

1. Record Nr.	UNISALENTO991003233349707536
Autore	Kobashi, Koji
Titolo	Diamond films [e-book] : chemical vapor deposition for oriented and heteroepitaxial growth / Koji Kobashi
Pubbl/distr/stampa	Amsterdam ; : London : Elsevier, 2005
ISBN	9780080447230 0080447236
Descrizione fisica	xii, 336 p. : ill. ; 25 cm
Disciplina	666.88
Soggetti	Diamonds, Artificial Diamond thin films Electronic books.
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (p. 319-334) and indexes
Nota di contenuto	1. Overview of Oriented Growth -- 2. Diamond - Structure and CVD Growth -- 3. Microwave Plasma CVD Reactors -- 4. Other CVD Reactors -- 5. Crystal Orientations and Film Surface Morphology -- 6. Formation of Twins -- 7. Homoepitaxial Growth -- 8. Surface Reconstruction -- 9. Epitaxial Growth on cBN, Ni, and Other Substrates -- 10. Diamond Nucleation -- 11. HOD Film Growth -- 12. Oriented Growth on Noble Metals -- 13. Properties and Applications of Heteroepitaxial Diamond Films -- 14. Conclusion -- APPENDICES -- Notations and units -- Plasma -- Properties of diamond and other semiconducting materials -- Reconstruction of diamond surfaces -- Materials constants -- Phase diagrams of carbon and metals -- Carbon solubilities in metals -- Biasing and growth conditions for diamond growth
Sommario/riassunto	Discusses the most advanced techniques for diamond growth Assists diamond researchers in deciding on the most suitable process conditions Inspires readers to devise new CVD (chemical vapor deposition Ever since the early 1980s, and the discovery of the vapour growth methods of diamond film, heteroexpitaxial growth has become one of the most important and heavily discussed topics amongst the diamond research community.

Kobashi has documented such discussions with a strong focus on how diamond films can be best utilised as an industrial material, working from the premise that crystal diamond films can be made by chemical vapour disposition. Kobashi provides information on the process and characterization technologies of oriented and heteroepitaxial growth of diamond films

2. Record Nr.	UNIORUON00300585
Autore	FIORATO, Adeline Charles
Titolo	Bandello entre l'histoire et l'ecriture : la vie, l'expérience sociale, l'évolution culturelle d'un conteur de la Renaissance / Adelin Charles Fiorato
Pubbl/distr/stampa	Firenze, : Olschki, 1979
ISBN	88-222-2851-0
Descrizione fisica	XXI, 685 p. ; 26 cm.
Disciplina	858
Soggetti	BANDELLO MATTEO
Lingua di pubblicazione	Italiano Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
