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Events

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Kuibyshev District Board of All-Union Mendeleev Chemical Society,
Kuibyshev Engineering Club of Scientific-Engeineering Society

PLENARY LECTURES

Standards for thermodynamic properties and phase transitions in high-temperature thermal analysis
E.N. Fomichev, A.A. Kalashnik, A.D. Krivotorotenko and I.V. Seminko
(Karhkov Research Institute for Minerals of Scientific-Industrial Union "Metrologia", Kharkov)

Topochemistry of thermal reactions in solid complex compounds
E.Yu. Ivanov, V.V. Boldyrev and V.A. Logvinenko
(IKhTTIMS of Siberian Branch of Academy of Sciences of the U.S.S.R., Institute of Inorganic Chemistry of Siberian Branch of Academy of Sciences of the U.S.S.R., Novosibirsk)

Investigation of reaction mechanisms in binary systems by means of electron microscopy and synchrotron irradiation
V.V. Aleksandrov, M.A. Korchagin, S.N. Gusenko, B.P. Tolochko, M.A. Sheromov and N.Z. Liakhov
(IKhTTIMS of Siberian Branch of Academy of Sciences of the U.S.S.R., Institute of Nuclear Physics of Siberian Branch of Academy of Sciences of the U.S.S.R., Novosibirsk)

Application of precision thermomassometry to investigation of non-stoichiometry in oxides
V.E. Shvaiko-Shvaikovsky, V.B. Glushkova and E.K. Keler
(Institute of Silicate Chemistry of Academy of Sciences of the U. S. S. R., Leningrad)

Small-size instruments for thermal analysis
Yu.V. Afanasiev, V.P. Egunov and A.N. Izmalkov
(Kuibyshev Polytechnic Institute, Kuibyshev)

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Theory, Methods and Apparatus

Mathematical models in thermal analysis and their proper application

A.I. Borovikova and F.Ya. Gimelshein

(Institute of Inorganic Chemistry of Siberian Branch of Academy of Sciences of the U.S.S.R., Novosibirsk)

Complex reactions at linear heating

V.T. Gontkovskaya

(Department of Institute of Chemical Physics of Academy of Sciences of the Sciences of the U.S.S.R., Chernogolovka)

Affin transformation of thermoanalytical curves

I.V. Arkhangelsky, N.A. Chernova and I. Maindl

(Moscow State University, Moscow)

Thermal analysis as method of forecast of certain application properties of polymers

E.T. Gevorkyan and L.V. Barkova

(Istra Branch of All-Union Research Institute of Electromechanics, Istra)

Present state of high-frequency thermal analysis

F.R. Verzhbitsky

(Perm University, Perm)

Determination of mixing enthalpies of alloys with volatile components my means of quantitative differential thermal analysis

S.A. Alfer, A.A. Vecher and L.A. Mechkovsky

(Byelorussian State University, Minsk)

Control of quality of metallurgical melts by methods of thermal analysis

A.S. Basin

(Institute of Thermophysics of Siberian Branch of Academy of Sciences of U.S.S.R., Novosibirsk)

One of the algoritms of solution of the reverse problem at arbitrary program of temperature change in thermal analysis

V.A. Bir, Ya.A. Belikhmaer and A.F. Fedorov

(Tomsk Polytechnic Institute, Tomsk)

Thermal analysis and method of contribution on structural elements at calculation of ΔH

L.V. Barkova and In.N. Kurochkina

(Istra Branch of All-Union Research Institute of Electro-Mechanics, Istra)

Radiometric methodics and apparatus for thermodilatometric analysis

A.S. Basin, Ya.L. Kolotov and S.V. Stankus

(Institute of Thermophysics of Siberian Branch of Academy of Sciences of the U.S.S.R., Novosibirsk)

Sensitivity of differential thermoanalytical instruments

V.A. Vertogradksy

(Moscow)

Computer treatment of data from thermal analysis for calculating kinetic parameters of chemical reactions

Ya.A. Vaivad and U.Ya. Sedmalis

(Riga Polytechnic Institute, Riga)

Automatized stand for thermogravimetric analysis of polymeric substances

A.E. Venger, M.S. Zheludkevich, T.R. Reiant and Yu.E. Fraiman

(Institute of Thermo and Mass-Exchange of Academy of Sciences of the Byelorussian S.S.R., Minsk)

Several methods for determination of kinetics of one-stage reactions by thermal analysis

V.A. Griva and V.I. Rozenband

(Department of Institute of Chemical Physics, Chernogolovka)

Determination of kinetic equation from thermoanalytical curves

V.M. Gorbachev

(Institute of Inorganic Chemistry of Siberian Branch of Academy of Sciences of the U.S.S.R., Novosibirsk)

Application of thermal analysis to determination of heats of reactions in mutual systems

E.S. Gryzlova, N.A. Vasina, V.A. Korobov and N.Yu. Nakshin

(Scientific-Industrial Society "Kvant", Moscow)

Application of DTA to express determination of characteristics of triple points of non-variant equilibria

I.K. Garkushin, K.Yu. Voronin, A.S. Trunin and I.M. Kondratyuk

(Kuibyshev Polytechnic Institute, Kuibyshev)

Complex of apparatus for thermal analysis

L.E. Gorsh, A.F. Neermolov, Ya.V. Vasilev, M.E. Mednik, A.I. Sovertkov and V.V. Vlasov

(Institute of Inorganic Chemistry of Siberian Branch of Academy of Sciences of the U.S.S.R., Novosibirsk; Engineering Institute of Geodesy, Aerophotography and Cartography, Novosibirsk)

Application of time-scanning mass-spectrometry in complex with a mini-computer to investigation of thermodestruction processes

G.V. Guslev, V.V. Bogdanova, I.F. Grozdyukevich, A.I. Lesnikovich and S. S. Fedeev)

(Research Institute of Physico-Chemical Problems of Byelorussian State University, Minsk)

Thermo-mass-spectrometric investigation of fast transformations

F.Ya. Gimelsheyn and A.N. Mikheev

(Institute of Inorganic Chemistry of Siberian Branch of Academy of Sciences of the U.S.S.R., Novosibirsk)

Coupling of thermal instrument V-60 (Setaram, France) to a chromatograph and a time-scanning mass-spectrometer MKhS-4 for investigating thermal effects of organic and inorganic substances

I.B. Glebova, V.V. Ostrovsky and N.P. Kharitonov

(Institute of Silicate Chemistry of Academy of Sciences of the U.S.S.R., Leningrad)

Instruments of molecular rays with time-scanning mass-spectrometer for investigation of thermal decomposition of metal nitrates

V.A. Zavadovsky, Yu.A. Moiseeva, A.S. Mirzayan, B.Ya. Kolesnikov, V.G. Breininger, G.I. Ksandopulo and V.G. Gladun

(Kazakh State University, Alma-Ata)

Two approaches to determination of heats of reactions with regard to heat content of evolved gases

A.N. Izmalkov, V.P. Egunov and A.G. Khomskaya

(Kuibyshev Polytechnic Institute, Kuibyshev)

Comparative evaluation of different methods of calculation of kinetic parameters of thermal degradation of polymers

V.N. Kurochkin, V.N. Salaurov and V.A. Lopyrev

(Institute of Organic Chemistry of Siberian Branch of Academy of Sciences of the U.S.S.R., Irkutsk)

Properties of thermoanalytical curves calculated with computers using equation of chemical kinetics

E.A. Kolosovskaya

(Institute of Wood Industry of Siberian Branch of Academy of Sciences of the U.S.S.R., Krasnoyarsk)

New constructional solutions in micro-DTA

M.I. Kuzhukhov and V.V. Kozhevnikov

(Kuibyshev Polytechnic Institute, Kuibyshev)

Determination of heat conductivity of substances by means of DTA

A.D. Kiyaev, V.P. Egunov and A.N. Izmalkov

(Kuibyshev Polytechnic Institute, Kuibyshev)

Application of computer techniques to calculation of triple non-variant points

V.D. Loguvoy, G.A. Efimova and V.D. Proskuryakov

(Kuibyshev Polytechnic Institute, Kuibyshev)

Instruments for continuous control of composition of gases by thermal analysis

N.I. Lisov, V.P. Egunov and V.R. Grunvald

(Kuibyshev Polytechnic Institute, Kubyshev)

Application of the instrument DTAP-4M to calorimetric measurements

Yu.V. Moshchensky, I.K. Garkushin, V.Yu. Nadein, M.A. Dibirov and A.S. Trunin

(Kuibyshev Polytechnic Institute, Kuibyshev)

Equipment for calibration of DTA and calorimetric instruments

Yu.V. Moshchensky and A.G. Sablin

(Kuibyshev Polytechnic Institute, Kuibyshev)

Kinetic-regression analysis of DTG-curves

V.P. Malyshev, V.G. Shkodin, R.F. Kim and G.G. Berezin
(Chemico-Metallurgical Institute of Academy of Sciences of the Kazakh S.S.R., Karaganda)

Pecularities of thermal analysis of liquid-phase systems

A.V. Nemkov, V.P. Egunov and N.V. Grushina
(Kuibyshev Polytechnic Institute, Kuibyshev)

Equipment for differential thermal analysis in autoclave conditions

L.P. Ni, V.A. Pozmogov and O.B. Khalyatsina
(Institute of Metallurgy and Enrichment of Academy of Sciences of the Kazakh S.S.R., Alma-Ata)

Forms of reflection of the differential curve in an invariant process

Yu.V. Afanasev
(Kuibyshev Polytechnic Institute, Kuibyshev)

Kinetic study of dehydration of kaliborite at programmed heating

I.G. Sayko, G.N. Kononova, A.Yu. Zakgeim and A.Ya. Tavrovskaya
(Moscow Institute of Fine Chemical Technology, Moscow)

Analysis of applicability of the kinetic equation to non-isothermal kinetics

M.Yu. Sinev, B.M. Maevskaya, E.P. Babaeva and Yu.N. Simulin
(GOSNIIKhLORPROEKT, Moscow)

