Record Nr. UNINA9910954409503321 Autore Yasuda H Titolo Magneto luminous chemical vapor deposition / / Hirotsugu Yasuda Pubbl/distr/stampa Boca Raton, FL,: Taylor & Francis, 2011 **ISBN** 1-04-021071-6 0-429-15204-3 1-283-25748-3 9786613257482 1-4398-3880-1 Edizione [1st ed.] Descrizione fisica 1 online resource (256 p.) Collana Green chemistry and chemical engineering Disciplina 671.7/35 Soggetti Magnetochemistry Chemical vapor deposition Photochemistry Surface chemistry 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. Nota di contenuto Front Cover; Contents; Preface; The Author; Chapter 1: Introduction; Chapter 2: Context of Terms Used and Concepts; Chapter 3: Green Deposition Coating of Nanofilms; Chapter 4: Plasma Phase and Luminous Gas Phase; Chapter 5: Dielectric Breakdown of Gas Phase; Chapter 6: Influence of Magnetic Field on Luminous Gas Phase; Chapter 7: Polymer Formation Mechanism in Luminous Gas: Chapter 8: Operation Parameters and Deposition Kinetics; Chapter 9: Magneto-Luminous Chemical Vapor Deposition; Chapter 10: Applications of Magneto-Luminous Chemical Vapor Deposition; Back Cover Sommario/riassunto The magneto luminous chemical vapor deposition (MLCVD) method is the perfect example of the ""front-end green process."" It employs an entirely new process that expends the minimum amount of materials in gas phase, yields virtually no effluent, and therefore requires no environmental remediation. Unlike the ""back-end green process,"" which calls for add-on processes to deal with effluent problems, the

newer MLCVD approach is a completely different phenomenon that has

never been adequately described, until now.Dispelling previous misconceptions and revealing new areas for inve