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New Approaches for Flavin Catalysis - 2019-05-07
New Approaches for Flavin Catalysis, Volume 620, a new volume in the Methods in Enzymology series, continues the legacy of this premier serial with quality chapters authored by leaders in the field. Topics covered in this update include Anaerobiosis and Methods for Reduction, Reduction Potentials, Anaerobic Stopped-Flow, No Glove-Box, Anaerobic Stopped-Flow, in a Glove-Box, Chemical Quenching, Oxygen Reactions, Double-mixing

Stopped-Flow, Kinetic Isotope Effects and Viscosity Effects, Heavy Enzymes Synthetic Flavins & Linear Free Energy Relationships, Vibrational Spectroscopy, Stark Spectroscopy, EPR and Related Methods, Molecular Dynamics, Phylogenetic Relationships/Superfamilies, O2 and Superoxide Analogs, and more. Provides the authority and expertise of leading contributors from an international board of authors Presents the latest release in the Methods in Enzymology series Updated release includes the latest information on New Approaches for Flavin Catalysis

The American Chemical Society at 125 - 2002

Inventory of Energy Research and Development, 1973-1975 - Oak Ridge National Laboratory 1976

Physical Chemistry - Gilbert William Castellan 1971

This text was written with an aim to provide the beginner with a reliable and understandable guide for study in the teacher's absence. Except where it would needlessly overburden the student, the subject is presented in a mathematically rigorous way. In spite of this, no mathematics beyond the elementary calculus is required.

The Grants Register 2016 - Palgrave Macmillan Ltd 2016-12-27

The most comprehensive guide on postgraduate grants and professional funding globally. For thirty-four years it has been the leading source for up-to-date information on the availability of, and eligibility for, postgraduate and professional awards. Each entry is verified by its awarding body and all information is updated annually.

Signs & Traces - Clifford Adelman 1989

Exam Survival Guide: Physikalische Chemie - Jochen Vogt 2021-03-04

Dieses Buch leitet Sie zum selbstständigen Lösen anspruchsvoller Probleme an. Es ist

optimal geeignet für Studierende zur Prüfungsvorbereitung und zur Vertiefung des Lehrstoffs in physikalischer Chemie. Schärfen Sie Ihre Fähigkeiten im Problemlösen in einem breiten Aufgabenspektrum von stöchiometrischem Rechnen bis zur Molekülspektroskopie. Jedes Kapitel wird mit einem Überblick über Grundlagenwissen eingeleitet. Die Lösungswege werden ausführlich besprochen. Neben inhaltlichen Bezügen zwischen den Themengebieten wird akzentuiert auf methodische Gemeinsamkeiten der Lösungswege hingewiesen. Der umfangreiche mathematische Anhang ist passgenau zugeschnitten auf physikalisch-chemische Rechenmethoden und macht das Buch zu einem praktischen Begleiter durchs Studium. Darüberhinaus ist das Buch ein Ideengeber für Dozenten zur Vorbereitung von Lehrveranstaltungen.

Functionalized Nanomaterials - Vineet Kumar 2021-07-28

Nanomaterials contain some unique properties due to their nanometric size and surface functionalization. Nanomaterial functionalization also affects their compatibility to biocompatibility and toxicity behaviors. environment and living organism. This makes functionalized nanomaterials a material with huge scope and few challenges. This book provides detailed information about the nanomaterial functionalization and their application. Recent advancements, challenges and opportunities in the preparation and applications of functionalized nanomaterials are also highlighted. This book can serve as a reference book for scientific investigators, doctoral and post-doctoral scholars; undergrad and grad. This book is very useful for multidisciplinary researchers, industry personnel's, journalists, and policy makers. Features: Covers all aspects of Nanomaterial functionalization and its applications Describes and methods of functionalized nanomaterials

synthesis for different applications Discusses the challenges, recent findings, and cutting-edge global research trends on functionalization of nanomaterials and its applications It discusses the regulatory frameworks for the safe use of functionalized nanomaterials. It contains contributions from international experts from multiple disciplines.

