

Thermochimica Acta 282/283 (1996) 511-519

thermochimica acta

Subject index

Acoustic emission (AE)

The phase transition of Rb-doped KNO₃ monitored by acoustic emission and high temperature X-ray diffraction 323

Activation energy

A new point of view on the evaluation of the temperature integral 29

Kinetics and mechanism of the chalcopyritepyrite concentrate oxidation process 121

Adiabatic calorimetry

Calorimetric study of alkali metal tetrafluoroborates 225

Adsorption

Thermoprogrammed reduction and thermoprogrammed hydrogen desorption of and from Cu and Cr oxides supported on alumina and alumosilica 61

Ag-Au alloy

Diffusion and phase diagram in binary alloys 165 Alkali metal chloride/erbium chloride systems

Ternary chlorides in the systems CsCl/ErCl₃ and RbCl/ErCl₃ 297

Amorphous rutherium oxide

Crystallization kinetics of amorphous RuO₂ 131 Amplitude of cyclic temperature response

Development of light heating dynamic DSC II: determination of complex calibration constants 157

Arrhenius equation

The kinetic interpretation of the decomposition of calcium carbonate by use of relationships other than the Arrhenius equation 13

Arrhenius law

A new point of view on the evaluation of the temperature integral 29

Au-Ni alloy

Diffusion and phase diagram in binary alloys 165

Basic aluminium ammonium sulphate

Dispersive kinetics of solid thermolysis. Decomposition of basic aluminium ammonium sulphate 51

Biogradable polyurethanes

TG-FTIR studies on biodegradable polyurethanes containing mono- and disaccharide components 433

$(Bi, Pb)_2 Sr_2 Ca_{n-1} Cu_n O_{2n+4+\delta}$

Thermal analysis of the oxygen activity and electrical resistance in the 2212 and 2223 compositions of the (Bi, Pb)₂ Sr₂ Ca_{n-1} Cu_nO_x isopleth 175

BN

High-temperature behaviour of hexagonal boron nitride 359

Brochantite

Accommodation of the actual solid-state process in the kinetic model function. Part 2. Applicability of the empirical kinetic model function to diffusion-controlled reactions 69

BSE

The oxidation of violarite 305

Building materials

Measuring the effective specific heat of building materials 239

Calcium acetate copper hexahydrate

The kinetics of thermal dehydration of calcium copper acetate hexahydrate 43

Calcium carbonate

The kinetic interpretation of the decomposition of calcium carbonate by use of relationships other than the Arrhenius equation 13

Calcium oxalate monohydrate

A study of calcium oxalate monohydrate using dynamic differential scanning calorimetry and other thermoanalytical techniques 277

Calcium sulphate dihydrate

The thermal dehydration of natural gypsum and pure calcium sulphate dihydrate (gypsum) 483

Calculation

Thermochemical and thermodynamical properties of 14 complex oxides in the SrO-Bi₂O₃ system 191

Calorimeter

Measurements of the formation enthalpy of Mo_6S_{8-y} clusters 331

Calorimetry

Linearity, steady state, and complex heat capacity in modulated differential scanning calorimetry 143

Carbon

Reduction of tungsten oxides with carbon. Part 2. Tube furnace experiments 265

Chalcopyrite-pyrite concentrate

Kinetics and mechanism of the chalcopyritepyrite concentrate oxidation process 121

Characterization

Investigation of ancient and new Japanese papers 453

Chemical reactions

Measuring the effective specific heat of building materials 239

Clay

The emanation thermal analysis of kaolinite clay minerals 385

Clay acidity

Thermo-IR-spectroscopy study of the mechanochemical adsorption of 3,5-dichlorophenol by TOT swelling clay minerals 369

Clay minerals

Thermo-IR-spectroscopy study of the mechanochemical adsorption of 3,5-dichlorophenol by TOT swelling clay minerals 369

Cold crystallization

The thermal behavior of probenecid tablets. An example of the thermoanalytical complexity encountered in the pharmaceutical industry 469

Cold rolling

Characterization of lubricants used in the metalworking industry by thermoanalytical methods 493

Comb-like polymer

Thermoanalytical studies on the comb-like polymers containing diamino-s-triazine groups 425

Combustion

Measurements of the formation enthalpy of Mo_6S_{8-y} clusters 331

Complex calibration constants

Development of light heating dynamic DSC II: determination of complex calibration constants 157

Complex heat capacity

Linearity, steady state, and complex heat capacity in modulated differential scanning calorimetry 143

