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Nota di contenuto	Growth Market Nanotechnology; Table of Contents; Foreword; Contributors; Overall Synopsis; 1 Introduction; 1.1 Initial Situation and Goal of the Study; 1.2 Methodological Procedure; 1.3 Structure of the Report; Acknowledgements; 2 Notes on Nanotechnology; 2.1 Definition of a Complex Term; 2.2 Bottom-up and Top-down Strategies; 2.3 New Effects through Nanoscalability; 2.4 Thematic and Structural Interdisciplinarity; 2.4.1 Nanomaterials, Ultrathin Coatings and Porous Structures; 2.4.2 Nanobiotechnology; 2.4.3 Nanooptics; 2.4.4 Nano-optoelectronics and Spin Systems; 2.4.5 Nanoelectronics 2.4.6 Nanoanalysis2.4.7 Industrial Production; 2.5 Central Players in Germany; 2.5.1 Networks; 2.5.1.1 BMBF-funded Competence Centers (CCN); 2.5.1.2 Other Networks; 2.5.2 Institutional Research Facilities; 2.5.2.1 Wissensgemeinschaft G. W. Leibniz (WGL); 2.5.2.2 Helmholtz Gemeinschaft deutscher Forschungszentren (HGF) (Association of German Research Centers); 2.5.2.3 Max-Planck-Gesellschaft (MPG); 2.5.2.4 Fraunhofer-Gesellschaft (FhG); 2.5.3 Universities and Other Research Facilities; 2.5.4 Industrial Research and Development

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3.6.2.2 CVD Process

Sommario/riassunto

With its assessment and linking of study reports into a coherent narrative, this book accurately describes the technological and economic opportunities of nanotechnology in all important sectors of industry affected. As such, it provides an in depth-analysis within the context of product groups and lead markets on the international level, with the focus on Germany. Much cited internationally, Gerd Bachmann applies a so-called method mix to avoid the weaknesses of other studies conducted purely using quantitative research methods, which leave too many white spots to enable an accurate analysis.
