

Contents

Investigation of Anthropogenic Influence on the Composition of Organic Matter in the Water and Bottom Sediments in the Parshikha Bay of Lake Chany (the Novosibirsk Region) E. A. ELCHANINOVA, O. V. SEREBRENNIKOVA, E. B. STRELNIKOVA, I. V. RUSSKIKH, D. V. FEDOROV	259
Structural Features of the Carbon Framework in α -Fractions of Different Grades of Coal-Tar Pitch Obtained from Coal Tar Z. R. ISMAGILOV, A. P. NIKITIN, O. M. GAVRILYUK.	267
Lithium Hydroxide Formation by Membrane Electrolysis I. V. KOROLKOVA, K. P. ZHILIN	272
Mathematical Modelling of the Dynamics of Thermal Conversion of Methane-Ethane Mixtures in a Wide Temperature Range E. A. LASHINA, E. E. PESKOVA, V. N. SNYTIKOV	278
<i>Monarda fistulosa</i> L. from the Forest-Steppe Zone of Western Siberia: Anti-influenza Activity of Plant Components during the Vegetation Period I. E. LOBANOVA, M. A. PROTSENKO, T. A. KUKUSHKINA, E. I. FILIPPOVA, E. P. KHRAMOVA, E. V. MAKAREVICH, N. A. MAZURKOVA	287
Effect of Modifying Additives on the Phase Transition of Anatase to Rutile E. P. LOKSHIN, T. A. SEDNEVA, M. L. BELIKOV	294
Bioethanol Conversion into High-Octane Components of Motor Fuel in the Presence of Cobalt-Containing HZSM-5 Type Zeolites E. S. MAMEDOV, B. A. BABAYEVA, N. F. AKHMEDOVA, S. E. MAMEDOV.	302
Evaluation of Antioxidant Activity of 2 <i>H</i> -Chromene Derivatives through Optimized Green Synthesis S. A. PATEL, S. P. PATEL, H. V. VAGHANI, J. H. KUMBHANI	309
Determination of Ferulic Acid in the Extracts of Leaves of Some Members of the <i>Lamiaceae</i> Family N. V. PETROVA, N. A. MEDVEDEVA, A. L. SHAVARDA.	317
Cathodic Evolution of Hydrogen on Iron Disilicide in Alkaline Electrolyte I. S. POLKOVNIKOV, V. V. PANTELEEVA, A. B. SHEIN.	324
Initiation of the Liquid-Phase Hydrocarbon Oxidation Reactions by High-Molecular Oil Fractions N. V. SIZOVA.	331
Modification of Organosilicon Emulsions for Obtaining Hydrophobic Surfaces and for Reducing Dust Deposition V. V. STROKOVA, M. V. NIKULINA, E. M. ISHMUKHAMETOV, A. YU. ESINA, P. S. BASKAKOV, M. A. STEPANENKO, I. YU. MARKOVA, A. V. ABZALILOVA, I. G. RYLTSOVA	337
Development of Recycling Technology for Spent Chemical Nickel Plating Solution N. E. SUKSIN, M. A. SHUMILOVA, A. I. CHUKAVIN.	343