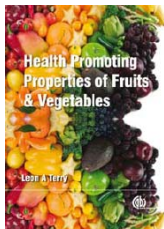


**AGRICOLTURA / AGRICULTURE****Agricoltura / Agriculture**

Terry L.

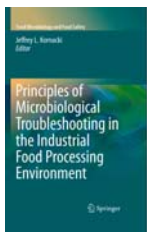
**Health-Promoting Properties of Fruits and Vegetables**

ril. 9781845935283 Lst 80 pagg. 400;

Cabi Publishing (01/02/2010)

*Agricoltura / Agriculture*

Fruits and vegetables are among the richest sources of ascorbic acid, other antioxidants and they produce specific bioactive compounds. A general consensus from health experts has confirmed that an increased dietary intake of antioxidant compounds found in most fresh produce types may protect against oxidative damage caused by free radicals and reduce the incidence of certain cancers and chronic diseases

**Scienza Degli Alimenti / Food Science**

Kornacki

**Principles of Microbiological Troubleshooting in the Industrial Food Processing Environment***Series: Food Microbiology and Food Safety*

ril. 9781441955173 Eur 103,95 pagg. 140;

Springer Verlag (29/03/2010)

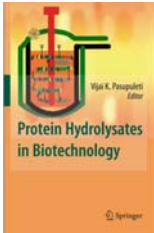
*Scienza Degli Alimenti / Food Science*

Principles of Microbiological Troubleshooting in the Industrial Food Processing Environment provides proven approaches and suggestions for finding sources of microbiological contamination of industrially produced products.

Industrial food safety professionals find themselves responsible for locating and eliminating the source(s) of food contamination. These are often complex situations for which they have not been adequately prepared. This book is written with them, the in-plant food safety/quality assurance professional, in mind. However, other professionals will also benefit including plant managers, regulatory field investigators, technical food safety policy makers, college instructors, and students of food science and microbiology

## CHIMICA / CHEMISTRY

### Biochimica / Biochemistry



Pasupuleti V.K.

**Protein Hydrolysates in Biotechnology**

ril. 9781402066733 Eur 104 pagg. 260;

Springer Verlag (01/05/2010)

*Biochimica / Biochemistry -BIOTECNOLOGIA / BIOTECHNOLOGY*

The protein hydrolysates industry is growing rapidly yet there is no single book that describes the challenges and opportunities for manufacturers and end users, techniques used in manufacturing, characterization and screening of protein hydrolysates, their applications in a wide variety of industries in biotechnology. One of the misconceptions in using protein hydrolysates in fermentations is that the end user believes and uses it as a mere nitrogen source

## INFORMATICA / COMPUTER SCIENCE

### Computer / Computer



Aggarwal C.C.

#### **Managing and Mining Graph Data**

*Series: Advances in Database Systems*

ril. 9781441960443 Eur 124,75 pagg. 600;

Springer Verlag (01/02/2010)

*Computer / Computer -PROGRAMMAZIONE / PROGRAMMING*

Managing and Mining Graph Data is a comprehensive survey book in graph data analytics. It contains extensive surveys on important graph topics such as graph languages, indexing, clustering, data generation, pattern mining, classification, keyword search, pattern matching, and privacy. It also studies a number of domain-specific scenarios such as stream mining, web graphs, social networks, chemical and biological data. The chapters are written by leading researchers, and provide a broad perspective of the area. This is the first comprehensive survey book in the emerging topic of graph data processing

## INGEGNERIA / ENGINEERING

### Ingegneria Aerospaziale / Aerospace Engineering



Kundu A.

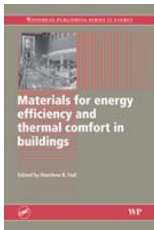
#### **Aircraft Design**

ril. 9780521885164 Lst 80 pagg. 672;  
Cambridge U.P. (31/05/2010)

*Ingegneria Aerospaziale / Aerospace Engineering*

Aircraft Design explores fixed winged aircraft design at the conceptual phase of a project. Designing an aircraft is a complex multifaceted process embracing many technical challenges in a multidisciplinary environment. By definition, the topic requires intelligent use of aerodynamic knowledge to configure aircraft geometry suited specifically to the customer's demands. It involves estimating aircraft weight and drag and computing the available thrust from the engine.

### Ingegneria Civile / Civil Engineering



Hall M.

