



BOLLETTINO NUOVE ACCESSIONI
(settembre 2006)

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Barrier systems for environmental contaminant containment and treatment / edited by Calvin C. Chien [et al.] - Boca Raton, Florida : CRC PressTaylor & Francis Group, c2006. - 375 p.

ISBN 0-8493-4040-3

Altri autori: I. Chien, Calvin C. II. Inyang, Hilary I. III. Everett, Lorne G.
1. sanitary engineering - pollution technology

Collocazione: B628.5/0014

Biodeterioration of stone surfaces : lichens and biofilms as weathering agents of rocks and cultural heritage / edited by Larry L. St. Clair and Mark R.D. Seaward - Dordrecht : Kluwer Academic Publishers, c2004. - 292 p.

ISBN 1-4020-2803-2

1. earth sciences - erosion and weathering

Collocazione: B551.35/0002

Biosensing : international research and development / Jerome Schultz [et al...]. - Springer : Dordrecht, c2006. - 387 p.

ISBN 1-4020-4057-1

1. biotechnology

Collocazione: B660.6/0021

Cellular Ceramics : Structure, Manufacturing, properties and Applications / edited by Michael Scheffer, Paolo Colombo. - Weinheim : Wiley-VCH Verlag, c2005. - 645 p.

Collocazione: B620.14/0024

Charge transfer in DNA : from mechanism to application / edited by Hans Achim Wagenknecht - Weinheim : Wiley-VCH Verlag, c2005. - 229 p.

ISBN 3-527-31085-1

1. DNA

Collocazione: B574.87328/0003

Fractal geometry and applications : a jubilee of Benoit Mandelbrot - Providence : American Mathematical Society, c2004. - 2 vol. - (Proceedings of symposia in pure mathematics ; 72)
ISBN 0-8218-3292-1

1. mathematics - analytic topology - global analysis

Comprende: 1. Analysis, Number Theory, and Dynamical systems 2. Multifractals, Probability and Statistical Mechanics, Applications

Collocazione: B514./0008-1 e B514./0008-2

Fundamentals of renewable energy processes / Aldo Vieira da Rosa - London : Elsevier Academic Press, c2005. - 689 p.

ISBN 0-12-088510-7

1. renewable energy resources

Collocazione: B333.794/0013

Handbook of elemental speciation II : species in the environment, food, medicine and occupational health / editor in chief Rita Cornelis [et al.] - Chichester : John Wiley & Sons, Ltd, c2005. - 768 p.

ISBN 0-470-85598-3

1. analytical chemistry

Collocazione: B543./0133

Handbook of microscopy for nanotechnology / Edited by Nan Yao, Zhong Lin Wang - Boston : Kluwer Academic Publishers, 2005. - xiii, 731 p.

ISBN 1-4020-8003-4

1. nanostructured materials-handbooks, manuals 2. engineering - nanotechnology

Collocazione: B620.5/0001

Handbook of transport and the environment / edited by David A. Hensher, Kenneth J. Button - Amsterdam [etc.] : Elsevier, c2003. - 827 p. - (Handbooks in transport ; 4)

ISBN 0-08-044103-3

1. public safety programs - environment - pollution

Collocazione: B363.373/0035

Human Reproductive Biology / Richard E. Jones, Kristin H. Lopez. - 3rd ed. - Amsterdam : Elsevier, c2006. - 604 p.

ISBN 0-12-088465-8

Coautori: I. Lopez, Kristin H.

1. human physiology - reproduction

Contiene: Part I: The Adult Female and Male Reproductive Systems Chapter 1: The Brain and Pituitary Gland Chapter 2: The Female Reproductive System Chapter 3: The Menstrual Cycle Chapter 4: The Male Reproductive System Part II: Sex Differentiation and Development Chapter 5: Sexual Differentiation Chapter 6: Puberty Chapter 7: Reproductive Aging Part III: Procreation Chapter 8: The Human Sexual Response Chapter 9: Gamete Transport and Fertilization Chapter 10: Pregnancy Chapter 11: Labor and Birth Chapter 12: The Neonate and the New Parents Part IV: Fertility and Its Control Chapter 13: Human Population Growth and Family Planning Chapter 14: Contraception Chapter 15: Induced Abortion Chapter 16: Infertility Part V: Special Topics in Human Reproductive Biology Chapter 17: Brain Sex Chapter 18: Sexually Transmitted Diseases

