

# **Geochemical Processes at Mineral Surfaces**

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**EDITED BY**

**James A. Davis and  
Kim F. Hayes**

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This state-of-the-art volume presents the most recent advances in the study of chemical reactions at the mineral-water interface and discusses the importance of these reactions in the geochemical processes. Using both theoretical and experimental approaches, a broad range of chemical processes are considered, including: absorption, ion exchange, precipitation, dissolution, electron transfer reactions, and polymerization and hydrolysis reactions of organic compounds.