Proceedings of the Twelfth Annual International Conference
On Cement Microscopy
April 2-5, 1990
Vancouver, B.C., Canada

Title: Perils and Pitfalls of a Beginning Microscopist
Author: Fleming, C.
pp. 1-5

Title: Influence of the Burning Conditions on the Optimum Gypsum
Author: Marchisei, M.; Magil, M.; Debos, M.; Sorrentino, F.
pp. 6-19

Title: Generation of In-House Clinker Standards; Part I
Author: Adams, L.; Bussee, P.
pp. 20-33

Title: Effect of Some Chemical Activators on the Microstructure of Transformed Natural Anhydrite
Author: Ayman, A.; Kamel, A.
pp. 34-53

Title: Utilization of Industrial Wastes in the Manufacture of Cement - A Case Study
Author: Sarkar, S.; Brahma, N.; Dua, B.
pp. 54-66

Title: Evaluation of Hardened Stucco by Petrographic Methods
Author: O'Neill, R.
pp. 67-75

Title: Mineralogy and Microstructure of Reaction Products in Metakaolin-Lime Mixtures
Author: Zampieri, V.
pp. 73-95
Title: Microscopic Analysis on the Behavior of Acrylic Fibres Immersed in Media Simulating the Aqueous Concrete and Embedded in Cement Pass
Author: Puertas, F.; Blanco, M.; Palomo, A.
pp. 96-106

Title: The Use of Electron Optical Techniques to Study the Hydration Characteristics of Blended Cements
Author: Barker, A.
pp. 107-120

Title: The Abrasive Properties of Cement and Cement Clinker
Author: Fundel, E.
pp. 121-134

Title: Hydraulic Reactivity and Microstructure of Artificial Pozzolana-Lime Pastes
Author: Galal, A.; Hekal, E.; Noaimi, K.; Abo-El-Enein, S.
pp. 135-153

Title: Lime Saturation Factor X Clinker Composition: Microscopical Considerations
Author: Marciano, E. Jr.
pp. 154-166

Title: The Industrial Application of Clinker Microscopy to Improve th Quality of Clinker - A Case Study
Author: Du Toit, P.
pp. 167-185

Title: Phase Composition and Microstructure of Autoclaved Calcium Silicate Hydrates
Author: Hekal, E.; Abo-El-Enein, S.; El-Hosiny, F.; Marusin, S
pp. 186-200

Title: Effects of Accelerator Additives Upon Microstructural Developments in Class G Oilwell Cement Hydration at Low and Ordinary Temperat
Author: Lota, J.; Scrivener, K.; Pratt, P
pp. 201-217

Title: Reactions of CO2 With Calcium Aluminate Hydrates in Heat Treated Concrete
Author: Kuzel, H.-J.
pp. 218-227

Title: Microscopic Study of Concrete Loaded by Hydrostatic Pressure
Author: Ollivier, J.; Ringot, E.; Carcasses, M.
pp. 228-245
Title: C109 vs Concrete Strengths: A Preliminary Investigation  
Author: DeHayes, S.  
pp. 246-263

Title: Experience at C. A. Venezolana De Cementos in the Production of API Class H Oilwell Cement  
Author: Arbeleaz, C.  
pp. 264-279

Title: Microstructure and Hydration Characteristics of Some Pozzolanic Cements  
Author: Galal, A.; Hekal, E.; Noaimi, K.; Abo-El-Enein, S.  
pp. 280-302

Title: Study on the Influence of Citric Acid on Retardation and Formation of New Hydrates in Cement  
Author: Poellmann, H.; Michaux, M.; Nelson, E.  
pp. 303-322

Title: Influence of Water-Cement Ratio on Concrete Microstructure  
Author: Tenoutasse, N.; Moulin, E.  
pp. 323-338

Title: Morphologies of High Temperature and High Pressure Cured Oilwell Cements  
Author: Caveny, W.; McPherson, W.  
pp. 339-355

Title: Cement Particle Characterization by SEM-Chemical Image Analysis Systems  
Author: Diamond, S.; Olek, J.  
pp. 356-369

Title: Petrographic Examination of Concrete Cores From a Structure Exposed to Fire  
Author: Hanson, M.  
pp. 370-373

Title: A Microscopic Study of Sulphur Concrete  
Author: Jakobsen, N.  
pp. 374-381

Title: Progress of Hydration as Determined by SEM on Polished Clinker Surfaces  
Author: Peiming, W.; Odler, I.  
pp. 382-402

Title: SEM Observations of Latex Networks in Latex-Modified Concrete  
Author: Sheng, Q.; Diamond, S.  
pp. 403-410
Title: Inorganic Admixture Inhibits Corrosion of Steel Embedded in Mortar  
Author: Hannawayya, F.  
pp. 411-429

Title: Diagnosis of Alkali-Silica Reactions in the Lab, and Test Methods  
Author: Stark, D.  
pp. 430-431

Title: Quality Control and Trouble Shooting Using the Microscope in the Cement and Concrete Industries  
Author: Campbell, D.  
pp. 432