

1. Record Nr.	UNINA9910785847303321
Autore	Fengel Dietrich <1931->
Titolo	Wood : chemistry, ultrastructure, reactions / / Dietrich Fengel, Gerd Wegener
Pubbl/distr/stampa	Berlin ; ; New York, : Walter de Gruyter, 1989
ISBN	3-11-083965-2
Edizione	[Reprint 2011]
Descrizione fisica	1 online resource (613 pages)
Altri autori (Persone)	WegenerGerd <1945->
Disciplina	674.13
Soggetti	Wood - Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Front matter -- Preface -- Contents -- 1. Introduction -- 2. Structure and Ultrastructure -- 3. Chemical Composition and Analysis of Wood -- 4. Cellulose -- 5. Polyoses (Hemicelluloses) -- 6. Lignin -- 7. Extractives -- 8. Distribution of the Components within the Wood Cell Wall -- 9. Constituents of Bark -- 10. Reactions in Acidic Medium -- 11. Reactions in Alkaline Medium -- 12. Influence of Temperature -- 13. Degradation by Light and Ionizing Rays -- 14. Microbial and Enzymatic Degradation -- 15. Aging and Fossilization -- 16. Pulping Processes -- 17. Derivatives of Cellulose -- 18. Utilization of Wood and Wood Components for Chemicals and Energy -- Subject Index -- Species Index (Wood, Plants) -- Species Index (Bacteria, Fungi)