Thermo-mass-spectrometric complex

N.K. Sklemin, R.G. Stroiteleva, K.G. Rusakova and V.L. Mikov
(Moscow)

Experimental equipment for thermogravimetric investigations of composition of polymeric substances in conditions of strained-deformed state

R.B. Senderovich and Yu.S. Pervushin
(Aviation Institute, Ufa)

An instrument for DTA of polymers in temperature range of 313-773 K

E.V. Samardukov, V.S. Bil, Yu.I. Kondratenko, V.A. Eropkin and A.L. Babkin
(Research Institute of Plastics, Moscow;
OKBA NPO "Khimavtomatika", Tula)

Determination of temperature of reaction caking according to DTA-data

A.A. Semenov-Kobzar, S.V. Muchnik and V.B. Chernogorenko
(Institute for Material Tests of Academy of Sciences of the Ukrainian S.S.R., Kiev)

High-temperature Calvet-microcalorimeter as a method of study of dissolution reactions of minerals

N.D. Topor, G.K. Tsoy and L.P. Ogorodova
(Moscow State University, Moscow)

Thermal analysis in complex methodology for study of multicomponent salt-containing systems

I.S. Trunin
(Kuibyshev Polytechnic Institute, Kuibyshev)

Equipment for simultaneous registration of heat effects and ionic emission
V.G. Teplov, Yu.M. Plolezhaev and V.S. Novisov
(Ural Polytechnic Institute, Sverdlovsk)

Application of statistic criteria at selection of mechanism of thermal decomposition
M.B. Fialko and G.V. Nysh
(State University, Polytechnic Institute, Tomsk)

Heat capacity determination of solid substances by means of DTA
A.M. Filonov and G.O. Piloyan
(GIAP, Moscow)

Development and application of a system based on a microcomputer for establishing functional rules of heating the substance and treatment of thermoanalytical information
A.I. Fradkov, G.P. Zimin and V.P. Egunov
(Kuibyshev Polytechnic Institute, Kuibyshev)

Module for numerical control of thermoanalytical equipment invariant to frequency of the input voltage
A.I. Fradkov, O.A. Kaciuba and I.E. Kovzel
(Kuibyshev Polytechnic Institute, Kuibyshev)

Thermoanalytical methods in catalysis
A.V. Shkarin
(SKTB of Catalysts, Novosibirsk)

Determination of boundaries of thermodestruction of polymers, natural coals at varying intensity of heating
O.F. Shlensky, L.N. Aksenov and N.N. Ermilova
(Moscow Institute of Chemical Technology, Moscow)

Application of DTA to investigation of phase reactions in multicomponent systems
G.E. Shter, A.S. Kosmynin and V.D. Proskuryakov
(KMI, Kuibyshev Polytechnic Institute, Kuibyshev)

Equipment for differential thermal analysis and its application to investigation of binary sulfates, nitrates and chlorides of rare-earth and alkaline elements
V.G. Shevchuk, D.A. Storozhenko, A.G. Driuchko and N.M. Lazorenko
(Poltava Engineering-Constructional Institute, Poltava)

Determination of kinetic parameters of decomposition reactions according to data of non-isothermal thermogravimetry
V.A. Shurov and A.E. Poplevin
(Perm State University, Perm)

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Inorganic compounds

Thermogravimetry in quasi-equilibrium conditions: an effective method for investigation of thermal decomposition reactions of co-ordination compounds
V.A. Logvinenko
(Institute of Inorganic Chemistry of Siberian Branch of Academy of Sciences of the U.S.S.R., Novosibirsk)

Character of thermal effects of instable state of mixtures of salts
N.I. Lisov and N.P. Burmistrova
(Kuibyshev Polytechnic Institute, Kuibyshev;
Kazan State University, Kazan)

Decomposition enthalpies of binary oxides of platinum metals
I.I. Prosichev, V.B. Lazarev and I.S. Shaplygin
(Institute of General and Inorganic Chemistry of Academy of Sciences of the U.S.S.R., Moscow)

Thermal decomposition of nitrogen-containing artificial fertilizers
Yu.V. Tsekhanskaya, O.S. Novikova and V.V. Kuznetsova
(GIAP, Moscow)

Thermoanalytical investigation of tertiary tin-containing amalgames
N.M. Atamova and M.V. Nosek
(Institute of Chemical Sciences of Academy of Sciences of the Kazakh S.S.R., Alma-Ata)

Investigation of decomposition of sodiumhydroaluminates by thermoanalytical methods
(Institute of Metallurgy and Enrichment of Academy of Sciences of the Kazakh S.S.R., Alma-Ata)

Application of thermal analysis to production of solid alloys
V.A. Zhilyaev
(Institute of Chemistry of Ural Scientific Centre, Sverdlovsk)

Thermal transitions in systems of hydroxides of aluminum, iron and their aging products
R.A. Abdurakhmanov and T.G. Pilina
(Technological Institute of Food and Light Industry, Bukhara)

Determination by thermal analysis of temperatures of liquidus of multicomponent systems formed by elements of III and IV groups of the periodic system
A.V. Agafonov, V.P. Batura, V.N. Vigdorovich, A.A. Selin, V.A. Khanin and S.G. Shutov
(Moscow Institute of Electrotechnics, Moscow)

Thermal dehydration of equimolar mixture of hexahydrate of magnesium-ammonium phosphate and carbamide
I.A. Borukhov, R.T. Amineva and B.M. Beglov
(Institute of Chemistry of Academy of Sciences of the Uzbek S.S.R., Tashkent)

Thermogravimetric investigation of sublimation and oxidation of galenite in presence of pyrrhotine and chalcosine

G.A. Babadzhan, S.F. Veksler, I.A. Montilio, N.F. Lipinskaya and T.V. Poptsova
(Institute „Unipromed", Sverdlovsk)

Investigation of thermal stability of sulfanilates of certain rare earth elements

T.A. Baranova, A.V. Lipitskaya, and S.B. Pirkes
(Saratov State University, Saratov)

Complex thermal analysis of mixtures of carbonates of rubidium and cesium with titanium dioxide

N.P. Burmistrova, A.V. Bardymova and T.A. Zhdanova
(State University, Kazan;
Buriat Agricultural Institute, Ulan-Ude)

Kinetic and thermodynamic parameters of compounds of thioamides with inorganic acids

B.A. Beremzhanov, N.N. Nurakhmetov, R.Sh. Erksasov and G.M. Sekunov
(Kazakh State University, Alma-Ata)

Peculiarities of interaction of molybdenum anhydride with phosphates of monovalent metals

G.A. Bukhalova, N.P. Ocheret and I.V. Mardirosova
(Engineering-Constructional Institute, Rostov-na-Donu)

Investigation of temperature interval of stability of Ce^{4+} in chloride systems by thermal analysis

A.P. Bayanov, Z.A. Temerdashev and B.P. Burylev
(Kuban State University, Krasnodar)

Investigation of lamellar compounds of graphite with installed copper(II) chlorides at temperatures below 1300 K

A.A. Vecher, M.E. Volpin, Yu.N. Novikov, G.I. Samal and A.S. Skoropanov
(Institute of Organoelemental Compounds of Academy of Sciences of the U.S.S.R.,
Byelorussian State University, Minsk)

Investigation of fluorides having structure of fluorite

L.M. Volodkovich, G.S. Petrov, R.A. Vecher, A.A. Kozyro and A.A. Vecher
(Byelorussian State University, Minsk)

Investigation of sublimation and oxidation of rhenium sulphate and its interaction with wustite by means of DTA

S.F. Veksler, I.A. Montilio, K.S. Tynyshbaev, N.F. Lipinskaya and T.V. Poptsova
(Institute "Unipromed", Sverdlovsk)

Temperature dependence of electroconductivity in binary and tertiary carbonate systems

E.G. Volozhanina and A.I. Ershov
(Institute of Mechanical Engineering, Kurgan)

Thermoanalytical curves of nickel-chromium alloys in different structural states
V.A. Vertrogradsky and T.P. Rykova
(Moscow)

Application of VDTA to construction of phase diagrams
O.V. Gordiychuk, T.Ya. Velikanova and V.N. Eremenko
(Institute for Material Testing of Academy of Sciences of the Ukrainien S.S.R., Kiev)

Thermal decomposition of potassium sulphate-zirkonates
M.M. Godneva and D.L. Motov
(Institute of Chemistry of Kola Branch of Academy of Sciences of the U.S.S.R., Apatity)

High-temperature processes in lithium-containing systems
G.D. Yanson
(Riga Polytechnic Institute, Riga)

Study of ageing of polycrystalline manganese sulphide
A.O. Dmitrienko, E.E. Koblova and A.F. Bolshakov
(State University, Saratov)

Investigation of phase transitions in magnesium-, zincferrite, magnesium-iron-aluminium- and zinc-iron-aluminum catalysts
V.Ya. Danyushevsky, E.N. Amirbekov, V.I. Yakerson and A.M. Rubinshtein
(Institute of Organic Chemistry of Academy of Sciences of the U.S.S.R., Moscow)

Investigation of thermal decomposition of nanohydrate of chromium(III) nitrate and bismuth(III) hydroxynitrate
M.A. Dodolzhanov, V.P. Komarov and I.S. Shaplygin
(Institute of General and Inorganic Chemistry of Academy of Sciences of the U.S.S.R., Moscow)

Investigation of metastable equilibria on systems of Bi_2O_3-ZnO and Bi_2O_3-Ga_2O_3
F.F. Dzhalaladdinov, V.M. Skorikov, M.I. Zargarova and Yu.F. Kargin
(Institute of General and Inorganic Chemistry of Academy of Sciences of the U.S.S.R., Moscow;
Institute of Inorganic and Physical Chemistry of Academy of Sciences of the Azerbaijan S.S.R., Baku)

DTA investigation of phase transitions in alloys of the system Zr-Rh with compositions close to equiatomic
V.N. Eremenko, E.L. Semenova and T.D. Shtepa
(Institute for Material Tests of Academy of Sciences of the Ukrainien S.S.R., Kiev)