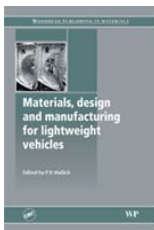
#### **Materials for energy efficiency and thermal comfort in buildings**

ril. 9781845695262 Lst 170 pagg. 760;  
Woodhead Publishing Ltd (01/04/2010)

*Ingegneria Civile / Civil Engineering -INGEGNERIA DEI MATERIALI / MATERIALS ENGINEERING*

Almost half of the total energy produced in the developed world is inefficiently used to heat, cool, ventilate and control humidity in buildings, to meet the increasingly high thermal comfort levels demanded by occupants. The utilisation of advanced materials and passive technologies in buildings would substantially reduce the energy demand and improve the environmental impact and carbon footprint of building stock worldwide. Materials for energy efficiency and thermal comfort in buildings critically reviews the advanced building materials applicable for improving the built environment. Part one reviews both fundamental building physics and occupant comfort in buildings, from heat and mass transport, hygrothermal behaviour, and ventilation, on to thermal comfort and health and safety requirements.

### Ingegneria Dei Materiali / Materials Engineering



Mallick P.K.

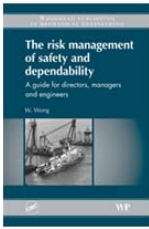
#### **Materials, design and manufacturing for lightweight vehicles**

ril. 9781845694630 Lst 135 pagg. 384;  
Woodhead Publishing Ltd (01/04/2010)

*Ingegneria Dei Materiali / Materials Engineering*

Research into the manufacture of lightweight automobiles is driven by the need to reduce fuel consumption to preserve dwindling hydrocarbon resources without compromising other attributes such as safety, performance, recyclability and cost. Materials, design and manufacturing for lightweight vehicles will make it easier for engineers to not only learn about the materials being considered for lightweight automobiles, but also to compare their characteristics and properties

**Ingegneria Meccanica / Mechanical Engineering**



Wong W

**The risk management of safety and dependability**

ril. 9781845697129

Lst 130 pagg. 312;

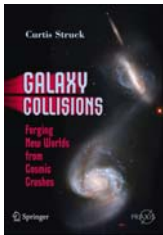
Woodhead Publishing Ltd (01/04/2010)

*Ingegneria Meccanica / Mechanical Engineering -INGEGNERIA DEI MATERIALI / MATERIALS ENGINEERING*

The issue of risk should be embedded into the mindset of every engineer and manager to improve safety and dependability. Companies can be held accountable through law when a gross failing in health and safety management has fatal consequences. Here risk management, the organizational structure required and the main factors needed for its successful execution are explored. What risks must be managed as a legal requirement? How is risk quantified? What methods can be used to reduce risk? Such questions are addressed, alongside case histories of recent disasters to illustrate failures in risk management

## SCIENZE FISICO-MATEMATICHE / MATHEMATICS AND

### Astronomia / Astronomy

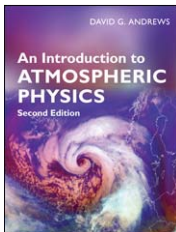


Struck C.  
**Galaxy Collisions - Forging New Worlds from Cosmic Crashes**

br. 9780387853703 Eur 41,55 pagg. 300;  
Springer Verlag (01/02/2010)  
*Astronomia / Astronomy*

The spectacular images of galaxy collisions capture the imagination. This book will show what is out there in the universe, what it's like in other galaxies, what they might look like, and how cosmic processes might affect life in other solar systems. It will explain crucial stages in the development of physical structure in the universe, and the effect of galaxy scale processes

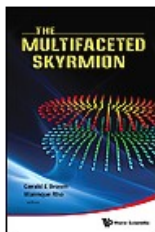
### Fisica / Physics



Andrews D. G.  
**An Introduction to Atmospheric Physics 2/e**

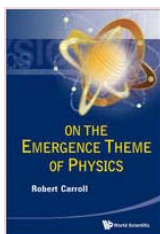
ril. 9780521872201 Lst 65 br 9780521693189 Lst 29,99 pagg. 264;  
Cambridge U.P. (30/04/2010)  
*Fisica / Physics*

A quantitative introduction to the Earth's atmosphere for intermediate-advanced undergraduate and graduate students, with an emphasis on underlying physical principles. This edition has been brought completely up-to-date, and now includes a new chapter on the physics of climate change which builds upon material introduced in earlier chapters, giving the student a broad understanding of some of the physical concepts underlying this most important and topical subject



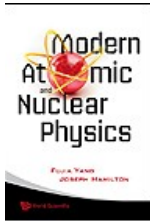
Brown G.E.  
**The Multifaceted Skymion**  
ril. 9789814280693 Lst 57 pagg. 460;  
World Scientific Publishing (31/03/2010)  
*Fisica / Physics*

There has been a series of impressive developments in the application of the skyrmion structure to wide-ranging physical phenomena. This title contains contributions from the researchers who have made important progress in these three areas of theoretical physics - condensed matter physics, nuclear and particle physics, and string theory.