Abstract: This acclaimed text has been fully revised and updated, now incorporating issues including aging of the reproductive system, and updates on the chapters on conception and gamete transport and fertilization, and pregnancy. "Human Reproductive Biology, 3rd edition" emphasizes the biological and biomedical aspects of human reproduction, explains advances in reproductive science and discusses the choices and concerns of today. It is generously illustrated in full color, the text provides current information about human reproductive anatomy and physiology. This is an ideal book for courses on human reproductive biology - includes chapter introductions, sidebars on related topics of interest, chapter summaries and suggestions for further reading.
Collocazione: B612./57

Hydrodynamics / by Horace Lamb. - 6th ed. - Cambridge : Cambridge University Press, c1993. - 738 p. - (Cambridge Mathematical Library)
ISBN 0-521-45868-4
1. hydrodynamics

Contiene: Foreword R. A. Caflisch; 1. The equations of motion; 2. Integration of the equations in special cases; 3. Irrotational motion; 4. Motion of a liquid in two dimensions; 5. Irrotational motion of a liquid: problems in three dimensions; 6. On the motion of solids through a liquid: dynamical theory; 7. Vortex motion; 8. Tidal waves; 9. Surface waves; 10. Waves of expansion; 11. Viscosity; 12. Rotating masses of liquid; List of authors cited; Index.

Abstract: This reissue of the classic 1932 edition of Lamb's Hydrodynamics is an indication of the lasting value of the work. Constantly in use since its first publication in 1892, this book is the definitive reference work for all fluid dynamicists. The new foreword by Professor R. Caflisch highlights the prominence of this treatise in the field and outlines the development of fluid mechanics that led to its publication. He also resolves possible conflicts with modern notation. Despite the rapid pace of research in modern fluid mechanics study and the advent of high-speed computers, Lamb's work remains a relevant, timeless classic.

Collocazione: B532.5/0016

Hydrodynamics of high-speed marine vehicles / Odd M. Faltinsen - New York : Cambridge University Press, c2005. - 454 p.
ISBN 0-521-84568-8
1. nautical engineering - hydrodynamics - speedboats

Collocazione: B623.8/0001

Marine microbiology : ecology and applications / C.B. Munn - Abingdon, Oxon : Garland Science/Bios Scientific Publisher, c2004. - 282 p.
ISBN 1-85996-288-2
1. microbiology
Collocazione: B576./0010

Metabonomics in toxicity assessment / edited by Donald G. Robertson and John Lindon - Boca Raton, FL : Taylor & Francis Group, c2005
ISBN 0-8247-2665-0
1. biochemical genetics

Abstract: Filling a gap in the literature, "Metabonomics in Toxicity Assessment" provides comprehensive coverage of all aspects of metabonomics technology, including analytical and biologic considerations, as well as sections on chemometrics. The book devotes entire chapters to critical topics such as biomarkers, metabolite identification, and the use of magic angle spinning for tissue metabonomics. It includes numerous examples illustrating strategies and techniques for the identification of endogenous and xenobiotic metabolites. This guide provides essential tools for the toxicologist utilizing metabonomic technologies.

Collocazione: B574.873224/0001

The molecular biology of insect disease vectors : a methods manual / edited by J.M. Crampton, C.B. Beard, and C. Louis - London : Chapman and Hall, c1977. - 578 p.

ISBN 0-412-73660-8

1. disease vectors and their control - insects

Collocazione: B621.432/0001

Multi-Scale Integrated Analysis of Agroecosystems / Mario Giampietro. - Boca Raton : CRC Press, 2004. - 437 p. (Advances in Agroecology)

ISBN 0-8493-1067-9

1. agriculture

Collocazione: B338.1/0017

The pattern recognition basis of artificial intelligence / Donald R. Tvetter - Los Alamitos, CA : IEEE Computer Society Press, c1998. - 369 p.

ISBN 0-8186-7796-1

1. artificial intelligence

Collocazione: B006.3/46

Practical Gamma-Ray spectrometry / Gordon, Gilmore, John D. Hemingway - Chichester etc. : John Wiley & Sons, c1995. - 314 p.

ISBN 0-471-95150-1

Coautori: I. Hemingway, John D.