Complex oxide

Thermochemical and thermodynamical properties of 14 complex oxides in the SrO-Bi₂O₃ system 191

Cross-sectional inhomogeneity

Thermoanalytical study of the methyl methacrylate polymerization under thermal gradient 461

CRTA

Unexpected effect of pressure on the dehydration kinetics of uranyl nitrate trihydrate: an example of a Smith-Topley effect 1

Crystallinity

Crystal structure and mechanical properties of ODPA-DMB polyimide fibers 411

The emanation thermal analysis of kaolinite clay minerals 385

Crystallization kinetics

Crystallization kinetics of amorphous RuO₂ 131

The complex DSC analysis of the first crystallization peak of Fe₈₀Si₁₀B₁₀ metallic glass 91

Crystallization

High-temperature behaviour of hexagonal boron nitride 359

Kinetic analysis of the isothermal crystallization of an *n*-alkane and polyethylene observed by simultaneous DSC/FT-IR/WAXD measurement 443

Crystallographic direction

High-temperature behaviour of hexagonal boron nitride 359

Crystal orientation

Crystal structure and mechanical properties of ODPA-DMB polyimide fibers 411

Crystal unit cell

Crystal structure and mechanical properties of ODPA-DMB polyimide fibers 411

Decomposition

Accommodation of the actual solid-state process in the kinetic model function. Part 2. Applicability of the empirical kinetic model function to diffusion-controlled reactions 69

The kinetic interpretation of the decomposition of calcium carbonate by use of relationships other than the Arrhenius equation 13

Dehydration

The thermal behavior of probenecid tablets. An example of the thermoanalytical complexity encountered in the pharmaceutical industry 469

The thermal dehydration of natural gypsum and pure calcium sulphate dihydrate (gypsum) 483

Unexpected effect of pressure on the dehydration kinetics of uranyl nitrate trihydrate: an example of a Smith-Topley effect 1

Delayed elasticity

Delayed elasticity and viscosity of silicate glasses below the glass transition temperature 345

3,5-Dichlorophenol

Thermo-IR-spectroscopy study of the mechanochemical adsorption of 3,5-dichlorophenol by TOT swelling clay minerals 369

Differential scanning calorimetry

Early papers by Takeo Ozawa and their continuing relevance 35

Differential thermal analysis

Characterization of lubricants used in the metalworking industry by thermoanalytical methods 493

Early papers by Takeo Ozawa and their continuing relevance 35

Diffusion

Early papers by Takeo Ozawa and their continuing relevance 35

Diffusion mechanism

Reduction of tungsten oxides with carbon. Part 1: Thermal analyses 251

Dithiocarbamates

Thermal studies on germanium(IV) complexes of N-alkylcyclohexyl dithiocarbamates 501

DMB

Crystal structure and mechanical properties of ODPA-DMB polyimide fibers 411

Drawing

Crystal structure and mechanical properties of ODPA-DMB polyimide fibers 411

DSC

Calorimetric study of alkali metal tetrafluoroborates 225

Crystallization kinetics of amorphous RuO₂ 131

The complex DSC analysis of the first crystallization peak of Fe₈₀Si₁₀B₁₀ metallic glass 91 Thermoanalytical studies on the comb-like polymers containing diamino-s-triazine groups 425

The thermal behavior of probenecid tablets. An example of the thermoanalytical complexity encountered in the pharmaceutical industry 469

DSC/FT-IR simultaneous measurement

Kinetic analysis of the isothermal crystallization of an *n*-alkane and polyethylene observed by simultaneous DSC/FT-IR/WAXD measurement 443

DTA

Characterization of lubricants used in the metalworking industry by thermoanalytical methods 493

Phase equilibria study in the partially open Cu-(O) and Me-Cu-(O) (Me = Ba, Bi, Sr) systems 205

Reduction of tungsten oxides with carbon. Part 1: Thermal analyses 251

DTA-TG-DTG

Kinetics and mechanism of the chalcopyritepyrite concentrate oxidation process 121

Dynamic differential scanning calorimetry

A study of calcium oxalate monohydrate using dynamic differential scanning calorimetry and other thermoanalytical techniques 277

Electrical resistance

Thermal analysis of the oxygen activity and electrical resistance in the 2212 and 2223 compositions of the $(Bi, Pb)_2 Sr_2 Ca_{n-1} Cu_n O_x$ isopleth 175

Emanation thermal analysis (ETA)

The emanation thermal analysis of kaolinite clay minerals 385

EPMA

The oxidation of violarite 305

α-FeO(OH)

