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Titolo	Advances in chemistry research II : selected peer reviewed papers from the 2nd international conference on chemical engineering and advanced materials (CEAM 2012), July 13-15, 2012, Guangzhou, China // edited by Shuang Chen, Zhao-Tie Liu and Qingzhu Zeng
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Collana	Advanced Materials Research ; ; v.554-556
Altri autori (Persone)	ChenShuang LiuZhao-Tie ZengQungzhu
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Advances in Chemistry Research II; Preface and Conference Organization; Table of Contents; Chapter 1: Supramolecular Chemistry and Crystal Engineering; Site Preference of Refractory Elements in Ni-Based Single-Crystal Superalloys Alloying with Ru: From First Principles; Study on the Structure and Properties of Polyvinyl Pyrrolidone/Polyamide 6 Blends; Effect of Concentration of Iron Oxide on Crystallization Behavior in Leadless Iron Oxide Crystalline Glaze; Amplified Spontaneous Emission from the Oriented NK-2014-Doped Nematic Liquid Crystal Layer Study on the Supramolecular Interaction of Dibenzoyl Peroxide(BPO) and $\beta$ -Cyclodextrin( $\beta$ -CD) by Spectrophotometry and its Analytical Application Kinetics of Potassium Dihydrogen Phosphate Single-Crystal Growth Mapped by the Chemical Bond Simulation; Study on the Effect of Magesium Ion on the Crystal Phase of Calcium Carbonate; Controllable Fabrication of Layer Structures by Self-Assembled Perylene Derivative; Mesomorphism of Hexa-Peri-Hexabenzocoronene Discotic Liquid Crystals with Odd-Carbon Alkyl Chains

Depressions of Urinary Crystallites: A Direct Proof of Citric Acid  
 Dissolving Calcium Oxalate Stones in Vivo Preliminary Study of Refined  
 Naphthalene Production with Fractional Crystallization; Crystal  
 Structure of 3-(5-Acetyl-2-Aminothiazol-4-Ylthio)- 4-Hydroxypentan-  
 2-one; Synthesis and Properties of Dendrimer Liquid Crystal Based on  
 Ester and Ether of Gallic Acid; First Principles Investigations on the  
 Supramolecular Structure of 1,5-Diaminotetrazole; Effect of O<sub>2</sub> Flow  
 Rate on the Morphological and Optical Properties of ZnO Nanocrystals  
 Study on Crystallization Behavior in (Cu<sub>60</sub>Zr<sub>30</sub>Ti<sub>10</sub>)<sub>98</sub>Y<sub>2</sub> Bulk Metallic  
 Glass by Differential Scanning Calorimeter (DSC) Synthesis and  
 Characterization of Small Crystals NaY Zeolite with High Silicon;  
 Synthesis of 1,2,13,14-Four Carboxyl-24-Crown-8; Chapter 2: Polymer  
 Chemistry; Synthesis and Evaluation of a Novel Retarded Acid Additive;  
 N-Alkyl PPTA: Preparation and Characterization; Synthesis,  
 Characterization and Flame Retardancy of Two Novels Amino  
 Phosphate; Synthesis and Properties of Waterborne Polyurethane  
 Emulsions Using in Printing Ink  
 Research on Low Temperature Elastic Recovery Property of a Novel Poly  
 (ester-Imide-Ether) Based on N-(4-Carboxyphenyl) Trimellitimide  
 Unit Synthesis, Characterization and Application of Multi-Generations  
 Hyperbranched Polyurethane Based on Isophorone Diisocyanate; Study  
 on the Synthesis and Properties of Biodegradable Waterborne  
 Polyurethane; The Primary Study on Polyester/ Polypropylene Sound-  
 Absorption Nonwoven Fabric; The Performance of Polyether Modified  
 Polysiloxane; Effect of Carrier on the Structure and Performance of  
 Polyphenylene Sulfide Fiber  
 Preparation of a Novel Prepolymer of Polyurethane Acrylate

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#### Sommario/riassunto

This compilation of 423 peer- reviewed papers is divided into chapters:  
 Supramolecular Chemistry and Crystal Engineering; Polymer Chemistry;  
 Physical Chemistry of Solid Surface and Catalysis; Electrochemistry;  
 Inorganic Materials; Chiral Catalysis and Organic Synthesis; Food  
 Chemistry; Food Flavor Chemistry and Food Sensory Science;  
 Theoretical and Computational Chemistry; Chemical Biology and  
 Medicinal Chemistry; Analytical Chemistry and Environmental  
 Chemistry. The contents will interest a wide range of researchers in  
 many fields of chemistry. Review from Book News Inc.: The first volume  
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