Physical Chemistry and Chemical Physics Editor's Pick 2021 - Malgorzata Biczysko 2021-07-28

Chemie für Dummies - John T. Moore 2018-04-27

Wenn es knallt und stinkt, dann ist Chemie im Spiel! "Chemie für Dummies" macht deutlich, dass Chemie nicht nur aus Formeln, sondern vor allem aus unzähligen interessanten Stoffen, Versuchen und Reaktionen besteht. In diesem etwas anderen Chemie-Buch lernen Sie die Grundlagen der Chemie kennen und erfahren, wo sich chemische Phänomene im Alltag bemerkbar machen. John T. Moore macht für Sie so schwer vorstellbare Begriffe wie Atom, Base oder Molekül begreiflich und zeigt, wie man mit dem Periodensystem umgeht. Mit Übungsaufgaben am Ende eines jeden Kapitels können Sie dann noch Ihr Wissen überprüfen.

Chemists' Guide to Effective Teaching - Norbert J. Pienta 2005

Intended for anyone who teaches chemistry, this book examines applications of learning theories—presenting actual techniques and practices that respected professors have used to implement and achieve their goals. Introduction: Chemistry and Chemical Education; Exploring the Impact of Teaching Styles on Student Learning in Both Traditional and Innovative Classes; Guided Inquiry and the Learning Cycle; Teaching to Achieve Conceptual Change; Transforming Lecture Halls with Cooperative Learning; Using Visualization Techniques in Chemistry Teaching; POGIL: Process-Oriented Guided-Inquiry Learning; Peer-Led Team

Learning: Scientific Learning and Discovery; Peer-Led Team Learning: Organic Chemistry; Practical Issues on the Development, Implementation, and Assessment of a Fully Integrated Laboratory-Lecture Teaching Environment; Model-Observe-Reflect-Explain (MORE) Thinking Frame Instruction: Promoting Reflective Laboratory Experiences to Improve Understanding of Chemistry; Technology Based Inquiry Oriented Activities for Large Lecture Environments; Using Visualization Technology and Group Activities in Large Chemistry Courses; Computer Animations of Chemical Processes at the Molecular Level; Symbolic Mathematics in the Chemistry Curriculum: Facilitating the Understanding of Mathematical Models used in Chemistry; Chemistry Is in the News: They Why and Wherefore of Integrating Popular News Media into the Chemistry Classroom; Chemistry at a Science Museum; The Journal of Chemical Education Digital Library: Enhancing Learning with Online Resources. A useful reference for chemistry educators.
Stratospheric Ozone Depletion - United States. Congress. Senate. Committee on Aeronautical and Space Sciences. Subcommittee on the Upper Atmosphere 1975

Sustainable Strategies in Organic Electronics - Assunta Marrocchi 2022-02-02
Sustainable Strategies in Organic Electronics reviews green materials and devices, sustainable processes in electronics, and the reuse, recycling and degradation of devices. Topics addressed include large-scale synthesis and fabrication of safe device materials processes that neither use toxic reagents, solvents or produce toxic by-products. Emerging opportunities such as new synthetic approaches for enabling the commercialization of pi-conjugated polymer-based devices are explored, along with new efforts towards incorporating materials from renewable resources for a low carbon footprint. Finally, the book discusses the

latest advances towards device biodegradability and recycling. It is suitable for materials scientists and engineers, chemists, physicists in academia and industry. Discusses emerging opportunities for green materials, synthesis and fabrication of organic electronics Reviews the challenges of integration of sustainable strategies in large-scale manufacturing of organic electronics Provides an overview of green materials and solvents that can be used as alternatives to toxic materials for organic electronics applications

The Grants Register 2023 - Palgrave Macmillan 2022-09-28

The Grants Register 2023 is the most authoritative and comprehensive guide available of postgraduate and professional funding worldwide. It contains international coverage of grants in almost 60 countries, both English and non-English speaking; information on subject areas, level of study, eligibility and value of awards; and information on over 6,000 awards provided by over 1,300 awarding bodies. Awarding bodies are arranged alphabetically with a full list of awards to allow for comprehensive reading. The Register contains full contact details including telephone, fax, email and websites as well as details of application procedures and closing dates. It is updated annually to ensure accurate information.