A kinetic study of the thermal decomposition of iron(III) oxide-hydroxides. Part 3. Shape control and thermal decomposition of α -FeO(OH) 81

Fe₈₀Si₁₀B₁₀ glass

The complex DSC analysis of the first crystallization peak of Fe₈₀Si₁₀B₁₀ metallic glass 91

Fiber-bending method

Delayed elasticity and viscosity of silicate glasses below the glass transition temperature 345

Formation enthalpy

Measurements of the formation enthalpy of $Mo_6S_{8-\nu}$ clusters 331

Fractal

Accommodation of the actual solid-state process in the kinetic model function. Part 2. Applicability of the empirical kinetic model function to diffusion-controlled reactions 69

FT-IR

The oxidation of violarite 305

Germanium(IV) complexes

Thermal studies on germanium(IV) complexes of *N*-alkylcyclohexyl dithiocarbamates 501

Glass transition

Linearity, steady state, and complex heat capacity in modulated differential scanning calorimetry 143

Glass transition temperature

Delayed elasticity and viscosity of silicate glasses below the glass transition temperature 345

Thermoanalytical study of the methyl methacrylate polymerization under thermal gradient 461

Graphite

Reduction of tungsten oxides with carbon. Part 1: Thermal analyses 251

Graphitic boron nitride

High-temperature behaviour of hexagonal boron nitride 359

Heat capacity

The heat capacity of tantalum from 80 to 1000 K 317

Heat flow calorimeter

Linearity, steady state, and complex heat capacity in modulated differential scanning calorimetry 143

Hexagonal boron nitride

High-temperature behaviour of hexagonal boron nitride 359

High-temperature behaviour

High-temperature behaviour of hexagonal boron nitride 359

High-temperature superconductor

Phase equilibria study in the partially open Cu-(O) and Me-Cu-(O) (Me=Ba,Bi,Sr) systems 205

High temperature X-ray diffraction

The phase transition of Rb-doped KNO₃ monitored by acoustic emission and high temperature X-ray diffraction 323

Influence of experimental conditions

Influence of experimental conditions on the kinetic parameters of gas-solid reactions—parametric sensitivity of thermal analysis 101 Instrument lag

Linearity, steady state, and complex heat capacity in modulated differential scanning calorimetry 143

Interdiffusion

Diffusion and phase diagram in binary alloys 165

Interfacial mechanism

Unexpected effect of pressure on the dehydration kinetics of uranyl nitrate trihydrate: an example of a Smith-Topley effect 1

Isopleth

Thermal analysis of the oxygen activity and electrical resistance in the 2212 and 2223 compositions of the (Bi, Pb)₂ Sr₂ Ca_{n-1} Cu_nO_x isopleth 175

Isothermal gravimetry

The kinetics of thermal dehydration of calcium copper acetate hexahydrate 43

Isothermal TG

Reduction of tungsten oxides with carbon. Part 1: Thermal analyses 251

Johnson-Mehl-Avrami model

Crystallization kinetics of amorphous RuO₂ 131

The complex DSC analysis of the first crystallization peak of $Fe_{80}Si_{10}B_{10}$ metallic glass 91

Kaolinite

The emanation thermal analysis of kaolinite clay minerals 385

Kinetic

The kinetic interpretation of the decomposition of calcium carbonate by use of relationships other than the Arrhenius equation 13

Kinetic model function

Accommodation of the actual solid-state process in the kinetic model function. Part 2. Applicability of the empirical kinetic model function to diffusion-controlled reactions 69

Kinetic parameters

Influence of experimental conditions on the kinetic parameters of gas-solid reactions—parametric sensitivity of thermal analysis 101

Kinetics

Accommodation of the actual solid-state process in the kinetic model function. Part 2. Applicability of the empirical kinetic model function to diffusion-controlled reactions 69

A kinetic study of the thermal decomposition of iron(III) oxide-hydroxides. Part 3. Shape control and thermal decomposition of α -FeO(OH) 81

Dispersive kinetics of solid thermolysis. Decomposition of basic aluminium ammonium sulphate 51

Early papers by Takeo Ozawa and their continuing relevance 35

Kinetic analysis of the isothermal crystallization of an *n*-alkane and polyethylene observed

by simultaneous DSC/FT-IR/WAXD measurement 443

Reduction of tungsten oxides with carbon. Part 2. Tube furnace experiments 265

The kinetics of thermal dehydration of calcium copper acetate hexahydrate 43

The thermal dehydration of natural gypsum and pure calcium sulphate dihydrate (gypsum) 483