Carroll R.  
**On the Emergence Theme of Physics**  
ril. 9789814291798 Lst 36  
World Scientific Publishing (28/02/2010)  
*Fisica / Physics*

Surveys mathematical relations between classical and quantum mechanics, gravity, time and thermodynamics from various points of view and many sources (with appropriate attribution). This title develops emergence theme with an emphasis on the meaning via mathematics

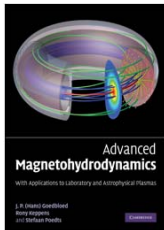


Fujia Yang

**Modern Atomic and Nuclear Physics - Revised Edition**

ril. 9789812836786 Lst 84 br. 9789812836793 Lst 50 pagg. 750;  
World Scientific Publishing (30/03/2010)  
*Fisica / Physics*

Offers a perspective of the understandings of the basic structures of matter from atoms, nucleus to leptons, quarks, and gluons along with the essential introductory quantum mechanics and special relativity. This book retrospects the historical development and examines the challenging directions of nuclear and particle physics

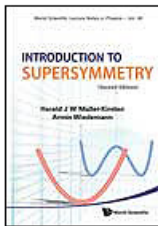


Goedbloed J. P.

**Advanced Magnetohydrodynamics - With Applications to Laboratory and Astrophysical Plasmas**

ril. 9780521879576 Lst 110 br. 9780521705240 Lst 55 pagg. 648;  
Cambridge U.P. (30/04/2010)  
*Fisica / Physics*

Following on from the companion volume Principles of Magnetohydrodynamics, this textbook analyzes the applications of plasma physics to thermonuclear fusion and plasma astrophysics from the single viewpoint of MHD. This approach turns out to be ever more powerful when applied to streaming plasmas (the vast majority of visible matter in the Universe), toroidal plasmas (the most promising approach to fusion energy), and nonlinear dynamics (where it all comes together with modern computational techniques and extreme transonic and relativistic plasma flows).



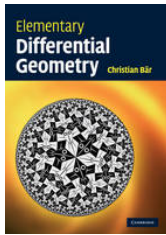
Muller-Kirsten

**Introduction to Supersymmetry - 2nd Revised edition**

ril. 9789814293419 Lst 59 br. 9789814293426 Lst 38 pagg. 450;  
World Scientific Publishing (22/03/2010)  
*Fisica / Physics*

Supersymmetry is a symmetry which combines bosons and fermions in the same multiplet of a larger group which unites the transformations of this symmetry with that of spacetime. This title provides an introduction to supersymmetry, and begins with a chapter on spacetime symmetries and spinors. It also addresses the breaking of supersymmetry

**Matematica / Mathematics**



Bar C.

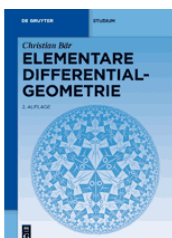
**Elementary Differential Geometry**

ril. 9780521896719 Lst 65 pagg. 300;

Cambridge U.P. (01/05/2010)

*Matematica / Mathematics -GEOMETRIA / GEOMETRY*

The link between the physical world and its visualization is geometry. This easy-to-read, generously illustrated textbook presents an elementary introduction to differential geometry with emphasis on geometric results. Avoiding formalism as much as possible, the author harnesses basic mathematical skills in analysis and linear algebra to solve interesting geometric problems, which prepare students for more advanced study in mathematics and other scientific fields such as physics and computer science. The wide range of topics includes curve theory, a detailed study of surfaces, curvature, variation of area and minimal surfaces, geodesics, spherical and hyperbolic geometry, the divergence theorem, triangulations, and the Gauss-Bonnet theorem. The section on cartography demonstrates the concrete importance of elementary differential geometry in applications



Bär C.

**Elementare Differentialgeometrie - 2nd corr. and rev.**

br. 9783110224580 Eur 39,95 pagg. 340;

De Gruyter (01/02/2010)

*Matematica / Mathematics*



Bayro-Corrochano E.

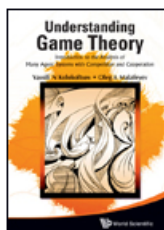
**Geometric Algebra Computing - in Engineering and Computer Science**

ril. 9781849961073 Eur 124,75 pagg. 524;

Springer Verlag (01/05/2010)

*Matematica / Mathematics*

Geometric algebra provides a rich and general mathematical framework for the development of solutions, concepts and computer algorithms without losing geometric insight into the problem in question. Many current mathematical subjects can be treated in a unified manner without abandoning the mathematical system of geometric algebra, such as multilinear algebra, projective and affine geometry, calculus on manifolds, Riemann geometry, the representation of Lie algebras and Lie groups using bivector algebras, and conformal geometry



Kolokoltsov V.N.

