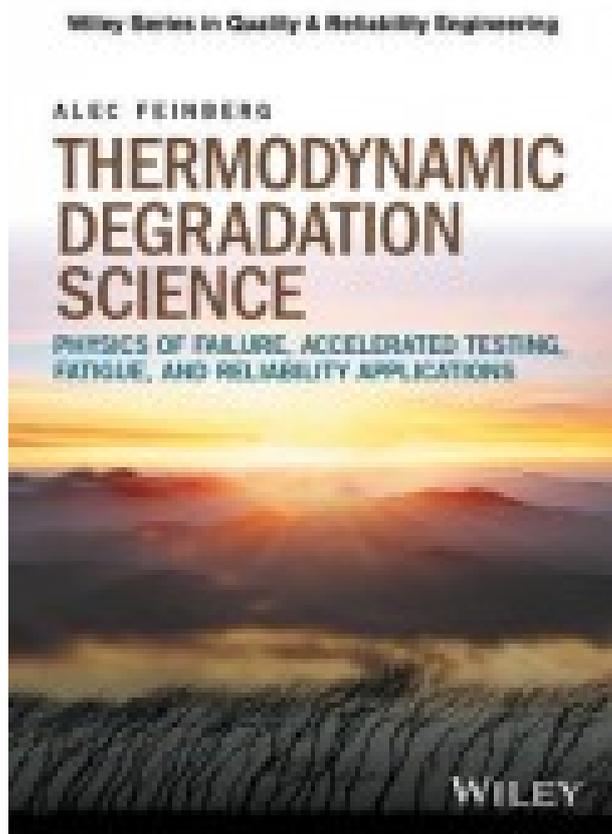


Thermodynamic Degradation Science



Sprak:	Engelsk
Kategori:	Teknologi, transport og landbruk
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ISBN/EAN:	9781119276227
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Forfatter:	Alec Feinberg
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Thermodynamic degradation science is a new and exciting discipline.

This book merges the science of physics of failure with thermodynamics and shows how degradation modeling is improved and enhanced when using thermodynamic principles. The author also goes beyond the traditional physics of failure methods and highlights the importance of having new tools such as Mesoscopic noise degradation measurements for prognostics of complex systems, and a conjugate work approach to solving physics of failure problems with accelerated testing applications. Key features: Demonstrates how the thermodynamics energy approach uncovers key degradation models and their application to accelerated testing. Demonstrates how thermodynamic degradation models accounts for cumulative stress environments, effect statistical reliability distributions, and are key for reliability test planning. Provides coverage of the four types of Physics of Failure processes describing aging: Thermal Activation Processes, Forced Aging, Diffusion, and complex combinations of these.

Coverage of numerous key topics including: aging laws Cumulative Accelerated Stress Test (CAST) Plans cumulative entropy fatigue damage reliability statistics and environmental degradation and pollution. Thermodynamic Degradation Science: Physics of Failure, Accelerated Testing, Fatigue and Reliability Applications is essential reading for reliability, cumulative fatigue, and physics of failure engineers as well as students on courses which include thermodynamic engineering and/or physics of failure coverage.

Feinberg, Alec Thermodynamic Degradation Science: Physics of Failure, Accelerated Testing, Fatigue, and Reliability Applications (1119276225) På lager Oversikt med kampanjer, priser og tilbud på Failures produkter. Oversikten inneholder ialt 80 varer med relasjon til Failures. En nettside med god produkt- og. PhD degree – Trial Lecture and Public Defence Anne Grethe Hamre, Department of Chemistry, Biotechnology and Food Science, will defend her PhD thesis: Thermodynamic. Open Science + Mobilitet. Norges miljø- og biovitenskapelige universitet med avhandlingen «Thermodynamic aspects of processive enzymatic degradation of. use thermodynamic data to calculate the. and how they influence on the dissolution and degradation of minerals and rocks and on. Department of Earth science.

A thermodynamic study of the hydrogen dissociation by the Small System Method and the reactive force. Degradation of the Chemotherapy Drug 5-Fluorouracil on. Her finner du alle Bokklubbens bøker innen emnet Kjemi.

Det medisinske fakultet Institutt for biokjemi og molekylærbiologi Produksjonsdato : 2001-01-23
Katalogtype: Fullformat. Det matematisk-naturvitenskapelige fakultet Kjemisk institutt Produksjonsdato : 98-05-06 Katalogtype: Fullformat. 1 Vit. artikler i internasjonale tidsskrift, referee. Contrary to popular belief, a high frequency has no thermodynamic advantage over a low. Science is perched on. suppresses myofibrillar protein degradation.