

1. Record Nr.	UNINA9910461456403321
Titolo	Lithography [[electronic resource]] : principles, processes and materials // Theodore C. Hennessy, editor
Pubbl/distr/stampa	New York, : Nova Science, c2011
ISBN	1-61122-123-4
Descrizione fisica	1 online resource (299 p.)
Collana	Engineering tools, techniques and tables Nanotechnology science and technology
Altri autori (Persone)	HennessyTheodore C
Disciplina	621.3815/31
Soggetti	Microlithography Microfabrication 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 and index.
Nota di contenuto	""LITHOGRAPHY:PRINCIPLES, PROCESSES AND MATERIALS""; ""CONTENTS""; ""PREFACE""; ""PRINCIPLE, PROCESSES AND MATERIALS FOR NANO IMPRINT LITHOGRAPHY""; ""1. INTRODUCTION""; ""2. PRINCIPLE AND FUNDAMENTAL PROCESS FOR NIL""; ""2.1. Principle of NIL""; ""2.2. Theoretical Analysis for NIL""; ""2.3. Fundamental Process for NIL""; ""3. VARIATIONS OF NIL PROCESSES""; ""3.1. Combined Thermal and UV-NIL""; ""3.2. Reverse Imprint Process""; ""3.3. Laser- Assisted Direct Imprint""; ""3.4. Roll Imprint Process""; ""3.5. Substrate Conformal Imprint Lithography (SCIL)""; ""3.6. Large Area Imprint"" ""3.7. Nanoelectrode Lithography""""3.8. Hybrid NIL Process""; ""3.9. Metal Nanoparticle Nanoimprinting Process""; ""3.10. High Resolution NIL""; ""3.11. Other NIL Processes""; ""4. NIL MATERIALS""; ""4.1. NIL Resists""; ""4.2. Functional Materials and Other Imprintable Materials""; ""4.3. Mold Materials""; ""5. PROSPECTS AND CHALLENGES IN NIL""; ""6. CONCLUSION""; ""ACKNOWLEDGMENTS""; ""REFERENCES""; ""NANOFABRICATION IN ELECTRONBEAM LITHOGRAPHY""; ""1. ELECTRON BEAM LITHOGRAPHY OVERVIEW""; ""1.1. Introduction to the Electron Beam Lithography System""; ""1.2. Proximity Effect"" ""1.3. Numerical Calculation of the E-beam (Monte Carlo Method)""""2. CARBON NANOTUBE (CNT) BASED DEVICES""; ""2.1.Introduction to carbon nanotubes ""; ""2.2. VACNT Based FE Device with Individual

Cathode Structures""; ""2.3. Field Emission Properties of Single Vertically Aligned Carbon Nanotubes""; ""2. VARIO""; ""2.4. Application in Micro CNT Column System""; ""3. FABRICATION OF 3D NANOSTRUCTURES ON CYLINDRICAL ROLLERS""; ""3.1. Introduction to Nanolithography""; ""3.2. In-House Field Emission Measurement Facility""; ""4. CONCLUSIONS""; ""ACKNOWLEDGMENT""; ""REFERENCES"" ""GENERATION OF MICRO PATTERNS ON SIDE SURFACES OF POLYMER AND SUBSTRATES USING A MICROPUNCHING LITHOGRAPHY APPROACH"" ""ABSTRACT""; ""1. INTRODUCTION""; ""2. MACROPUNCHING METHOD AND MPL""; ""3. AU SIDEWALL PATTERNS ON HDPE CHANNELS""; ""3.1. Fabrication Procedure""; ""3.2. Experimental Results and Discussions""; ""4. SUPER HYDROPHOBIC PDMS CHANNELS""; ""4.1. Fabrication Process""; ""4.2. Experimental Results and Discussions""; ""5. FABRICATION OF AU DOTS ON SI SIDEWALLS""; ""5.1. Fabrication Procedures""; ""5.2. Results and Discussions""; ""6. SUMMARY AND CONCLUSIONS""; ""ACKNOWLEDGMENTS"" ""REFERENCES"" ""LITHOGRAPHY: PRINCIPLES, PROCESSES AND MATERIALS""; ""ABSTRACT""; ""1. INTRODUCTION""; ""2. PRINCIPLE OF LITHOGRAPHY""; ""3. PROCESSES OF LITHOGRAPHY""; ""3.1. RIE-NSL Lithography [32]""; ""3.2. FIB Lithography""; ""3.3. Laser Interference Lithography""; ""4. MATERIALS OF LITHOGRAPHY""; ""4.1. Materials of RIE-NSL Lithography""; ""4.2. Materials of FIB Lithography""; ""4.3. Materials of Laser Interference Lithography""; ""5. CONCLUSIONS""; ""REFERENCES""; ""LASER INTERFERENCE LITHOGRAPHY""; ""ABSTRACT""; ""1. INTRODUCTION""; ""2. THEORY""; ""3. INSTRUMENTATION"" ""3.1. Choice of Laser""

2.	Record Nr.	UNISALENTO991001814999707536
	Autore	Pekary, Thomas
	Titolo	Storia economica del mondo antico / Pekary Thomas
	Pubbl/distr/stampa	Bologna : Il Mulino, 1986
	ISBN	8815008942
	Descrizione fisica	254 p. ; 21 cm.
	Collana	Universale Paperbacks ; 195
	Disciplina	330.930
	Soggetti	Grecia antica - Economia - Storia Roma antica - Economia - Storia
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
3.	Record Nr.	UNISANNIOURB0427804
	Titolo	Handbook of solid waste management / George Tchobanoglous, Frank Kreith
	Pubbl/distr/stampa	New York [etc.] , : McGraw Hill, 2002
	ISBN	0071356231
	Edizione	[2. ed]
	Descrizione fisica	1 volume (paginazione varia) : ill. ; 25 cm
	Collana	McGraw-Hill handbooks
	Disciplina	628.4 628.44068
	Soggetti	Rifiuti solidi - Eliminazione Rifiuti solidi - Recupero - Tecnologia
	Collocazione	SALA DING 628.4 HANOSW
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia

