

1. Record Nr.	UNINA9910811306303321
Autore	Fang Xiaoping
Titolo	China and the Cholera Pandemic : Restructuring Society under Mao // Xiaoping Fang
Pubbl/distr/stampa	Pittsburgh : , : University of Pittsburgh Press, , 2021 ©2021
ISBN	0-8229-4662-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (x, 312 pages) : illustrations, maps ;
Collana	Histories and ecologies of health
Disciplina	614.5/140951 614.5140951
Soggetti	Plague Cholera Plague - China Cholera - China - History History China
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part 1: Global pandemic and mobility -- The origins of the epidemic: migrants and refugees in Cold War Asia -- Mobile people, mobile disease -- Part 2: Contagion, social divisions, and borders -- Social divisions, epidemiology, and disease distribution -- Quarantine and isolation: the rise of multiple borders -- Part 3: Pandemic emergency, data, and social structure -- Comprehensive inoculation, rural rhythms, and compiling registers -- Stool samples, archiving patients, and statistical politics -- "No. 2 disease": a national secret.
Sommario/riassunto	"Mao Zedong's Great Leap Forward campaign organized millions of Chinese peasants into communes in a misguided attempt to rapidly collectivize agriculture with disastrous effects. Catastrophic famine lingered as the global cholera pandemic of the early 1960s spread rampantly through the infected waters of southeastern coastal China. Confronted with a political crisis and the seventh global cholera pandemic in recorded history, the communist government committed to social restructuring in order to affirm its legitimacy and prevent

transmission of the disease. Focusing on the Wenzhou Prefecture in Zhejiang Province, the area most seriously stricken by cholera at the time, Xiaoping Fang demonstrates how China's pandemic was far more than a health incident; it became a significant social and political influence during a dramatic transition for the People's Republic. China and the Cholera Pandemic reveals how disease control and prevention, executed through the government's large-scale, clandestine anticholera campaign, were integral components of its restructuring initiatives, aimed at restoring social order. The subsequent rise of an emergency disciplinary health state furthered these aims through quarantine and isolation, which profoundly impacted the social epidemiology of the region, dividing Chinese society and reinforcing hierarchies according to place, gender, and socioeconomic status"--

2. Record Nr.	UNINA9910522923803321
Autore	Akhavan-Safar Alireza
Titolo	Cohesive Zone Modelling for Fatigue Life Analysis of Adhesive Joints // by Alireza Akhavan-Safar, Eduardo A. S. Marques, Ricardo J. C. Carbas, Lucas F. M. da Silva
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-93142-0
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (99 pages)
Collana	SpringerBriefs in Computational Mechanics, , 2191-5350
Altri autori (Persone)	MarquesEduardo A. S CarbasRicardo J. C SilvaLucas Filipe Martins da <1973->
Disciplina	621.825 668.3
Soggetti	Materials - Fatigue Materials Chemistry Computer simulation Continuum mechanics Materials Fatigue Computational Design Of Materials Continuum Mechanics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

Livello bibliografico

Monografia

Nota di contenuto

Cohesive zone modelling (CZM) -- CZM analysis for quasi static loading conditions -- Fatigue degradation models for adhesives -- Fatigue modelling of adhesive joints using CZM -- Mixed mode fatigue life analysis of a single lap adhesive joint using CZM.

Sommario/riassunto

This book explains the numerical method for fatigue life analysis of adhesive joints using the CZM technique. CZM is a robust approach that is widely used for failure analysis of adhesive joints exposed to various stress conditions including fatigue. In this book, various aspects of the numerical evaluation of adhesive bonds using CZM are discussed. First of all, it is explained how different load and environmental parameters influence the service life of adhesive connections. Various types of CZM shapes and their applications are then discussed. It was answered how different parameters of a CZM should be defined. It is also discussed which CZM form should be used for each condition. The book then describes how the CZM parameters should be degraded to simulate the cyclic loading behavior of bonded structures. Various CZM strategies for the fatigue life assessment of adhesive joints are discussed. The book presents various techniques that can be followed for the simulation of load cycles for both high-cycle and low-cycle fatigue regimes based on the concepts of the CZM. Details of numerical methods to be considered in the FE software for the fatigue life assessment of adhesives with CZM are also described in this book. Finally, some numerical examples using CZM are also provided.