

**A quantitative measurement of the enhancement of the water structure in alcohol/water mixtures by solvatochromic indicators**

Roses, Marti; Rafols, Clara; Rived, Fernando; Bosch, Elisabeth; Buhvestov, Urmas 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 136

**A study of the toxicity of the ozonation products of phenols and chlorophenols by daphnia magna test**

Trapido, Marina; Veressinina, Jelena 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 152

**Adhesion of zymomonas mobilis cell to glass surface**

Bekers, M.; Upite, D.; Kaminska, E.; Laukevics, J.; Ventina, E. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 18

**Adsorption of pyrene on solid particles**

Kirso, Uuve; Irha, N.; Teinemaa, E. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 56

**Allene oxide synthesis in coral by a novel bifunctional enzyme with lipoxygenase and catalase-like domains**

Koljak, Reet; Shieh, Bih-Hwa; Brash, Alan R. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 58

**Analysis and tracing of EDTA and DTPA complexes in waste waters and natural aquatic environment**

Sillanpää, M.; Sorvari, J.; Vickackaite, V.; Sihvonen, M.-L.; Niinistö, L. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 143

**Analysis of dansyl amino acids by liquid chromatography**

Eller, M.; Raidaru, G. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 31

**Analysis of oil shale phenols by capillary electrophoresis**

Ebber, Arkadi; Ivask, Kaie 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 29: ill

**Application of TG-DTG, FTIR and ICP-AES techniques for analysis of historical mortars**

Paama, L.; Pitkänen, I.; Rönkkömäki, H.; Perämäki, P.; Ilomets, Tullio 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 104

**Application of the ion chromatography for the speciation of the sample components in atom absorption spectroscopy**

Kaljurand, Mihkel; Viitak, Anu; Treumann, Maili; Jakovleva, Irina; Hödrejäv, Helvi 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 46

**Asymmetric induction in aldol-Tishchenko reaction with optically active binaphthol catalysts**

Loog, O.; Mäeorg, U.; Pehk, Tõnis 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 77

**Audio-visual material for teaching coordination compounds**

Jüriado, E.; Tamm, L.; Almers, R. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 43

**Bactericidal properties of electrochemically treated water**

Vares, P.; Karki, T.; Tamm, J. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 159

**Binding kinetics of [3H]N-methylscopolamine to porcine atrial muscarinic receptors and its regulation by charbachol**

Dementjev, A.; Rinken, A. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 28

**Bioaccumulation of toxic organic compounds and their isomers into the organism of seals in Estonian coastal waters**

Roots, Ott 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 135

**Biosynthesis of dextran and complexation with FeCl<sub>3</sub> for preparation of antianemic complexes**

Rae, K.; Kumar, J.; Kõlm, I.; Kreen, Malle 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 129

**By-products of dairy processing : chemical-technological and environmental analyse**

Friedenthal, Margus; Kannike, A. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 32

**Cadmium and mercury in Estonian cement industry**

Lääne, Ain; Säärekõnno, Jüri 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 86

**Can O-H acid be more acidic than its S-H analog? Theoretical study of the CF<sub>3</sub>OH and CF<sub>3</sub>SH**

Burk, Peeter; Koppel, Ilmar 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 21

**The changes in the optical properties of Ehrlich carcinoma cells treated with hematoporphyrin derivative and light**

**Tšekulajev, Vladimir; Ševtšuk, Igor; Tšekulajeva, Ludmilla** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 24 [https://www.ester.ee/record=b1059312\\*est](https://www.ester.ee/record=b1059312*est)

**Changes in the structure of carbonate apatite on calcination**

**Peld, Merike; Tõnsuaadu, Kaia; Veiderma, Mihkel;** Koel, Mihkel; **Bender, Villem** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 112

**Changes of yeast cell plasma upon dehydration-rehyd[r]ation process**

Khroustalyova, G.M.; Rapoport, A.I. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 55

