# ПУБЛИКАЦИИ ОСНОВНЫХ РЕЗУЛЬТАТОВ НАУЧНОЙ ДЕЯТЕЛЬНОСТИ СОТРУДНИКОВ ГОРНОГО ИНСТИТУТА В РЕЙТИНГОВЫХ ЖУРНАЛАХ, ИНДЕКСИРУЕМЫХ В БАЗАХ ДАННЫХ WEB OF SCIENCE / SCOPUS ЗА ПЕРИОД С 2017 ПО 2020 гг.

1. K. P. Antoev, B. N. Zarovnyaev, A. A. Khristoforova An apparatus that analyzes the hydroabrasive wear of fiberglass pipes // Journal of Friction and Wear. – 2017. – Vol. 38. – Iss. 3. – 7. DOI: 10.3103/S1068366617030023. База данных: Scopus / Web of Science. Квартиль: Q2-Q4.

Аннотация:

A hydroabrasive wear analyzing apparatus has been developed which makes it possible to study wear resistance of various materials and coatings in hydroabrasive flow simulation. The paper shows efficiency of the developed apparatus for testing various materials and coatings being subject to hydroabrasive effect. After a 96-h test, the developed apparatus obtained comparative characteristics of the resistance to hydroabrasive wear of fiberglass pipes with and without polyurethane coating.

2. N. P. Ovchinnikov Poor Operation Reliability of Section Pumps in Underground Kimberlite Mines // Journal of Machinery Manufacture and Reliability. – 2019. – Vol. 48. – Iss. 2. – 8.   
DOI: 10.3103/S1052618819020109. База данных: Scopus / Web of Science. Квартиль: Q2.

Аннотация

On the basis of studies performed, an approach has determined and sufficiently substantiated improvement of the operation lifetime of section pumps used in underground kimberlite mines of the Russian Federation.