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   Descrizione fisica   1 online resource

   Soggetti   Economics
                            Economic history
                            Periodicals
                            Ukraine Economic conditions 1991-2014 Periodicals
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   Lingua di pubblicazione   Ukrainian

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   Note generali   Refereed/Peer-reviewed

2. Record Nr.   UNINA9910595070703321

   Autore   Pollmann Herbert

   Titolo   Value of Mineralogical Monitoring for the Mining and Minerals Industry
                       In memory of Prof. Dr. Herbert Pollmann

   Pubbl/distr/stampa Basel, 2022

   Descrizione fisica 1 online resource (164 p.)

   Soggetti   History of engineering and technology
                       Mining technology and engineering
                       Technology: general issues

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   Sommario/riassunto This Special Issue, focusing on the value of mineralogical monitoring
                       for the mining and minerals industry, should include detailed
                       investigations and characterizations of minerals and ores of the
                       following fields for ore and process control: Lithium ores-
                       determination of lithium contents by XRD methods; Copper ores and
                       their different mineralogy; Nickel lateritic ores; Iron ores and sinter;
                       Bauxite and bauxite overburden; Heavy mineral sands. The value of
                       quantitative mineralogical analysis, mainly by XRD methods, combined
                       with other techniques for the evaluation of typical metal ores and other
                       important minerals, will be shown and demonstrated for different
                       minerals. The different steps of mineral processing and metal contents
                       bound to different minerals will be included. Additionally, some
                       processing steps, mineral enrichments, and optimization of mineral
                       determinations using XRD will be demonstrated. Statistical methods for
                       the treatment of a large set of XRD patterns of ores and mineral
                       concentrates, as well as their value for the characterization of mineral
                       concentrates and ores, will be demonstrated. Determinations of metal
                       concentrations in minerals by different methods will be included, as
                       well as the direct prediction of process parameters from raw XRD data.