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Titolo	Advances in the management of primary and secondary insomnia // editor, William Vaughn McCall
Pubbl/distr/stampa	London, England : , : Future Medicine Ltd, , 2014 ©2014
ISBN	1-78084-481-6 1-78084-480-8
Descrizione fisica	1 online resource (105 pages) : illustrations, tables
Disciplina	616.8498
Soggetti	Insomnia - Treatment Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.

2. Record Nr.	UNINA9910437884403321
Autore	Francois Dominique
Titolo	Fracture mechanics and damage // Dominique Francois, Andre Pineau, Andre Zaoui
Pubbl/distr/stampa	Dordrecht, : Springer, 2013
ISBN	9781283945578 1283945576 9789400749306 9400749309
Edizione	[2nd ed. 2013.]
Descrizione fisica	1 online resource (687 p.)
Collana	Solid mechanics and its applications, , 0925-0042 ; ; 191 Mechanical behaviour of materials ; ; v. 2
Altri autori (Persone)	PineauA (Andre) ZaouiAndre
Disciplina	620.1 620.112
Soggetti	Fracture mechanics Continuum damage mechanics
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 indexes.
Nota di contenuto	Foreword -- Acknowledgements -- 1. Various Types of Damage -- 2. Fracture Mechanics -- 3. Brittle Fracture -- 4. Ductile Fracture -- 5. Ductile-Brittle Transition -- 6. Fatigue -- 7. Environment Assisted Cracking -- 8. Creep-Fatigue-Oxidation Interactions -- 9. Contact Mechanics; Friction and Wear -- 10. Damage and Fracture of Non-metallic Materials.-Appendix A: Diffusion Coefficients -- Author Index -- Subject Index.
Sommario/riassunto	Designing new structural materials, extending lifetimes and guarding against fracture in service are among the preoccupations of engineers, and to deal with these they need to have command of the mechanics of material behaviour. This ought to reflect in the training of students. In this respect, the first volume of this work deals with elastic, elastoplastic, elastoviscoplastic and viscoelastic behaviours; this second volume continues with fracture mechanics and damage, and with contact mechanics, friction and wear. As in Volume I, the treatment links the active mechanisms on the microscopic scale and the laws of

macroscopic behaviour. Chapter I is an introduction to the various damage phenomena. Chapter II gives the essential of fracture mechanics. Chapter III is devoted to brittle fracture, chapter IV to ductile fracture and chapter V to the brittle-ductile transition. Chapter VI is a survey of fatigue damage. Chapter VII is devoted to hydrogen embrittlement and to environment assisted cracking, chapter VIII to creep damage. Chapter IX gives results of contact mechanics and a description of friction and wear mechanisms. Finally, chapter X treats damage in non metallic materials: ceramics, glass, concrete, polymers, wood and composites. The volume includes many explanatory diagrams and illustrations. Exercises allowing deeper understanding of the subject treated as well as their solutions will be included as Springerextras.

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