Thermodesorptional investigation of nickel-based carcase catalysts
K.A. Zhubanov and B.Zh. Usenov
(Kazakh State University, Alma-Ata)

Thermal investigation of compounds of rare earth elements with dimethyl-malonic acid

T.V. Zakharova and S.B. Pirkes
(State University, Saratov)

Thermogravimetric investigation of processes of solid-phase synthesis of $SrBi_2Nb_2O_9$

E.K. Zvorykina and L.M. Proskypyakova
(Research Institute of Physics at Rostov State University, Rostov-na-Donu)

Influence of size of hydrargillite on its thermal decomposition and phase composition of oxides of aluminium

B.P. Zolotovsky, A.V. Shkarin, O.P. Krivoruchko, T.A. Kriger and R.A. Buyanov
(Institute of Catalysts of Siberian Branch of Academy of Sciences of the U.S.S.R., SKTB of Catalysts MKhP, Novosibirsk)

Thermoanalytical study of thermal stability of thioarsenates of lead

S.M. Isabaev and Kh. Zhumashev
(Chemico-Metallurgical Institute of Academy of Sciences of the Kazakh S.S.R., Karaganda)

Investigation of sulphidation process of copper arsenide and copper-arsenide sludge by means of DTA

S.M. Isabaev and Kh. Kuzgibekova
(Chemico-Metallurgical Institute of Academy of Sciences of the Kazakh S.S.R., Karaganda)

Construction of fusibility diagram of systems Mo-(Nb,V,Cr), V-(Nb, Cr), Mo-V-(Nb, Cr) by means of DTA

Yu.A. Kocherzhinsky and V.I. Vasilenko
(Institute of Super-Hard Materials of Academy of Sciences of the Ukrainien S.S.R., Kiev)

Investigation of ignition of iron sulphides and copper sulphides as a function of their initial composition

S.M. Kozhakhmetov, R.Z. Zhalelev, S.B. Andagulova and A.S. Shamgunov
(Institute of Metallurgy and Enrichment of Academy of Sciences of the Kazakh S.S.R., Alma-Ata)

DTA investigation of interaction of tallium chalcogenides with chalcogenides of metals of I.B-V.B subgroups of the periodic system

A.A. Kuliev and M.B. Babanly
(Azerbaijan State University)

Thermoanalytical investigation of dehydration of hydrated calcium chloride in presence of its hydrate

G.T. Kosnyrev, V.N. Desyatnik, E.N. Nosonova and Z.G. Mukhamadieva
(Ural Polytechnic Institute, Sverdlovsk)

Thermal decomposition of bichromates of copper(II), nickel(II) and zinc(II)

I.I. Kalinichenko, N.E. Konyukhova and A.I. Purtov
(Ural Polytechnic Institute, Sverdlovsk)

Thermoanalytical investigation of dissociation of hydrides of lanthanum, cerium and samarium in melted haloids of sodium and potassium

V.P. Kochergin, V.R. Sinelnikova, V.V. Lozhkin and N.G. Ilyuschenko
(Ural State University, Sverdlovsk)

Investigation of dehydration processes of tetrahydrates of fluorooxalates of rare earth elements from the yttrium group

L.N. Komissarova, G.Ya. Pushkina, I.V. Arkhangelsky and N.A. Chernova
(Moscow State University, Moscow)

Investigation of conditions of formation and thermal stability of basic nitrates of zinc and chromium

O.N. Krasnobaeva, V.P. Danilov, I.N. Lepeshkov, I.P. Belomestnykh, N.V. Voykina and T.A. Markova
(Institute of General and Inorganic Chemistry of Academy of Sciences of the U.S.S.R.,
Institute of Organic Chemistry of Academy of Sciences of the U.S.S.R., Moscow)

Correlation between thermal characteristics of mechanically treated nickel-containing concentrate and its sorption capability

V.G. Kulebakin, A.V. Sushchev and E.I. Yashkin
(Norilsk-Mining-Metallurgic Centre, Norilsk)

Role of thermal analysis in study of synthesis of yttrium aluminates

E.K. Keler, A.K. Kuznetsov, V.B. Glushkov, V.A. Krzhizhanovskaya and O.N. Egorova
(Institute of silicate Chemistry of Academy of Sciences of the U.S.S.R., Leningrad)

Investigation of thermophysical properties of yttrium oxide at high temperatures

A.D. Krivorotenko, I.V. Seminko and E.N. Fomichev
(KhGIIM NPO "Metrologia")

Investigation of interaction between silicon nitride with nitrides of certain transition metals by means of DTA

S.N. Lakiza, E.I. Gervits and P.A. Verkhovodov
(Institute for Material Tests of Academy of Sciences of the Ukrainien S.S.R., Kiev)

Investigation of thermal decomposition of hydroxysulphates of magnesium and aluminium

S.D. Litvinov, V.P. Danilov, I.N. Lepeshkov and S.I. Lyakhov
(Institute of General and Inorganic Chemistry of Academy of Sciences of the U.S.S.R., Moscow;
KMI, Kuibyshev Polytechnic Institute, Kuibyshev)

Investigation of the system of In-Pb-Te by DTA

Z.M. Lapytov, N.R. Fraizullina and V.P. Savelev
(Kazan State University, Kazan)

Phase equilibria in the system of Zn-As and Cd-As

V.N. Guskov and G.D. Nipan

(Institute of General and Inorganic Chemistry of Academy of Sciences of the U.S.S.R., Moscow)

Synthesis and quantitative thermoanalytical investigation of compounds

V.B. Lazarev, Z.Z. Kish, I.S. Shalplygin and E.E. Semrad

(Institute of General and Inorganic Chemistry of Academy of Sciences of the U.S.S.R., Moscow)

Thermoanalytical study of interaction processes in systems of WCl_2-WCl_4[WCl_5, WCl_6]

L.E. Malysheva and S.S. Eliseev

(Institute of Chemistry of Academy of Sciences of the Tajik S.S.R., Dushanbe)

Application of DTA to investigation of synthesis of lithium ferrite

T.T. Miftakhov, O.V. Gribchenkov and E.A. Fedyakina

(Kuibyshev Polytechnic Institute,Kuibyshev)

Thermal stability of boron-hydrides of lanthanides

U. Mirsaidov, A. Rakhimova and A. Kurbonbekov

(Institute of Chemistry, Dushanbe)

Thermal analysis of processes of halogenation of oxides of metals of the second and third groups by fluoromethanes (freons)

A.A. Opalovsky, E.U. Labkov and S.S. Torosyan

(IMGRE, Academy of Sciences of the U.S.S.R., Moscow; KZVN, Kirovakan)

Thermal investigation of complex compounds of carbamide with magnesium nitrate

V.T. Orlova, V.I. Kosterina, I.N. Lepeshkov, E.A. Konstantinova and M.A. Shcherbansky

(Moscow, Academy of Sciences of the U.S.S.R.)

Thermal analysis in technology of optical materials

A.A. Opalovsky and V.P. Popov

(IMGRE, Academy of Sciences of the U.S.S.R., Moscow;

Medical Institute, Ryazan)

Thermogravimetric study of composition of residues of sulphides of Ni(II) and Cu(II)

E.V. Polyakov, N.D. Betenekov and Yu.V. Egorov

(Ural Polytechnic Institute, Sverdlovsk)

Thermal decomposition of nitroso-cyanide complexes of several d-elements

L.I. Pavlenko, V.V. Dogvey, Zh.I. Tkachenko and D.I. Zubritskaya

(Lvov Polytechnic Institute, Lvov)

Thermal analysis of iron hydroxyde with sorbed ions of elements of subgroup of titanium

V.S. Pakholkov and N.I. Lvina

(Ural Polytechnic Institute, Sverdlovsk)

Influence of dehydroxylation of $FeSO_4.7H_2O$ on its thermal decomposition

G.V. Pekarskaya, V.I. Sokolov and I.I. Kalinichenko

(Ural Polytechnic Institute, Sverdlovsk)

DTA as a method of control of single-phase character of solid electrolyte of Ag_4RbI_5

R.A. Popova, A.P. Kuzmin and O.G. Gromov

(Kola Department of IKhTREMS of Academy of Sciences of the U.S.S.R., Apatity)

Thermal properties of new complex compounds containing formiates of sodium, potassium and yttrium

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Investigation of behavior of silicium in aquaeous solutions of sodium hydroxide by means of DTA

K.T. Rustembekov, E.A. Buketov and K.N. Bolatbaev

(Karaganda State University, Karaganda)

Thermoanalytical investigation of decomposition products of ferrate(VI) of sodium

V.P. Remez and Yu.V. Egorov

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Thermogravimetric investigation of reactions of formation of $K_2Pb_4Nb_{10}O_{30}$ *and* $Na_2Pb_4Nb_{10}O_{30}$

O.N. Razumovskaya, L.M. Rudkovskaya, T.B. Kuleshova and V.G. Kryshtop

(Research Institute of Physics, Rostov-na-Donu)

Study of thermophysical properties of sulphides and sulphide-containing alloys

B.Kh. Sogadiev, M.Yu. Kalashnikov, V.S. Spitchenko and I.A. Onaev

(Kazakh Polytechnic Institute, Alma-Ata)

Thermal decomposition of tetracyanate-complex of cobalt(II)

G.B. Seifer and Z.A. Tarasova

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Thermal analysis of phosphates of titanium

V.V. Starkov, L.S. Kocheva and A.P. Karmanov

(Komi Department of Academy of Sciences of the U.S.S.R., Syktyvkar)

Thermal study of binary pirophosphates of copper and alkaline metals

I.D. Sokolova, G.A. Sharpataya, I.S. Shaplygin and I.B. Markina

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Investigation of synthesis conditions of binary phosphates with structure of eulytite

V.M. Skorikov, Yu.F. Kargin and V.F. Kargin

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Thermal dissociation of lanthanum chromate

Yu.L. Suponitsky, G.K. Demensky and O.A. Teplov

(Institute of Metallurgy of Academy of Sciences of the U.S.S.R., Moscow)