**Characterization of aquatic humic substances by size exclusion chromatography**

**Lepane, Viia** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 72

**Chemical and physical-chemical investigations of the terracotta figures of St.John's Church in Tartu**

Piiri, L.; Grassegger, G.; Helves, H.; Utsal, K.; Kõrge, K.; Ilomets, T. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 115

**Chemical composition of food. Analysis of school lunches**

**Pitsi, Tagli; Vokk, Raivo; Liebert, Tiit** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 118

**Chemical engineering - past and present**

Palosaari, Seppo 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 106

**Chemically bonded beta-cyclodextrin stationary phase for liquid chromatographic separation of substituted aromatic compounds**

Karelson, Gunnar; Pentšuk, Jaan 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 50

**Chemistry : the central discipline**

Lochmüller, Charles H. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 75

**Chemistry as a subject according to the opinions of students of different countries**

Lukason, A. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 83

**Chemistry olympiad - the top-level education of school chemistry**

Pullerits, R. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 123

**Coagulation process in water treatment technology**

**Loorits, Hilja** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 78

**Co-condensation reaction of 2,5-dimethylresorcinol with some methylolphenols**

**Köösel, Arne-Enn; Christjanson, Peep; Suurpere, Aime** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 66

**Colorimetric study of colour stability of untreated and dyed wood**

**Süld, Tiia-Maaja; Rohumaa, Anti; Kaps, Tiit** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 147

**Comparative thermal analysis of Estonian carbonaceous rocks**

**Trikkel, Andres; Aasa, Priit; Kuusik, Rein, keemik** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 155

**Composition of polycyclic hydrocarbons in the supercritical carbon dioxide extracts of oil shales**

Bondar, E.; **Liiv, Milana;** Koel, Mihkel 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 19

**A convenient method for the trimethyl silylation of acetylenic compounds**

Viirlaid, S.; Kelder, Ü.; Kallas, K.; Mäeorg, S.; Mäeorg, U. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 163

**Coral dioxygenases : comparison and contrast with other dioxygenases**

Samel, Nigulas; **Varvas, Külliki; Koljak, Reet;** Valmsen, Karin; **Järving, Ivar** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 138

**Corrosion of the plastic-coated sheet metal**

**Kallavus, Urve; Põldme, Meeme** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 48: ill

**Curing processes of urea and resorcinol resins studied by viscometry**

**Starkopf, Jüri-Aleksander; Arro, Zemfira; Lippmaa, Helle** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997

**Cyclodehydration of 1,4-butanediol on cobalt supported catalysts**

Leite, L.; Lebedevs, A.; Fleisher, M.; Gudriniece, E. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 70

**Derivatives of the activity coefficient**

**Viirja, Andres** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 164

**Description and typical properties of shale oil derived alkyl resorcinol epoxy materials for adhesives and industrial coatings**

Raidma, E. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 130

**Design of rubber pheromone dispensers**

Mõttus, E.; Kuusik, S.; Liblikas, Ilme; Nilson, A.; Kolk, K. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 95

**Determination of phenols by liquid chromatography**

Sooba, E.; Jauregui, O.; Galceran, M.T.; Tenno, T. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 144

**Determination of the changes in the fractional composition of kukersite retorting oil occurring at varied conditions of thermal modification**

Luik, Hans; **Maripuu, Lea**; Vink, Natalia 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 82

**Didactic aspects of integration of chemistry and environmental studies**

Karik, Hergi 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 51

**Direct asymmetric alpha-hydroxylation of beta-hydroxyketones**

**Lopp, Margus; Paju, Anne; Kanger, Tõnis; Pehk, Tõnis** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 79

**Dopaminergic activation of G proteins in rat striatal membranes**

Rinken, A.; Finnman, U.-B.; Fuxe, K. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 133

**Dynamics of water quality in the rivers of Virumaa**

Sillak, H.; Tihane, V. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 142

**Effect of wood species and storage time on particleboards properties**

**Reiska, Rein; Vares, Toomas** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 132

**Effects of light exposure on the uptake and destruction of hematoporphyrin derivative in Ehrlich carcinoma cell suspension**

