1. Record Nr. UNINA9910784648403321

Autore	Rifkind David
Titolo	The Nobel Prize winning discoveries in infectious diseases [[electronic resource] /] / David Rifkind and Geraldine L. Freeman
Pubbl/distr/stampa	Amsterdam, : Elsevier/Academic Press, c2005
ISBN	1-280-64136-3 9786610641369 0-08-045957-9
Descrizione fisica	1 online resource (177 p.)
Classificazione	44.75
Altri autori (Persone)	FreemanGeraldine L
Disciplina	616.909
Soggetti	Nobel Prizes Communicable diseases Discoveries in science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Serotherapy -- Antimicrobial defenses -- MHC restriction -- Prontosil and the sulfonamides -- Penicillin -- Streptomycin -- Chemotherapeutic agents -- Tuberculosis -- Typhus -- Syphilis therapy -- Tobacco mosaic virus -- Yellow fever -- Poliomyelitis virus -- Hepatitis B virus -- Bacteriophage -- Bacteriophage lysogeny -- Rous sarcoma virus -- Polyoma virus -- Reverse transcriptase -- Viral oncogenes -- Kuru -- Prions -- Malaria -- Cancer parasite -- DDT.
Sommario/riassunto	This book presents the 24 discoveries in infectious diseases that have merited Nobel Prize recognition since the inception of the awards in 1901. Grouped according to biological groups rather than chronology, each discovery includes a biographical sketch of the laureate(s), a description of the research, and a summary of the current status of the field. In addition, consideration is given to the relevance of the research on the general field of biology and medicine.

2. Record Nr. UNINA9911007163203321

Autore	Chiang Young J.
Titolo	Fundamentals of design of experiments for automotive engineering / / Young J. Chiang, PhD, and Amy L. Chiang, MS
Pubbl/distr/stampa	Warrendale, Pennsylvania : , : SAE International, , 2023
ISBN	9781523158065 1523158069 9781468606041 1468606042 9781468606034 1468606034
Edizione	[1st ed.]
Descrizione fisica	1 online resource (1 PDF (xxxi, 324 pages)) : illustrations ; ; cm
Collana	Design of experiments for product reliability growth with automotive applications ; ; Volume I
Soggetti	Automobiles - Design and construction - Methodology Experimental design TECHNOLOGY & ENGINEERING / Automotive TECHNOLOGY & ENGINEERING / Industrial Design / Product Automotive technology and trades Technical design Product design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (pages 311-316) and index.
Nota di contenuto	Preface -- Acronyms -- Nomenclature -- Introduction -- Chapter 1: Reliability deployment -- Chapter 2: Full factorial design 2 K -- Chapter 3: Fractional factorial design 2 R K-P -- Chapter 4: General factorial design L K-P -- Chapter 5: Composite designs -- Chapter 6: Optimal designs -- Bibliography: books -- Index -- About the authors.
Sommario/riassunto	In a world where innovation and sustainability are paramount, Fundamentals of Design of Experiments for Automotive Engineering: Volume I serves as a definitive guide to harnessing the power of statistical thinking in product development. As first of four volumes in SAE International's DOE for Product Reliability Growth series, this book

presents a practical, application-focused approach by emphasizing DOE as a dynamic tool for automotive engineers. It showcases real-world examples, demonstrating how process improvements and system optimizations can significantly enhance product reliability. The author, Yung Chiang, leverages extensive product development expertise to present a comprehensive process that ensures product performance and reliability throughout its entire lifecycle. Whether individuals are involved in research, design, testing, manufacturing, or marketing, this essential reference equips them with the skills needed to excel in their respective roles. This book explores the potential of Reliability and Sustainability with DOE, featuring the following topics: - Fundamental prerequisites for deploying DOE: Product reliability processes, measurement uncertainty, failure analysis, and design for reliability. - Full factorial design 2K: A system identification tool for relating objectives to factors and understanding main and interactive effects. - Fractional factorial design 2RK-P: Ideal for identifying main effects and 2-factor interactions. - General fractional factorial design LK-P: Systematically identification of significant inputs and analysis of nonlinear behaviors. - Composite designs as response surface methods: Resolving interactions and optimizing decisions with limited factors. - Adapting to practical challenges with "short" DOE: Leveraging optimization schemes like D-optimality, and A-optimality for optimal results. Readers are encouraged not to allow product failures to hinder progress but to embrace the "statistical thinking" embedded in DOE. This book can illuminate the path to designing products that stand the test of time, resulting in satisfied customers and thriving businesses.