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Nota di contenuto	Cover; Contents; 1. Introduction; 2. Fast Growing Economies; 2.1 Definitions and Un-sustainability; 2.2 High Growth Economies (HGEs); Tables; 1. Decade Average per Capita GDP growth - Cross correlation; Charts; 1. Economies whose fast growth was due to Recovery from Past Collapse; 2. High Growth Economies (1961 to 2011); 2.3 Potential High Growth Economies (pHGEs); 3. Economies which showed Fast growth because of Recovery from Past Collapse; 4. Economies which showed High Growth Potential (1961-2011); 2.4 Catch up Growth and Middle Income Trap 5. Ratio of country PcGdp PPP to USA at start and end of fast growth period 6. Catch-up Growth-Middle Income Trap (MIT); 2.5 Sustaining Growth : Lessons; 2. Fast growth period - per Capita Gdp growth and Potential Determinants; 3. Political Economy; 3.1 Institutional Responses; 3.2 Conflict Resolution; 3.3 Fiscal Lessons from Financial Crises; 4. India : Economic Reforms and Growth Transition; 4.1 J Curve : Heuristic Theory; 4.2 Phasing of Liberalization : Competition Dynamics; 4.3 Timing of Sector Liberalization; 4.4 Public-Private Mix; 4.5 Incomplete Reforms: Threat and Opportunity 5. Domestic Enterprenur led Growth 5.1 Potential Growth; Figures; 1. Potential Growth rate of Indian Economy; 2. Post 1990 Trend and J Curve; 6. Policy Reforms for Sustaining Growth; 6.1 Oil/energy; 6.2 Food Prices and Policy; 6.3 Urban Governance : Land Market; 6.4 Human Capital : Skills; 6.5 Resource Rents and Corruption; 6.6 Macro Economics; 7. Conclusion; 8. References; A2.1 Asian HGEs rate of Growth of per capita GDP; Appendices; 1. Asian Fast Growing Economies; A2.2 Asian pHGEs rate of Growth of per capital GDP; 2. China Growth; 3. Testing the J Curve Hypothesis A3.1 Growth Phases II and III and J curve effect on latterA4.1 Annual Rate of Growth of GDP at Market Prices (2004-5 prices); 4. Recent Trends, Cycles and Shocks; A4.2 Rate of Growth of GDP at 2004-5 market price (quarterly)
Sommario/riassunto	The paper reviews and draws lessons from the experience of fast growing economies including a sub-set of these termed High Growth Economies (HGEs) with a decadal rate of over 7 per cent. It then reviews

	the history of the Indian growth acceleration following the reforms of the 1990s and its future prospects given the recent slowdown. It analysis the potential dangers and reasons for India’s growth slowdown and proposes policy reforms for sustaining fast growth.

2.

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Descrizione fisica	1 online resource (219 p.)
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Altri autori (Persone)	TanakaYuto S
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Nota di contenuto	Intro -- DIAMOND-LIKE CARBON FILMS -- DIAMOND-LIKE CARBON FILMS -- Contents -- Preface -- Advanced Pulsed Arc Technique of Fabrication of DLC Films and Their Technical and Medical Applications -- 1. Design and Operating Principles of the Pulsed Plasma Source -- The Main Result of the DLC Film Deposition by Pulsed Arc Technique -- 2. Plasma Separation -- 3. Spectroscopic and Probe Diagnostics of Carbon Plasma -- 4. A Novel Combined PVD-CVD Method of DLC Film Depositing -- References -- Peculiarities of Ion-Beam Synthesis of Carbon-Based Phases -- Abstract -- 1. Introduction -- 2. The Principle of Structural Compliance at Phase Transformation under Ion Irradiation -- 3. Experimental Evidences of the Principle of Structural Compliance at Ion Synthesis of Carbon-Rich or other Bulk Phases -- 3.1. Carbon Phase with the Face-Centered Cubic Structure Formed under Irradiation of Graphite Films -- 3.2. Ion Synthesis of Silicon Carbide by Carbon Implantation in Si -- 3.3. Ion Synthesis of Al4C3, AlN and AlB Phases -- 4. Carbon and Carbon-Rich Nanophases -- Conclusion -- Acknowledgments -- References -- Electron Field Emission Properties of Nonmetal and Metal Doped Diamond Like Carbon -- 1. Abstruct --