Influence of temperature conditions on kinetics of oxidation of copper powder
A.K. Lokenbakh, V.V. Strod, L.K. Lepin and I.A. Abrams
(Institute of Inorganic Chemistry of Academy of Sciences of the Latvian S.S.R., Riga)

Application of thermoanalytical methods to investigation of simultaneous precipitation of carbonates of nickel and copper
V.S. Stopsky, Zh.I. Gerasimova and N.L. Melamud
(All-Union Research Institute of Fats, Leningrad)

Determination of parameters of points of non-variant equilibria on the basis of data of quantitative DTA according to heats of fusion of mixtures
V.B. Turovsky, G.E. Shter and V.D. Proskuryakov
(Kuibyshev Polytechnic Institute, Kuibyshev)

Study of thermal dissociation of neutral and acidic salts of neodynium iodate
G.N. Tarasova, E.E. Vinogradov and I.B. Kudinov
(Institute of General and Inorganic Chemistry of Academy of Sciences of the U.S.S.R., Moscow)

Thermal analysis in investigation of processes of formation of ferrites in systems of iron(III) oxide – manganese carbonate – lithium carbonate
R.G. Fitseva, O.M. Pogodina and N.P. Burmistrova
(Kazan State University, Kazan)

Interaction processes of nyobium with chalcogenes
V.E. Fetsorov and V.K. Evstafev
(Institute of Inorganic Chemistry of Siberian Branch of Academy of Sciences of the U.S.S.R., Novosibirsk)

Possibility of application of thermal analysis in optimization of technological processes of producing monohydrate of iron oxide
E.S. Khramtsova, E.F. Levina, F.N. Vishnevksy and I.I. Skorokhodov
(GNIITEOS, Moscow)

Study of phase equilibria in systems of V – O – Te
I.A. Khodyakova, V.A. Dolgikh, B.A. Popovkin and A.V. Novoselova
(Moscow State University, Moscow)

Investigation of thermal stability of the compound of graphite with bromine trifluoride
E.F. Khairetdinov, Yu.I. Nikonorov and N.G. Khainovsky
(Institute of Solid State Chemistry and Processing Mineral Raw Materials of Siberian Branch of Academy of Sciences of the U.S.S.R.,
State University, Novosibirsk)

Physico-chemical interaction in the system of Fe-Ga-As according to data of DTA, X-ray phase analysis and microstructure
A.P. Chernov, V.T. Kalinnikov, T.N. Fesenko and V.I. Olkhovsky
(Institute of General and Inorganic Chemistry of Academy of Sciences of the U.S.S.R., Moscow)

Investigation of interaction of oxides of lithium, molybdenum (VI), scandium (III), tin(IV), titanium (IV)

N.G. Chaban, V.V. Safonov, N.V. Porotnikov and Z.P. Naletova

(Moscow Institute of Fine Chemical Technology, Moscow)

Thermal analysis of oxide systems of the highest fire-proofness by using sun heating

A.V. Shevchenko, A.I. Stegniy and L.M. Lopato

(Institute for Material Tests of Academy of Sciences of the Ukrainien S.S.R., Kiev)

Methods of DTA, X-ray phase analysis and NQA-spectroscopy in study of halogenocadmates and halogenobismuthates of alkaline metals

D.M. Sł.akirova and N.P. Burmistrova

(Kazan State University, Kazan)

Thermodynamic study of systems of $CdCl_2 - PbCl_2$ and $CdI_2 - PbI_2$ by thermal analysis

L.I. Shpenkova, B.P. Burylev and N.Ya. Kozlova

(Kuban State University, Krasnodar)

Investigation of thermal decomposition of $Ln_2(Cr_2O_7)_3 \cdot 5H_2O$

I.V. Shakhno and M.V. Saveleva

(Moscow Institute of Fine Chemical Technology, Moscow)

Thermal analysis of copper-containing compounds

V.I. Sharkina, L.N. Mikhalina and T.A. Semenova

(Novomoskovsk Department of GIAP, Novomoskovsk)

Investigation of kinetics of thermal decomposition of dihydrate of vanadyl oxalate in non-isothermal conditions

A.V. Shkarin and T. Voitovich

(SKTB of Catalysts, Novosibirsk)

Determination of starting decomposition temperatures of acetates of alkaline and alkaline-earth metals in acetate-nitrate exchange by means of DTA

S.G. Shaposhnikova, N.A. Vasina and L.M. Vasilenko

(All-Union Correspondence-Course Polytechnic Institute, Moscow;
Institute of Engineers of Rail-Road Transport, Kuibyshev)

Thermal analysis of amalgame-containing systems of limited solubility of components in liquid state

N.M. Atamanova and M.V. Nosek

(Institute of Chemical Sciences of Academy of Sciences of the Kazakh S.S.R., Alma-Ata)

Influence of cobalt oxide and crystalline fillers on dilatometric and thermomechanic characteristics of coating UES-300

G.I. Akulova, V.B. Lazarev, A.S. Eskov and E.A. Shabrova

(Institute of General and Inorganic Chemistry of Academy of Sciences of the U.S.S.R., Moscow;
Research Institute Emalkhimmash, Poltava)

Calculation of kinetic parameters of decomposition processes of oxyfluoro-wolframilates of ammonium

P.S. Gordienko, S.P. Bulanova, I.E. Melnichenko and V.I. Sheptiy

(Institute of Chemistry of Far-East Scientific Centre of Academy of Sciences of the U.S.S.R., Vladivostok)

Investigation of $Tb_3In_5S_9O_3$ by means of DTA

I.B. Bakhtiyarov and P.G. Rustamov

(Institute of Inorganic and Physical Chemistry of Academy of Sciences of the Azerbajan S.S.R., Baku)

Phase diagram of solid solutions of $CuGaS_2 - CuGaSe_2$ and $CuGaSe_2 - CuInSe_2$

I.V. Bondar and A.P. Bologa

(Institute of Solid State Physics and Semiconductors of Academy of Sciences of the Byelorussian S.S.R., Minsk)

Application of thermal analysis to study of fusibility and stability of peroxides and superoxydes

V.Ya. Bruner and Yu.P. Kalina

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Thermal decomposition of aluminium-hydrides of transition metals

A.I. Golovanova and M.E. Kost

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Thermodynamic investigation of $TlPS_4$-based alloys

M.I. Golovey, I.Yu. Roman, V.I. Tkachenko and G.N. Shpyrko

(All-Union Research Institute of Single Crystals, Kharkov)

Application of thermogravimetry to investigation of structural changes in zinc- and iron-hydroxydes precipitated under influence of magnetic field

N.P. Gorlenko and G.M. Mokrousov

(Tomsk State University, Tomsk)

Fusibility of hafnium fluoride-based fluoride-chloride salt mixtures

V.N. Desyatnik, S.F. Katyshev, K.I. Trifonov, I.I. Chayka, A.P. Chayka and I.I. Trifonov

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Thermal analysis of glasses of tertiary systems A^{V}-B^{VI}-C^{VII}

M.V. Dobosh, I.D. Turyanitsa, V.V. Khiminets and Ya.P. Kutsenko

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Interaction in systems of $Fe(Co)S - Cr_2S_3$ according to data of differential thermal and X-ray analysis

E.G. Zhukov, V.M. Indosova and V.T. Kalinnikov

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Thermal and X-ray analysis of systems of $Cu_2Sn(Ge)Se_3$ – CdSe

E.G. Zhukov, S.A. Mkrtchyan, K.O. Dovletov, V.T. Kalinnikov, A.G. Melikdzhanyan and A.A. Ashirov

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Influence of dispersity of iron oxides removal of adsorbed water

A.A. Zakharov, I.S. Shaplygin and Ya. Shubrt

(Institute of General and Inorganic Chemistry of Academy of Sciences of the U.S.S.R., Moscow;

Institute of Inorganic Chemistry of Czechoslovakian Academy of Sciences, Prague)

Methods of high-temperature difractometry and thermal analysis in investigation of phase transitions in ZrO_2-based solid solutions

E.I. Zoz, G.G. Eliseeva and L.M. Lopato

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Institute for Material Tests of Academy of Sciences of the Ukranien S.S.R., Kiev)

Thermal investigation of hydrothermal treatment of amorphous titanium hydroxide and arsenate

F.Kh. Iskakbekova, M.Z. Ugoretsand K.M. Akhmetov

(Chemico-Metallurgical Institute of Academy of Sciences of the Kazakh S.S.R., Karaganda)

Phase diagrams of systems of As_2O_5-carbonates of alkaline metals

S.M. Isabaev and B.K. Kasenov

(Chemico-Metallurgical Institute of Academy of Sciences of the Kazakh S.S.R., Karaganda)

Thermal analysis of pirophosphates of ammonium-magnesium

V.V. Kokhanovsky and Z.N. Zemtsova

(Institute of General and Inorganic Chemistry of Academy of Sciences of the Byelorussian S.S.R., Minsk)

Regularities in thermal behavior of heteropolywolframates

V.D. Kolotyuk, Ya.A. Moroz and V.I. Krivobok

(Donetsk State University, Donetsk)

Systems of $LiF - MF_3$ (M = Sb, Bi)

F.V. Kalinchenko, M.P. Borzenkova and A.V. Novoselova

(Moscow State University, Moscow)

Influence of crystallization temperature of products of thermal decomposition of simultaneously precipitated hydroxides of cobalt(II) – copper(II) – chromium (III) on dispersity of the spinel phase

I.I. Kalinochenko, O.A. Antropova and A.I. Purtov

(Ural Polytechnic Institute, Sverdlovsk)

Behavior of pyrite during heating

V.A. Luganov and V.I. Shabalin
(Kazakh Polytechnic Institute, Alma-Ata)

Investigation of thermal stability of zinc borohydrides and its derivatives

N.N. Maltseva and N.S. Kedrova
(Institute of General and Inorganic Chemistry of Academy of Sciences of the U.S.S.R., Moscow)

