1.	Record Nr.	UNINA9910792532103321
	Autore	Carter K. Codell (Kay Codell), <1939-, >
	Titolo	The rise of causal concepts of disease : case histories / / K. Codell Carter
	Pubbl/distr/stampa	London ; ; New York : , : Routledge, , 2016
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	Lingua di pubblicazione	Inglese
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	Nota di contenuto	1. Causes of disease in early nineteenth-century practical medicine -- 2. Universal necessary causes -- 3. Etiological characterizations -- 4. Microorganisms as causes -- 5. The bacterial hypothesis -- 6. A bacterial theory of disease -- 7. Proving disease causation -- 8. The etiological standpoint -- 9. An ideational theory of disease -- 10. Protozoal and viral theories of disease -- 11. A nutritional deficiency theory of disease.

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Autore	Dahotre Narendra B.
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Descrizione fisica	1 online resource (303 pages)
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Soggetti	Additive manufacturing Laser sintering
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover -- Title Page -- Copyright -- Contents -- Preface -- Acronyms -- Chapter 1 Introduction to Additive Manufacturing -- 1.1 Evolution of Manufacturing -- 1.2 Concept of AM -- 1.3 Advantages over Conventional Manufacturing Techniques -- 1.4 LaserBased AM -- 1.4.1 LaserBased Directed Energy Deposition -- 1.4.1.1 Machine Design -- 1.4.1.2 Process Parameters -- 1.4.2 Laser Powder Bed Fusion -- 1.4.2.1 Process Parameters -- 1.4.3 Estimation of Energy Input in LAM Processes -- 1.4.4 MultiStep LAM Techniques -- References -- Chapter 2 Multiscale Computational Approaches to LAM -- 2.1 Computational Science -- 2.1.1 Computational Material Science -- 2.2 Multiscale Modeling -- 2.2.1 NanoMicroScale Modeling -- 2.2.1.1 Molecular Dynamics and Density Functional Theory -- 2.2.1.2 Monte Carlo Method -- 2.2.2 MesoMacro Scale Modeling -- 2.2.2.1 Kinetic Monte Carlo Method -- 2.2.2.2 Cellular Automata -- 2.2.2.3 Phase Field Method -- 2.2.2.4 Finite Element Method -- 2.3 Integrated Computational Materials Engineering (ICME) -- References -- Chapter 3 Laser Matter Interaction in LAM -- 3.1 Introduction -- 3.1.1 Physical Phenomena in LAM -- 3.2 Components of Mathematical Models in Metal AM -- 3.3 Feedstock -- 3.3.1 Powder Bed Morphology in LPBF -- 3.3.1.1 Discrete Element Method -- 3.3.1.2 Powder Spreading