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Nota di contenuto	Title page; Preface; Contents; Oral Presentations; Aspects of Chiral Resolution in the Presence of (Partial) Solid Solutions; In Situ Monitoring and Quantification of Crystal Shape; Adductive Crystallization of Bisphenol-A Under the Influence of Industrial Impurities; Crystallisation of Metronidazole in Semi-Solid Formulations; The Development of a Reverse Classical Resolution; Intensification of Precipitation Processes in Environmental Engineering; Polymorphism and Nucleation Kinetics in Precipitation of Calcium Carbonate in Water and Ethylene Glycol Polymorph Transformation Monitoring Using In-Situ Vibrational SpectroscopyStrategy to Improve the Shelf Life of Crystalline Fertilizers; Real-Time Dynamic Optimization of Crystal Yield in Fed-Batch Evaporative Crystallization of Ammonium Sulphate; Monitoring of Polymorph Transformation Using In-Situ Measurement of Ultrasonic

Velocity; ZLD Evaporation-Crystallization Plant in the Power Industry; Population Balance Equation Modeling of the Solution Mediated Anhydrous to Monohydrate Phase Transition of Citric Acid The Effect of Different Types of Seeds on the Oxidation and Precipitation of Iron from Homogeneous Solutions Design and Construction of an Industrial Melt Crystallization Plant for the Ultra-Purification of Phosphoric Acid - A Case Study; Layer Development and Growth History of Polycrystalline Zeolite A Membranes Synthesised from a Clear Solution; Temperature Dependence of the Solubility Product of Calcium Dodecyl Sulfate and Modeling of the Phase Boundary; Co-Crystallization of Carbamazepine and Isonicotinamide: Two New Co-Crystal Forms?; Poster Presentations Adductive Crystallization of Bisphenol-A Under the Influence of Water and Acetone Interpretation of the Influence of Additives on the MSZ Width of Inorganic Compounds; Width of Metastable Zone in Adductive Crystallization of Bisphenol A-Phenol; The Onset of Polycrystalline Growth in Precipitation of L-Glutamic Acid Compared to an Aromatic Amine Derivative; Separation of Zr and Hf via Fractional Crystallization of $K_2Zr(Hf)F_6$: A Theoretical Study on the Distribution Coefficient of the Hafnium Impurity; Additive Influence on the Metastable Zone Width of Solvates Example of Suppression of Concomitant Polymorphism Precipitation Fluidized Bed Modeling Using CFD Approach: Hydrodynamic Behavior; Preparation of Iron(II) Acetate from Magnetite by Selective Precipitation; Co-Solvent Effect on Growth Habit of ADNBF by a Cooling Crystallization; The Application of Different Seeding Techniques for Solution Crystallization of Ammonium Sulphate; Controlled Batch Cooling Crystallisation of Gibbsite; Precipitation Kinetics of Nickel in the Presence of Iron; Isothermal and Auto-Seeded Polythermal Preferential Crystallisation in the Mandelic Acid System Kinetics Estimation and Single and Multi-Objective Optimization of a Seeded, Anti-Solvent, Isothermal Batch Crystallizer

Sommario/riassunto

The field of crystallization holds many challenges, with the physical and chemical complexity of the crystallization process being core to the dynamic nature of the field. Exciting advances are achieved in the areas of nanoparticle formation, product and particle design and methods of particle characterization.