Record Nr. UNINA9910557787903321 Autore Gurzhiy Vladislav V Titolo Mineralogical Crystallography Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Pubbl/distr/stampa Institute, 2020 Descrizione fisica 1 electronic resource (190 p.) Soggetti Research & information: general Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Crystallography remains, for mineralogy, one of the main sources of Sommario/riassunto information on natural crystalline substances. A description of mineral species shape is carried out according to the principles of geometric crystallography: the crystal structure of minerals is determined using X-ray crystallography techniques, and physical crystallography approaches allow one to evaluate various properties of minerals, etc. However, the reverse comparison should not be forgotten as well: the crystallography science, in its current form, was born in the course of mineralogical research, long before preparative chemistry received such extensive development. It is worth noting that, even today, investigations of crystallographic characteristics of minerals regularly open up new horizons in materials science, because the possibilities of nature (fascinating chemical diversity; great variation of thermodynamic parameters; and, of course, almost endless processing time) are still not available for reproduction in any of the world's laboratories. This Special Issue is devoted to mineralogical crystallography, the oldest

branch of crystallographic science, and aims to combine important

surveys covering topics indicated in the keywords below.