

Chemistry of the solid-water interface: processes at the mineral-water and particle-water interface in natural systems.

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Chemistry of the solid-water interface: processes at mineral-water and particle-water interface in natural systems.

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Book : [Chemistry of the solid-water interface: processes at the mineral-water and particle-water interface in natural systems.](#) 1992 pp.x + 428 pp. ref.21 pp. of

Abstract : This book presents an introduction to the chemistry of the solid-

interface. Stressing surface chemical principles that can be applied in the ge natural waters, soils and sediments, and in water technology, the book focu throughout on the interaction of solutes with solid surfaces (adsorption and There are 11 chapters entitled: (1) introduction-scope of aquatic surface ch coordination chemistry of the hydrous oxide-water interface; (3) surface ch electric double layer; (4) adsorption; (5) the kinetics of surface controlled dis oxide minerals; (6) precipitation and nucleation; (7) particle-particle interacti carbonates and their reactivities; (9) redox processes mediated by surfaces heterogeneous photochemistry; and (11) regulation of trace elements by th interface in surface waters.

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