Thermal investigation of $(NH_4)_3WO_2F_5$, $(NH_4)_2WO_2F_4$ and $(NH_4)_2MoO_2F_4$

E.I. Melnichenko, E.G. Rakov, D.G. Epov and S.A. Polishchuk
(Institute of Chemistry of Far-East Scientific Centre of Academy of Sciences of the U.S.S.R., Vladivostok;
Moscow Institute of Chemical Technology, Moscow)

Thermogravimetric investigation of kinetics of thermal decomposition of nitrates of alkaline and alkaline-earth metals

Yu.A. Moiseeva, A.S. Mirzayan, V.A. Zavadsky, S.P. Novikova, G.I. Ksandopulo and V.D. Gladun
(Kazakh State University, Alma-Ata)

Physico-chemical investigation of systems of selenide of zinc (cadmium) – selenide of germanium (tin)

A.V. Novoselova, I.N. Odin and E.A. Galiulin
(Moscow State University, Moscow)

Thermal analysis of binary nitrates of potassium and ammonium

O.S. Novikova, Yu.V. Tsekhanskaya, M.B. Blinova and O.I. Titova
(GIAP, Moscow)

Thermal stability of thiocarbamide-complexes of zinc

A.A. Opalovsky, T.F. Gudimovich, V.P. Safanov, Yu.A. Anfimov, L.M. Tikhonenko and L.D. Ishkova
(Odessa State University, Odessa;
IMGRE, Moscow)

Phase equilibria in region of compounds of $TlPbI_3$, Tl_3PbI_5, $TlSnI_3$, $TlSn_2I_5$, Tl_3PbBr_5, $TlPb_2Br_5$

E.Yu. Peresh, V.V. Tsygika and V.V. Kulynyuk
(Uzhgorod State University, Uzhgorod)

Influence of pressure of pressing on powder-like hydroxides on results of their thermal analysis

V.Yu. Polazhaev, Yu.M. Polezhaev and M.V. Mishkevich
(Ural Polytechnic Institute, Sverdlovsk)

Thermal transitions of sodium fluoroaluminates

V.N. Polosina, S.A. Frolkova, V.F. Shevchenko and G.E. Dmitrevksy
(Odessa Engineering Sea College, Odessa)

Thermal investigation of complexes of d-2 metals with sulphur- and nitrogen-containing ligands
A.I. Prisyazhnyuk, O.I. Dzhambek, V.A. Karpinchik and T.V. Koksharova
(Odessa State University, Odessa)

Thermal dehydratation of acetates of transition and non-transition metals
Z.N. Prozorovskaya, I.V. Arkhangelsky and Kh.A. Kostilio
(Moscow State University, Moscow)

Thermoanalytical investigation of picolinates of several bivalent metals
Z.N. Prozorovskaya, I.V. Arkhangelsky and M. Sayes
(Moscow State University, Moscow)

Thermogravimetric investigation of the system $KNbO_3$-KVO_3
L.M. Rudkovskaya and V.G. Smotrakov
(Research Institute of Physics, Rostov-na-Donu)

Thermal investigation of interaction between ammonium nitrate and carbamides
M.T. Saibova, D.P. Ugay and M. Askarova
(Institute of Chemistry of Academy of Sciences of the Uzbek S.S.R., Tashkent)

Investigation of tertiary and quaternary systems of chalcogenides of arsenic and gallium by means of differential thermal analysis
M.G. Safarov and I.I. Aliev
(Institute of Inorganic and Physical Chemistry of Academy of Sciences of the Azerbaijan S.S.R., Baku)

Thermal analysis of synthetic brucite
S.V. Sinelnikov and V.M. Gropyanov
(Leningrad Technological Institute of Cellulose-Paper Industry, Leningrad)

Investigation of certain properties of tetraalkylammonium polyiodides
B.D. Stepin, A.A. Tsvetkov, M.V. Saveleva and S.V. Krynkina
(Moscow Institute of Fine Chemical Technology, Moscow)

Thermal dissociation of crystallohydrates of aluminium nitrate
Yu.L. Supotsky and T.S. Slashcheva
(Chemico-Technological Institute, Moscow)

Determination of heats of fusion of chalcogenides of zinc and cadmium
V.N. Tomashik, Z.F. Tomashik, P.A. Mizetsky and G.S. Oleynik
(Institute of Semiconductors of Academy of Sciences of the Ukrainien S.S.R., Kiev)

Investigation of thermal decomposition of borates of calcium and magnesium
V.Kh. Khazikhanova, B.A. Beremzhanov, R.F. Savich and V.G. Kalacheva
(Institute of Chemistry of Oil and Natural Salts of Academy of Sciences of the Kazakh S.S.R., Gurev)

Thermal decomposition of oxalates of lanthanides and their compounds with hydrazine in argon atmosphere
V.A. Sharov and G.V. Bezdenezhnykh
(Ural Polytechnic Institute, Sverdlovsk)

Thermal investigation of binary salts of rare-earth elements
V.G. Shevchuk, V.M. Skorikov and M.K. Onishchenko
(Poltava Engineering-Constructional Institute, Poltava)
Physico-chemical investigation of systems $Bi_2O_3 - BiX_3$ (X = Cl, Br)
B.Z. Nurgaliev, B.A. Popovkin and A.V. Novoselova
(Moscow State University, Moscow)

SECTION III
Organic materials

Purposeful change of melting points of organic compounds (example of aryl-anilides)
N.P. Lushina
(Polytechnic Institute, Kuibyshev)
Application of thermal analysis to study of molecular motion in polymers
O.I. Romanko, A.T. Kalashnik, S.P. Papkov and G.I. Kudryantsev
(Scientific-Industrial Society "Khimvolokno", Mytishy)
Possibilities of thermal analysis in investigation of composition, structure and chemical transformation of polymers of different types
V.N. Salaurov, V.N. Kurochkin and V.A. Lopyrev
(Institute of Organic Chemistry of Siberian Branch of Academy of Sciences of the U.S.S.R., Irkutsk)
Thermal analysis of injected and block-copolymers
L.P. Krul, A.P. Polikarpov, I.F. Osipenko, N.R. Prokopchuk and L.I. Shunkevich
(Institute of Physical and Organic Chemistry of Academy of Sciences of the Byelorussian S.S.R., Minsk;
Byelorussian State University, Minsk)
Investigation of supermolecular structure of organization of oxidized bitumen-products from oil by DSC
G.V. Abramovich, I.A. Posadov and D.A. Pozental
(Lensovet Technological Institute, Leningrad)
Investigation of interaction and reactivity of components of coal during coking by thermogravimetry
L.N. Aksenov, A.P. Bronshtein, G.N. Makarov and A.N. Povalyaev
(Mendeleev Chemico-Technological Institute, Moscow)
Thermogravimetric study of silver stearate
V.M. Andreev, Yu.I. Mikhaylov and L.P. Burdleva
(Institute of Solid State Chemistry and Processing of Mineral Raw Materials of Siberian Branch of Academy of Sciences of the U.S.S.R., Novosibirsk)
Investigation of destruction and stabilization of poly(oxadiazole) fibers by thermal analysis
I.N. Andreeva and A.S. Semenova
(Scientific-Industrial Society "Khimvolokno", Mytishy)

Thermooxidative destruction of bisulphite derivatives of copolymers of acroleine with acrylic acid

V.Z. Annenkova, V.M. Annenkova, N.P. Romankova and M.G. Voronkov
(Institute of Organic Chemistry of Siberian Branch of Academy of Sciences of the U.S.S.R., Irkutsk)

Thermogravimetric investigation of electric insulating materials from cellulose

I.Z. Bautina, L.K. Akimova and A.V. Ryabkov
(Mari Department of All-Union Research Institute of Paper of All-Union Scientific-Industrial Society "Bumprom", Volzhk)

Influence of nitrosoether-groups on thermal decomposition of monocarboxyl-celluloses

I.A. Bashmakov, L.V. Soloveva, N.G. Rafalsky, I.N. Ermolenko and F.N. Kaputsky
(Byelorussian State University;
Research Institute of Physico-Chemical Problems of Byelorussian State University;
Institute of General and Inorganic Chemistry of Academy of Sciences of the Byelorussian S.S.R., Minsk)

Complex application of thermoanalytical methods to investigation of ageing and fast characterization of thermal stability of electric insulating materials

T.S. Bebchuk, E.Ya, Eroshina, V.V. Matyukhin and N.M. Muzafarova
(All-Union Research Institute of Electric Insulating Materials, Moscow)

Thermal properties of injected copolymers of poly(methyl methcrylate) with nitrolignine

A.A. Berlin, G.B. Chernyakovskaya and B.I. Chernyak
(Polytechnic Institute, Lvov)

Application of thermal analysis in producing glass-filled polyamides of different crystallinity

V.S. Bil, E.V. Samardukov and N.I. Kuzina
(Scientific-Industrial Soceity "Plastmassy", Moscow)

Peculiarities of crystallization of water on ion-exchanging polymeric membranes

V.S. Bil, E.V. Samardukov and G.K. Saladze
(Scientific-Industrial Society "Plastmassy", Moscow)

Investigation of thermal and termooxidative stability of poly(methylphenylsiloxane) resines containing heterocyclic siliciumorganic siloxy-units

E.D. Vasilev, N.V. Varlamova, T.I. Sunekants and F.N. Vishnevsky
(GNIIKhTEOS, Moscow)

Investigation of thermooxidative destruction of organosililethanes and polyorganosiloxanes vulcanized by them

I.V. Burmistrova, E.P. Lebedev, M.D. Mizhiritsky, V.A. Bylev, T.E. Yasnikova, V.O. Reykhsfeld and R.I. Krikunenko)
(Department of All-Union Research Institute of Synthetic Rubber, Kazan)

Study of hardening of phenols by urothropine by DTA

V.Yu. Bondarenko and V.M. Kostyuechenko

(All-Union Design-Technological Research Institute of Oil Chemistry Machinery, Volgograd)

