystal structure of V_3O_7

crystal structure of V_4O_9

physical properties

V₂O₃

crystal structure, lattice parameters of pure material, room-temperature phase

interatomic distances and angles of pure material, room-temperature phase

crystal structure, lattice parameters of pure material, low-temperature phase

interatomic distances in pure material, low-temperature phase

phase transition data of pure material

properties of Cr and Al doped material: interatomic distances and angles

lattice parameters of Cr doped V₂O₃

anomalies of transformation heat in Cr and Al doped material

properties of Cr and Al doped material: extended Cr- and Al-data

electronic properties

phonon wavenumbers, elastic moduli, Debye temperature

transport properties, high-temperature phase, $T > T_{tr}$

transport properties, low-temperature phase, $T < T_{tr}$

optical properties

characteristic peak energies in optical spectra

magnetic properties

VO₂

crystal structure, low temperature phase
crystal structure, lattice parameters, high temperature phase
coefficient of linear thermal expansion
phase transition data
effect of dopant ions on crystal structure
electronic properties
phonon wavenumbers, Debye temperature, heat capacity
resistivity, conductivity, photoconductivity
Seebeck coefficient
Hall mobility
effective electron masses
plasmon data
thermal conductivity
transport in doped material
optical properties, dielectric constants
magnetic properties

V₂O₅

crystal structure, lattice parameters, density

interatomic distances and angles, thermal expansion

band structure: cluster calculations and data

energy gap

phonon wavenumbers

transport properties, low temperature range

transport properties, intermediate temperature range

transport properties, high temperature range

transport properties for doped material

optical properties

dielectric constants

MnO

phase diagram, crystal structure, lattice parameters

melting point, free energy

band structure, energy gap

phonon dispersion, phonon wavenumbers

elastic moduli, Debye temperature

lattice defects

transport data, low and intermediate temperatures

transport data, high temperatures

transport data, effects of stoichiometry, doping

optical properties

dielectric constants, refractive index

magnetic properties

FeO (Fe_{1-x}O)

phase diagram, crystal structure

lattice parameters, density

band structure

defects

phonon dispersion, phonon wavenumbers

elastic moduli, Debye temperature

conductivity

Seebeck coefficient

carrier mobility

optical properties, dielectric constant

magnetic properties

CoO

phase diagram, crystal structure, lattice parameters

band structure, energy gap, interband transition energies

phonon wavenumbers

elastic moduli, Debye temperature

defects

electrical conductivity, Seebeck coefficient

hole mobility

optical properties, dielectric constants

magnetic properties

NiO

crystal structure

lattice parameter, thermal expansion

band structure

phonon dispersion, phonon wavenumbers

elastic moduli, heat capacity, Debye temperature

defects in pure NiO, conductivity

carrier mobility, pure NiO

transport properties in Li doped NiO

dielectric relaxation in Li doped NiO

optical properties, dielectric constants

magnetic properties

PdO

crystal structure, lattice parameters, thermal expansion

enthalpy, entropy, dissociation pressure

energy gaps

transport properties

optical properties, dielectric constant

magnetic properties

Fe₃O₄

crystal structure, high temperature phase

lattice parameters, thermal expansion, density, high temperature phase

crystal structure, lattice parameters, low temperature phase

band structure

phonon dispersion, phonon wavenumbers

heat capacity, Debye temperature

defect equilibria

electrical conductivity

Seebeck coefficient

magnetoresistance, Hall effect data

influence of substitution

optical properties, dielectric constants

magnetic properties

Co₃O₄

crystal structure, lattice parameters, Debye temperature

band structure energies

electrical conductivity, Seebeck coefficient

magnetic properties

Mn₃O₄

phase transition, crystal structure, entropy, enthalpy

lattice parameters

transport properties

optical properties

magnetic properties

chromium sesquioxide (Cr₂O₃)

crystal structure, lattice parameters

thermal expansion, density, melting point

band structure, energy gap

phonon wavenumbers, elastic moduli

transport mechanism, conductivity

hole mobility, pressure dependence of transport parameters

transport: effect of dopants

optical properties, dielectric constants

magnetic properties

higher oxides of chromium

crystal structure, general characterization

hematite (α -Fe₂O₃)

