

Subject index

Acetamide

Cryoscopic behavior in acetamide–zinc acetate dihydrate melts 55

Acidity characterization

Characterization of acidity in $\text{AlPO}_4\text{--Al}_2\text{O}_3$ (5–15 wt% Al_2O_3) catalysts using pyridine temperature programmed desorption 103

Actin

Calorimetric studies on actin polymerization and a comparison of the effects of cisplatin and transplatin 31

Activation energy

Investigation of low-temperature autooxidation processes in bituminous coal lithotypes 111

Activity coefficients

Cryoscopic behavior in acetamide–zinc acetate dihydrate melts 55

Alcohol

Excess enthalpies for the ternary mixtures phenol–1-hexanol–*n*-heptane and phenol–cyclohexanol–*n*-heptane, and their constituent binaries at 318.15 K 45

Excess molar enthalpies of cyclohexane + *n*-alcohols at 283.15, 298.15, 323.15, 343.15 and 363.15 K and at a pressure of 0.4 MPa 63

Alloy

Contribution to the study of the reaction of mercury with platinum and a platinum–iridium alloy 151

$\text{AlPO}_4\text{--Al}_2\text{O}_3$ catalysts

Characterization of acidity in $\text{AlPO}_4\text{--Al}_2\text{O}_3$ (5–15 wt% Al_2O_3) catalysts using pyridine temperature programmed desorption 103

Alunite

Thermogravimetry of a kaolinite–alunite ore 177

Ammonium fluoride

Studies on the reaction of ammonium fluoride with lithium carbonate and yttrium oxide 189

Autooxidation

Investigation of low-temperature autooxidation processes in bituminous coal lithotypes 111

Binary metallic melts

Description of the concentration and temperature-dependent mixing enthalpy of binary metallic melts 209

Binary system

Excess enthalpies for the ternary mixtures phenol–1-hexanol–*n*-heptane and phenol–cyclohexanol–*n*-heptane, and their constituent binaries at 318.15 K 45

Bovine superoxide dimutase

The effects of scan rate and protein concentration on DSC thermograms of bovine superoxide dismutase 163

BPSCCO

Isothermal study of the formation mechanism of 2223 phase in BPSCCO and BPSCCO–10 wt% Ag precursors 197

Calorimetry

Calorimetric investigation on the formation of gold nanoparticles in water/AOT/*n*-heptane microemulsions 15

Thermal conductivity measurements of *cis*- and *trans*-decahydronaphthalene isomers using a steady-state coaxial cylinders method 119

Thermochemistry of lead 2,4- and 4,6-dinitroresorcinol 73

Chromium oxide

Investigation of the chromium oxide system by means of temperature-programmed reduction 223

cis-trans-Decahydronaphthalene

Thermal conductivity measurements of *cis*- and *trans*-decahydronaphthalene isomers using a steady-state coaxial cylinders method 119

- Cisplatin**
 Calorimetric studies on actin polymerization and a comparison of the effects of cisplatin and transplatin 31
- Clarain**
 Investigation of low-temperature autooxidation processes in bituminous coal lithotypes 111
- Coal lithotype**
 Investigation of low-temperature autooxidation processes in bituminous coal lithotypes 111
- Coral**
 Water desorption and aragonite–calcite phase transition in scleractinian corals skeletons 135
- Crystallinity**
 Influence of selected variables on heat of fusion determinations by oscillating DSC 89
- Cyclohexane**
 Excess molar enthalpies of cyclohexane + *n*-alcohols at 283.15, 298.15, 323.15, 343.15 and 363.15 K and at a pressure of 0.4 MPa 63
- Decomposition**
 Gases evolved in the thermal decomposition of potassium cobalt hexacyanoferrate(II) 25
- Degree of oscillation**
 Influence of selected variables on heat of fusion determinations by oscillating DSC 89
- Desorption**
 Water desorption and aragonite–calcite phase transition in scleractinian corals skeletons 135
- Dilatometry**
 Polymorphism in tripotassium lanthanate hexafluorides (Ln = Sm, Eu, Gd, Tb and Er) 141
- DSC**
 Cryoscopic behavior in acetamide–zinc acetate dihydrate melts 55
 The effects of scan rate and protein concentration on DSC thermograms of bovine superoxide dismutase 163
 Water desorption and aragonite–calcite phase transition in scleractinian corals skeletons 135
- DTA**
 Polymorphism in tripotassium lanthanate hexafluorides (Ln = Sm, Eu, Gd, Tb and Er) 141
 Thermogravimetry of a kaolinite–alunite ore 177
- Enthalpy of formation**
 Tetraethoxysilane, Si(OC₂H₅)₄: vapour pressure measurements at temperatures from 323 to 442 K by means of a Bourdon spoon gauge 129
- Enthalpy of solution**
 Water–diol mixtures as solvents of electrolytes. Part 1. Enthalpies of solution of NaBPh₄ and Ph₄PCl in water with ethanediol-1,2, propanediol-1,2 and butanediol-1,2 39
- Enthalpy of transfer**
 Water–diol mixtures as solvents of electrolytes. Part 1. Enthalpies of solution of NaBPh₄ and Ph₄PCl in water with ethanediol-1,2, propanediol-1,2 and butanediol-1,2 39
- Enthalpy of vaporization**
 Tetraethoxysilane, Si(OC₂H₅)₄: vapour pressure measurements at temperatures from 323 to 442 K by means of a Bourdon spoon gauge 129
- Excess enthalpy**
 Excess enthalpies for the ternary mixtures phenol–1-hexanol–*n*-heptane and phenol–cyclohexanol–*n*-heptane, and their constituent binaries at 318.15 K 45
 Excess molar enthalpies of cyclohexane + *n*-alcohols at 283.15, 298.15, 323.15, 343.15 and 363.15 K and at a pressure of 0.4 MPa 63
- Excess heat capacity**
 Description of the concentration and temperature-dependent mixing enthalpy of binary metallic melts 209
- Formation enthalpy**
 Calorimetric investigation on the formation of gold nanoparticles in water/AOT/*n*-heptane microemulsions 15
- FTIR**
 Gases evolved in the thermal decomposition of potassium cobalt hexacyanoferrate(II) 25
- Gas**
 Gases evolved in the thermal decomposition of potassium cobalt hexacyanoferrate(II) 25
- GC–MS**
 Etude cinétique de la dégradation thermique d'un copolymère de cyanure de vinylidène et de cyanovinylacetate 1
- Gibbs energy of mixing**
 Description of the concentration and temperature-dependent mixing enthalpy of binary metallic melts 209
- Gold nanoparticles**
 Calorimetric investigation on the formation of gold nanoparticles in water/AOT/*n*-heptane microemulsions 15
- Griseofulvin**
 Influence of selected variables on heat of fusion determinations by oscillating DSC 89