2D Monoelemental Materials (Xenes) and Related Technologies - Zongyu Huang 2022-04-14

Monoelemental 2D materials called Xenes have a graphene-like structure, intra-layer covalent bond, and weak van der Waals forces between layers. Materials composed of different groups of elements have different structures and rich properties, making Xenes materials a potential candidate for the next generation of 2D materials. 2D Monoelemental Materials (Xenes) and Related Technologies: Beyond Graphene describes the structure, properties, and

applications of Xenes by classification and section. The first section covers the structure and classification of single-element 2D materials, according to the different main groups of monoelemental materials of different components and includes the properties and applications with detailed description. The second section discusses the structure, properties, and applications of advanced 2D Xenes materials, which are composed of heterogeneous structures, produced by defects, and regulated by the field. Features include: Systematically detailed single element materials according to the main groups of the constituent elements Classification of the most effective and widely studied 2D Xenes materials Expounding upon changes in properties and improvements in applications by different regulation mechanisms Discussion of the significance of 2D single-element materials where structural characteristics are closely combined with different preparation methods and the relevant theoretical properties complement each other with practical applications Aimed at researchers and advanced students in materials science and engineering, this book offers a broad view of current knowledge in the emerging and promising field of 2D monoelemental materials.

Bibliographic Guide to Conference Publications - New York Public Library. Research Libraries 1991

Vols. for 1975- include publications cataloged by the Research Libraries of the New York Public Library with additional entries from the Library of Congress MARC tapes.

National Library of Medicine Current Catalog - National Library of Medicine (U.S.)

Advances in Nanotechnology Research and Application: 2012 Edition - 2012-12-26

Advances in Nanotechnology Research and Application / 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information

about Nanotechnology. The editors have built Advances in Nanotechnology Research and Application / 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Nanotechnology in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Advances in Nanotechnology Research and Application / 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Comprehensive Nanoscience and Nanotechnology - 2019-01-02

Comprehensive Nanoscience and Technology, Second Edition allows researchers to navigate a very diverse, interdisciplinary and rapidly-changing field with up-to-date, comprehensive and authoritative coverage of every aspect of modern nanoscience and nanotechnology. Presents new chapters on the latest developments in the field Covers topics not discussed to this degree of detail in other works, such as biological devices and applications of nanotechnology Compiled and written by top international authorities in the field

Measurements of Human Behavior - Edward Barrows Greene 1952

"This book is a thorough revision of the original, widely used Measurements of Human Behavior, long accepted as a standard authority. A great amount of entirely new material has been added. In the Revised Edition, in addition to much rewriting, the content has been extensively reorganized in the interest of greater teachability and usefulness. Moreover the author

has incorporated the significant results of the research in measurement that has been done during the last decade. This new edition is completely up to date in subject matter and in evaluation of measurements, procedures, and techniques. New subjects include the development and use of tests with the armed forces, and measuring instruments and techniques in the areas of interests, personality, and attitude. Throughout the revision the explanations are greatly improved, and the discussions of test applications are made much more comprehensive"--Book. (PsycINFO Database Record (c) 2010 APA, all rights reserved).

Lithium-Ion Batteries and Solar Cells - Ming-Fa Lin 2021-01-18

Lithium-Ion Batteries and Solar Cells: Physical, Chemical, and Materials Properties presents a thorough investigation of diverse physical, chemical, and materials properties and special functionalities of lithium-ion batteries and solar cells. It covers theoretical simulations and high-resolution experimental measurements that promote a full understanding of the basic science to develop excellent device performance. Employs first-principles and the machine learning method to fully explore the rich and unique phenomena of cathode, anode, and electrolyte (solid and liquid states) in lithium-ion batteries Develops distinct experimental methods and techniques to enhance the performance of lithium-ion batteries and solar cells Reviews syntheses, fabrication, and measurements Discusses open issues, challenges, and potential commercial applications This book is aimed at materials scientists, chemical engineers, and electrical engineers developing enhanced batteries and solar cells for peak performance.

