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Nota di contenuto	Reactivity in Molecular Crystals; List of Contributors; Contents; Preface; 1. THEORETICAL APPROACH; 1.1 Potential Energy Calculations of Crystals; 1.2 A Novel Molecular-Dynamics Method to Predict Molecular Crystal Structures; 2. PHYSICO-CHEMICAL APPROACH; 2.1 Development of a New X-Ray Diffractometer (IPD-WAS) for Rapid Measurement; 2.2 Reaction Process in Solid State Studied by High Resolution Electron Spectromicroscopy; 2.3 Analysis of Charge Transfer Complex Formation in the Solid State by Penning Ionization Electron Spectroscopy 2.4 Analysis of Reactive Species by Time Resolved Infrared Reflection Absorption Spectroscopy2.5 Molecular Motion in Clathrate Crystals Analyred by Solid-state NMR Method; 2.6 Asymmetric Structure Analysis for Reaction Centers of a Molecular Crystal and on a Crystal Surface by EXAFS Spectroscopy; 2.7 Excitation Energy Transfer Between Metal Complexes in Solids; 3. CRYSTALLINE-STATE REACTION; 3.1 Dynamic Structure Analysis of Crystalline-State Reaction; 3.2 Reversible Intercalation of Guest Molecules in Crystals of Cholic Acid 3.3 How can Crystalline Environment Provide Outstanding Chemistry for

Diarylcarbenes or Arylnitrenes4. Solid-to- Solid Organic Reactions; 4.1 Introduction; 4.2 Pinacol and Benzylic Acid Rearrangement; 4.3 Baeyer-Villiger Oxidation; 4.4 Reduction with NaBH₄; 4.5 Grignard, Reformatsky and Luche Reactions; 4.6 Coupling Reactions; 4.7 Wittig-Horner Reaction; 4.8 Aldol Condensation; 4.9 Dehydration, Rearrangement, Chlorination and Etherification of Secondary Alcohols; 4.10 Host-Guest Inclusion Complexation in the Solid State; 5. Stereoselective Solid-State Photoreaction
5.1 Determining Factors of Molecular Arrangement and Reaction Course in the Crystalline-State Photoreaction of Unsymmetrically Substituted Diolefins5.2 Stereoselectivity in Reactions of Clathrate Crystals; 5.3 Solid-state Photochromism of Tetraphenyldihydro-1,3,5-Triazine and Related Heterocycles; 5.4 Solid-state Photoracemization and Photoisomerization of Alkyl Cobalt Complexes; 6. REACTIVITY AND CRYSTAL STRUCTURE; 6.1 Packing Effect in Solid-State Polymerization of Diethynylbenzene Derivatives by Radiation
6.2 High Selective Reaction Deduced by Tunneling Effect in the Crystalline Environment6.3 Formation of Bimolecular Films and Crystal Structure; 6.4 Reactivity and Reaction Pathway of the Sulfur Compounds; 6.5 Stereoselectivity and Molecular Recognition in Double Macrocyclic Inclusion Crystals; Index

Sommario/riassunto

Do you need to design syntheses that are* highly selective* fast* enantioselective with quantitative enantiomeric yield? This book describes in detail how best to exploit the enormous synthetic potential of solid state reactions. Written by leading experts, it provides in-depth information on* the theoretical and physico-chemical approach to solid state reactions* solid-to-solid organic reactions* stereoselective solid state photoreactions* reactivity and crystal structureAn ideal companion to Dunitz and Burgi's 'Structure Correlation', this

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Nota di contenuto	<p>-- Edge and IoT. -- Efficient and Dependency-aware Placement of Serverless Functions on Edge Infrastructures. -- POSEIDON: Efficient Function Placement at the Edge using Deep Reinforcement Learning. -- ABBA-VSM: Time Series Classification using Symbolic Representation on the Edge. -- An Energy-Efficient Partition and Offloading Method for Multi-DNN Applications in Edge-End Collaboration Environments. -- Crowdsourcing Task Assignment with Category and Mobile Combined Preference Learning. -- Federated Learning as a Service for Hierarchical Edge Networks with Heterogeneous Models. -- Optimizing Traffic Allocation for Multi-Replica Microservice Deployments in Edge Cloud. -- An Event-B Based Approach for Horizontally Scalable IoT Applications. -- Efficient Provisioning of IoT Energy Services. -- Attention-driven Conflict Management in Smart IoT-based Systems. -- Benchmarking Deep Learning Models for Object Detection on Edge Computing Devices. -- Generative AI. -- LLM Enhanced Representation For Cold Start Service Recommendation. -- Combining Generative AI and PPTalk Service Specification for Dynamic and Adaptive Task-Oriented Chatbots. -- Automated Generation of BPMN Processes from Textual Requirements. -- Plug-and-Play Performance Estimation for LLM Services without Relying on Labeled Data. -- UELLM: A Unified and Efficient Approach for Large Language Model Inference Serving. -- Service-Oriented Requirements Elicitation Through Systematic Questionnaire Design: A Problem-Driven GenAI Approach. -- Assessing Large Language Models Effectiveness in Outdated Method Renaming. -- Service Security and Privacy. -- DynaEDI: Decentralized Integrity Verification for Dynamic Edge Data. -- Heterogeneous Multi Relation Trust for SIoT Service Recommendation. -- A Context-Aware Service Framework for Detecting Fake Images. -- Bias Exposed: The BiaXposer Framework for NLP Fairness. -- FlowShredder: Protocol-Independent In-Network Encryption for Rich Media Traffic. -- Processes and workflows. -- HiGPP: A History-informed Graph-based Process Predictor for Next Activity. -- From Visual Choreographies to Flexible Information Protocols. -- Architectural Elements of decentralized Process Management Systems. -- LLM-based Business Process Documentation Generation.</p>
Sommario/riassunto	<p>The two-volume set LNCS 15404 and 15405 constitutes the refereed proceedings of the 22nd International Conference on Service-Oriented Computing, ICSOC 2024, held in Tunis, Tunisia, during December 3–6, 2024. The 38 full papers and 19 short papers presented in these proceedings were carefully reviewed and selected from 255 submissions. The papers are organized in the following topical sections: Part I: Edge and IoT; Generative AI; Service Security and Privacy; and Processes and Workflows. Part II: Cloud Computing; QoS and SLA; Microservice; Service Recommendation; Emerging Technologies and Approaches; Service Composition; Blockchain; and Industry Papers.</p>