Record Nr. UNINA9910778304703321 Autore Roberts J. C (John Christopher) Titolo The chemistry of paper [[electronic resource] /] / J.C. Roberts Cambridge,: Royal Society of Chemistry, c1996 Pubbl/distr/stampa **ISBN** 1-84755-206-4 Descrizione fisica 1 online resource (206 p.) Collana RSC paperbacks Classificazione 58.23 VN 5500 Disciplina 676.2 Soggetti Papermaking - Chemistry Wood-pulp Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. An introduction to paper -- The material of paper -- The chemistry of Nota di contenuto lignin and its removal -- Cellulose fibre networks -- The paper formation process -- The surface chemistry of paper and the papermaking system -- Chemical additives in the paper formation process -- The surface modification of paper -- Recycling of cellulose -- Paper making and the environment. For what is thought of as an essentially mechanical process, paper Sommario/riassunto manufacture involves a large amount of chemistry. The Chemistry of Paper provides an overview of the process of making paper from a chemical perspective. It deals with both the chemistry of paper as a material and the chemistry of its production, setting out the main principles involved at every stage of the process. Early chapters provide a chemical definition of paper in the light of the many uses to which it is put. Subsequent chapters deal with the chemical processes involved

in the production of paper: the delignification o