Issues in Chemistry and General Chemical Research: 2013 Edition - 2013-05-01

Issues in Chemistry and General Chemical Research: 2013 Edition is a ScholarlyEditions™

book that delivers timely, authoritative, and comprehensive information about Chirality. The editors have built Issues in Chemistry and General Chemical Research: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Chirality in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Chemistry and General Chemical Research: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

African American Women Chemists in the Modern Era - Jeannette E. Brown 2018-08-08 This is the second of two books about African-American female chemists. The first book (African-American Women Chemists, 2011) focused on the early pioneers--women chemists from the Civil War to the Civil Rights Act. African American Women Chemists in the Modern Era focuses on contemporary women who have benefited from the Civil Rights Act and are now working as chemists or chemical engineers. This book was produced by taking the oral history of women who are leaders in their field and who wanted to tell the world how they suceeded. It features eighteen amazing women in this book and each of them has a claim to fame, despite hiding in plain sight. These women reveal the history of their lives from youth to adult. Overall, Jeannette Brown aims to inspire women and minorities to pursue careers in the sciences, as evidenced by the successful career paths of the women that came before them.

Test List - Cornell University. Testing and

Service Bureau 1950

NASA Authorization for Fiscal Year 1977 - United States. Congress. Senate. Committee on Aeronautical and Space Sciences 1976

2D Metal Carbides and Nitrides (MXenes) - Babak Anasori 2019-10-30

This book describes the rapidly expanding field of two-dimensional (2D) transition metal carbides and nitrides (MXenes). It covers fundamental knowledge on synthesis, structure, and properties of these new materials, and a description of their processing, scale-up and emerging applications. The ways in which the quickly expanding family of MXenes can outperform other novel nanomaterials in a variety of applications, spanning from energy storage and conversion to electronics; from water science to transportation; and in defense and medical applications, are discussed in detail.

21st Century Nanoscience - Klaus D. Sattler 2021-11-05

This 21st Century Nanoscience Handbook will be the most comprehensive, up-to-date large reference work for the field of nanoscience. Handbook of Nanophysics, by the same editor, published in the fall of 2010, was embraced as the first comprehensive reference to consider both fundamental and applied aspects of nanophysics. This follow-up project has been conceived as a necessary expansion and full update that considers the significant advances made in the field since 2010. It goes well beyond the physics as warranted by recent developments in the field. Key Features: Provides the most comprehensive, up-to-date large reference work for the field. Chapters written by international experts in the field. Emphasises presentation and real results and applications. This handbook distinguishes itself from other works by its breadth of coverage, readability and timely topics. The intended readership is very broad, from students and

instructors to engineers, physicists, chemists, biologists, biomedical researchers, industry professionals, governmental scientists, and others whose work is impacted by nanotechnology. It will be an indispensable resource in academic, government, and industry libraries worldwide. The fields impacted by nanoscience extend from materials science and engineering to biotechnology, biomedical engineering, medicine, electrical engineering, pharmaceutical science, computer technology, aerospace engineering, mechanical engineering, food science, and beyond.

Organische Chemie II für Dummies - John T. Moore 2011-08-01

Die Organische Chemie, die Welt des Kohlenstoffs, ist spannend, vielschichtig und manchmal auch ein wenig schwer zu verstehen. Dieses Buch ist das richtige für Sie, wenn Sie etwas mehr als nur die Grundlagen der Organik verstehen müssen und etwas tiefer in die Materie eindringen wollen. Sie erfahren, was Sie über Alkohole, Ether und Spektroskopie wissen sollten, was aromatische Verbindungen ausmacht, was es mit Carbonylverbindungen auf sich hat und vieles mehr. Auch kniffelige Themen wie Organometalle, Amine und Biomoleküle kommen nicht zu kurz. So bietet John T. Moore in diesem Buch einen leicht verständlichen Überblick über die etwas fortgeschrittenere Organische Chemie.

