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ABSTRACT

- A.K. Frolkova, L.A. Serafimov. Fundamental problems of technology of complex multicomponent mixes division 3
Article is devoted to analysis of researches in the field of fundamental bases of technology of complex multicomponent mixes division for last 40 years
- M.K. Zaharov, V.V. Karasev. Analytical definition of parameters the drying agent for a real dryer. 15
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- V.M. Miasoedenkov, G.A. Nosov, M.N. Razina. Fractional smelting by the means of calorific pump. 18
Feasibility study of the fractional smelting continuum process by the means of a calorific pump with a closed cycle on the working substance is provided in this article. It is shown that the usage of the calorific pump allows decreasing significantly power inputs for realization of the studied process.
- V.I. Shvets, D.G. Pobedimskiy, G.I. Lapshenkov, D.I. Bairamashvili, A.K. Frolkova. New master's program «Technology of biopharmaceuticals». 26
Scientific and conceptual basis of the new Master's program "Technology of biopharmaceuticals" has been proposed. The development is illustrated by the use of a general organizational approach, which provides training of scientific and technological brain-power in the field of technology of biopharmaceuticals. This approach consists in integration of the fundamental science represented by leading Russian academic and industrial centers of the medicinal and biological sphere and of the higher school.
- V.V. Beregovykh, V.A. Bykov, V.T. Ivanov, A.F. Mironov, T.V. Ovchinnikova, D.G. Pobedimskiy, I.D. Simonov-Emelyanov, V.A. Solomonov, A.K. Frolkova, V.I. Shvets. Russian innovation educational scientific complex for personnel development in the field of biotechnology. 34
On the basis of system approach using a multi-level structure of educational programs and directional innovation activity, ways of modernization of the traditional biotechnological education to knowledge-intensive level, formation of a modern educational system and a new integrated structure – Russian innovation complex for development and realization of unified educational scientific process of personnel development up to the world standard in the field of biotechnology – have been proposed
- A.A. Valishin, T.S. Stepanova. Application of the multivariate statistical analysis in investigation long-term durability of polymers. 1. The theory. 40
The multivariate regressive analysis is used for statistical processing of experimental data in long-term durability of polymers. The most important statistical models of temperature-temporary dependence of durability (model of Jurkov and model of Regel-Ratner) were formulated. Formulas for finding statistical estimations of regresses coefficients and of physical parameters of durability were received. The full statistical analysis of models was carried out. In theory the problem of distinction statistical model of Jurkov from model of Regel-Ratner was solved. Thus, the problem of displacement of pole in temperature-temporary dependence of durability was solved.

- A.A. Valishin, T.S. Stepanova..Application of the multivariate statistical analysis in investigation long-term durability of polymers. 2. Calculating experiment. 49
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- E.M.Kartashov, I.A.Nagaeva. Thermal heating of dick with internal round neck 57
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- S.M.Sukhorukova, P.V. Sukhorukov, M.S.Brykina. Social-environmental-economic problems of chemical undustry of Russia within the process of globalization of world economy 70
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- Khabarova T.A., Rumyantseva V.D., Maslov L.P., Tsoy A.V., Khabarova E.I. Research of gas-analyzers assortment at russian market wich monitors CO₂, SO₂, NO₂, NH₃ gases presence in the environment. 83
Our research of russian market of gas-analyzers for monitoring gases which are polluting the environment by chemical and oil-chemical manufacturing companies, such as: CO₂, SO₂, NO₂ and NH₃.