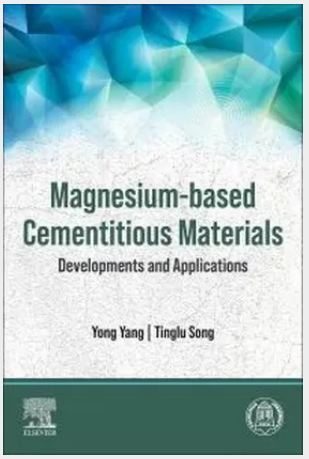
Yang / Song

Magnesium-Based Cementitious Materials

Developments and Applications



Magnesium-Based Cementitious Materials: Developments and Applications provides a comprehensive and systematic overview for readers, covering reaction mechanisms, theoretical ratios and practical production application techniques. The book begins by examining the raw materials of magnesium-based cementitious materials. It then goes on to cover: the reaction mechanisms and mole ratios of chloromagnesium cementitious materials, sulfomagnesium cementitious materials, sulfoclay composite cementitious materials, and phosphomagnesium cementitious materials; processes and related equipment, including the overview and mechanism explanations of the mixing process, foaming process, molding process, demolding process, curing process, and post-processing process; finally, it looks at the application of magnesium-based cementitious materials in high value-added application fields such as building materials, insulation, special materials, medical materials, and new energy.

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