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Sommario/riassunto	This book comprises papers that showcase recent advancements and applications of innovative technologies in mining, offering theoretical insights and practical references for industry professionals. The 8th International Conference on Mineral Resources, Geotechnology and Geological Exploration (MRGGE 2024) was successfully held on June 14-16, 2024, in Shijiazhuang, China. This conference aims to address the dual challenge of providing essential mineral resources while ensuring environmental protection and sustainability in the mining industry. The proceedings encompass a wide range of topics, including ecological restoration of mines, geotechnical engineering, cleaning materials, geological exploration, and energy storage. The intended readership includes engineers, consultants, managers, academics, scientists, and government officials actively engaged in the mineral industry, serving as a valuable resource for promoting sustainable

practices and advancing the field.

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