

1. Record Nr.	UNINA9910829858203321
Titolo	Dental enamel [[electronic resource] /] / [editors: Derek Chadwick and Gail Cardew]
Pubbl/distr/stampa	Chichester ; ; New York, : Wiley, 1997
ISBN	1-282-12247-9 9786612122477 0-470-51530-9 0-470-51532-5
Descrizione fisica	1 online resource (298 p.)
Collana	Ciba Foundation symposium ; ; 205
Altri autori (Persone)	ChadwickDerek CardewGail
Disciplina	611 611.314
Soggetti	Dental enamel - Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Proceedings of the Symposium on Dental Enamel, held at Ciba Foundation on 23-25 Apr. 1996.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	DENTAL ENAMEL; Contents; Participants; Introduction; Tooth morphogenesis and the differentiation of ameloblasts; Microstructure of enamel; Structure and function of secretory ameloblasts in enamel formation; General discussion I; Structure, crystal chemistry and density of enamel apatites; Molecular strategies of tooth enamel formation are highly conserved during vertebrate evolution; The protein composition of normal developmentally defective enamel and; Extracellular matrix proteins of dentine; Amelogenin proteins of developing dental enamel Tuftelin: enamel mineralization and amelogenesis imperfectaEnamel maturation; Inherited enamel defects; Regulation of amelogenin gene expression; Molecular biology of hereditary enamel defects; General discussion I1; Environmental causes of enamel defects; Determinants and mechanisms of enamel fluorosis; The role of enamel matrix proteins in the development of cementum and periodontal tissues; The biomimetics of enamel: a paradigm for organized biomaterials synthesis; Index of contributors; Subject index
Sommario/riassunto	The molecular mechanisms and protein species associated with the

mineralization of mature dental enamel are active areas of research. This book focuses on specific areas of research including the structural chemistry, protein biochemistry and genetics of enamel development.

---