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Titolo	Molecular beam epitaxy [[electronic resource]] : from research to mass production / / edited by Mohamed Henini
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Descrizione fisica	1 online resource (745 p.)
Altri autori (Persone)	Henini Mohamed
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Soggetti	Molecular beam epitaxy Optoelectronic devices - Materials Semiconductors - Materials 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	Front Cover; Molecular Beam Epitaxy: From research to mass production; Copyright; Contents; Preface; Contributors; Chapter 1 - Molecular beam epitaxy: fundamentals, historical background and future prospects; 1.1 INTRODUCTION; 1.2 BASICS OF MBE; 1.3 THE TECHNOLOGY OF MBE; 1.4 DIAGNOSTIC TECHNIQUES AVAILABLE IN MBE SYSTEMS; 1.5 THE PHYSICS OF MBE; 1.6 HISTORICAL BACKGROUND; 1.7 FUTURE PROSPECTS; 1.8 CONCLUSIONS; REFERENCES; Chapter 2 - Molecular beam epitaxy in the ultra-vacuum of space: present and near future; 2.1 INTRODUCTION; 2.2 WAKE SHIELD FACILITY; 2.3 SHIELD; 2.4 CURRENT STATUS 2.5 CONCLUSIONS REFERENCES; Chapter 3 - Growth of semiconductor nanowires by molecular beam epitaxy; 3.1 INTRODUCTION; 3.2 NANOWIRES GROWN BY MOLECULAR BEAM EPITAXY: AN OVERVIEW; 3.3 GROWTH DYNAMICS: MODELS AND EXPERIMENTAL STUDIES; 3.4 CHARACTERISATION AND STRUCTURAL COMPLEXITY; 3.5 OPTICAL PROPERTIES; 3.6 MBE-GROWN NANOWIRE DEVICES: FROM FUNDAMENTALS TO APPLICATIONS; 3.7 CONCLUSIONS; REFERENCES; Chapter 4 - Droplet epitaxy of nanostructures; 4.1 INTRODUCTION; 4.2

DROPLET EPITAXY; 4.3 DROPLET DEPOSITION; 4.4 NANOSTRUCTURE FORMATION; 4.5 CAPPING AND POST-GROWTH ANNEALING PROCEDURES

4.6 PULSED DROPLET EPITAXYACKNOWLEDGEMENTS; REFERENCES; Chapter 5 - Migration-enhanced epitaxy for low-dimensional structures; 5.1 INTRODUCTION; 5.2 AREA SELECTIVE EPITAXY BY MEE; 5.3 POLAR DIAGRAM OF THE GROWTH RATE OF III-V COMPOUND SEMICONDUCTORS; 5.4 FORMATION OF CRYSTAL FACETS AT THE BOUNDARIES OF MICROSTRUCTURES; 5.5 AREA SELECTIVE GROWTH ON (001) GAAS SUBSTRATE BY MEE USING AS4 AND AS2; 5.6 AREA SELECTIVE GROWTH ON (111)B GAAS SUBSTRATE BY MEE; 5.7 SUMMARY; ACKNOWLEDGEMENTS; REFERENCES; Chapter 6 - MBE growth of high-mobility 2DEG; 6.1 INTRODUCTION; 6.2 HIGH-MOBILITY MBE SYSTEM

Chapter 10 - Effect of antimony coverage on InAs/GaAs (001) heteroepitaxy

Sommario/riassunto

This multi-contributor handbook discusses Molecular Beam Epitaxy (MBE), an epitaxial deposition technique which involves laying down layers of materials with atomic thicknesses on to substrates. It summarizes MBE research and application in epitaxial growth with close discussion and a 'how to' on processing molecular or atomic beams that occur on a surface of a heated crystalline substrate in a vacuum. MBE has expanded in importance over the past thirty years (in terms of unique authors, papers and conferences) from a pure research domain into commercial applications (prototype devi