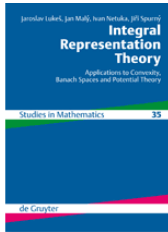
**UNDERSTANDING GAME THEORY - Introduction to the Analysis of Many Agent Systems with Competition and Cooperation**

ril. 9789814291712 Lst 42 pagg. 300;

World Scientific Publishing (31/03/2010)

*Matematica / Mathematics -ECONOMIA*

The book gives a concise but wide-ranging introduction to games including older (pre-game theory) party games and more recent topics like elections and evolutionary games and is generously spiced with excursions into philosophy, history, literature and politics. A distinguished feature is the clear separation of the text into two parts: elementary and advanced, which makes the book ideal for study at various levels



Lukes J.

**Integral Representation Theory - Applications to Convexity, Banach Spaces and Potential Theory**

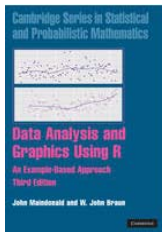
Series: *de Gruyter Studies in Mathematics*

ril. 9783110203202 Eur 99,95 pagg. 715;

De Gruyter (01/03/2010)

*Matematica / Mathematics*

This monograph presents the state of the art of convexity, with an emphasis to integral representation. The exposition is focused on Choquet's theory of function spaces with a link to compact convex sets. An important feature of the book is an interplay between various mathematical subjects, such as functional analysis, measure theory, descriptive set theory, Banach spaces theory and potential theory. A substantial part of the material is of fairly recent origin and many results appear in the book form for the first time



Maindonald J.

**Data Analysis and Graphics Using R: An Example-Based Approach**

Series: *Cambridge Series in Statistical and Probabilistic Mathematics*

ril. 9780521762939 Lst 50 pagg. 560;

Cambridge U.P. (30/04/2010)

*Matematica / Mathematics -STATISTICA / STATISTICS*

Discover what you can do with R! Introducing the R system, covering standard regression methods, then tackling more advanced topics, this book guides users through the practical, powerful tools that the R system provides. The emphasis is on hands-on analysis, graphical display, and interpretation of data. The many worked examples, from real-world research, are accompanied by commentary on what is done and why. The companion website has code and datasets, allowing readers to reproduce all analyses, along with solutions to selected exercises and updates. Assuming basic statistical knowledge and some experience with data analysis (but not R), the book is ideal for research scientists, final-year undergraduate or graduate-level students of applied statistics, and practising statisticians. It is both for learning and for reference. This third edition expands upon topics such as Bayesian inference for regression, errors in variables, generalized linear mixed models, and random forests



Sanjuan M.A.F

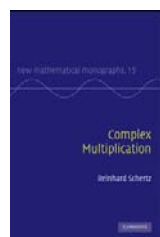
**Recent Progress in Controlling Chaos**

ril. 9789814291699 Lst 79 pagg. 450;

World Scientific Publishing (28/01/2010)

*Matematica / Mathematics*

Offers a collection of research papers on one of the topics where the applications of chaos have been more fruitful: controlling chaos. This title includes theoretical ideas, as experimental implementations of controlling chaos. It provides an overview of the progress in this field, which is useful for students and researchers



Schertz R.

**Complex Multiplication**

Series: *New Mathematical Monographs*

ril. 9780521766685

Lst 60 pagg. 375;

Cambridge U.P. (30/04/2010)

*Matematica / Mathematics*

This is a self-contained account of the state of the art in classical complex multiplication that includes recent results on rings of integers and applications to cryptography using elliptic curves. The author is exhaustive in his treatment, giving a thorough development of the theory of elliptic functions, modular functions and quadratic number fields and providing a concise summary of the results from class field theory. The main results are accompanied by numerical examples, equipping any reader with all the tools and formulas they need



Schilling R.

**Bernstein Functions - Theory and Applications**

ril. 9783110215304 Eur 79,95 pagg. 313;

De Gruyter (01/03/2010)

*Matematica / Mathematics*

This text is a self-contained and unified approach to Bernstein functions and their subclasses, bringing together old and establishing new connections. Applications of Bernstein functions in different fields of mathematics are given, with special attention to interpretations in probability theory. An extensive list of complete Bernstein functions with their representations is provided

## SCIENZE NATURALI / NATURAL SCIENCE

### Botanica / Botany



Pansarin E.

**The family Orchidaceae in the Serra do Japi, São Paulo state, Brazil**

ril. 9783211997543 Eur 310,96 pagg. 290;

Springer Verlag (01/06/2010)

*Botanica / Botany*

This study presents a floristic survey of orchid species occurring in the Serra do Japi in São Paulo, Southeastern Brazil. This region is strategically placed in the transition between interior semi-deciduous mesophytic forests and the Atlantic forest, presenting species from both formations. Although the orchid diversity is high, the region is affected by anthropogenic disturbances. The preservation and the integrated study are urgent necessities, with social, economic and preservationist considerations

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