Heat capacity

The effects of scan rate and protein concentration on DSC thermograms of bovine superoxide dismutase 163

Heat of formation

Thermochemistry of lead 2,4- and 4,6-dinitroresorcinol 73

Heat of fusion

Influence of selected variables on heat of fusion determinations by oscillating DSC 89

Iridium

Contribution to the study of the reaction of mercury with platinum and a platinum-iridium alloy 151

Isoperibol

Thermochemistry of lead 2,4- and 4,6-dinitroresorcinol 73

Isoperibol calorimetry

Water-diol mixtures as solvents of electrolytes. Part 1. Enthalpies of solution of NaBPh₄ and Ph₄PCl in water with ethanediol-1,2, propanediol-1,2 and butanediol-1,2 39

Isothermal

Isothermal study of the formation mechanism of 2223 phase in BPSCCO and BPSCCO-10 wt% Ag precursors 197

Kaolinite

Thermogravimetry of a kaolinite-alunite ore 177

Kinetics

Etude cinétique de la dégradation thermique d'un copolymère de cyanure de vinylidène et de cyanovinylacetate 1

K₃LnF₆

Polymorphism in tripotassium lanthanate hexafluorides (Ln = Sm, Eu, Gd, Tb and Er) 141

Lead 2,4-dinitroresorcinol

Thermochemistry of lead 2,4- and 4,6-dinitroresorcinol 73

Lead 4,6-dinitroresorcinol

Thermochemistry of lead 2,4- and 4,6-dinitroresorcinol 73

Liquid mixture

Excess enthalpies for the ternary mixtures phenol-1-hexanol-*n*-heptane and phenol-cyclohexanol-*n*-heptane, and their constituent binaries at 318.15 K 45

Liquid thermal conductivity

Thermal conductivity measurements of *cis*- and *trans*-decahydronaphthalene isomers using a steady-state coaxial cylinders method 119

Lithium carbonate

Studies on the reaction of ammonium fluoride with lithium carbonate and yttrium oxide 189

Macerals

Investigation of low-temperature autooxidation processes in bituminous coal lithotypes 111

Mechanism

Isothermal study of the formation mechanism of 2223 phase in BPSCCO and BPSCCO-10 wt% Ag precursors 197

Melting temperature depression

Cryoscopic behavior in acetamide-zinc acetate dihydrate melts 55

Mercury

Contribution to the study of the reaction of mercury with platinum and a platinum-iridium alloy 151

Micelles

Calorimetric investigation on the formation of gold nanoparticles in water/AOT/*n*-heptane microemulsions 15

Microcalorimetry

Calorimetric studies on actin polymerization and a comparison of the effects of cisplatin and transplatin 31

Microemulsions

Calorimetric investigation on the formation of gold nanoparticles in water/AOT/*n*-heptane microemulsions 15

Mixing enthalpy

Description of the concentration and temperature-dependent mixing enthalpy of binary metallic melts 209

NaBPh₄

Water-diol mixtures as solvents of electrolytes. Part 1. Enthalpies of solution of NaBPh₄ and Ph₄PCl in water with ethanediol-1,2, propanediol-1,2 and butanediol-1,2 39

Oscillating DSC

Influence of selected variables on heat of fusion determinations by oscillating DSC 89