2. Record Nr.	UNINA9910150524403321
Autore	Holland Nick
Titolo	In search of Anne Bronte / / Nick Holland
Pubbl/distr/stampa	Stroud, Gloucestershire, [England] : , : The History Press, , 2016 2016
ISBN	0-7509-6869-9
Descrizione fisica	1 online resource (206 pages, 19 unnumbered pages of plates) : illustrations
Disciplina	823.8
Soggetti	Women authors, English Authors, English - 19th century
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	The first biography of the author of <i>Agnes Grey</i> and <i>The Tenant of Wildfell Hall</i> in over half a century. Anne Bronte, the youngest and most enigmatic of the Bronte sisters, remains a bestselling author nearly two centuries after her death. The brilliance of her two novels - <i>Agnes Grey</i> and <i>The Tenant of Wildfell Hall</i> - and her poetry belies the quiet, yet courageous girl who often lived in the shadows of her more celebrated sisters. Yet her writing was the most revolutionary of all the Brontes, pushing the boundaries of what was acceptable. This revealing new biography opens Anne's most private life to a new audience and shows the true nature of her relationship with her sister Charlotte. SELLING POINTS: * Feature length film of the Brontes to be screened in April 2016, the beginning of a five-year programme of Bronte events * Challenges the idea of Anne and her sister Charlotte had a close relationship and reveals rivalry between them * Bronte Society has over 2,000 members in the UK and the Haworth Museum has 75,000 visitors per year 16 b/w illustrations

3. Record Nr.	UNINA9910787044903321
Autore	Lotz Amanda D (1974-).
Titolo	The television will be revolutionized / / Amanda D. Lotz
Pubbl/distr/stampa	London : , : New York University Press, , op. 2014 Baltimore, Md. : , : Project MUSE, , 2021 ©op. 2014
ISBN	1-4798-3007-0 1-4798-9039-1
Edizione	[2nd edition.]
Descrizione fisica	1 online resource (351 pages)
Classificazione	PER010030TEC000000LAW096000
Disciplina	384.55/0973
Soggetti	Television broadcasting Television broadcasting - United States Television - Technological innovations Television broadcasting - Technological innovations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- Contents -- Preface -- Acknowledgments -- Introduction -- 1. Understanding television at the beginning of the post-network era -- 2. Television outside the box: the technological revolution of television -- 3. Making television: changes in the practices of creating television -- 4. Revolutionizing distribution: breaking open the network bottleneck -- 5. The new economics of television -- 6. Recounting the audience: measurement in the age of broadband -- 7. Television storytelling possibilities at the beginning of the post-network era: five cases -- Conclusion. Still watching television -- Notes -- Selected bibliography -- Index -- About the author
Sommario/riassunto	Go behind the TV screen to explore what is changing, why it is changing, and why the changes matters. Many proclaimed the "end of television" in the early years of the twenty-first century, as capabilities and features of the boxes that occupied a central space in American living rooms for the preceding fifty years were radically remade. In this revised, second edition of her definitive book, Amanda D. Lotz proves that rumors of the death of television were greatly exaggerated and explores how new distribution and viewing technologies have

resurrected the medium. Shifts in the basic practices of making and distributing television have not been hastening its demise, but are redefining what we can do with television, what we expect from it, how we use it—in short, revolutionizing it. Television, as both a technology and a tool for cultural storytelling, remains as important today as ever, but it has changed in fundamental ways. *The Television Will Be Revolutionized* provides a sophisticated history of the present, examining television in what Lotz terms the “post-network” era while providing frameworks for understanding the continued change in the medium. The second edition addresses adjustments throughout the industry wrought by broadband delivered television such as Netflix, YouTube, and cross-platform initiatives like TV Everywhere, as well as how technologies such as tablets and smartphones have changed how and where we view. Lotz begins to deconstruct the future of different kinds of television—exploring how “prized content,” live television sports and contests, and linear viewing may all be “television,” but very different types of television for both viewers and producers. Through interviews with those working in the industry, surveys of trade publications, and consideration of an extensive array of popular shows, Lotz takes us behind the screen to explore what is changing, why it is changing, and why the changes matter.