Thermal destruction of KF-MT resin in presence of mineral additives

N.F. Vasileva, A.I. Galaktionov, E.F. Gusarov and A.A. Kudinova

(Research Institute of Building Constructions, Moscow)

Thermoanalytical investigation of complexes of copper(II) with N-substituted tetrasoles

P.N. Gaponik, M.M. Degtyarik, V.A. Lyutsko and A.I. Lesnikovich

(Research Institute of Physico-Chemical Problems of Byelorussian State University, Minsk)

Investigation of lifetime and reactivity of powdered epoxide-compositions by DTA

N.S. Gromakov, T.V. Chernova and V.G. Khozin

(Engineering-Constructional Society, Kazan)

Investigaton of thermal decomposition of certain polymers

A.M. Grishin, V.E. Abaltusov, T.N. Nemova, T.V. Podaneva and V.N. Trushnikov

(State Universy, Tomsk)

Application of thermal analysis to investigation of interaction of boric acid with o-oxymethylphenol (saligenin)

V.V. Grundshtein, I.M. Vitol and E.M. Shvarts

(Institute of Inorganic Chemisry of Academy of Sciences of the Latvian S.S.R., Riga)

Investigation of kinetics of water emanation formed during thermal destruction of hydrocarbons

G.E. Domburg, G.A. Rossinskaya, A.E. Mikelson, R.V. Luks, E.Yu. Kheysoo and V.Ya. Efremov

(Institute of Wood Chemistry of Academy of Sciences of the Latvian S.S.R., Riga)

Change in decomposition mechanism of phenyl-propyl monomers of lignine in presence of phosphoric acid

G.V. Dobele, G.E. Domburg, T.N. Skripchenko and G.A. Rossinskaya

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Study of oxidation of polymeric coatings by means of thermal analysis

N.I. Egorenkov, A.I. Kuzavkov and V.V. Evmenov

(Institute of Mechanics of Metallo-polymeric systems of Academy of Sciences of the Byelorussian S.S.R., Gomel)

Thermal analysis of turf in different experimental conditions

V.K. Zhukov

(Institute of Turf of Academy of Sciences of the Byelorussian S.S.R., Minsk)

Quantitative investigation of thermal destruction of polymers

I.V. Zhuravleva, M.V. Razmerova and S.S. Pavlova

(Institute of Organoelemental Compounds of Academy of Sciences of the U.S.S.R., Moscow)

Thermal conditions of formation of structure of urethane thermoelastoplasts

T.A. Yagfarova, E.T. Magdalev, B.Ya. Teytelbaum, M.G. Zimina and N.P. Apukhtina

(Institute of Organic and Physical Chemistry of Kazan Department of Academy of Sciences of the U.S.S.R., Kazan;

All-Union Research Institute of Synthetic Rubber, Leningrad)

Investigation of processes of thermal decomposition of cellulose hydrate in presence of ammonium chloride

E.M. Eskov, T.N. Zhuykova, V.L. Zak, G.I. Kurnevich and Z.M. Loyko

(All-Union Research Institute of Electrocarbon Materials, Moscow;

Byelorussian State University, Minsk)

Determination of heat capacity of hard coal by means of differential scanning calorimetry

V.P. Ignashin, V.K. Popov and N.D. Rusyanova

(East Research Institute of Coal Chemistry, Sverdlovsk)

Investigation of complexes of bis-(N-phenyl)-pyromelliteamide acid with aprotonic solvents by means of thermal analysis

S.A. Dauengauer, L.A. Shibaev and Yu.N. Sazanov

(Institute of Macromolecular Compounds of Academy of Sciences of the U.S.S.R., Leningrad)

Phase diagram of the system poly(oxyethylene)-dimethylphtalate

M.D. Demchenko and M.A. Fedorov

(Institute of General and Inorganic Chemistry of Academy of Sciences of the U.S.S.R., Moscow)

Thermal destruction of compounds modeling lignine-carbohydrate bond of wood-complex

G.V. Dobele, G.E. Domburg, G.A. Rossinskaya and T.N. Skripchenko

(Institute of Wood Chemistry of Academy of Sciences of the Latvian S.S.R., Riga)

Investigation by DTA of transitions of oxides of tertiary arsines under the influence of haloid-derivates

Z.M. Izmaylova, Yu.F. Gatilov, V.P. Kovyrzina and B.E. Abalonin

(State Teachers' Training College, Kazan)

Determination of quantity of sorbed water of mono- and polylayers by means of thermogravimetry and NMR

E.A. Kolosovskaya

(Institute of Forests and Wood of Siberian Branch of Academy of Sciences of the U.S.S.R., Krasnoyarsk)

Investigation of poly(pyromellite-imide) fibers by means of DTA
A.T. Kalashnik, and O.I. Romanko
(Scientific-Industrial Society "Khimvolokno", Mytischi)

Differential thermal analysis: a basic method of investigation of intermediate nematic and smectic phases in liquid crystalline systems
G.I. Karpushkina, V.A. Molochko, N.K. Semendyaeva and M.V. Sobolevsky
(Institute of General and Inorganic Chemistry of Academy of Sciences of the U.S.S.R., Moscow)

Investigation by thermal analysis of influence of mechanical stresses on chemical transformations in fibers
G.M. Kerch, G.A. Karlsone and L.A. Irgen
(Institute of Mechanics of Polymers of Academy of Sciences of the Latvian S.S.R., Riga)

Application of pyrolytic gas chromatography for investigation of thermal stability of poly(capro-amide) hollow fibers
A.R. Kogerman, O.G. Kirret and L.V. Kutina
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Thermogravimetric investigation of complex chelates on basis of injected copolymers of carboxy-methylcellulose with poly(methylacrylate)
L.E. Lukavskaya
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Investigation of thermal decomposition of polyimides on basis of dianhydrides of tricyclodecentetracarbonic acids and aromatic diamines
M.B. Lenonova, B.A. Zhubanov, V.V. Tsvetkov, G.M. Mirkarimova, V.D. Kvartsova, O.A. Almabekov, S.K. Kudaykulova and G.I. Boyko
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Investigation of thermal behavior of bitumen mixed with synthetic polymers
N.A. Lapina, I.M. Tsiruleva, V.V. Kulakov and V.S. Ostrovsky
(Moscow)

Investigation of processes of formation of thermoreactive polymeric compositions by methods of thermal analysis
L.B. Lebedev, V.M. Aleksashin and G.P. Mashinskaya
(Moscow)

Investigation of thermal stability of carbon-based fibrillous materials
T.K. Mikhaylova, S.G. Fedorkina, M.N. Goroshkova, Yu.V. Volkov, V.O. Gorbacheva and A.A. Konkin
(VNIIVPROEKT, Mytischi)

Investigation of influence of additives of non-mesogenic character on temperature of phase transitions and rapidness of liquid crystalline materials
V.A. Molochko, Z.A. Chernaya, R.A. Lidin, I.A. Kleyman and O.I. Agapova
(Institute of Fine Chemical Technology, Moscow)

Thermal analysis of p-oxybenzoates of transitions metals and rare-earth elements
Kh.S. Mamedov, F.N. Musaev, B.T. Usubaliev, G.N. Nadzharov and M.S. Khiyalov
(Institute of Inorganic and Physical Chemistry of Academy of Sciences of the Azerbajan S.S.R., Baku)

Several peculiarities of thermal decomposition of fire-proof foaming materials
I.I. Nikitina, A.A. Kan, N.G. Paltseva and B.A. Zhubanov
(Institute of Chemical Sciences of Academy of Sciences of the Kazakh S.S.R., Alma-Ata)

Thermogravimetric investigation of composition of polymeric products of hydrolysis of tetraethoxysilan
E.E. Kalaus
(LNPO "Pigment", Leningrad)

Criteria of thermal stability of polyimides
Yu.N. Sazanov and L.A. Shibaev
(Institute of Macromolecular Compounds of Academy of Sciences of the U.S.S.R., Leningrad)

Thermal analysis of recrystallization and reorganization in polymers
M.Sh. Yagfarov
(Institute of Organic and Physical Chemistry of Kazan Department of Academy of Sciences of the U.S.S.R., Kazan)

Investigation of hardening process of epoxid-novolac lac compositions by DTA and DTG
N.E. Bondarenko
(Lensovet Technological Institute, Leningrad)

Investigation by means of dynamic thermogravimetry of kinetics of thermal and thermooxidative destruction of cycloalifatic polyimides
N.R. Prokopchuk, E,T. Krutko and A.I. Volozhin
(Institute of Physico-Organic Chemistry of Academy of Sciences of the Byelorussian S.S.R., Minsk)

DTA investigation of structural chemical transformations of natural silk
M.V. Polovnikova, S.D. Kostyuk and B.E. Geller
(Institute of Textile and Light Industry, Tashkent)

Investigation of temperature transitions in polymeric substances by means of spectroscopy of re-evaporated atoms of metals
A.V. Rogachev and V.V. Kharitonov
(Engineering Institute of Rail-Road Transport, Gomel)

Thermogravimetric method of estimation of chemical inhomogeneity of coke
S.P. Rodkin and A.I. Kazachkov
(INUS at Irkutsk University, Angarsk)

Thermal and calorimetric analysis of a number of binary mixtures of nitrocellulose with plasticizers
I.B. Rabinovich, A.N. Mochalov, T.B. Khlyustova, V.F. Uryash and N.Yu. Kokurina
(Research Institute of Chemistry at State University, Gorky)

Thermal investigation of isomerization and decomposition of complexes of Pt(II) and Pd(II) with 3-aminocumarine

L.M. Ryzhenko, A.D. Shebaldova and O.E. Koblova

(State University, Saratov)

Thermal analysis of chlorinated carbon-chain polymers

M.Yu. Sinev, B.M. Maevskaya, A.N. Ladina, G.M. Ronkin and A.Z. Sharbutov

(GOSNIIKhLORPROEKT, Moscow)

Thermogravimetric and IR-spectroscopic investigation of complex salts of monoethanolamine with acids

