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EXPLORATORY DATA ANALYSIS, PREDICTION, AND CLASSIFICATION; 8 DEVELOPMENT OF CAPILLARY ELECTROPHORESIS FINGERPRINTS AND MULTIVARIATE STATISTICS FOR THE DIFFERENTIATION OF OPIUM AND POPPY STRAW SAMPLES; 9 MULTIVARIATE CURVE RESOLUTION BASED ON ALTERNATING LEAST SQUARES IN CAPILLARY ELECTROPHORESIS 10 APPLICATION OF CHEMOMETRICS IN CAPILLARY ELECTROPHORESIS ANALYSIS OF HERBAL MEDICINES 11 CLINICAL PATTERN RECOGNITION ANALYSIS APPLYING ARTIFICIAL NEURAL NETWORKS BASED ON PRINCIPAL COMPONENT ANALYSIS INPUT SELECTION; 12 CHEMOMETRIC METHODS APPLIED TO GENETIC ANALYSES BY CAPILLARY ELECTROPHORESIS AND ELECTROPHORESIS MICROCHIP TECHNOLOGIES; 13 EXPLORATORY DATA ANALYSIS AND CLASSIFICATION OF CAPILLARY ELECTROPHORETIC DATA; III QUANTITATIVE STRUCTURE RELATIONSHIPS; 14 CHEMOMETRICAL MODELING OF ELECTROPHORETIC MOBILITIES IN CAPILLARY ELECTROPHORESIS
15 ASSESSMENT OF SOLUTE-MICELLE INTERACTIONS IN ELECTROKINETIC CHROMATOGRAPHY USING QUANTITATIVE STRUCTURE-RETENTION RELATIONSHIPS 16 CHEMOMETRICAL ANALYSIS OF CHEESE PROTEOLYSIS PROFILES BY CAPILLARY ELECTROPHORESIS: PREDICTION OF RIPENING TIMES; IV TRANSFORMATION TECHNIQUES; 17 TRANSFORMATION TECHNIQUES FOR CAPILLARY AND MICROCHIP ELECTROPHORESIS; INDEX

Sommario/riassunto

Use chemometric techniques to develop optimum separation conditions for capillary electrophoreses For all its advantages, capillary electrophoresis (CE) also carries significant disadvantages for the researcher. Offering a unique blend of information from authors active in a variety of developments of chemometrics in CE, Chemometric Methods in Capillary Electrophoresis presents modern chemometric methods as an alternative to help alleviate the problems commonly encountered during routine analysis and method development. Focusing on current chemometric methods utilized in CE e