

**Название публикации:**

Agent technology situational express analysis in assessment of technological development level of the BRICS countries

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**Аннотация:**

Stages of development and operation of specialized agent system concerning collection and analysis of the BRICS countries' scientific publications are considered in this paper. The data are extracted from more than sixty sources of authoritative publications in the fields of Chemistry, Physics, Genetics, Biochemistry, Geology etc. Algorithms for data analysis used in the system directed to reveal scientometric indicators and factographic information. The fact analyzed scientific publications are indexed by a referential database Web of Science indicates credibility level of the material. Aggregation of the material is done in a centralized database. The work result let to assess the development level of certain technologies and research in the BRICS countries in a short time. And since the system has a certain degree of autonomy a constant monitoring of scientific and technical activities in the BRICS countries is possible. It is concluded that the use of agent technologies in this field significantly accelerates the analysis of scientific and technical publications in comparison with manual mode. © 2018 Diana I. Koshlan, Evheniy S. Tretyakov, Vladimir V. Korenkov, Boris N. Onykij, Alexey A. Artamonov.

**Ключевые слова:**

Agent system, Information and analytical system, Retrieval system, Situational analysis