SUBJECT INDEX

```
Activated carbon
```

Stability towards heating and outgassing of activated carbon oxidized in the liquid phase, 129

n-Alkanes

Study of the association of different *n*-alkanols in *n*-alkanes using infrared spectroscopy, 305

n-Akanols

Study of the association of different *n*-alkanols in *n*-alkanes using infrared spectroscopy, 305

Alkylated nucleic acid bases

Thermochemistry of aqueous solutions of alkylated nucleic acid bases. Part VII. Apparent molar heat capacities and volumes of aqueous solutions of alkylated derivatives of uracil at 298.15 K, 141

Amino groups

Thermodynamics of dipeptides in water. Part 3. Strengthening and weakening effects of different side chains on the free α -amino and free α -carboxyl groups, 277

Ammonium dihydrogen phosphate

Thermal behaviour of ammonium dihydrogen phosphate crystals in the temperature range 25-600 °C, 293

Aromatic diamines

Synthesis, thermal and electrical studies on zirconyl complexes with Schiff bases derived from 2-hydroxy-1-naphthaldehyde and some aromatic diamines, 21

Basic copper(II)-ammine ammonium chromate Study of copper-chromium oxide catalyst. Part IV. Thermal decomposition of basic copper(II)-ammine ammonium chromate, 267

BDNPA/F

Thermal characteristics of polyurethane PEG and BDNPA/F blends, 75

Binuclear chromium(III) complexes

Thermal decomposition of the oxo- and hydroxo-bridged binuclear chromium(III) complexes. Part I. Kinetics and mechanism of the processes, 249

Bromo complexes

Thermal, structural and electrical studies of the chloro and bromo complexes of cobalt, copper and zinc with 3-methyl-2-phenylpyridine, 89 Cadmium(II)

Thermal investigation and stereochemical studies of some cyclic diamine complexes of nickel(II), zinc(II) and cadmium(II) in the solid state. Part V, 327

Carboxyl groups

Thermodynamics of dipeptides in water. Part 3. Strengthening and weakening effects of different side chains on the free α -amino and free α -carboxyl groups, 277

Carboxylic acids

Solution and ionization of some carboxylic acids in water and dimethyl sulfoxide, 221

Chitosan

Characterization of chitosan by pyrolysismass spectrometry, thermal analysis and differential scanning calorimetry, 63

Chloro complexes

Thermal, structural and electrical studies of the chloro and bromo complexes of cobalt, copper and zinc with 3-methyl-2-phenylpyridine, 89

Chromium oxide

Study of copper-chromium oxide catalyst. Part IV. Thermal decomposition of basic copper(II)-ammine ammonium chromate, 267

L-Citrulline

The system D-malic acid-L-citrulline, 15

Cobalt

Thermal, structural and electrical studies of the chloro and bromo complexes of cobalt, copper and zinc with 3-methyl-2-phenylpyridine, 89

Cobalt crotonato complex

Kinetic studies on the thermal decomposition of γ -irradiated and unirradiated cobalt crotonato complex, 57

Complex cation-complex anion type coordination compounds

Thermal behaviour of complex cation-complex anion type coordination compounds Part IV, 241

Copoly(carbonate-thiocarbonate)s

Thermogravimetric analysis of copoly(carbonate-thiocarbonate)s, 173

Copper

Thermal, structural and electrical studies of the chloro and bromo complexes of cobalt, copper and zinc with 3-methyl-2-phenylpyridine, 89 Copper-chromium oxide catalyst

Study of copper-chromium oxide catalyst. Part IV. Thermal decomposition of basic copper(II)-ammine ammonium chromate, 267

Cyclic diamine complexes

Thermal investigation and stereochemical studies of some cyclic diamine complexes of nickel(II), zinc(II) and cadmium(II) in the solid state. Part V, 327

Dihydrazinium nitrilotriacetate

Thermal reactivity of dihydrazinium nitrilotriacetate, 339

Dimethyl sulfoxide

Solution and ionization of some carboxylic acids in water and dimethyl sulfoxide, 221

Dipeptides

Thermodynamics of dipeptides in water. Part 3. Strengthening and weakening effects of different side chains on the free α -amino and free α -carboxyl groups, 277

DSA-type oxygen evolving electrodes Characterization of DSA-type oxygen evolving electrodes. Choice of base metal, 31

Fe¹¹¹-EDTA

A new kinetic thermometric method for the determination of iron traces based on the catalytic action of the Fe^{III}-EDTA complex on the oxidation of hydroxylamine, 121

Glycine

The determination of the most probable mechanism function and kinetic parameters of the thermal decomposition of complexes of rare earth isothiocyanates with glycine by non-isothermal differential scanning calorimetry curve, 209

H₂O

Phase state of tellurites in the $In(NO_3)_3$ -Na₂TeO₃(K₂TeO₃)₂-H₂O system, 197

Heat exchange calorimeter

Some improvements in the heat exchange calorimeter for estimation of small heat effects, 115

2-Hydroxyl-1-naphthaldehyde

Synthesis, thermal and electrical studies on zirconyl complexes with Schiff bases derived from 2-hydroxy-1-naphthaldehyde and some aromatic diamines, 21

