1. Record Nr. UNINA9910146073703321

Titolo	Name reactions in heterocyclic chemistry [[electronic resource] /] / edited by Jie-Jack Li
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2005
ISBN	1-280-27303-8 9786610273034 0-470-35202-7 0-471-70414-8 0-471-70415-6
Descrizione fisica	1 online resource (579 p.)
Collana	Comprehensive Name Reactions ; ; v.3
Altri autori (Persone)	LiJie Jack
Disciplina	547.59 547.590459
Soggetti	Heterocyclic chemistry Chemical reactions Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Name Reactions in Heterocyclic Chemistry; Table of Contents; Foreword; Preface; Acronyms and abbreviations; PART 1 THREE- AND FOUR-MEMBERED HETEROCYCLES; Chapter 1 Epoxides and Aziridines; 1.1 Corey-Chaykovsky reaction; 1.2 Darzens glycidic ester condensation; 1.3 Hoch-Campbell aziridine synthesis; 1.4 Jacobsen-Katsuki epoxidation; 1.5 Paterno-Buchi reaction; 1.6 Sharpless-Katsuki epoxidation; 1.7 Wenker aziridine synthesis; PART 2 FIVE-MEMBERED HETEROCYCLES; Chapter 2 Pyrroles and Pyrrolidines; 2.1 Barton-Zard reaction; 2.2 Knorr and Paal-Knorr pyrrole syntheses 2.3 Hofmann-Loffler-Freytag reactionChapter 3 Indoles; 3.1 Bartoli indole synthesis; 3.2 Batcho-Leimgruber indole synthesis; 3.3 Bucherer carbazole synthesis; 3.4 Fischer indole synthesis; 3.5 Gassman indole synthesis; 3.6 Graebe-Ullman carbazole synthesis; 3.7 Hegedus indole synthesis; 3.8 Madelung indole synthesis; 3.9 Nenitzescu indole synthesis; 3.10 Reissert indole synthesis; Chapter 4 Furans; 4.1 Feist-Benary furan synthesis; 4.2 Paal-Knorr furan synthesis; Chapter 5

Thiophenes; 5.1 Fiesselmann thiophene synthesis; 5.2 Gewald aminothiophene synthesis
5.3 Hinsberg synthesis of thiophene derivatives5.4 Paal thiophene synthesis; Chapter 6 Oxazoles and Isoxazoles; 6.1 Claisen isoxazole synthesis; 6.2 Cornforth rearrangement; 6.3 Erlenmeyer-Plochl azlactone synthesis; 6.4 Fischer oxazole synthesis; 6.5 Meyers oxazoline method; 6.6 Robinson-Gabriel synthesis; 6.7 van Leusen oxazole Synthesis; Chapter 7 Other Five-Membered Heterocycles; 7.1 Auwers flavone synthesis; 7.2 Bucherer-Bergs reaction; 7.3 Cook-Heilbron 5-amino-thiazole synthesis; 7.4 Hurd-Mori 1,2,3-thiadiazole synthesis; 7.5 Knorr pyrazole synthesis; PART 3 SIX-MEMBERED HETEROCYCLES
Chapter 8 Pyridines8.1 Preparation via condensation reactions; 8.1.1 Hantzsch (dihydro)-pyridine synthesis; 8.1.1.1 Description; 8.1.1.2 Historical perspective; 8.1.1.3 Mechanism; 8.1.1.4 Variations; 8.1.1.4.1 Guareschi-Thorpe pyridine synthesis; 8.1.1.4.2 Chichibabin (Tschitschibabin) pyridine synthesis; 8.1.1.4.3 Bohlmann-Rahtz pyridine synthesis; 8.1.1.4.4 Krohnke pyridine synthesis; 8.1.1.4.5 Petrenko-Kritschenko piperidone synthesis; 8.1.1.5 Improvements or modifications; 8.1.1.6 Experimental; 8.1.1.6.1 Three-component coupling; 8.1.1.6.2 Two-component coupling; 8.1.1.7 References
8.2 Preparation via cycloaddition reactions8.2.1 Boger reaction; 8.3 Preparation via rearrangement reactions; 8.3.1 Boekelheide reaction; 8.3.2 Ciamician-Dennstedt rearrangement; 8.4 Zincke reaction; Chapter 9 Quinolines and Isoquinolines; 9.1 Bischler-Napieralski reaction; 9.2 Camps quinoline synthesis; 9.3 Combes quinoline synthesis; 9.4 Conrad-Limpach reaction; 9.5 Doebner quinoline synthesis; 9.6 Friedlander synthesis; 9.7 Gabriel-Colman rearrangement; 9.8 Gould-Jacobs reaction; 9.9 Knorr quinoline synthesis; 9.10 Meth-Cohn quinoline synthesis; 9.11 Pfitzinger quinoline synthesis
9.12 Pictet-Gams isoquinoline synthesis

Sommario/riassunto

Covers important name reactions relevant to heterocyclic chemistry The field of heterocyclic chemistry has long presented a special challenge for chemists. Because of the enormous amount and variety of information, it is often a difficult topic to cover for undergraduate and graduate chemistry students, even in simplified form. Yet the chemistry of heterocyclic compounds and methods for their synthesis form the bedrock of modern medicinal chemical and pharmaceutical research. Thus there is a great need for high quality, up-to-date, and authoritative books on heterocyclic synthesis helpful to

2. Record Nr. UNINA9910780041203321

Titolo	Real-time database systems [[electronic resource]] : architecture and techniques / / edited by Kam-Yiu Lam, Tei-Wei Kuo
Pubbl/distr/stampa	Boston, : Kluwer Academic, 2001
ISBN	1-280-20562-8 9786610205622 0-306-46988-X
Edizione	[1st ed. 2002.]
Descrizione fisica	1 online resource (310 p.)
Collana	The Kluwer international series in engineering and computer science ; ; SECS 593
Altri autori (Persone)	LamKam-Yiu <1964-> KuoTei-Wei
Disciplina	004/.33
Soggetti	Database design Real-time data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Overview, Misconceptions, and Issues -- Real-time Database Systems: An Overview of System Characteristics and Issues -- Misconceptions About Real-time Databases -- Applications and System Characteristics -- Real-Time Concurrency Control -- Conservative and Optimistic Protocols -- Semantics-based Concurrency Control -- Real-time Index Concurrency Control -- Run-Time System Management -- Buffer Management in Real-time Active Database Systems -- Disk Scheduling -- System Failure and Recovery -- Overload Management in RTDBs -- Secure Real-time Transaction Processing -- Active Issues and Triggering -- System Framework of ARTDBs -- Reactive Mechanisms -- Updates and View Maintenance -- Distributed Real-Time Database Systems -- Distributed Concurrency Control -- Data Replication and Availability -- Real-time Commit Processing -- Mobile Distributed Real-time Database Systems -- Prototypes and Future Directions -- Prototypes: Programmed Stock Trading -- Future Directions.
Sommario/riassunto	In recent years, tremendous research has been devoted to the design of database systems for real-time applications, called real-time database systems (RTDBS), where transactions are associated with deadlines on

their completion times, and some of the data objects in the database are associated with temporal constraints on their validity. Examples of important applications of RTDBS include stock trading systems, navigation systems and computer integrated manufacturing. Different transaction scheduling algorithms and concurrency control protocols have been proposed to satisfy transaction timing data temporal constraints. Other design issues important to the performance of a RTDBS are buffer management, index accesses and I/O scheduling. Real-Time Database Systems: Architecture and Techniques summarizes important research results in this area, and serves as an excellent reference for practitioners, researchers and educators of real-time systems and database systems.