**Tšekulajev, Vladimir; Ševtšuk, Igor; Tšekulajeva, Ludmilla** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 22

**Effects of the polarity of the environment to the EIZ conformational equilibria of N-arylamides**

Leis, J.; Karelson, Mati; Klika, K.D. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 69

**Electrochemical deposition of Cu, In and Se for production of CuInSe<sub>2</sub> thin films**

**Altosaar, Mare; Kois, Julia** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 16

**Electrochemical methods to establish the surface roughness of solid surfaces**

Lust, Enn; Jänes, A.; Miidla, P.; Sammelselg, V.; Lust, K. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 85

**Electrochemical reduction of oxygen on thin platinum coatings evaporated onto titanium substrate**

Tammeveski, K.; Arulepp, M.; Tenno, T. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 149

**Electrophoretic methods in enzyme polymorphism study**

Karus, A.; Lepiku, T.; Karus, V. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 53

**The emission of sulphur dioxide during thermooxidation of solid fossil fuels**

**Kaljuvee, Tiit; Kuusik, Rein; keemik** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 47

**Employing of the new chemistry syllabus in 10th form**

Viirsalu, E.; Tamm, L. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 165

**Environmental corrosion of silicalcite**

Pöldme, Meeme; Pöldme, Jutta 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 126

**Essential oils of herbs. Stabilization with betha-cyclodextrins**

Vokk, Raivo; Menert, Anne 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 169

**Estonian oil shale industry - an attempt of industrial ecological approach**

Vilu, Raivo; Randla, Tiina 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 167

**ET parameters of some binary mixtures**

Herodes, K.; Koppel, I. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 36

**Gas extraction of oil shales : effect of various factors on the yield and composition of products obtained**

Luik, H.; Maripuu, Lea; Lindaru, E. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 81

**Heavy metals in the roadside soil : chemical analysis and dependency of properties on the local conditions**

Hödrejäv, Helvi; Vaarmann, Aini; Inno, Inga 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 39

**Hydrolysis of butyl acetate**

Johannes, Ille; Tamvelius, Hindrek 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 40

**Impact of ozone and hydrogen peroxide on the natural water**

Maripuu, Lea; Kamenev, Sven; Munter, Rein 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 88

**Improvement of adhesive bond of polyethylene with textiles**

Viikna, Anti; Nikitina, Nonna 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 162

**Improvement study for the dephenolization plant at the RAS Kiviter oil shale processing facility**

Mölder, Leevi; Tamvelius, Hindrek; Tiikma, Laine 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 98

**Industrial exploitation of the algal stratum from Kassari Bay (the Baltic Sea, Estonia)**

Vaher, M.; Truus, Kalle; Sarapuu, M.; Pehk, Tõnis; Kukk, H.; Kollist, A. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 158

**Influence of temperature and medium on substituent effects in alkaline hydrolysis of phenyl benzoates**

Nummert, V.; Piirsalu, M. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 100

**Investigation of photoinduced alterations of hematoporphyrin derivative and serum albumin in aqueous media**

Tšekulajev, Vladimir; Ševtšuk, Igor; Tšekulajeva, Ludmilla 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 23

**Investigations on pointing mortars of glazed bricks from Jaani church (Tartu)**

Helves, H.; Utsal, K.; Piiri, L.; Grassegger, G.; Kõrge, K.; Ilomets, T. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 35

**Isolation and characterization of isoforms of fibrinolytic enzyme-lebetase**

Siigur, Jüri; Samel, M.; Tõnismägi, Külli; Tu, A.T.; Siigur, Ene 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 139

**Lipase-catalysed enantioselective hydrolysis of esters : interpretation of the kinetic results**

Parve, Omar; Metsala, Andrus; Lille, Ülo 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 109