M.T. Saibova, V.M. Khasanova, R.M. Rustamova, G.Kh, Ismailova and Z. Isabaev

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Differential thermal analysis of polymers in vacuum

N.I. Tiskhkov

(Institute of Mechanics of Metallo-Polymeric Systems of Academy of Sciences of the Byelorussian S.S.R., Gomel)

Thermogravimetric investigation of coals as raw materials for destructive hydrogenization

Z.S. Smutkina, V.I. Sekrieru and G.B. Skripchenko

(Institute of Combustible Minerals, Moscow)

Application of thermal analysis for forecast of thermal stability of polymers at fast heating

E.N. Zadorina, G.E. Vishnevsky and Yu.V. Zelenov

(Aviation Institute, Textile Institute, Moscow)

Investigation of thermal properties of mixed systems on basis of aromatic polyimide and poly(acrylnitril)

O.V. Troitskaya, R.G. Fedorova, L.M. Arsenteva, I.F. Khudoshev, and G.I. Kudryantsev

(Scientific-Industrial Society "Khimvolokno", Mytischi)

Investigation of transformations of iron during the process of self-heating of turf

P.L. Falyushin and T.Ya. Kashinskaya

(Institute of Turf of Academy of Sciences of the Byelorussian S.S.R., Minsk)

Investigation of thermal transformation of organic fibers containing heat-resisting compounds

T.M. Ulyanova, I.N. Ermolenko and I.P. Polyakov

(Institute of General and Inorganic Chemistry of Academy of Sciences of the Byelorussian S.S.R., Minsk)

Determination of surface temperature of burning polyolefines

S.S. Fedeev, V.V. Bogdanova, A.I. Lesnikovich and V.G. Guslev

(Research Institute of Physico-Chemical Problems of Byelorussian State University, Minsk)

Investigation of interaction of copolymers of acrylnitril with complex inorganic compounds by means of DTA and DSC

M.R. Khasanova, A.A. Geller, Z.K. Kairbaeva and Yu.F. Klyuchnikov

(Institute of Textile and Light Industry, Tashkent)

Investigation of thermal properties of a new class of temperature resisting polymers, poly(acrylacetylenes)

I.F. Khudoshev, B.A. Batikyan, L.A. Plyashkevich, Yu.K. Kirilenko and G.I. Kudryavtsev

(VNIIVPROEKT, Mytischi)

Investigation of crystallization of polysiloxanes with aryl and aralkyl substituents on the silicium atom

E.P. Chirko, V.A. Bylev, A.K. Shakhmaeva, G.I. Zayd and E.P. Lebedev

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Interaction of acenaphtene with isomers of trinitrotoluene

N.V. Yumashev, M.D. Demchenko, Yu.A. Lebedev, E.A. Miroschichenko and L.I. Korchatova

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Investigation of polyolefine blends by means of DTA

G.M. Kerch and L.A. Irgen

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Investigation of scandium- and yttrium-arylcarboxylates by means of thermogravimetry, X-ray analysis and IR-spectroscopy

O.E. Koblova, L.M. Vdovina and L.M. Evgrafova

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Teachers' Training College, Saratov)

Comparison of data of pyrolytic gas chromatography with data of thermogravimetry in investigation of thermal stability of polymers

A.R. Kogerman

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Application of thermal analysis to characterization of coal tars

N.A. Lapina and N.I. Andronova

(Moscow)

Determination of kinetic parameters and analysis of exothermal effects during decomposition of polyorganosiloxanes

V.V. Ostrovsky, I.B. Glebova and N.P. Kharitonov

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Kinetics of thermal decomposition of phosphate of ethanolamine

M.N. Nabiev and Z. Isabaev

(Institute of Chemistry of Academy of Sciences of the Uzbek S.S.R., Tashkent)

Thermal analysis of injected copolymers of poly/ethylene terephtalate/ with poly-/acrylic acid)

I.F. Osipenko, V.I. Martinovich and N.R. Prokopchuk

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Thermal transformations of cadmium monocarboxylates

V.V. Panevchik, V.M. Goryaev and V.V. Vaschuk

(State Institute of National Economy, Minsk)

Application of thermal analysis to investigation of structure of pyrocatechineborates of alkaline metals and ammonium

V.S. Sagulenko and V.G. Kalacheva

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Thermogravimetric investigation of humic acids of soils

N.K. Semenova and I.I. Shamonov

(Timiryazev Agricultural Academy, Moscow)

Application of thermoanalytical methods for quality control of poly-/p-oxybenzoil/

V.P. Slugin, E.K. Ignateva, S.V. Bolotova, V.A. Strelnikova and V.I. Andreeva

(Research Institute of Chemical Industry of Scientific-Industrial Society "Karbolit", Kemerovo)

Alteration of thermal stability of lignine as a result of its modification by silicium-organic compounds

G.M. Telysheva, G.N. Lebedeva, R.E. Pankova, G.A. Rossinskaya and V.N. Sergeeva

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Investigation of arylarsonium acids by means of DTA

F.D. Yambushev, V.P. Kovyrzina, G.I. Kokorev and N.Kh. Tenisheva

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Qualitative estimation of composition of oils by means of thermal analysis

I.M. Tiunova, D.E. Diskina and K.M. Badyshtova

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Identification of mineral and synthetic oils by methods of thermal analysis

I.M. Tiunova, D.E. Diskina and B.N. Kononyuk

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Influence of fractionation during crystallization on structure of crystalline state of oligomeric ethylene glycole

E.P. Chirko

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Application of thermal analysis to investigation of complex compounds of boron with 4- and 5-chlorsalicylic acids
A.A. Teraud, I.M. Vitol and E.M. Shvarts
(Institute of Inorganic Chemistry of Academy of Sciences of the Latvian S.S. R., Riga)

Investigation of phase-aggregateous transitions in urethane thermoelastoplastes
D.F. Yakovenko, V.A. Bylev and E.P. Chirko
(Department of All-Union Research Institute of Synthetic Rubber, Kazan)

Thermal transformations of mixed ligand hexaamine complex salts of chromium(III)
Yu.N. Shevchenko, V.V. Sachok and K.B. Yatsimirsky
(Institute of Physical Chemistry of Academy of Sciences of the Ukrainien S.S.R., Kiev)

Processes of solid state cis-trans isomerization in complexes of chromium(III) with aliphatic tetraamines
K.B. Yatsimirsky, Yu.N. Shevchenko and E.A. Pisarev
(Institute of Physical Chemistry of Academy of Sciences of the Ukrainien S.S.R., Kiev)

Solid state reactions of substitution of ligands in amine complexes of cobalt(III) and chromium(III) with borohydride anions and their possible mechanisms
N.Y. Yashina, Yu. N. Shevchenko and K.B. Yatsimirsky
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SECTION IV

Minerals. Building materials

Theory of dissociation of carbonates and their isomorphic miscibility
D.M. Goldin, G.V. Kulikova and L.K. Furmakova
(VSEGEI, Leningrad)

New data regarding to determination of physical properties of carbonate containing rocks by thermal analysis
A.M. Ivanov and Yu.V. Afanasev
(Polytechnic Institute, Kuibyshev)

Physico-chemical investigation of thermal decomposition of aluminiumsilicate rock from Ermakovsk
A.F. Artemeva and M.G. Yartsev
(Politechnic Institute, Kuibyshev)

Determination of activation energy of dehydratation of certain metals
A.F. Artemeva and M.G. Yartsev
(Polytechnic Institute, Kuibyshev)

Thermal decomposition of inderborite and hydroboracite

G.K. Abdullaev and Kh. S. Mamedov

(Institute of Inorganic and Physical Chemistry of Academy of Sciences of the Azerbajan S.S.R., Baku)

Thermal analysis of a new magneisum binder

V.A. Veletskaya and I.G. Luginina

(Technological Institute of Building Materials, Melgorod)

Comparative thermal analysis of carbonate rocks used in the cement industry

L.G. Bernshtein, M.V. Kougiya, E.D. Rolnik and V.L. Ugolkov

(Giprocement, Leningrad)

Thermogravimetric investigation of process of simultaneous dehydratation of sulphate-phosphate mixtures

B.A. Beremzhanov, G.P. Kiyatkin and U.Zh. Dzhusipbekov

(Kazakh State University, Alma-Ata)

Structural-physical changes in serpentine during heating

B.A. Beremzhanov, G.S. Kuanysheva and G.R. Makasheva

(Kazakh State University, Alma-Ata)

Thermal investigation of clinoptilolite, phillipsite and mordenite from sites of stratiform zeolites of Meskheti (Gruziya)

T.V. Batiashvili

(Geological Institute of Academy of Sciences of the Grusian S.S.R., Tbilisi)

Determination of heats of transformations and heat capacities of minerals in cement raw mixture

V.G. Vladinos, V.P. Egunov, T.K. Urazaeva and A.A. Oprishko

(Scientific-Industrial Society "Promavtomatika", Grozny)

Calorimetric investigation of pyrite and arsenopyrite

P.S. Gordienko, S.B. Buslanova and V.I. Sheptiy

(Institute of Chemistry of Far-East Scientific Centre of Academy of Sciences of the Byelorussian S.S.R., Minsk)

Application of DTA to characterization of state of hydroxylic blanket and thermal stability of synthetic zeolites

V.Ya. Danyushevsky, V.D. Nissenbaum, I.V. Mishin and V.I. Yakerson

(Institute of Organic Chemistry of Academy of Sciences of the U.S.S.R., Moscow)

Application of thermal analysis data to estimation of facial conditions of formation of neogenic clays of Byelorussia

N.V. Zaytseva

(Institute of Geochemistry and Geophysics of Academy of Sciences of the Byelorussian S.S.R., Minsk)

Criteria of analysis of the raw material and process of hydrothermal treatment for producing hard and technical gypsum

V.A. Zapol, V.S. Radzyushonok, O.N. Sosnovskaya, Yu.Ya. Grandans and Ya. R. Grabis

(Latvian Building Research Institute, Riga)

