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Chemo-Mechanical Coupling in Clays: From Nano-scale to Engineering Applications Proceedings of the Workshop, Maratea, 38-30 June 2001 Routledge Clay behaviour is affected by coupled mechanical and chemical processes occurring in them at various scales. The peculiar chemical and electro-chemical properties of clays are the source of many undesired effects. These papers provide insight into the variables controlling clay behaviour. Thermodynamics and Kinetics of Water-Rock Interaction Walter de Gruyter GmbH & Co KG Volume 70 of Reviews in Mineralogy and Geochemistry represents an extensive review of the material presented by the invited speakers at a short course on Thermodynamics and Kinetics of Water-Rock Interaction held prior to the 19th annual V. M. Goldschmidt Conference in Davos, Switzerland (June 19-21, 2009). Contents: Thermodynamic Databases for Water-Rock Interaction Thermodynamics of Solid Solution-Aqueous Solution Systems Mineral Replacement Reactions Thermodynamic Concepts in Modeling Sorption at the Mineral-Water Interface Surface Complexation Modeling: Mineral Fluid Equilibria at the Molecular Scale The Link Between Mineral Dissolution/Precipitation Kinetics and Solution Chemistry Organics in Water-Rock Interactions Mineral Precipitation Kinetics Towards an Integrated Model of Weathering, Climate, and Biospheric Processes Approaches to Modeling Weathered Regolith Fluid-Rock Interaction: A Reactive Transport Approach Geochemical Modeling of Reaction Paths and Geochemical Reaction Networks Essentials of Geochemistry Jones & Bartlett Learning Physical Sciences Comprehensive Workshop Technology (Manufacturing Processes) Laxmi Publications Applied Mechanics Reviews New Developments in Selective Oxidation Elsevier This volume describes state-of-the-art advances in fundamental and applied aspects of partial selective oxidation in homogeneous and heterogeneous catalysis, including electrochemical and photo-oxidation. Comprising 93 papers, this book will provide a valuable set of data on reactions of selective oxidation which will be extremely useful to catalyst and related practitioners, whether fundamentalists or highly applied, and to process engineers who wish to evaluate current findings in this field. The wide-range approach to reactions of selective oxidation will disseminate knowledge in specialized areas of selective oxidation, serve as a springboard for new ideas and encourage innovation and creativity. Being an up-to-date reference source for all those studying in this field, this book should be on the bookshelf of all applied and academic research centres involved in the functionalization of molecules by selective oxidation. Journal of the Institute of Metals Issues for Sept. 1951- include the Bulletin. Soviet Physics, Solid State English Mechanic and Mirror of Science and Art English Mechanic and World of Science With which are Incorporated "the Mechanic", "Scientific Opinion," and the "British and Foreign Mechanic." Russian Journal of Physical Chemistry University of Pennsylvania Medical Bulletin Medical bulletin Glass Technology Journal of the American Medical Association The Rubber Age Thermal Spray 2007: Global Coating Solutions: Proceedings of the 2007 International Thermal Spray Conference ASM International The Pharmaceutical Era Handbook of Alkali-Activated Cements, Mortars and Concretes Elsevier This book provides an updated state-of-the-art review on new developments in alkali-activation. The main binder of concrete, Portland cement, represents almost 80% of the total CO2 emissions of concrete which are about 6 to 7% of the Planet's total CO2 emissions. This is particularly serious in the current context of climate change and it could get even worse because the demand for Portland cement is expected to increase by almost 200% by 2050 from 2010 levels, reaching 6000 million tons/year. Alkali-activated binders represent an alternative to Portland cement having higher durability and a lower CO2 footprint. Reviews the chemistry, mix design, manufacture and properties of alkali-activated cement-based concrete binders Considers performance in adverse environmental conditions. Offers equal emphasis on the science behind the technology and its use in civil engineering. Statistical Mechanics for Chemistry and Materials Science CRC Press This book covers the broad subject of equilibrium statistical mechanics along with many advanced and modern topics such as nucleation, spinodal decomposition, inherent structures of liquids and liquid crystals. Unlike other books on the market, this comprehensive text not only deals with the primary fundamental ideas of statistical mechanics but also covers contemporary topics in this broad and rapidly developing area of chemistry and materials science. The Physical Chemistry of Metallic Solutions and Intermetallic Compounds Symposium Journal of the Chemical Society Journal of the Chemical Society "Titles of chemical papers in British and foreign journals" included in Quarterly journal, v. 1-12. Texas State Journal of Medicine The American Journal of Science Russian Journal of Inorganic Chemistry Journal of the Society of Chemical Industry Lists of members for 1882-1903 issued in v. 1-22, after which they were published separately. (wanting in v.6 and v.21). Contact mechanics perspective of tribology Frontiers Media SA Forging, Stamping, Heat Treating Forging and Heat Treating Science Probe 8 PRCVI, 1985. (Toronto : CNIB) English Mechanic and Mirror of Science and Art Transactions of the American Institute of Mining, Metallurgical and Petroleum Engineers Some vols., 1920-1949, contain collections of papers according to subject. A Dictionary of Mechanical Science, Arts, Manufactures, and Miscellaneous Knowledge Comprising the Pure Sciences of Mathematics, Geometry, Arithmetic, Algebra, &c., the Mixed Sciences of Mechanics, Hydrostatics, Pneumatics, Optics, and Astronomy, Experimental Philosophy ... by Alexander Jamieson The Farmer's Magazine Journal of Research of the National Bureau of Standards Science Explorations 9 Wiley Distinctive Effects of the Deficiency of Certain Essential Elements on the Growth of Tobacco Plants in Solution Cultures Applied Crystallography World Scientific This proceedings volume contains research data from structural investigation of materials of high industrial value. Contents:Determination of Crystal Structure from Powder Diffraction by Rietveld MethodDevelopment of Methods and Techniques in X-Ray, Electron and Neutron DiffractionCrystallography of Phase Transformation, Martensitic Transformation in Shape Memory AlloysTexture Studies, Defect Structure and Microstructure CharacterisationMaterial Structure: Metals, Ceramic, Polymers, Amorphous Materials, Nanomaterials and Thin Films Readership: Graduate students and researchers in crystallography and materials science. Keywords: Transactions (Doklady) of the USSR Academy of Sciences Earth science sections