general characterization, crystal structure, lattice parameters

melting point, density

band structure

peak energies in optical spectra

phonon wavenumbers

defects in pure Fe₂O₃

carrier concentration, electrical conductivity in pure Fe₂O₃

Seebeck coefficient, carrier mobilities in pure Fe₂O₃

transport properties in doped Fe₂O₃

optical properties, dielectric constants

magnetic properties

Mn₂O₃

phase diagram, crystal structure, lattice parameters of low temperature phase

phase diagram, crystal structure, lattice parameters of high temperature phase

lattice parameters of doped Mn₂O₃

electrical conductivity, Seebeck effect

magnetic properties

MnO₂

phase diagram, crystal structure, lattice parameters

density, heat capacity, thermodynamic data

transport properties

magnetic properties

Nb₂O₅

phase diagram, modifications

crystal structure, lattice parameters of R-Nb₂O₅

crystal structure, lattice parameters of P-Nb₂O₅

crystal structure, lattice parameters of M-Nb₂O₅

crystal structure, lattice parameters, density of N-Nb₂O₅

crystal structure, lattice parameters, density of H-Nb₂O₅

parameters of H-T and B-T transition

crystal structure, lattice parameters, density of B-Nb₂O₅

crystal structure, lattice parameters, density of T-Nb₂O₅

crystal structure, lattice parameters, density of TT-Nb₂O₅

energy gap, optical properties

dielectric constants

wavenumbers of lattice modes

defect and transport properties

NbO₂

crystal structure, lattice parameters, density, low-temperature modification

crystal structure, thermal expansion, high-temperature modification

band structure, optical spectra

phonon wavenumbers

elastic moduli, Debye temperature

transport properties and stoichiometry

transport parameters

magnetic properties

Ta₂O₅

crystal structure and related parameters of L-Ta₂O₅

crystal structure and related parameters of H-Ta₂O₅

energy gaps

transport properties and non-stoichiometry

peaks in optical spectra

refractive index, dielectric constants

MoO₃

phase diagram, crystal structure, lattice parameters, interatomic distances

thermal expansion, density

electronic properties: calculated cluster energies

energy gap

defects

phonon wavenumbers

electronic and ionic conductivity

photocurrent

optical properties, dielectric constants

tungsten oxides

general characterization

WO₃

crystal structure, general remarks

structural and related data of α -WO₃

structural and related data of β -WO₃

structural and related data of γ -WO₃

structural and related data of orthorhombic WO₃

structural data of tetragonal WO₃

band structure, energy gap

defects

phonon wavenumbers, Debye temperature

transport properties, general

transport properties, triclinic phase

transport properties, monoclinic phase

transport properties, reduced WO₃

optical properties, dielectric constants

magnetic properties

chalcogenides of Ti, Zr, Hf

crystal structure, chemical bond, general characterization

Ti_{1+x}S₂

crystal structure, physical properties

TiS_{3-x}

crystal structure, physical properties

Ti_{1+x}Se₂

crystal structure, physical properties

Zr₂S₃

crystal structure, physical properties

ZrS₂

crystal structure, physical properties

ZrS_{3-x}

crystal structure, physical properties

Zr₂Se₃

crystal structure, physical properties

Zr_{1+x}Se₂

crystal structure, physical properties

ZrSe₃

crystal structure, physical properties

Hf₂S₃

crystal structure, physical properties

HfS₂

crystal structure, physical properties

HfS₃

crystal structure, physical properties

Hf₂Se₃

crystal structure, physical properties

HfSe₂

crystal structure, physical properties

chalcogenides of V, Nb, Ta

crystal structure, chemical bond, general characterization

NbS₃

crystal structure, physical properties

TaS₂

crystal structure, physical properties

TaS₃

crystal structure, physical properties

chalcogenides of Cr, Mo, W

crystal structure, chemical bond, general characterization

CrS

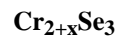
crystal structure, physical properties

Cr₂S₃

crystal structure, physical properties

CrSe

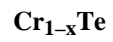
crystal structure, physical properties



crystal structure, physical properties



crystal structure, physical properties



crystal structure, physical properties



crystal structure, physical properties



crystal structure, physical properties



crystal structure, physical properties



crystal structure, physical properties



crystal structure, physical properties



crystal structure, physical properties

chalcogenides of Mn, Tc, Re

crystal structure, physical properties, general characterization

MnS

crystal structure, physical properties

MnS₂

crystal structure, physical properties

MnSe

crystal structure, physical properties

MnTe

crystal structure, physical properties

MnTe₂

crystal structure, physical properties

TcS₂

crystal structure, physical properties

TcSe₂

crystal structure, physical properties

TcTe₂

crystal structure, physical properties

ReS₂

crystal structure, physical properties

ReSe₂

crystal structure, physical properties

ReTe₂

crystal structure, physical properties

chalcogenides of Fe, Ru, Os

crystal structure, chemical bond, general characterization

Fe_{1-x}S

crystal structure, physical properties

FeS₂

crystal structure, physical properties

Fe_{1-x}Se

crystal structure, physical properties

FeSe_{2-x}

crystal structure, physical properties

FeSe₂

crystal structure, physical properties

