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Altri autori (Persone)	HonakerR. Q <1963-> (Ricky Quay) ForrestW. R <1961-> (William Richard)
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Sommario/riassunto	This compilation focuses on state-of-the-art developments and future trends in gravity concentration technologies. Leading experts discuss recent developments in the design, optimization, and control of gravity-based separation processes and their associated applications. The book is divided into three sections: fundamentals, coal applications, and non-coal applications. The fundamentals section reviews developments in the knowledge of particle characterization, particle-setting kinetics, slurry rheology, and overall process modeling. Papers examine novel technological and circuitry advances i