Hydroxylamine

A new kinetic thermometric method for the determination of iron traces based on the catalytic action of the Fe^{III}-EDTA complex on the oxidation of hydroxylamine, 121

 $In(NO_3)_3$

Phase state of tellurites in the $In(NO_3)_3$ -Na₂TeO₃(K₂TeO₃)₂-H₂O system, 197

Inverse kinetic problem

An approach to the solution of the inverse kinetic problem in the case of complex processes. Part II. Methods relying on one thermoanalytical curve, 49

Iodide salts

The electrostatic energy in iodide salts of mono-nitrogen organic bases, 183

Ionization

Solution and ionization of some carboxylic acids in water and dimethyl sulfoxide, 221

Iron traces

A new kinetic thermometric method for the determination of iron traces based on the catalytic action of the Fe¹¹¹-EDTA complex on the oxidation of hydroxylamine, 121

Laser transmittance

Thermal and optical properties of liquid crystal formation in an equimolar mixture of poly(A) and poly(U) by simultaneous measurement of differential thermal analysis and laser transmittance, 1

Liquid crystal

Thermal and optical properties of liquid crystal formation in an equimolar mixture of poly(A) and poly(U) by simultaneous measurement of differential thermal analysis and laser transmittance, 1

D-Malic acid

The system D-malic acid-L-citrulline, 15

Metal poly(methyl methacrylates)

Thermogravimetric studies of metal poly-(methyl methacrylates), 233

3-Methyl-2-phenylpyridine

Thermal, structural and electrical studies of the chloro and bromo complexes of cobalt, copper and zinc with 3-methyl-2-phenylpyridine, 89

Mitochondrial metabolism

Microcalorimetric study of mitochondrial metabolism, 69

Mono-nitrogen organic bases

The electrostatic energy in iodide salts of mono-nitrogen organic bases, 183

$Na_2TeO_3(K_2TeO_3)_2$

Phase state of tellurites in the $In(NO_3)_3$ -Na₂TeO₃(K₂TeO₃)₂-H₂O system, 197

Natural rubber

Thermal characterization of thermoplastic elastomeric natural rubber-polypropylene blends, 149

 $(NH_4)_3NbOF_6 \cdot 1.5H_2O$

Mode of thermal decomposition of $(NH_4)_3$ -NbOF₆·1.5H₂O, 203

Nickel(II)

Thermal investigation and stereochemical studies of some cyclic diamine complexes of nickel(II), zinc(II) and cadmium(II) in the solid state. Part V, 327

Organomercury(II) complexes

Thermal studies on organomercury(II) complexes of 6-thioguanine, 321

Organosilicon compounds

Theoretical thermochemistry: entropies and heat capacities for series of organosilicon compounds. Part II, 259

Petroleum fractions

Volatility characteristics of petroleum fractions by differential scanning calorimetry, 107 Phenazine

Thermodynamic studies of phenazine (in French), 163

Poly(A)

Thermal and optical properties of liquid crystal formation in an equimolar mixture of poly(A) and poly(U) by simultaneous measurement of differential thermal analysis and laser transmittance, 1

Poly(methyl methacrylates)

Thermogravimetric studies of metal poly-(methyl methacrylates), 233

Poly(U)

Thermal and optical properties of liquid crystal formation in an equimolar mixture of poly(A) and poly(U) by simultaneous measurement of differential thermal analysis and laser transmittance, 1

Polypropylene

Thermal characterization of thermoplastic elastomeric natural rubber-polypropylene blends, 149

Polyurethane PEG

Thermal characteristics of polyurethane PEG and BDNPA/F blends, 75

Pyrazine-2-carboxylic acid 5,10,15,20-tetrakis-(4-methoxyphenyl)-21H,23H-porphine cobalt(III)

Structural, thermal and electrical studies of

pyrazine-2-carboxylic acid 5,10,15,20-tetrakis-(4-methoxyphenyl)-21*H*,23*H*-porphine cobalt(III), 99

Rare earth isothiocyanates

The determination of the most probable mechanism function and kinetic parameters of the thermal decomposition of complexes of rare earth isothiocyanates with glycine by non-isothermal differential scanning calorimetry curve, 209

Schiff bases

Synthesis, thermal and electrical studies on zirconyl complexes with Schiff bases derived from 2-hydroxy-1-naphthaldehyde and some aromatic diamines, 21

Small heat effects

Some improvements in the heat exchange calorimeter for estimation of small heat effects, 115

Tellurites

Phase state of tellurites in the $In(NO_3)_3$ -Na₂TeO₃(K₂TeO₃)₂-H₂O system, 197

Thermovoltaic detection

Materials characterization by combined thermovoltaic detection (TVD) and thermal analysis (DTA) techniques, 285

6-Thioguanine

Thermal studies on organomercury(II) complexes of 6-thioguanine, 321

Uracil

Thermochemistry of aqueous solutions of alkylated nucleic acid bases. Part VII. Apparent molar heat capacities and volumes of aqueous solutions of alkylated derivatives of uracil at 298.15 K, 141

Zinc

Thermal, structural and electrical studies of the chloro and bromo complexes of cobalt, copper and zinc with 3-methyl-2-phenylpyridine, 89

Thermal investigation and stereochemical studies of some cyclic diamine complexes of nickel(II), zinc(II) and cadmium(II) in the solid state. Part V, 327