1. Record Nr. UNINA9910983495803321 Autore Ruan Zhuen **Titolo** Flocculation Behavior of Full Tailings: Optimization and Application // by Zhuen Ruan Singapore:,: Springer Nature Singapore:,: Imprint: Springer,, 2025 Pubbl/distr/stampa 9789819611003 **ISBN** 9819611008 Edizione [1st ed. 2025.] Descrizione fisica 1 online resource (233 pages) Disciplina 622 Mining engineering Soggetti Separation (Technology) Refuse and refuse disposal Mining and Exploration Separation Science Waste Management/Waste Technology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Introduction -- Analysis of influencing factors on the flocculation behavior of full tailings -- Construction of a dynamic model for the flocculation behavior of three types of tailings. This book focuses on the flocculation behavior of full tailings, analyzes Sommario/riassunto the influence of multiple factors such as flow field shear on flocculation behavior, constructs a dynamic model of full tailings flocculation behavior, simulates and studies the flocculation behavior of full tailings in the feedwells of deep cone thickener, and optimizes the feeding and internal flocculation parameters. This book can be read by researchers,

designers, and engineering technicians related to backfill mining, as well as by teachers and students of mining majors in universities.