1. gamma spectrometry 2. physics - X - ray and gamma - ray electronics - spectroscopy

Contiene: Radioactive Decay and the Origin of Gamma- and X-Radiation. Interactions of Gamma-Radiation with Matter. Semiconductor Detectors for Gamma-Ray Spectrometry. Electronics for Gamma-Ray Spectrometry. Statistics of Counting. Spectrometer Calibration. True Coincidence Summing. Computer Analysis of Gamma-Ray Spectra. Scintillation Spectrometry. Choosing, Setting Up and Checking the Specification of a Detector. Resolution: Origins and Control. Troubleshooting. Low Count Rate Systems. High Count Rate Systems. Ensuring Quality in Gamma-Ray Spectrometry. Appendices. Index.

Abstract: Gamma-ray spectrometry is a key technique in the study of the decay of radioactive materials. Used by scientists from a wide range of disciplines, problems can be encountered by the inexperienced user because there is a deceptive simplicity in gamma-ray measurements which can hide significant pitfalls. To resolve this situation, the authors of Practical Gamma-Ray Spectrometry have drawn on many years of teaching experience to produce this uniquely practical volume, giving comprehensive coverage of the whole gamma-ray detection and spectrum analysis processes. Discussions of the origin of gamma-rays and the issue of quality assurance in gamma-ray spectrometry are also

included. Practical Gamma-Ray Spectrometry is written with the user in mind and has the following benefits: Mathematics are kept to a minimum throughout; no previous knowledge of nuclear matters or instrumentation is assumed; detectors and their associated electronic systems are discussed; fault-finding guide ensures that any problems can be sorted out with the minimum of fuss. Practical Gamma-Ray Spectrometry will enable all those involved with radioactivity measurements to get the most from their equipment. It will also be of great value to teachers and students in departments where radioactivity is studied, such as physics, chemistry, environmental biology, archaeometry and radiochemistry.

Collocazione: B537.5/0051

Process analytical technology : spectroscopic tools and implementation strategies for the chemical and pharmaceutical industries / edited by Katherine A. Bakeev - Oxford : Blackwell Publishing Ltd, c2005. - 451 p.

ISBN 1-4051-2103-3

1. chemical engineering

Collocazione: B660.2/0009

Sculptured thin films : nanoengineered morphology and optics / Akhlesh Lakhtakia, Russell Messier - Bellingham, Washington : SPIE, c2005. - 299 p. + 1 CD-ROM

ISBN 0-8194-5606-3

Coautori: I. Messier, Russell

1. thin film technology

Collocazione: B621.381/402

Standard Methods for the Examination of Water and Wastewater / prepared and published jointly by American Public Health Association, American Water Works Association, Water Environment Federation ; joint editorial board Andrew D. Eaton [et al...]. - 21st ed., centennial edition - Baltimore : American Public Health Association, c2005. - pag. varia

ISBN 0-87553-047-8

Altri autori: I. Eaton, Andrew D. II. American public health association III. American water works association IV. Water environment federation

1. sanitary engineering - water supply - testing and analysis

Collocazione: B628.1/0030

Underwater Robots : Motion and Force Control of Vehicle-Manipulator Systems / Gianluca Antonelli. - 2nd. ed. - Berlin : Springer-Verlag Berlin and Heidelberg, c2006. - 265 p. - (Springer Tracts in Advanced Robotics ; v. 2)

ISBN 3-540-31752-X

1. automatic control engineering - robots

Contiene: Introduction * Modelling of Underwater Robots * Dynamic Control of 6-DOF AUVs * Fault Detection/Tolerance Strategies for AUVs and ROVs * Experiments of Dynamic Control of a 6-DOF AUV * Kinematic Control of UVMs * Dynamic Control of UVMs * Interaction Control of UVMs * Coordinated Control of Platoons of AUVs * Concluding Remarks.

Abstract: This book deals with the main control aspects in underwater manipulation tasks. The mathematical model with significant impact on the control strategy is discussed. The problem of controlling a 6-degrees-of-freedom autonomous underwater vehicle is deeply investigated and a survey of fault detection/tolerant strategies for unmanned underwater vehicles is provided; experimental results obtained with the vehicle ODIN are presented. The presence of a manipulator is further studied in the aspects of kinematic,

dynamic and interaction control. The purpose of this second edition is to add material not covered in the first edition as well as streamline and improve the previous material.

