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Autore	Vahl, Martin
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Altri autori (Persone)	HeniniMohamed
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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

3. Record Nr.	UNINA9910964963103321
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Titolo	Vice in the Barracks : Medicine, the Military and the Making of Colonial India, 1780-1868 // by E. Wald
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ISBN	9781137270993 1137270993
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Early experimentation with lock hospitals and regulation
Balancing 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 soldier
Canteen 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

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.
