

1. Record Nr.	UNINA9910141496203321
Autore	Recho Naman
Titolo	Fracture mechanics and crack growth [[electronic resource] /] / Naman Recho
Pubbl/distr/stampa	London, : ISTE Ltd. Hoboken, N.J., : John Wiley & Sons, c2012
ISBN	1-118-38718-X 1-118-56318-2 1-118-56328-X
Descrizione fisica	1 online resource (505 p.)
Collana	ISTE
Disciplina	620.1/126 620.1126
Soggetti	Fracture mechanics Materials - Fatigue 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	Introduction -- Modeling the mechanical fields at the crack tip -- Review of the continuum mechanics and the behavior laws -- Overview of fracture mechanics -- Fracture mechanics -- Crack propagation -- Prediction of the fracture by cracking of elements of metallic structures subjected to fatigue -- Possibilities offered by the laws of crack propagation in the study of fatigue life.
Sommario/riassunto	This book presents recent advances related to the following two topics: - how mechanical fields close to material or geometrical singularities such as cracks can be determined;- how failure criteria can be established according to the singularity degrees related to these discontinuities.Concerning the determination of mechanical fields close to a crack tip, the first part of the book presents most of the traditional methods in order to classify them into two major categories. The first is based on the stress field, such as the Airy function, and the second resolves the prob

2. Record Nr.	UNINA9910972606403321
Titolo	Psychological factors and cardiovascular disorders : the role of psychiatric pathology and maladaptive personality features // Leo Sher, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2008
ISBN	1-60876-277-7
Edizione	[1st ed.]
Descrizione fisica	vii, 365 p. : ill
Altri autori (Persone)	SherLeo
Disciplina	616.1001/9
Soggetti	Cardiovascular system - Diseases - Psychosomatic aspects Psychiatry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>Role of psychological risk factors in the pathogenesis of coronary artery disease / Rajesh Vijayvergiya -- Risk factors in coronary artery disease : gender matters / Anne Maria Moller-Leimkuhler -- Depression as a risk factor for the development of heart disease / Tye Dawood, Gavin Lambert -- Depression in patients with myocardial infarction / Abebaw Yohannes -- Depressive symptoms and atherosclerosis / Mohammed F. Faramawi -- Psychiatric disorders and cardiovascular disease : anxiety depression, and hypertension / Simon J.C. Davies ... [et al.] -- Cardiovascular disorders and depression with irritability, anger, and hostility / Renerio Fraguas Jr., Dan V. Iosifescu -- Depression in chronic heart failure : epidemiology, pathophysiology, and diagnostic tools / John T. Parissis ... [et al.] -- Diagnosing depression and quality of life in patients with chronic heart failure / Nicole Holzapfel ... [et al.] -- Heart failure : the manifestations and impact of negative emotions / Doris S. F. Yu -- Seasonal mood changes and coronary heart disease / Leo Sher --</p> <p>The role of posttraumatic stress disorder in coronary artery disease : epidemiology, risk factors, and potential mechanisms / Helle Spindler, Susanne S. Pedersen, Ask Elklit -- Sub-clinical psychological conditions affecting cardiovascular disorders / Chiara Rafanelli -- Peripheral arterial disease and cognitive function in older people / Snorri Bjorn Rafnsson -- The epidemiology of type D personality : a new</p>

cardiovascular risk factor : fact or fiction? / Susanne S. Pedersen, Helle Spindler -- Potential mechanisms that may explain adverse health outcomes in patients with a type D personality / Johan Denollet, Nina Kupper -- Hostility as a risk factor for coronary heart disease / Paola Gremigni -- Hostility and brain function : the impact of hostility on brain activity during affective verbal learning / D. Erik Everhart, Heath A. Demaree, David W. Harrison -- Negative affective states and arrhythmogenesis / Lephuong Ong, Jane Irvine -- Mental health comorbidity in cardiovascular disease : implications for interdisciplinary intervention / Amy L. Ai, Jagoda Pasic.

Sommario/riassunto

Psychiatric disorders and certain personality features are frequently associated with cardiovascular disorders. For the past several decades attention to the psychosocial and behavioural factors in cardiovascular disease has increased significantly. Understanding the integration of the interactions among multiple psychological and biological factors in the regulation of the cardiovascular system and the development of cardiovascular disorders is an important challenge for future research. This book will contribute to this goal. The contributors to this book are the leading international experts in the field of the relation between psychological processes and cardiovascular disorders. This important book will be of interest to physicians, psychologists, mental health counsellors, other clinicians, medical and psychology students, and medical residents.