Collocazione: 629.892/0018

Unimolecular Kinetics : part 1. the reaction step / N.J.B. Green - Amsterdam : Elsevier, c2003. - 247 p. - (Comprehensive Chemical Kinetics ; 39)
ISBN 0-444-50893-7

1. physical chemistry - reaction kinetics

Contiene: Chapter 1. Introduction Chapter 2. RRKM Theory and Its Implementation Chapter 3. State-specific dynamics of unimolecular dissociation

Abstract: Unimolecular reactions are in principle the simplest chemical reactions, because they only involve one molecule. The basic mechanism, in which the competition between the chemical reaction step and a collisional deactivation leads to a pressure-dependent coefficient, has been understood for a long time. However, this is a rapidly developing field, and many new and important discoveries have been made in the past decade. This first part of two "CCK" Volumes dealing with Unimolecular Reactions, deals with the Reaction Step. The first chapter is an introduction to the whole project, aiming to cover the material necessary to understand the content of the detailed chapters, as well as the history of the development of the area. Chapter 2 is a review of the modern view of the statistical theories, as embodied in the various forms of RRKM theory. Chapter 3 deals with the fully quantum mechanical view of reactive states as resonances.

Collocazione: B541.394/0002

Viruses and the Nucleus / editor Julian A. Hiscox. - Chichester : John Wiley and Sons Ltd., c2006. - 283 p.

ISBN 0-470-85112-0

1. microbiology-viruses

Contiene: 1 The Nucleus -- An Overview. 2 The Eukaryotic Cell Cycle. 3 DNA Viruses and the Nucleus. 4 Retroviruses and the nucleus. 5 Negative--sense RNA Viruses and the Nucleus. 6 Positive--Strand RNA Viruses and the Nucleus. 7 Viruses and the Nucleus. 8 Virus Interactions with PML Nuclear Bodies . 9 Viruses and the Cell Cycle

Abstract: Presents a global overview of viral (DNA, retro and RNA) interactions with the nucleus and its components. * Includes contributions from the world's leading experts in their fields * The definitive text on viral interactions with the nucleus * Presents a gallery of stunning microscopic images to illustrate the diversity of viral nuclear interactions in full colour

Collocazione: B576.64/0002

Volcanoes and the environment / edited by Joan Martì and Gerald Ernst - New York : Cambridge University Press, c2005. - 471 p.

ISBN 0-521-59254-2

1. geology - volcanoes

Contiene: 1. Understanding the physical behaviour of volcanoes Steven N. Carey 2. Volcano hazards Robert I.Tilling 3. Anticipating volcanic eruptions Joan Marti and Arnau Folch Duran 4. Volcanoes and the geological cycle Ray A. F. Cas 5. Effects of volcanic eruptions on the atmosphere and climate Stephen Self 6. Volcanoes, hydrothermal venting and the origin of life Karl O. Stetter 7. Volcanism and mass extinctions Paul Wignall 8. Effects of modern volcanic

impacts on vegetation Virginia H. Dale, James MacMahon and Johanna Delgado-Acevedo 9. Animals and volcanoes: survival and revival John S. Edwards 10. Human impacts of volcanoes Peter J. Baxter 11. Volcanoes, geothermal energy and the environment Wendell A. Duffield 12. Volcanic-hosted ore deposits Harold A. Gibson 13. Industrial uses of volcanic materials Grant Heiken 14. Volcanoes, society and culture David K. Chester 15. Volcanoes and the economy Charlotte Benson References

Abstract: Volcanoes and the Environment is a comprehensive and accessible text incorporating contributions from some of the world's authorities in volcanology. This book is an indispensable guide for those interested in how volcanism affects our planet's environment. It spans a wide variety of topics from geology to climatology and ecology; it also considers the economic and social impacts of volcanic activity on humans. Topics covered include how volcanoes shape the environment, their effect on the geological cycle, atmosphere and climate, impacts on health of living on active volcanoes, volcanism and early life, effects of eruptions on plant and animal life, large eruptions and mass extinctions, and the impact of volcanic disasters on the economy. This book is intended for students and researchers interested in environmental change from the fields of earth and environmental science, geography, ecology and social science. It will also interest policy makers and professionals working on natural hazards.

Collocazione: B551.21/0002

World Robotics 2005 : Statistics, Market Analysis, Case Studies and Profitability of Robot ; United Nations. Economic Commission for Europe, International federation of robotics - Geneve : United Nations, c2005. - 404 p. ISBN 92-1-101100-0

Coautori: I. International Federation of Robotics
1. automatic control engineering - robots

Collocazione: B629.892/0017