1. Record Nr. UNINA9911019951103321

Titolo	Organic reaction mechanisms [[electronic resource]] . 1972 : an annual survey covering the literature dated December 1971 through November 1972 / / edited by B. Capon and C. W. Rees
Pubbl/distr/stampa	London, : Interscience Publishers, c1973
ISBN	9786612362620 9781282362628 1282362623 9780470318959 0470318953 9780470318966 0470318961
Descrizione fisica	1 online resource (678 p.)
Collana	Organic Reaction Mechanisms Series ; ; v.111
Altri autori (Persone)	CaponB ReesCharles W (Charles Wayne)
Disciplina	547.13
Soggetti	Chemistry, Organic Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	ORGANIC REACTION MECHANISMS 1972; Contents; 1. Carbonium Ions; Bicyclic and Polycyclic Systems; Participation by Aryl Groups; Participation by Double and Triple Bonds; Reactions of Small-ring Compounds; Metallocenylmethyl Cations and Other Derivatives; Stable Carbonium Ions and their Reactions; Other Reactions; 2. Nucleophilic Aliphatic Substitution; Ion-pair Phenomena and Borderline Mechanisms; Solvent and Medium Effects; Isotope Effects; Neighbouring-group Participation; Deamination and Related Reactions; Reactions of Aliphatic Diazo-compounds; Fragmentation Reactions Displacement Reactions at Elements Other than CarbonAmbident Nucleophiles; Substitution at Vinylic Carbon; Reactions of a-Halogenocarbonyl Compounds; sN2 Processes and Other Reactions; 3. Carbanions and Electrophilic Aliphatic Substitution; Carbanion Structure; Reactions of Carbanions; Proton Transfer, Hydrogen Isotope

Exchange and Related Reactions; Electrophilic Reactions of Hydrocarbons; Organometallics: Groups Ia, IIa, III; Organometallice: Other Elements; Miscellaneous Reactions; 4. Elimination Reactions; Stereochemistry and Orientation in E2 Reactions; The ElcB Mechanism The E2C MechanismGas-phase Elimination Reactions; Other Topics; 5. Addition Reaotions; Electrophilic Additions; Nucleophilic Additions; Cycloadditions; 6. Nucleophilic Aromatic Substitution; The SNAr Mechanism; Heterocyclic Systems; Meisenheimer and Related Complexes; Benzyne and Related Intermediates; Other Reactions; 7. Electmphilic Aromatic Substitution; Sulphonation; Nitration; Nitrosation; Azo coupling; Halogenation; Metal Cleavage; Metallation Reactions; Friedel-Crafts and Related Reactions; Hydrogen Exchange; Miscellaneous Reactions; 8. Molecular Rescrangements; Aromatic Rearrangementa
Sigmatropic RearrangementsElectrocydic Reactions; Rearrangements Involving Cycloadditions and Cyclorevemiom; Anionic Rearrangements; Cationic Rearrangements; Metal-catalysed Rearrangements; Rearrangements Involving Electron-deficient Heteroatoms; Isomerimtions; Rearrangements Involving Ring Openings and Closures; 9. Redid Reactions; Introduction; Structure and Stereochemistry; Decomposition of Peroxides; Decomposition of Azo-compounds; Diradicals; Atom-transfer Processes; Additions; Aromatic Substitution; Rearrangements; SH2 Reactions; Reactions Involving Oxidation or Reduction by Metal Salts
Radical Ions and Electron-transfer ProceasesNitroxides; Autoxidation; Pyrolysis and Other Gas-phase Processes; Radiolysis, ESR Spectroscopy and Miscellaneous; 10. Carbenes and Nitrenes; Structure; Methods of Generation; Cycloadditions; Insertions and Abstractions; Aromatic Substitutions; Reactions with Nucleophiles; Rearrangements; Fragmentations; Other Reactions; Transition metal Complexes; 11. Reactions of Aldehydes and Ketones and their Derivatives; Formation and Reactions of Acetals and Ketals; Hydrolysis and Formation of Glycosides
Hydration of Aldehydes and Ketones and Related Reactions

Sommario/riassunto

This annual series on organic reaction mechanisms research provides concise, comprehensive coverage of the year's literature as well as discussions of important results. The present volume either discusses or lists all published work dated from December to November inclusive, that deals significantly with any aspect of organic reaction mechanisms.