Nanocatalysts in Environmental Applications - Samira Bagheri 2018-02-09

This book presents a range of nanocatalysts, together with their primary environmental applications and use in chemical production processes. In addition, it describes the nanomaterials used for catalysts and details their performance. The book introduces readers to the fundamentals and applications of nanocatalysis, synthesis, characterization, modification and application. Further topics include: landfill organic pollutant photodegradation; magnetic photocatalysis;

synergistic effects on hydrogenated TiO2; and photoinduced fusion of gold-semiconductor nanoparticles. A detailed explanation of the chemistry of nanostructures and the ability to control materials at the nano-scale rounds out the coverage. Given the central importance of research in nanotechnology and nanoscience for the development of new catalysts, the book offers a valuable source of information for researchers and academics alike. It will also benefit industrial engineers and production managers who wish to understand the environmental impact of nanocatalysts.

Current Research and Development in Scientific Documentation - 1964

Cyclic Hydrocarbons—Advances in Research and Application: 2013 Edition - 2013-06-21

Cyclic Hydrocarbons—Advances in Research and Application: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Alicyclic Hydrocarbons. The editors have built Cyclic Hydrocarbons—Advances in Research and Application: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Alicyclic Hydrocarbons in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Cyclic Hydrocarbons—Advances in Research and Application: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

A Guide to Small-Scale Energy Harvesting Techniques - Reccab Manyala 2020-01-22

The use of energy it is argued started about two million years ago when humans started cooking their food using firewood. As humans developed new skills with increased activities, energy interaction and usage emerged. Energy was used not only for domestic functions but also for space applications. With industrialization, humans realized that energy was needed to move machines and do other things as well. In this quest, and without understanding the consequences of using fossil fuels extensively, many problems arose. Researchers in energy embarked on a journey to study different forms of energy. To understand different needs, researchers have tried to come up with ways in which small-scale energy harvesting can be adapted to different needs that do not require heavy-duty energy production.This book attempts to present a number of ideas regarding a few selected small-scale energy harvesting methods and techniques as well as theories and products that may be helpful in improving the quality of life. Some of the new products are still in the prototype stage, while others are already being utilized. Many researchers in small-scale energy harvesting and those aspiring to follow this path of research will find this book not only motivating but also a useful guide in their endeavors.

Essentials of Physical Chemistry - Don Shillady 2011-07-27

At a time when U.S. high school students are producing low scores in mathematics and science on international examinations, a thorough grounding in physical chemistry should not be considered optional for science undergraduates. Based on the author’s thirty years of teaching, Essentials of Physical Chemistry merges coverage of calculus with chemistry and molecular physics in a friendly yet thorough manner. Reflecting the latest ACS guidelines, the book can be used as a one or two semester course, and includes special topics suitable for senior projects. The book begins

with a math and physics review to ensure all students start on the same level, and then discusses the basics of thermodynamics and kinetics with mathematics tuned to a level that stretches students' abilities. It then provides material for an optional second semester course that shows students how to apply their enhanced mathematical skills in a brief historical development of the quantum mechanics of molecules. Emphasizing spectroscopy, the text is built on a foundation of quantum chemistry and more mathematical detail and examples. It contains sample classroom-tested exams to gauge how well students know how to use relevant formulas and to display successful understanding of key concepts. Coupling the development of mathematical skills with chemistry concepts encourages students to learn mathematical derivations Mini-biographies of famous scientists make the presentation more interesting from a "people" point of view Stating the basic concepts of quantum chemistry in terms of analogies provides a pedagogically useful technique Covering key topics such as the critical point of a van der Waals gas, the Michaelis–Menten equation, and the entropy of mixing, this classroom-tested text highlights applications across the range of chemistry, forensic science, pre-medical science and chemical engineering. In a presentation of fundamental topics held together by clearly established mathematical models, the book supplies a quantitative discussion of the merged science of physical chemistry.

