

1. Record Nr.	UNINA9911019861303321
Autore	Armarego W. L. F
Titolo	Fused pyrimidines . Part I Quinazolines // W.L.F. Armarego; edited by D.J. Brown
Pubbl/distr/stampa	New York, : Interscience Publishers, 1967
ISBN	9786612307119 9781282307117 1282307118 9780470186916 0470186917 9780470188392 0470188391
Edizione	[99th ed.]
Descrizione fisica	1 online resource (564 p.)
Collana	The chemistry of heterocyclic compounds ; ; 24/1
Altri autori (Persone)	BrownD. J
Disciplina	547/.59/05
Soggetti	Quinazoline Heterocyclic compounds
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographies and indexes.
Nota di contenuto	QUINAZOLINES; Contents; Tables; I. Introduction; 1. History; 2. Nomenclature; 3. The Dual Character of Quinazolines; 4. General Summary of Quinazoline Chemistry; A. Syntheses; a. Primary Syntheses; b. Secondary Syntheses; B. The Heightened Reactivity of 2- and 4-Alkyl Groups; C. Addition and Substitution Reactions, and Nucleophilic Metathesis; D. N-Oxides; E. Tautomerism; F. Oxidation and Reduction; G. Rearrangements; H. Biological Activity in Quinazolines; 5. Tables; Introduction; 6. References; II. Quinazoline; 1. Synthesis of Quinazoline; 2. Physical Properties II.1. Quinazoline and 3-Alkyl Derivatives A. Theoretical Aspects; B. Spectra; a. Ultraviolet Spectra; b. Phosphorescence Spectra; c. Infrared Spectra; d. Proton Magnetic Resonance Spectra; e. Mass Spectra; C. Covalent Hydration; a. Covalent Hydration in Quinazoline; b. Effect of Substituents in the Pyrimidine Ring on Covalent Hydration; (i) Effect of substituents in position 4; (ii) Effect of substituents in position 2; c. Effect Substituents in the Benzene Ring on Covalent Hydration; II.2.

Electronic Effects and Hydration in 2-Substituted Quinazoline Cations
II.3. Ionization and Covalent Hydration of Quinazolines in Water at 20°
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.
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Bischler's Synthesis; B. Oxidation of 3, 4-Dihydroquinazolines; C.
Decarboxylation of Acids; D. From N'-Toluene-p-sulphonyldrazino
Derivatives; E. From Imidoyl Chlorides and Nitriles
F. From Aryl Diazonium Salts and Nitriles G. From 4-Chloro or 4-
cyanoquinazolines and Grignard Reagents; H. From Chloro- or
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Arylquinazolines (including Quinazolinium Salts); 4. References; IV.
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Dihydro-4-oxoquinazolines; A. Preparation of 3,4-Dihydro-4-
oxoquinazolines; 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.

2. Record Nr.	UNINA9910373928903321
Titolo	SOFSEM 2020: Theory and Practice of Computer Science : 46th International Conference on Current Trends in Theory and Practice of Informatics, SOFSEM 2020, Limassol, Cyprus, January 20–24, 2020, Proceedings // edited by Alexander Chatzigeorgiou, Riccardo Dondi, Herodotos Herodotou, Christos Kapoutsis, Yannis Manolopoulos, George A. Papadopoulos, Florian Sikora
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-38919-7
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVI, 723 p. 314 illus., 93 illus. in color.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 12011
Disciplina	004
Soggetti	Mathematics - Data processing Algorithms Computer science - Mathematics Discrete mathematics Artificial intelligence - Data processing Computer networks Software engineering Computational Mathematics and Numerical Analysis Discrete Mathematics in Computer Science Data Science Computer Communication Networks Software Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Foundations of computer science -- Foundations of software engineering -- Foundations of data science and engineering -- Foundations of algorithmic computational biology.
Sommario/riassunto	This book constitutes the refereed proceedings of the 46th International Conference on Current Trends in Theory and Practice of

Informatics, SOFSEM 2020, held in Limassol, Cyprus, in January 2020. The 40 full papers presented together with 17 short papers and 3 invited papers were carefully reviewed and selected from 125 submissions. They presented new research results in the theory and practice of computer science in the each sub-area of SOFSEM 2020: foundations of computer science, foundations of data science and engineering, foundations of software engineering, and foundations of algorithmic computational biology.