**Measurement of ammonia in air with electrochemical NH<sub>3</sub>-sensor**

Arulepp, M.; Kender, T.; Loodmaa, V.; Tenno, T. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 17

**Measurement of surface energy at the adhesive/substrate interface**

Starkopf, Jüri-Aleksander; Luga, Üllar; Kaps, Tiit; Kurik, Lembit 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 146

**Microcanonical rate constant in case of intramolecular large amplitude vibrations**

Metsala, Andrus 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 92

**Modelling of advanced oxidation processes**

Hautaniemi, Marjaana; Kallas, Juha 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 33: ill

**Nature study in seventh from - integrative course of physics and chemistry**

Pärtel, E.; Tenno, T.; Hellat, K. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 128

**New quality specifications for liquid fuels in Estonia**

Mölder, Leevi 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 97

**Nitrogen balance in the Silmet waste deposit**

Lääne, Ain; Nõmm, Avo 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 87

**On the contamination of Estonian environment by nitroarenes**

Tšekulajev, Vladimir; Ševtšuk, Igor; Tšekulajeva, Ludmilla 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 25 [https://www.ester.ee/record=b1059312\\*est](https://www.ester.ee/record=b1059312*est)

**On the purification of electroplating waste water with magnetite and lead dioxide coated titanium anodes**

Rajalo, Guido; Petrovskaja, T.; Glusko, M. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 131

**On the quantitative description of solvent effects**

Palm, N.; Palm, V. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 105

**On-line diagnostics of aromatic hydrocarbons in the ambient air**

Krasnova, Olga; Babitšenko, S.; Minko, S. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 60

**On-line diagnostics of polycyclic aromatic hydrocarbons in water and waste water**

Davõdova, Olga; Porõvkina, Larisa; Babitšenko, S. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 27

**Oxidation of cyclobutanones with the modified Sharpless catalyst**

Kriis, Kadri; Kanger, Tõnis; Paju, Anne; Pehk, Tõnis; Lopp, Margus 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 62

**Oxidation of phenolic compounds in aqueous solutions**

Preis, Sergei; Terentjeva, Jelena 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 121

**$^{17}\text{O}$  and  $^1\text{H}$  NMR study of  $\text{H}_2\text{O}$  in individual solvents and aqueous solutions of electrolytes**

Mäemets, V.; Koppel, I. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 96

**Periodate oxidation of microbial polysaccharides for immobilization of medicinal enzymes**

Vina, I.; Karsakevich, A.; Bekers, M. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 168

**Periodisation of chemistry studies in Hugo Treffner Grammar School**

Paabo, E. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 102

**Phase transition in solid solutions  $\text{CdSe}_x\text{Te}_{1-x}$**

Volobujeva, Olga; Nirk, Tiit 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 170

**Photocatalytical oxidation of aromatic aminocompounds**

Preis, Sergei; Kritševskaja, Marina; Hartšenko, Anna 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 120

**Photocatalytical oxidation of oil products**

Preis, Sergei; Hartšenko, Anna 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 119

**Photochemical transformation of polycyclic aromatic hydrocarbons on solid particles**

Teinemaa, E.; Kirso, Uue 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 150

**Pinacol type condensation of some C**

Loodmaa, E.; Kallas, K.; Mäeorg, S.; Mäeorg, U. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 76

**Pinch analysis for sustainable technology**

Mikkal, Valdek; Kamenev, Inna; Tali, Enn 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 93

**Polycyclic aromatic hydrocarbons in soil : analysis and distribution**

Trapido, Marina; Junninen, H. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 153

**Polysaccharide composition of Estonian wheat**

Veskus, Tiina 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 161

**Possibilities of production of active carbon from biological sludge**

Pikkov, Lui; Kallas, Juha; Rikmann, Ergo 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 117

**Prediction the structure of protein kinase C catalytic domain by homology modelling**

Kreepuu, Andres 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 61

**Preparation of highly enantiopure stereoisomers of 1-(2,6-dimethylphenoxy)-2-aminopropane (mexiletine)**

Aav, Riina; Martin, Ivar; Claesson, Alf 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 15