Thermal behavior of dolomite

V.G. Kulikova, E.L. Rozinova, G.M. Boborykina and O.Yu. Dubik

(VSEGEI, Leningrad)

Investigation of hydratation processes of Portland-cement compositions by means of DTA

V.S. Izotov, V.A. Boychuk and T.P. Izotova

(Engineering-Constructional Institute, Kazan)

Application of Derivatograph supplemented with a thermogas-titrimetric unit for determination of carbon-containing metarial in "balck shales"

T.N. Krasavina and L.N. Furmakova

(VSEGEI, Leningrad)

Dehydratation and repeated hydratation of hydroaluminates and hydrogarnets of calcium

V.I. Korneev and G.N. Kasyanova

(Lensovet Leningrad Technological Institute, Leningrad)

Possibility of application of DTA to determination of degree of mechanical activation and decomposition of pyrrhotite and pyrrhotite-concentrate

V.G. Kulebakin and A.L. Sirkis

(Institute of Mining of Siberian Branch of Academy of Sciences of the U.S.S.R., Novosibirsk)

Possibilities of quantitative determination of chrisotile-asbestos according to mass-losses

D.N. Solodovnikov, A.I. Vezentsev and A.M. Kazantsev

(Technological Institute of Building Materials, Belgorod)

Investigation of thermal transformations in Estonian phosphorite

Yu.Kh. Pyldme and M.E. Pyldme

(Polytechnic Institute, Tallin)

Thermal analysis of phosphoric acidic-thermal treatment of apatite concentrate from Kovdor

M.E. Pyldme, K.O. Tynsuaadu and A.I. Trikkel

(Polytechnic Institute, Tallin)

Influence of presence of fluorite-additive on dissociation of dolomite

V.G. Petrischeva and L.V. Afimov

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Application of thermal analysis to estimation of influence of additives on processes of clinker-formation
K.F. Paus, N.A. Shapovalov and S.A. Lunev
(BT ISM, Belgorod)

Investigation of dehydratation of perlites by means of modified differential thermal analysis
V.V. Nasedkin, G.O. Piloyan and A.M. Garaev
(IGEM of Academy of Sciences of the U.S.S.R., Moscow)

Thermogravimetric investigation of fluorite-concentrate and welding materials
L.P. Moysov, B.P. Burylev, Z.A. Temerdashev, A.I. Kretov, A.S. Petrov and A.M. Vasilev
(Krasnodar Department of All-Union Research Institute Montazhspecstroy;
Kuban State University, Krasnodar;
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Methodics of investigation of oxidation kinetics of silicium carbide in non-isothermal conditions
L.V. Miroshnichenko and V.K. Zakharenkov
(All-Union Institute of Fire-Proof Materials, Leningrad)

Determination of water in palygorskite by means of DTA
A.G. Kotlova
(IGEM of Academy of Sciences of the U.S.S.R., Moscow)

Thermogravimetric analysis of shingite and its interaction with slag of blast furnace production
P.P. Mishin, B.P. Burylev, M.A. Tseytlin, V.M. Milman and Z.A. Temerdashev
(Kuban State University, Krasnodar)

Complex differential thermal analysis: basis for development of conditions of burning lithium-containig ceramics
G.N. Maslennikova, L.P. Gavrikova and V.D. Beshentsev
(VNIIEK, Moscow)

Peculiarities of application of thermal methods to synthesis of lithium-containing ceramics
G.N. Maslennikova, F.Ya. Kharitonov, N.P. Fomina and E.A. Sokolina
(Moscow Institute of Control, Moscow)

Investigation of mechanism of dissociation of calcium carbonate by means of thermal method
O.P. Mchedlov-Petrosyan, A.G. Kholodny, R.A. Satarina and V.F. Gribko
(Institute "Yuzhgiprocement", Kharkov)

Connection between thermal decomposition of dolomite with its genetic peculiarities
O.A. Miklukho-Maklay, K.S. Mishchenko, G.A. Rusetskaya and L.N. Furmakova
(VSEGEI, Leningrad)

Investigation of kinetics of the basic mass of the organic material of sedimentary rocks for estimation of basic oil-gas potential of disturbing sediments
V.E. Loginova, O.K. Navrotsky and O.V. Dubinina
(Nizhne-Volzhsky Research Institute of Geology and Geophysics, Saratov)

Investigation of mechanism of heat transfer in fire-proof materials by means of methods of thermal analysis

E.Ya. Litovsky, F.S. Kaplan, A.V. Klimovich, L.V. Miroshnichenko and V.E. Shvayko-Shvaykovsky

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Investigation of thermal decomposition of phosphogypsum

R.O. Kuusik, E.Kh. Kyarblane and O.A. Teplov

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Investigation of synthetic hydrocalcite by means of thermal analysis and IR-spectroscopy

T.A. Korneva, L.T. Kovaleva and G.I. Lyubushko

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Analytical determination of trioctahedral chlorites on basis of DTA-curves

B.M. Kobtsev

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High-temperature DTA as method of investigation of dynamics of physico-chemical transformations during thermal treatment of Portland-cement stock

M.V. Kougiya and V.L. Ugolkov

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Thermal transformations in natural borates

I.G. Svayko, G.N. Kononova, A.Ya. Tavrovskaya and A.M. Podorozhniy

(Institute of Fine Chemical Technology, Moscow)

Thermal analysis in study of minerals on the surface of earth

I.B. Samatov

(Institute of Geological Sciences of Academy of Sciences of the Kazakh S.S.R., Alma-Ata)

Investigation of certain properties of glasses by methods of thermal analysis

I.V. Stefanyuk, L.G. Khodsky and A.E. Kofman

(Institute of General and Inorganic Chemistry of Academy of Sciences of the Byelorussian S.S.R., Minsk)

Limits of change of density of decomposing materials at high temperatures

V.I. Tyukaev, I.P. Polyakov and N.L. Yadrevskaya

(Institute of Heat- and Mass-Transfer of Academy of Sciences of the Byelorussian S.S.R., Minsk)

New data on thermal transformations of synthetic hydrostannates of simple and complex compositions

A.M. Urmanova, L.S. Solntseva, Yu.N. Shuvalova and G.A. Sidorenko

(All-Union Institute of Mineral Raw Materials, Moscow)

Influence of morphology of crystals on certain parameters of curves of thermal analysis
Yu.G. Fedorenko, D.Z. Rakhmangulova and E.G. Kukovsky
(Institute of Geochemistry and Physics of Minerals of Academy of Sciences of the Ukrainien S.S.R., Kiev)

Thermal analysis of crystallization of pyroxene-containing glasses
L.G. Filatov
(Promstroyniiproekt, Kharkov)

Investigation of process of dehydratation of several natural clinoptilolites by means of thermal analysis
V.G. Tsitsishvili, G.O. Piloyan, L.K. Kvantaliani and D.S. Chipashvili
(Institute of Physical and Organic Chemistry of Academy of Sciences of the Grusian S.S.R., Tbilisi)

Interconnection of thermoanalytical characteristics of quality of chrisotile-asbestos with peculiarities of its crystalline structure
E.N. Shlyapkina and E.Kh. Ivoylova
(VNIIgeolnerud, Kazan)

Thermal analysis as method of identification and study of argillizites
V.Yu. Eshkin
(Mining Institute, Leningrad)

Possibility of diagnostics of chamosite by means of thermal analysis
R.N. Yudin, K.S. Ershova, L.S. Solntseva, E.G. Umnova, and O.V. Scherbak
(All-Union Research Institute of Mineral Raw Materials, Moscow)

Investigation of process of blast roasting of ferrophosphorus with soda by means of thermal analysis
M.N. Kazov, R.A. Kazova and Zh.Kh. Sarkulov
(State University, Karaganda)

Thermal investigation of calcium aluminium-ferrites
V.K. Klassen, A.N. Klassen, V.I. Belyaeva, V.F. Khrushchev and V.N. Lebedev
(Technological Institute of Building Materials, Belgorod)

Investigation of products of grinding of gypsum binder by means of thermal analysis
A.A. Ekibaeva, Yu.Ya. Grandans, O.N. Sosnovskaya and Ya.R. Grabis
(Latvian Building Research Institute, Riga)

Interaction of serpentinite with zinc-chromiumphosphate binders of different density
E.M. Verenkova, N.F. Vasileva and A.A. Kudinova
(Central Research Institute of Building Constructions, Moscow)

Investigation of analogues of zeolites of W and ZK-19 by thermal X-ray analysis and thermogravimetric analysis
D.M. Ganbarov, N.G. Ragimov, N.A. Ganbarova and L.G. Keyserukhskaya
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Investigation of process of vitrification of inorganic glasses and quality control of glassy-crystalline materials by means of DTA
Dzh.A. Geodakyan and, S.V. Stepanyan and L.G. Unanyan
(Yerevan)

Thermal X-ray analysis of zeolites of heulandite group from sites of Azerbajan
S.T. Amirov, N.M. Elchiev and Kh.S. Mamedov
(Institute of Inorganic and Physical Chemistry of Academy of Sciences of the Azerbajan S.S.R., Baku)

Thermogravimetric determination of reactivity of fillers of volcanic origin
L.B. Bagdasaryan
(Research Institute of Construction and Architecture of Gosstroy of the Armenian S.S.R., Yerevan)

New data on DTA study of carbonate rocks
A.M. Ivanov and Yu.V. Afanasev
(Polytechnic Institute, Kuibyshev)

Thermal analysis of nepherited varnishes
E.M. Ryabinina and P.A. Kosobokova
(Institute of Chemistry and Technology of Rare Elements and Mineral Raw Materials of Kola Department of Academy of Sciences of the U.S.S.R., Apatity)

Thermogravimetric investigation of hydratation of cement based on electrothermophosphorus slag
A.S. Saduakasov and A.Sh. Shaykezhanov
(Chemico-Metallurgical Institute of Academy of Sciences of the Kazakh S.S.R., Karaganda)

Precision thermogravimetric analysis of cement rock
L.G. Shpynova, M.A. Sanitsky and P.V. Novosad
(Polytechnic Institute, Lvov)