1. Record Nr. UNINA9910815257903321 Autore Zhang Patrick Titolo Beneficiation of phosphates: sustainability, critical materials and smart processes / / edited by Patrick Zhang [and four others] Englewood, Colorado:,: Society for Mining, Metallurgy & Exploration Pubbl/distr/stampa (SME), , [2019] ©2019 **ISBN** 1-5231-2471-7 0-87335-475-3 Descrizione fisica 1 online resource (242 pages) Disciplina 661.43 Soggetti Phosphates - Purification Extraction (Chemistry) Ore-dressing Phosphate minerals Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Papers of a conference held April 29-May 4, 2018 in Cape Town, South Africa sponsored by Engineering Conference International and others. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Tailoring collectors to allow sea water usage in phosphate beneficiation -- Purification of Phosphogypsum for Production of Calcium Sulfate Whisker Through Complete Chemicals Recycle -- Beneficiation of Dolomitic Phosphate Pebble by Triboelectrostatic Belt Separation --Removal of coarse fraction from phosphatic clays for clay settling area reduction and additional phosphare recovery -- Using two alternative vegetable oils as apatite collector -- Purification of phosphogypsum using environmentally friendly separation devices. "Text and artwork written by dozens of internationally recognized Sommario/riassunto

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