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Nota di contenuto	Ion-radical conversions of polyamides and polyimides in the nitrogen dioxide atmosphere / E.Ya. Davydov ... [et al.] -- Mechanism of catalysis with nickel (II) complexes in toluene and cumene oxidations by dioxygen / L.I. Matienko ... [et al.] -- Effect of two oxazoles on membrane lipid structure of liver microsomes / E.L. Maltseva, V.V. Belov, N.P. Palmina -- The characterization of novel biodegradable blends based on polyhydroxybutyrate : the role of water transport / Yulia N. Pankova ... [et al.] -- Effect of new hybrid antioxidants "ichphans" on the surface architectonics of erythrocytes / E.Yu. Parshina, L.Ya. Gendel, A.B. Rubin -- Atomic hydrogen trapping as a probe of intramolecular photoelectron transfer mediated by bound acidic proton in oxyacid aod-3/4hd+ / O.S. Nedelina, O.N. Brzevskaya, E.N. Degtyarev -- Quantum-chemical research of the mechanism of synthesis of 5-acetyloxymethyl-2-chloro-5-ethyl-1,2,3-dioxaphosphorynane / V.A. Babkin ... [et al.] -- Estimation of acid force of components of synthesis of 5-acetyloxymethyl-2-chloro-5-ethyl-1,2,3- dioxaphosphorynane / V.A. Babkin ... [et al.] -- Structure and properties of polymer adsorption layers on inorganic pigments surface in aqueous dispersion formed under ultrasonic treatment / N. Bulychev ... [et al.] -- Pigment surface modification in pigment dispersions with thermo-responsive poly (methylvinylether) copolymers in combination with ultrasonic treatment / N. Bulychev ... [et al.] -- Stationary kinetics of photoinitiated copolymerization of bifunctional (meth)acrylates till high conversions. Kinetic model of the process Khovanets / G.I.

Medvedevskikh ... [et al.] -- Study of antioxidant activity of mint extract by electrochemical methods / N.N. Sazhina, V.M. Misin, E.I. Korotkova -- The structural model of impact toughness of particulate-filled polymer nanocomposites / G.V. Kozlov ... [et al.] -- The behaviour features of polymer nanocomposites filled with calcium carbonate / G. V. Kozlov ... [et al.] -- The nanoadhesion effect on structure and properties formation in particulate-filled nanocomposites / G.V. Kozlov ... [et al.] -- On processes of the charge transfer in the electrical conducting polymer materials / T. Marsagishvili, J. Aneli -- Calculations of bond energy in cluster aqueous nanostructures / G.A. Korablev, N.V. Khokhriakov, G.E. Zaikov -- Mathematical modeling dependence of thermodynamic characteristics upon spatial-energy parameter of free atoms / G.A. Korablev, N.V. Khokhriakov, G.E. Zaikov -- Truth of the truths and resonance of the resonances / G.A. Korablev, N.V. Khokhriakov, G.E. Zaikov -- Morphological characterization of cellulose acetate based reverse osmosis membranes by atomic force microscopy (AFM)-effect of evaporation time / N. Gizli, M. Demircioglu -- Characterization of poly(vinylchloride) (PVC) based cation exchange membranes prepared with ionic liquids / Sanem Cinarli, Nilay Gizli, Mustafa Demircioglu -- Structure and properties of polyethylene coatings modified by bismaleimides / T.R. Deberdeev, O.V. Stoyanov, R.Ya. Deberdeev -- The calculation of the critical conversion of crosslinked epoxyamine polymers / T.R. Deberdeev ... [et al.] -- 16th International Conference for Renewable Resources and Plant Biotechnology (Narossa-2010) / G.E. Zaikov, L.L. Madyuskina, M.I. Artsis -- Deberdeev Rustam Jakubovich. 50 years in science / G.E. Zaikov.

Sommario/riassunto

This book presents and discusses research in the study of chemical and biochemical kinetics -- the science which deals with the changes over time. Topics discussed include the mechanism of catalysis with nickel (II) complexes in toluene and cumene oxidations by dioxygen; the effect of two oxazoles on membrane lipid structure of liver microsomes calculations of bond energy and the structure and properties of polymer adsorption layers on inorganic pigments surface in aqueous dispersion formed under ultrasonic treatment.