Fe_{1-x}Te

crystal structure, physical properties

FeTe₂

crystal structure, physical properties

RuS₂

crystal structure, physical properties

RuSe₂

crystal structure, physical properties

RuTe₂

crystal structure, physical properties

OsS₂

crystal structure, physical properties

OsSe₂

crystal structure, physical properties

OsTe₂

crystal structure, physical properties

chalcogenides of Co, Rh, Ir

crystal structure, chemical bond, general characterization

Rh_{2/3}S₂

crystal structure, physical properties

Rh₂S₃

crystal structure, physical properties

RhS_{≈3}

crystal structure, physical properties

RhSe₂

crystal structure, physical properties

RhSe_{≈3}

crystal structure, physical properties

IrS₂

crystal structure, physical properties

IrS_{≈3}

crystal structure, physical properties

IrSe₂

crystal structure, physical properties

Ir_{2/3}Se₂

crystal structure, physical properties

chalcogenides of Ni, Pd, Pt

crystal structure, chemical bond, general characterization

Ni_{1-x}S

crystal structure, physical properties

NiS₂

crystal structure, physical properties

PdS

crystal structure, physical properties

PdS₂

crystal structure, physical properties

PdSe

crystal structure, physical properties

PdSe₂

crystal structure, physical properties

PtS

crystal structure, physical properties

Pt_{0,97}S₂

crystal structure, physical properties

PtSe₂

crystal structure, physical properties

LaH_x

crystal structure, physical properties

LaD_x

crystal structure, physical properties

CeH_x

crystal structure, physical properties

CeD_x

crystal structure

PrH_x

crystal structure, physical properties

EuH₂

crystal structure, physical properties

DyH₃

crystal structure

HoH₃

crystal structure

ErH₃

crystal structure

ErD_x

crystal structure, physical properties

NdH_x

crystal structure, physical properties

GdH_x

crystal structure, physical properties

YH_x

crystal structure, physical properties

YD_x

crystal structure, physical properties

YbH_x

crystal structure, physical properties

YP

crystal structure, physical properties

LaP

crystal structure, physical properties

SmP

crystal structure, physical properties

ErP

crystal structure, physical properties

LuP

crystal structure, physical properties

SmS

crystal structure, physical properties

SmSe

crystal structure, physical properties

SmTe

crystal structure, physical properties

EuO

crystal structure, physical properties

EuS

crystal structure, physical properties

EuSe

crystal structure, physical properties

EuTe

crystal structure, physical properties

TmTe

crystal structure, physical properties

TmSe_{1-x}Te_x

crystal structure, physical properties

Tm_{1-x}Eu_xSe

crystal structure, physical properties

SmS_{1-x}Se_x

crystal structure, physical properties

YbS

crystal structure, physical properties

YbSe

crystal structure, physical properties

YbTe

crystal structure, physical properties

Sm₃S₄

crystal structure, physical properties

Sm₃Se₄

crystal structure, physical properties

Sm₃Te₄

crystal structure

Eu₃S₄

crystal structure, physical properties

Eu₃Se₄

physical properties

Eu₃Te₄

crystal structure, physical properties

La₂O₃

crystal structure, physical properties

Nd₂O₃

crystal structure, physical properties

Sm₂O₃

crystal structure, physical properties

Eu₂O₃

crystal structure, physical properties

Gd₂O₃

crystal structure, physical properties

Tb₂O₃

crystal structure, physical properties

Dy₂O₃

crystal structure, physical properties

Ho₂O₃

crystal structure, physical properties

Er₂O₃

crystal structure, physical properties

Tm₂O₃

crystal structure, physical properties

Yb₂O₃

crystal structure, physical properties

La₂S₃

crystal structure, physical properties

La₁₀S₁₄O_xS_{1-x}, La₁₀S₁₄O

crystal structure

La₂Se₃

crystal structure, physical properties

La₂Te₃

crystal structure, physical properties

Ce₂S₃

crystal structure, physical properties

Ce₂Se₃

crystal structure, physical properties

Ce₂Te₃

crystal structure, physical properties

Pr₂S₃

crystal structure, physical properties

Pr₂Se₃

crystal structure, physical properties

Pr₂Te₃

crystal structure, physical properties

Nd₂S₃

crystal structure, physical properties

Nd₂Se₃

crystal structure, physical properties

Nd₂Te₃

crystal structure, physical properties

Sm₂S₃

crystal structure, physical properties

Sm₂Se₃

crystal structure, physical properties

Eu₂Se₃

physical properties

Gd₂S₃

crystal structure, physical properties

Gd₂Se₃

crystal structure, physical properties

Tb₂S₃

crystal structure, physical properties

Dy₂S₃

crystal structure, physical properties

Dy₂Se₃

crystal structure, physical properties

Ho₂S₃

crystal structure, physical properties

Er₂S₃

crystal structure, physical properties

Tm₂S₃

crystal structure

Tm₂Se₃

crystal structure, physical properties

Tm₂Te₃

crystal structure

Yb₂S₃

crystal structure, physical properties

Lu₂S₃

crystal structure, physical properties

LaS₂

crystal structure, physical properties

LaTe₂

crystal structure, physical properties

CeS₂

crystal structure, physical properties

PrS₂

crystal structure, physical properties

LaTe₃

crystal structure, physical properties

Y₂Cl₃

crystal structure, physical properties

La₂Cl₃

crystal structure, physical properties

Gd₂Cl₃

crystal structure, physical properties

Tb₂Cl₃

crystal structure, physical properties

Tm₂Cl₃

crystal structure, physical properties

Lu₂Cl₃

crystal structure, physical properties