2. Introduction -- 2.1. Diamond Like Carbon (DLC) as a Material -- 2.2. Structure of DLC -- 2.3. Why also there is Interest in DLC -- 2.4. Difficulties of Pure DLC Material and how to over Come the Problems -- 3. Basic Theory of Electron Field Emission -- 4. Field Emission of DLC Thin Films -- 5. Synthesis and Field Emission of Metal and Nonmetal Doped DLC Thin Films -- 5.1. Synthesis and Electron Field Emission Property of Silicon Incorporated DLC (Si-DLC) Thin Films -- 5.2. Synthesis and Field Emission Property of Ag-DLC Thin Films -- 5.3. Synthesis and Study the Field Emission of Fluorine Doped (F-DLC) Thin Films -- Conclusion -- References.
Internal Stress of Hydrogenated Diamond-Like Carbon Films -- Abstract -- 1. Internal Stress of Diamond-Like Carbon (DLC) Thin Film -- 1.1. Origin of the Internal Stress -- 1.2. Reduction in the Internal Stress -- 2. Internal Stress of DLC Thin Films Deposited by EBEP-CVD -- 2.1. EBEP-CVD System -- 2.2. Correlation between Deposition Parameters and Film Properties [32] -- 2.3. Correlations between Internal Stresses and Structural Properties [32] -- 2.4. Internal Stress Reduction by Silicon Incorporation [44] -- References -- Diamond-Like Carbon Films Improve their Properties with the Incorporation of Crystalline Diamond Particles -- Abstract -- Introduction -- Tribocorrosion -- Diamond-Like Carbon (DLC) -- Nanoparticle-Incorporated DLC Films -- The Synthesis Procedure of Crystalline Diamond-Incorporated DLC Films -- CD-DLC Film Characterization -- Electrochemical Tests -- Tribocorrosion -- Conclusion -- Acknowledgments -- References -- DLC Thin Films Growth in Thermionic Vacuum Arc Technologies: TVA and GTVA -- Abstract -- Introduction -- Experimental details -- Electrodes Configuration -- Results and Discussion -- Conclusions -- Acknowledgments -- References -- Hard Cr-Containing Diamond-Like Carbon Films in Mid-Frequency Dual-Magnetron Sputtering -- Abstract -- Section 1: Hard and Superhard Cr-Containing -- Diamond-Like Carbon Films -- 1. Introduction -- 2. Experimental Details -- 3. Results -- 4. Conclusion -- Section 2: Cr-Doped DLC Films in Three Mid-Frequency Magnetron Power Modes -- 1. Introduction -- 2. Experimental Details -- 3. Results -- 4. Conclusion -- Section 3: Preparation and Properties of -- Thick DLC Film -- 1. Introduction -- 2. Experimental Details -- 3. Results -- 4. Conclusion -- Section 4: Influence of Cr Content and Nanograin Size on Microstructure, Mechanical and Sliding Tribological Behavior of Hard Cr-DLC Films.
1. Introduction -- 2. Experimental Details -- 3. Results -- 4. Conclusion -- References -- A Diamond-Like Carbon Film Applied as an Alignment Layer for LCDs -- Abstract -- 1. Introduction -- 2. DLC Films Using Ion Beam or UV Light Non-Contact Alignment Process -- 2.1. Experiment -- 2.2. Results and Discussion -- 2.2.1. PECVD and Sputtered DLC Films -- 2.2.2. UV Photo-Alignment -- 2.2.3. Ion beam alignment -- 3. Novel DLC Films without Any Alignment Process -- 3.1. Experiments -- 3.2. Results and Discussion -- 3.2.1.Optical Characteristics -- 3.2.2. Electro-Optical Characteristics -- 3.2.3. DLC Film Conditions -- 3.2.4. LC Adsorbability to the DLC Film -- 4. Summary -- Acknowledgment -- References -- Index.

Sommario/riassunto

This book presents current research from across the globe in the study of diamond-like carbon films. Topics discussed include the peculiarities of ion-beam synthesis of carbon-based phases; electron field emission properties of non-metal and metal doped diamond like carbon; internal stress and its reduction of hydrogenated diamond-like carbon thin films deposited by plasma CVD methods; incorporating crystalline diamond particles in diamond-like carbon films to improve their properties and diamond-like carbon films applied as an alignment

layer for LCDs.