

1. Record Nr.	UNINA9910313559003321
Autore	Vahl, Martin
Titolo	Martini Vahlii ... Enumeratio plantarum, vel ab aliis, vel ab ipso observatarum, cum earum differentiis specificis, synonymis selectis et descriptionibus succinctis. Volumen I. [-II.]
Pubbl/distr/stampa	Hauniae, : impensis auctoris, & prostat apud J.H. Schubotthe, 1805-1806
Descrizione fisica	2 v. ; 8 <sup>o</sup>
Locazione	DBV
Collocazione	B V 26 (1 B V 26 (2 E IV 11 E IV 12
Lingua di pubblicazione	Latino
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	L'indicazione di pubblicazione varia nel v. 2

2. Record Nr.	UNINA9910955477803321
Titolo	Molecular beam epitaxy : from research to mass production / / edited by Mohamed Henini
Pubbl/distr/stampa	Amsterdam, : Elsevier, c2012
ISBN	9781283734264 1283734265 9780123918598 0123918596
Edizione	[1st ed.]
Descrizione fisica	1 online resource (745 p.)
Altri autori (Persone)	HeniniMohamed
Disciplina	621.3815 621.38152 621.381
Soggetti	Molecular beam epitaxy Optoelectronic devices - Materials Semiconductors - Materials
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

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#### 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

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3. Record Nr.	UNINA9910964963103321
Autore	Wald E
Titolo	Vice in the Barracks : Medicine, the Military and the Making of Colonial India, 1780-1868 / / by E. Wald
Pubbl/distr/stampa	London : , : Palgrave Macmillan UK : , : Imprint : Palgrave Macmillan, , 2014
ISBN	9781137270993 1137270993
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (286 p.)
Collana	Cambridge Imperial and Post-Colonial Studies, , 2635-1641
Disciplina	954.031
Soggetti	Imperialism Great Britain - History Social history Science - History International relations Asia - History Imperialism and Colonialism History of Britain and Ireland Social History History of Science International Relations History of South Asia
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	Cover; Contents; List of Illustrations; Acknowledgements; Note on Transliteration, Currency and Military Ranks; Map; Introduction; Unpicking the Contagious Diseases Acts; Approaches to the European soldier; (Re)Shaping Indian health and society; Organisation and structure; 1 The East India Company, the Army and Indian Society; The East India Company and its army; Begums and Bibis; The reconstruction of the "prostitute"; Conclusion; 2 Regulating the Body: Experiments in Venereal Disease Control, 1797-1831; Medical conceptions of venereal disease

Early experimentation with lock hospitals and regulationBalancing the budget: the costs of regulation; "Martyrs to the effects of their licentiousness": morality and disease; Excuses, solutions and the production of racial and cultural stereotypes; Conclusion; 3 Medicine and Disease in the "Age of Reform"; Surgeons and administrators in the Age of "Reform"; Essays, societies and journals; The 1831 Bengal Medical Board circular on venereal disease; Journals and venereal disease; Conclusion; 4 The Body of the Soldier and Space of the Cantonment; Intemperance and the soldier  
Military and medical descriptions of the European soldierCanteen and cantonment: medical theories and proposals for military spaces; Ordering the cantonment: military and government regulations; Disorderly European women; Courts martial and punishment; Disgraceful and unbecoming conduct; Conclusion; 5 "Unofficial" Responses to Lock Hospital Closure, 1835-1868; Responses to the closure of lock hospitals in the 1830s; The dispensary and charity hospital; Working around the abolition; Wars and sanitary commissions; Conclusion; Conclusion; Appendix 1; Appendix 2; Notes; Glossary; Bibliography  
Index

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#### Sommario/riassunto

Shortlisted for the 2014 Royal Historical Society's Gladstone Prize and the 2014 Templer Award for the Best First Book by a New Author. Sex and alcohol preoccupied European officers across India throughout the nineteenth century, with high rates of venereal disease and alcohol-related problems holding serious implications for the economic and military performance of the East India Company. These concerns revolved around the European soldiery in India - the costly, but often unruly, 'thin white line' of colonial rule. This book examines the colonial state's approach to these vice-driven health risks. In doing so it throws new light on the emergence of social and imperial mindsets and on the empire, fuelled by fear of the lower orders, sexual deviation, disease and mutiny. An exploration of these mindsets reveals a lesser-explored fact of rule - the fractured nature of the Company state. Further, it shows how the measures employed by the state to deal with these vice-driven health problems had wide-ranging consequences not simply for the army itself but for India and the empire more broadly. By refocusing our attention on to the military core of the colonial state, Wald demonstrates the ways in which army decision-making stretched beyond the cantonment boundary to help define the state's engagement with and understanding of Indian society.

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