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Autore	Armarego W. L. F
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II.4. Ionization Constants of Substituted Quinazolines in Water at 20°; D. Polarography; 3. Chemical Reactivity of Quinazoline; A. Hydrolysis, Oxidation, and Reduction; B. Electrophilic and Nucleophilic Substitution, and Alkylation; C. Addition Reactions; 4. References; III. C-Alkyl- and C-Arylquinazolines; 1. Methods of Preparation; A. Bischler's Synthesis; B. Oxidation of 3, 4-Dihydroquinazolines; C. Decarboxylation of Acids; D. From N'-Toluene-p-sulphonylydrazino Derivatives; E. From Imidoyl Chlorides and Nitriles
F. From Aryl Diazonium Salts and NitrilesG. From 4-Chloro or 4-cyanoquinazolines and Grignard Reagents; H. From Chloro- or Cyanoquinazolines and Substances with an Active Methylene Group; I. Reidel's Synthesis; J. Miscellaneous; 2. Properties; A. Physical Properties; B. Chemical Properties; a. The Heightened Reactivity of 2- and 4-Methyl Groups; b. Oxidation and Reduction; c. Electrophilic Substitution; d. Alkylation; e. Reactivity of the Substituted Carbon Atoms Attached to C(2)and C(4); 3. Tables; III.1. 2-Alkyl- and Aryl- (including Heteroaryl-) quinazolines
III.2. 4-Alkyl- and Aryl- (including Heteroaryl-) quinazolineaIII.3. 2,4-Disubstituted Alkyl- and Arylquinazolines; III.4. Alkylquinazolines Substituted in the Benzene Ring; III.5. Alkyl- and Arylquinazolines Substituted in Both Rings; III.6. Miscellaneous Alkyl- and Arylquinazolines (including Quina-zolinium Salts}; 4. References; IV. Oxoquinazolines and 5-, 6-, 7-, and 8-Hydroxyquinazolines; 1. 2-Oxoquinazolines; A. Preparation; B. Properties; 2. 3,4- and 1,4-Dihydro-4-oxoquinasolines; A. Preparation of 3,4-Dihydro-4-oxoquinszolines; a. Niementowski's Synthesis
b. Cyclization of o-Amidobenzamides

Sommario/riassunto

Chemistry of Heterocyclic Compounds publishes articles, letters to the Editor, reviews, and minireviews on the synthesis, structure, reactivity, and biological activity of heterocyclic compounds including natural products. The journal covers investigations in heterocyclic chemistry taking place in scientific centers of all over the world, including extensively the scientific institutions in Russia, Ukraine, Latvia, Lithuania and Belarus.