PEG

Influence of selected variables on heat of fusion determinations by oscillating DSC 89

Phase

Isothermal study of the formation mechanism of 2223 phase in BPSCCO and BPSCCO-10 wt% Ag precursors 197

Phase transition

Water desorption and aragonite-calcite phase transition in scleractinian corals skeletons 135

Phenol

Excess enthalpies for the ternary mixtures phenol-1-hexanol-*n*-heptane and phenol-cyclohexanol-*n*-heptane, and their constituent binaries at 318.15 K 45

Ph₄PCl

Water-diol mixtures as solvents of electrolytes. Part 1. Enthalpies of solution of NaBPh₄ and Ph₄PCl in water with ethanediol-1,2, propanediol-1,2 and butanediol-1,2 39

Platinum

Contribution to the study of the reaction of mercury with platinum and a platinum-iridium alloy 151

Polymorphism

Polymorphism in tripotassium lanthanate hexafluorides (Ln=Sm, Eu, Gd, Tb and Er) 141

Potassium cobalt hexacyanoferrate

Gases evolved in the thermal decomposition of potassium cobalt hexacyanoferrate(II) 25

Protein

The effects of scan rate and protein concentration on DSC thermograms of bovine superoxide dismutase 163

Pyridine desorption

Characterization of acidity in AlPO₄-Al₂O₃(5-15 wt% Al₂O₃) catalysts using pyridine temperature programmed desorption 103

Reduction mechanism

Investigation of the chromium oxide system by means of temperature-programmed reduction 223

Scan rate

The effects of scan rate and protein concentration on DSC thermograms of bovine superoxide dismutase 163

Steady-state cylinders conductivity method

Thermal conductivity measurements of *cis*- and *trans*-decahydronaphthalene isomers using a steady-state coaxial cylinders method 119

Structure

Investigation of the chromium oxide system by means of temperature-programmed reduction 223

TA

Thermogravimetry of a kaolinite-alunite ore 177

Temperature-programmed reduction

Investigation of the chromium oxide system by means of temperature-programmed reduction 223

Ternary system

Excess enthalpies for the ternary mixtures phenol-1-hexanol-*n*-heptane and phenol-cyclohexanol-*n*-heptane, and their constituent binaries at 318.15 K 45

Tetraoxysilane

Tetraethoxysilane, Si(OC₂H₅)₄: vapour pressure measurements at temperatures from 323 to 442 K by means of a Bourdon spoon gauge 129

TG

Thermogravimetry of a kaolinite-alunite ore 177

TGA

Contribution to the study of the reaction of mercury with platinum and a platinum-iridium alloy 151

Etude cinétique de la dégradation thermique d'un copolymère de cyanure de vinylidène et de cyanovinylacetate 1

Thermal analysis

Studies on the reaction of ammonium fluoride with lithium carbonate and yttrium oxide 189

Thermal degradation

Etude cinétique de la dégradation thermique d'un copolymère de cyanure de vinylidène et de cyanovinylacetate 1

Thermal diffusivity

Thermal conductivity measurements of *cis*- and *trans*-decahydronaphthalene isomers using a steady-state coaxial cylinders method 119

Thermodynamics

Tetraethoxysilane, Si(OC₂H₅)₄: vapour pressure measurements at temperatures from 323 to 442 K by means of a Bourdon spoon gauge 129

Thermodynamic models

Description of the concentration and temperature-dependent mixing enthalpy of binary metallic melts 209

Toluene

Thermal conductivity measurements of *cis*- and *trans*-decahydronaphthalene isomers using a steady-state coaxial cylinders method 119

TPD

Characterization of acidity in AlPO₄-Al₂O₃(5-15 wt% Al₂O₃) catalysts using pyridine temperature programmed desorption 103

- Transplatin**
Calorimetric studies on actin polymerization and a comparison of the effects of cisplatin and transplatin 31
- Vapour pressure**
Tetraethoxysilane, $\text{Si}(\text{OC}_2\text{H}_5)_4$: vapour pressure measurements at temperatures from 323 to 442 K by means of a Bourdon spoon gauge 129
- Vinylidene cyanide–Cyanovinylactate copolymer**
Etude cinétique de la dégradation thermique d'un copolymère de cyanure de vinylidène et de cyanovinylacetate 1
- Vitrain**
Investigation of low-temperature autooxidation processes in bituminous coal lithotypes 111
- Water**
Water desorption and aragonite–calcite phase transition in scleractinian corals skeletons 135
- Water-diol mixtures**
Water-diol mixtures as solvents of electrolytes. Part 1. Enthalpies of solution of NaBPh_4 and Ph_4PCl in water with ethanediol-1,2, propanediol-1,2 and butanediol-1,2 39
- XRD**
Studies on the reaction of ammonium fluoride with lithium carbonate and yttrium oxide 189
- Yttrium oxide**
Studies on the reaction of ammonium fluoride with lithium carbonate and yttrium oxide 189
- Zinc acetate dihydrate**
Cryoscopic behavior in acetamide–zinc acetate dihydrate melts 55