**Problems with curriculum application in teaching of chemistry**

Pöldme, Meeme 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 125

**Production of sweet skim milk powder**

Uus, Endel; Tearo, Eduard; Tali, Enn; Remmelkoor, K.; Rüstern, K. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 157

**Quantitative relationship between rate constants of the gas phase homolysis of C-X bonds and molecular descriptors**

Hiob, R. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 37

**Quantum chemical approach to the prediction of the stability constants of complexes**

Muinasmaa, U.; Burk, Peeter; Pentšuk, Jaan 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 94

**Quantum chemical exploration of intermediates in the Horner-Wadsworth-Emmons condensation**

Martin, Ivar; Vares, L.; Rein, T. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 89

**Quantum chemical modeling of the effect of proline residues on peptide conformation**

Sak, Katrin 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 137

**Quantum chemical study of the merostabilization of carbon radicals and radical ions**

Jürimäe, T.; Karelson, Mati 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 44

**RAS Silmet : main activities**

Päri, R. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 127

**Reactivity indices for description of protein kinase specificity**

Järv, Jaak 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 41

**Recurrent use of oil shale ash as sorbent for SO<sub>2</sub> removal**

Kuusik, Rein, keemik; Kaljuvee, Tiit; Triikkel, Andres 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 65

**Reduction of detection limits in capillary zone electrophoresis using the multiplex technique**

Ebber, Arkadi; Kaljurand, Mihkel 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 30: ill

**Re-esterification, a new step in the aldol-Tishchenko reaction**

Peterson, J.; Timotheus, H.; Mäeorg, U. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 114

**Research of student interest in chemistry as a subject**

Roosioks, V. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 134: ill

**Separation of phases by acidic treatment of glaukonite**

Viisimaa, Ludmilla; Kuusik, Rein, keemik 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 166

**Short-term biochemical oxygen demand determination for the assessment of the processes in wastewater treatment plant**

Hellat, K.; Orupöld, K.; Viggor, S.; Tenno, T. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 34

**Solid phase extraction of oil shale derived phenols**

Tiikma, Laine; Johannes, Ille 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 151

**Some new trends in treating the problems of the nitrogen cycles**

Kuiv, K. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 64

**Some tentative experience gained on teaching the organic chemistry program in Estonian schools**

Karolin, Liina 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 52

**Spectral interferences in argon plasma on elemental analysis of rare earth elements oxides by ICP-AES**

Paama, L.; Perämäki, P.; Pärnoja, E. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 103

**Stabilizing polysaccharides in milk products**

**Menert, Anne** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 90

**Steam jet pumps in the process of extraction of phenols from oil shale processing waste water (computer simulation)**

Kotkas, R. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 59

**Structural and optical properties of CuInS<sub>2</sub> thin films prepared by spray pyrolysis**

**Krunks, Malle; Bijakina, Olga; Bender, Villem; Mikli, Valdek** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 63

**Studies of the essential oil composition of some Estonian herbs**

Orav, Anne; Kailas, Tiiu 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 101

**Studies on corrosion prevention of titanium-based coatings**

**Talimets, Ellen; Rudenja, Sergei; Kulu, Priit** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 148

**Sustituent effects in alkaline hydrolysis of alkyl benzoates**

Piirsalu, M.; Nummert, V. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 116

**Synthesis and properties of CaS:Eu luminophors**

Danilkin, M.; Kerikmäe, M.; Lust, A.; Must, M.; Pedak, E.; Pärnoja, E.; Riiv, I.; Seeman, V. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 26

**Synthesis and selective reduction of 2,5-nonadiyne-1-ol and 2,6-decadiyne-1-ol**

Laur, T.; Viirlaid, S.; Kallas, K.; Linask, K.; Mäeorg, U. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 67

