

CONTENT

Geomechanics, Rock failure

- Oparin V.N., Adushkin V.V., Vostrikov V.I., etc.* Experimental and theoretical framework of nonlinear geomorphology. Part II: Dynamic and kinematic characteristics of pendulum waves in high-stress geomeidia and processes of seismic emission.....5
- Ageenko V.A., Skvortsov A.A.* Rheological properties of rock salt under super long-term sustained uniaxial loading27
- Galchenko Yu.P., Leizer V.I., Vysotin N.G., Yakusheva E.D.* Procedure justification for laboratory research of secondary stress field in creation and application of convergent technology for underground mining of rock salt 35
- Yegemberdiyev R.I., Ugolnikov N.V., Yusupov Kh.A., Stolpovskikh I.N.* Justification of blasthole expansion parameters in ring blasting 48
- Lyashenko V.I., Khomenko O.E.* Enhancement of confined blasting of ore 59
- Ratov B.T., Fedorov B.V., Omirzakova E.J., Korgasbekov D.R.* Development and improvement of design factors for PDC cutter bits 73

Geotechnology

- Derevyashkin I.V., Sadykov A.A.* Scientific justification of commercial amber production without crushing in work face 81

Geocology

- Kemkin I.V., Kemkina R.A.* Severity of drainage system exposure to ore processing waste based on computer modeling..... 94

Markshading, Geometry of subsoil

- Rudenko V.V.* System approach to subsoil management using intelligent cybernetic methods 106

Mining machinery

- Nosenko A.S., Domnickiy A.A., Altunina M.S., Zubov V.V.* Theoretical and experimental research findings on batch-operation bin loader with hydraulically driven conveying element..... 119
- Tauger V.M., Materov A.Yu., Makarov V.N., etc.* Optimization of frequency response data for elongated blades of axial fans 131
- Toshniyozov L.G., Toshov J.B.* Theoretical and experimental research into process of packing in drilling 139

Enrichment of minerals

- Vorsina E.V., Moskalenko T.V., Mikheev V.A.* Experimental study of sorbent production in gas-steam activation of Kharanor lignite 152
- Khat'kova A.N., Nikitina L.G., Pateyuk S.A.* Floatability of borogypsum with perlstan..... 160

Geoinformatics

- Alenichev V.M., Alenichev M.V.* Increasing validity of geoinformation support in mining waste management 172

Safety in emergency

- Pelipenko M.V., Balovtsev S.V., Aynbinder I.I.* Integrated accident risk assessment in mines..... 180

<i>Smolin A.V., Kravchuk I.L.</i> Concept of control over production process departure from safety standards.....	193
---	-----

Energetics and energy efficiency of mining industry

<i>Babokin G.I.</i> Influence of technical parameters, work conditions and operating mode on energy efficiency of single-bucket excavator.....	199
--	-----

Production organization and management in mining

<i>Linnik Yu.N., Linnik V.Yu., Baykova O.V., Polyakov A.V.</i> Comparative analysis of performance efficiency of domestic and foreign heading machines.....	208
---	-----

Mining: scientific-and-technical information, theoretical findings, history, publications

<i>Lyahomskiy A.V., Gerasimov A.I., Pichuev A.B.</i> The requirements of normative documents to explosion-proof electrical equipment of enterprises with underground development of mineral deposits.....	216
---	-----

Special editions GIAB

<i>Kozlova O.Yu., Kozlov V.V., Agafonov V.V.</i> <i>Rationale</i> for rational structure and parameters logistics system of underground mines.....	93
--	----

<i>Bogdanova A.Yu.</i> Geoecological aspects of sustainable development of the Moscow region	151
--	-----

<i>Belodedov A.A.</i> Study the effective applications of technological schemes of selective extraction and separation of ore in the mine depending on the power of the developed layer.....	171
--	-----

<i>Chekushina T.V., Yankevsky A.V., Koulibaly Moussa, Haba Etienne</i> Prospects for increasing the efficiency of the cyanidation of gold with help of innovative reactors in the technology of heap leaching.....	179
--	-----

<i>Sheshko O.E.</i> Comparative assessment of ecological and economic efficiency of transport vehicles in conditions of deep open pits	232
--	-----

<i>Lapin S.E.</i> The idea and methodology of construction of geoinformation system of forecast of dynamics of a condition of a mountain massif at underground development of coal deposits.....	233
--	-----

<i>Titov A.N., Borisova E.I., Ignatov V.N., Litovchenko Yu.N., Runina N.G.</i> To some questions of design of quarries of nonmetallic building materials	234
--	-----

The deposited manuscripts

<i>Pichuev A.V., Gribkova O.V., Dyachkov N.B.</i> Basic methodical principles of determination of components of energy balance of technological installations and complexes	34
---	----

<i>Gavrilova D.I., Nikitina I.M., Minaev V.I., Epshtein S.A.</i> The use of film-forming polymer emulsions to reduce the oxidation of coals during storage in a stack	80
---	----

<i>Gribkova O.V., Dyachkov N.B., Pichuev A.V.</i> Method of determining the components of electrical balance in relation to technological installations and complexes at mining enterprises.....	105
--	-----