

1. Record Nr.	UNINA9910465447803321
Autore	Valerini D
Titolo	ZnO nanostructures deposited by laser ablation [[electronic resource] /] / D. Valerini ... [et al.]
Pubbl/distr/stampa	Hauppauge, NY, : Nova Science Publishers, c2010
ISBN	1-61761-770-9
Descrizione fisica	1 online resource (80 p.)
Collana	Nanotechnology science and technology
Disciplina	620/.5
Soggetti	Nanostructured materials - Design and construction Pulsed laser deposition Zinc oxide thin films Electronic books.
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 (p. [59]-63) and index.
Nota di contenuto	""ZNO NANOSTRUCTURES DEPOSITED BY LASER ABLATION""; ""ZNO NANOSTRUCTURES DEPOSITED BY LASER ABLATION""; ""CONTENTS ""; ""PREFACE ""; ""INTRODUCTION""; ""1.1. PROPERTIES AND APPLICATIONS OF ZINC OXIDE AND ITS NANOSTRUCTURES ""; ""1.2. GROWTH TECHNIQUES FOR ZINC OXIDE NANOSTRUCTURES ""; ""ZINC OXIDE NANOSTRUCTURES BY LASER ABLATION: AN OVERVIEW ""; ""2.1. THE PULSED LASER DEPOSITION TECHNIQUE ""; "" 2.2. NANOSTRUCTURED ZINC OXIDE BY PLD IN THE WORLD ""; ""A) Kyushu University (Fukuoka, Japan), Fudan University (Shanghai, China), University of Miyazaki (Miyazaki, Japan) "" ""A1) Refs. [100,101,102,103] """"A2) Refs. [104,105,106,107,108,109] ""; ""A3) Ref. [110] ""; ""B) University of Bristol (Bristol, UK), Refs. 111,112,113,114,115] ""; ""C) University of Delhi (Delhi, India), University of Puerto Rico (San Juan, Puerto Rico), Harbin Institute of Technology (Harbin, China) ""; ""C1) Refs. [116,117] ""; ""C2) Refs. [118] ""; ""D) Osaka University (Osaka, Japan), Chiang Mai University (Muang Chiang Mai, Thailand), ref. [119]""; ""E) Korea Institute of Science and Technology (Seoul, Republic of Korea), ref. [120] "" ""K) University of Canterbury (Christchurch, New Zealand), The Macdiarmid Institute of Advanced Materials and Nanotechnology (New Zealand), Ref. [129] """"L) University of Technology (Dalian, China), ref.

[130] ""; ""M) University of Salento (Lecce, Italy), refs. [131,132] "";
""RESULTS ""; "" 3.1. EXPERIMENTAL PLD SET-UP AND DEPOSITION
PARAMETERS ""; ""3.2. MORPHOLOGY ""; ""3.2.a. KrF-Deposited Samples
($\lambda = 248$ nm, $E = 5$ eV) ""; ""3.2.b. ArF-deposited Samples ($\lambda = 193$
nm, $E = 6.42$ eV) ""; ""3.2.c. Comparison between KrF and ArF -
Deposited Samples ""
""3.3. SUMMARY OF OTHER CHARACTERIZATIONS """"3.4. GAS SENSING
TESTS ""; ""CONCLUSION ""; ""ACKNOWLEDGMENTS ""; ""REFERENCES "";
""INDEX ""