Unexpected effect of pressure on the dehydration kinetics of uranyl nitrate trihydrate: an example of a Smith-Topley effect 1

Lamp black

Reduction of tungsten oxides with carbon. Part 1: Thermal analyses 251

Laser-flash calorimetry

The heat capacity of tantalum from 80 to 1000 K 317

Layered boron nitride

High-temperature behaviour of hexagonal boron nitride 359

Lead-silicate glass

Delayed elasticity and viscosity of silicate glasses below the glass transition temperature 345

Light heating dynamic DSC

Development of light heating dynamic DSC II: determination of complex calibration constants 157

Linear equation

Linearity, steady state, and complex heat capacity in modulated differential scanning calorimetry 143

Lithium tetrafluoroborate

Calorimetric study of alkali metal tetrafluoroborates 225

Low temperature heat capacity

Calorimetric study of alkali metal tetrafluoroborates 225

Lubricant

Characterization of lubricants used in the metalworking industry by thermoanalytical methods 493

MDSC

Linearity, steady state, and complex heat capacity in modulated differential scanning calorimetry 143

Mechanochemical adsorption

Thermo-IR-spectroscopy study of the mechanochemical adsorption of 3,5-dichlorophenol by TOT swelling clay minerals 369

Me-Cu-(O) systems

Phase equilibria study in the partially open Cu-(O) and Me-Cu-(O) (Me = Ba, Bi, Sr) systems 205

Melting temperature

Diffusion and phase diagram in binary alloys 165

Mesographitic boron nitride

High-temperature behaviour of hexagonal boron nitride 359

MMA bulk polymerization

Thermoanalytical study of the methyl methacrylate polymerization under thermal gradient 461

Modulated calorimetry

Linearity, steady state, and complex heat capacity in modulated differential scanning calorimetry 143

Moisture loss

The thermal behavior of probenecid tablets. An example of the thermoanalytical complexity encountered in the pharmaceutical industry 469

Mo₆S_{8-y} cluster

Measurements of the formation enthalpy of Mo_6S_{8-y} clusters 331

Natural gypsum

The thermal dehydration of natural gypsum and pure calcium sulphate dihydrate (gypsum) 483

NiO reduction

Influence of experimental conditions on the kinetic parameters of gas-solid reactions—parametric sensitivity of thermal analysis 101

Non-isothermal crystallization

Early papers by Takeo Ozawa and their continuing relevance 35

Nucleation

Kinetic analysis of the isothermal crystallization of an *n*-alkane and polyethylene observed by simultaneous DSC/FT-IR/WAXD measurement 443

Unexpected effect of pressure on the dehydration kinetics of uranyl nitrate trihydrate: an example of a Smith-Topley effect 1

ODPA

Crystal structure and mechanical properties of ODPA-DMB polyimide fibers 411

Oil

Characterization of lubricants used in the metalworking industry by thermoanalytical methods 493

Orientation

Crystal structure and mechanical properties of ODPA-DMB polyimide fibers 411

Oxidation

The oxidation of violarite 305

Oxidation mechanism

Kinetics and mechanism of the chalcopyrite-pyrite concentrate oxidation process 121

Oxidative roasting

Kinetics and mechanism of the chalcopyritepyrite concentrate oxidation process 121

Oxygen activity

Thermal analysis of the oxygen activity and electrical resistance in the 2212 and 2223 compositions of the (Bi, Pb)₂ $Sr_2 Ca_{n-1} Cu_n O_x$ isopleth 175

Papers

Investigation of ancient and new Japanese papers 453

Phase changes

Measuring the effective specific heat of building materials 239

Phase diagram

Diffusion and phase diagram in binary alloys 165

Phase diagrams

Ternary chlorides in the systems CsCl/ErCl₃ and RbCl/ErCl₃ 297

Phase equilibria

Phase equilibria study in the partially open Cu-(O) and Me-Cu-(O) (Me = Ba, Bi, Sr) systems 205

Phase of cyclic temperature response

Development of light heating dynamic DSC II: determination of complex calibration constants 157

Phase transformation

Thermal analysis of the oxygen activity and electrical resistance in the 2212 and 2223 compositions of the $(Bi, Pb)_2 Sr_2 Ca_{n-1} Cu_n O_x$ isopleth 175

Phase transition

The phase transition of Rb-doped KNO₃ monitored by acoustic emission and high temperature X-ray diffraction 323

