1. Record Nr. UNINA9910812915603321

Autore	Yasuda H.
Titolo	Magneto luminous chemical vapor deposition / / Hirotsugu Yasuda
Pubbl/distr/stampa	Boca Raton, Fla. : , : Taylor & Francis, , 2011
ISBN	0-429-15204-3 1-283-25748-3 9786613257482 1-4398-3880-1
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
Note generali	Description based upon print version of record.
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