**Synthesis of a carboranyl nucleoside with potential use in BNCT**

Trifonova, Anna; Sjöberg, Stefan; Mäeorg, Uno 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 154

**Synthesis of a conjugate of 2-hexylthioadenosine and diaspartate**

Uri, A.; Raidaru, G. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 156

**Synthesis of all four geometrical isomers of 3,5-dodecadienyl acetate**

Liblikas, Ilme; Unelius, C. Rikard 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 73

**Synthesis of some novel schiff base derivatives of 1,5-diaryl-2,4-pentanediones and their metal complexes**

Pulkkinen, Juha; Kallas, Kaja; Vepsäläinen, Jouko 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 122

**Synthesis of thiocyanates and isothiocyanates**

Liblikas, Ilme; Möttus, E.; Nilson, A. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 74

**Teaching unit of materials corrosion and its prevention in buildings**

**Pöldme, Jutta** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 124

**The binding of polycyclic aromatic compounds to humic acid studied by high performance liquid chromatography**

Siigur, Katrin; Nielsen, Torben; Kirso, Uue 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 140

**The calculation of frozen-in defect equilibrium in ZnS**

**Lott, Kalju; Törn, Leo** 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 80

**The correlation and quantitative prediction of physical properties from chemical structure : a novel method for correlation and prediction of densities of organic compounds**

Perkson, A.; Karelson, Mati 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 113: ill

**The dioxygenases in the soft coral *Gersemia fruticosa* : origin of the oxygen, the effect of selective inhibitors**

**Varvas, Külliki; Järving, Ivar; Koljak, Reet;** Valmsen, Karin; Müürisepp, Aleksander-Mati; **Liiv, Milana;** Samel, Nigulas 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 160

**The influence of oil shale ashes to the sedimentation properties of sludges in biotreatment**

Kaasik, L.; Tenno, T. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 45

**The investigation of growth promoting/inhibiting properties of microalgal extracts on commercially valuable microorganisms**

Meriste, T.; Liiders, M. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 91

**The new curriculum presumes a new learning/teaching process**

Mölder, M. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 99

**The partially solvated Grignard's reagents in toluene/THF**

Panov, D.; Tuulmets, A. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 107

**The protein-rich additives in bakery products**

Kann, Aino; Täht, Riina 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 49

**The scientific and pedagogical activity of the chemists Heinrich Vilbok and Roman Ott**

Hödrejärvi, Helvi 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 38

**The study of acid-base equilibria in apolar solvents**

Leito, I.; Rodima, T.; Koppel, I. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 71

**The use of long range effects in  $^{13}\text{C}$  NMR spectra of carboxylic acids and their derivatives**

Pehk, Tõnis 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 111

**Theoretical foundation of inorganic chemistry in secondary education**

Past, V.; Tamm, L. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 110

**Theoretical study of the gas-phase acidity and basicity of hydrogen peroxide**

Burk, Peeter; Koppel, Ilmar 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 20

**Thermal degradation of inorganic salts**

Koel, Mihkel 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 57

**Thermoluminescent detectors (TD) for detecting of ionizing radiation**

Kerikmäe, M.; Lust, A.; Orav, M.; Ratas, A.; Riiv, I. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 54

**Transformation of ergosterol towards 9,11-secoosterols**

Jäälaid, Raissa; Veressinina, Jelena; Järving, Ivar; Pehk, Tõnis; Lille, Ülo 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 42

**Use of EDTA in bleaching and stabilization of cellulose**

Lehtaru, J.; Ilomets, T. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 68

**Use of microcalorimetry in urea-formaldehyde resin study**

Siimer, Kadri; Christjanson, Peep; Siimer, Enn 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 141

**Using the elements of food chemistry in the chemistry courses of secondary school**

Pappel, Kaie 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 108

**Water in the thermolysis processes of solid fossil fuel**

Vössotskaja, V.; Bljahhina, I.; Urov, Kaarli 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 171

**Volumetric analysis - common practical work for school chemistry**

Lust, A. 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 84