Phase transitions

Calorimetric study of alkali metal tetrafluoroborates 225

Phenylacetic acid

Synthesis and thermo-decomposition mechanism of rare earth complexes with phenylacetic acid 353

Polyethylene

Kinetic analysis of the isothermal crystallization of an *n*-alkane and polyethylene observed by simultaneous DSC/FT-1R/WAXD measurement 443

Polyimide fiber

Crystal structure and mechanical properties of ODPA-DMB polyimide fibers 411

Polymer blends

Blends of poly(isobutyl methacrylate) with poly(styrene-co-acrylic acid) and of poly(isobutyl methacrylate-co-acrylic acid) with poly(styrene-co-N,N-dimethyl aminoethyl methacrylate) 399

Polymer degradation

Early papers by Takeo Ozawa and their continuing relevance 35

Potassium tetrafluoroborate

Calorimetric study of alkali metal tetrafluoroborates 225

Probenecid

The thermal behavior of probenecid tablets. An example of the thermoanalytical complexity encountered in the pharmaceutical industry 469

Properties

Thermochemical and thermodynamical properties of 14 complex oxides in the SrO-Bi₂O₃ system 191

Pseudobinary systems

Phase equilibria study in the partially open Cu-(O) and Me-Cu-(O) (Me = Ba, Bi, Sr) systems 205

Qualitative age determination

Investigation of ancient and new Japanese papers 453

Radiolabelled clay

The emanation thermal analysis of kaolinite clay minerals 385

Radon release

The emanation thermal analysis of kaolinite clay minerals 385

Rare earth complex

Synthesis and thermo-decomposition mechanism of rare earth complexes with phenylacetic acid 353

Rb-doped KNO₃

The phase transition of Rb-doped KNO₃ monitored by acoustic emission and high temperature X-ray diffraction 323

Redox transformation

Thermal analysis of the oxygen activity and electrical resistance in the 2212 and 2223 com-

positions of the $(Bi, Pb)_2 Sr_2 Ca_{n-1} Cu_n O_x$ isopleth 175

Reduction

Reduction of tungsten oxides with carbon. Part 2. Tube furnace experiments 265

Reduction of WO,

Reduction of tungsten oxides with carbon. Part 1: Thermal analyses 251

t-RuO,

Crystallization kinetics of amorphous RuO₂ 131

Segmental interactions

Blends of poly(isobutyl methacrylate) with poly(styrene-co-acrylic acid) and of poly(isobutyl methacrylate-co-acrylic acid) with poly(styrene-co-N,N-dimethyl aminoethyl methacrylate) 399

SEM

The oxidation of violarite 305

Šesták-Berggren model

Crystallization kinetics of amorphous RuO₂ 131

Shape control

A kinetic study of the thermal decomposition of iron(III) oxide-hydroxides. Part 3. Shape control and thermal decomposition of α -FeO(OH) 81

Silicate glass

Delayed elasticity and viscosity of silicate glasses below the glass transition temperature 345

Smith-Topley effect

Unexpected effect of pressure on the dehydration kinetics of uranyl nitrate trihydrate: an example of a Smith-Topley effect 1

Sodium tetrafluoroborate

Calorimetric study of alkali metal tetrafluoroborates 225

Solid state reactions

A new point of view on the evaluation of the temperature integral 29

Specific heat

Measuring the effective specific heat of building materials 239

Stochastic model

Dispersive kinetics of solid thermolysis. Decomposition of basic aluminium ammonium sulphate 51

Structural disorder

The emanation thermal analysis of kaolinite clay minerals 385

Styrene-acrylic acid copolymers

Blends of poly(isobutyl methacrylate) with poly(styrene-co-acrylic acid) and of poly(isobutyl methacrylate-co-acrylic acid) with poly(styrene-co-N,N-dimethyl aminoethyl methacrylate) 399

Sulphide concentrate

Kinetics and mechanism of the chalcopyritepyrite concentrate oxidation process 121

Supported catalysts

Thermoprogrammed reduction and thermoprogrammed hydrogen desorption of and from Cu and Cr oxides supported on alumina and alumosilica 61

Surface reconstruction

Thermoprogrammed reduction and thermoprogrammed hydrogen desorption of and from Cu and Cr oxides supported on alumina and alumosilica 61

Takeo Ozawa

Early papers by Takeo Ozawa and their continuing relevance 35

Tantalum

The heat capacity of tantalum from 80 to 1000 K 317

Temperature integral

A new point of view on the evaluation of the temperature integral 29

Tensile properties

Crystal structure and mechanical properties of ODPA-DMB polyimide fibers 411

Ternary erbium chlorides

Ternary chlorides in the systems CsCl/ErCl₃ and RbCl/ErCl₃ 297

TG

A kinetic study of the thermal decomposition of iron(III) oxide-hydroxides. Part 3. Shape control and thermal decomposition of α -FeO(OH) 81

Characterization of lubricants used in the metalworking industry by thermoanalytical methods 493

The thermal behavior of probenecid tablets. An example of the thermoanalytical complexity encountered in the pharmaceutical industry 469

TG-FTIR

TG-FTIR studies on biodegradable polyurethanes containing mono- and disaccharide components 433

TG/FTIR

Thermoanalytical studies on the comb-like polymers containing diamino-s-triazine groups 425

Thermal analysis

Early papers by Takeo Ozawa and their continuing relevance 35

Thermal analysis of the oxygen activity and electrical resistance in the 2212 and 2223 compositions of the (Bi, Pb)₂Sr₂Ca_{n-1}Cu_nO_x isopleth 175

Thermoanalytical studies on the comb-like polymers containing diamino-s-triazine groups 425

Thermal behavior

The thermal behavior of probenecid tablets. An example of the thermoanalytical complexity encountered in the pharmaceutical industry 469

Thermal decomposition

A kinetic study of the thermal decomposition of iron(III) oxide-hydroxides. Part 3. Shape control and thermal decomposition of α -FeO(OH) 81

TG-FTIR studies on biodegradable polyurethanes containing mono- and disaccharide components 433

Thermal dehydration

The kinetics of thermal dehydration of calcium copper acetate hexahydrate 43

Thermal studies

Thermal studies on germanium(IV) complexes of N-alkylcyclohexyl dithiocarbamates 501

Thermoanalytical investigation

Investigation of ancient and new Japanese papers 453

Thermoanalytical techniques

A study of calcium oxalate monohydrate using dynamic differential scanning calorimetry and other thermoanalytical techniques 277

Thermo-decomposition mechanism

Synthesis and thermo-decomposition mechanism of rare earth complexes with phenylacetic acid 353

Thermodynamics

Ternary chlorides in the systems CsCl/ErCl₃ and RbCl/ErCl₃ 297

Thermogravimetry

Characterization of lubricants used in the metalworking industry by thermoanalytical methods 493

Early papers by Takeo Ozawa and their continuing relevance 35

Thermo-IR-spectroscopy

Thermo-IR-spectroscopy study of the mechanochemical adsorption of 3,5-dichlorophenol by TOT swelling clay minerals 369

Thermolysis

Dispersive kinetics of solid thermolysis. Decomposition of basic aluminium ammonium sulphate 51

Thermoprogrammed desorption

Thermoprogrammed reduction and thermoprogrammed hydrogen desorption of and from Cu and Cr oxides supported on alumina and alumosilica 61

Thermoprogrammed reduction

Thermoprogrammed reduction and thermoprogrammed hydrogen desorption of and from Cu and Cr oxides supported on alumina and alumosilica 61

Tracer diffusion

Diffusion and phase diagram in binary alloys 165

s-Triazine

Thermoanalytical studies on the comb-like polymers containing diamino-s-triazine groups 425

Triclinic

Crystal structure and mechanical properties of ODPA-DMB polyimide fibers 411

Uranyl nitrate trihydrate

Unexpected effect of pressure on the dehydration kinetics of uranyl nitrate trihydrate: an example of a Smith-Topley effect 1

Vacancy diffusion

Diffusion and phase diagram in binary alloys 165

Violarite

The oxidation of violarite 305

Viscosity

Delayed elasticity and viscosity of silicate glasses below the glass transition temperature 345

Wire drawing

Characterization of lubricants used in the metalworking industry by thermoanalytical methods 493

WO_3

Reduction of tungsten oxides with carbon. Part 2. Tube furnace experiments 265

X-ray diffraction

Phase equilibria study in the partially open Cu-(O) and Me-Cu-(O) (Me = Ba, Bi, Sr) systems 205

Thermal analysis of the oxygen activity and electrical resistance in the 2212 and 2223 com-

positions of the $(Bi, Pb)_2 Sr_2 Ca_{n-1} Cu_n O_x$ isopleth 175

The thermal behavior of probenecid tablets An example of the thermoanalytical complexity encountered in the pharmaceutical industry 469

Xray diffraction

Kinetics and mechanism of the chalcopyrite-pyrite concentrate oxidation process

XRD

The oxidation of violarite 305