Computational Pharmaceutics - Defang Ouyang 2015-07-20

Molecular modeling techniques have been widely used in drug discovery fields for rational drug design and compound screening. Now these techniques are used to model or mimic the behavior of molecules, and help us study formulation at the molecular level. Computational pharmaceutics enables us to understand the mechanism of drug delivery, and

to develop new drug delivery systems. The book discusses the modeling of different drug delivery systems, including cyclodextrins, solid dispersions, polymorphism prediction, dendrimer-based delivery systems, surfactant-based micelle, polymeric drug delivery systems, liposome, protein/peptide formulations, non-viral gene delivery systems, drug-protein binding, silica nanoparticles, carbon nanotube-based drug delivery systems, diamond nanoparticles and layered double hydroxides (LDHs) drug delivery systems. Although there are a number of existing books about rational drug design with molecular modeling techniques, these techniques still look mysterious and daunting for pharmaceutical scientists. This book fills the gap between pharmaceutics and molecular modeling, and presents a systematic and overall introduction to computational pharmaceutics. It covers all introductory, advanced and specialist levels. It provides a totally different perspective to pharmaceutical scientists, and will greatly facilitate the development of pharmaceutics. It also helps computational chemists to look for the important questions in the drug delivery field. This book is included in the Advances in Pharmaceutical Technology book series.

Current Catalog - National Library of Medicine (U.S.) 1983

First multi-year cumulation covers six years: 1965-70.

Benzylidene Compounds—Advances in Research and Application: 2013 Edition - 2013-06-21

Benzylidene Compounds—Advances in Research and Application: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Stilbenes. The editors have built Benzylidene Compounds—Advances in Research and Application: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Stilbenes in this book to be deeper than what you can access

anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Benzylidene Compounds—Advances in Research and Application: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Food Protein Chemistry - Joe Regenstein 2012-12-02

Food Protein Chemistry: An Introduction for Food Scientists discusses food proteins and how they are studied. Proteins are both biological entities and physicochemical compounds, and they will be examined in both contexts in this volume. The chemical and physical properties of proteins will be viewed from the perspective of chemists despite the fact that their use in the food supply emphasizes their biological nature. Key topics discussed include proteins as essential to life; amino acids; protein classification; selected proteins of the most important food systems; and protein structure. The book also includes chapters on protein measurement; protein purification; and spectral techniques for the study of proteins. The book requires readers to have the equivalent of the Institute of Food Technologists requirements for undergraduate food science majors. It also assumes a knowledge of math through calculus. While primarily intended for senior and first-year graduate food science students, the text may also be useful to researchers in allied fields.

Cyanides—Advances in Research and Application: 2013 Edition - 2013-06-21

Cyanides—Advances in Research and Application: 2013 Edition is a ScholarlyPaper™ that delivers timely, authoritative, and

intensively focused information about ZZZAdditional Research in a compact format. The editors have built Cyanides—Advances in Research and Application: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about ZZZAdditional Research in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Cyanides—Advances in Research and Application: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Python Crashkurs - Eric Matthes 2017-04-19

"Python Crashkurs" ist eine kompakte und gründliche Einführung, die es Ihnen nach kurzer Zeit ermöglicht, Python-Programme zu schreiben, die für Sie Probleme lösen oder Ihnen erlauben, Aufgaben mit dem Computer zu erledigen. In der ersten Hälfte des Buches werden Sie mit grundlegenden Programmierkonzepten wie Listen, Wörterbücher, Klassen und Schleifen vertraut gemacht. Sie erlernen das Schreiben von sauberem und lesbarem Code mit Übungen zu jedem Thema. Sie erfahren auch, wie Sie Ihre Programme interaktiv machen und Ihren Code testen, bevor Sie ihn einem Projekt hinzufügen. Danach werden Sie Ihr neues Wissen in drei komplexen Projekten in die Praxis umsetzen: ein durch "Space Invaders" inspiriertes Arcade-Spiel, eine Datenvisualisierung mit Pythons superpraktischen Bibliotheken und eine einfache Web-App, die Sie online bereitstellen können. Während der Arbeit mit dem "Python Crashkurs" lernen Sie, wie Sie: - leistungsstarke Python-

Bibliotheken und Tools richtig einsetzen – einschließlich matplotlib, NumPy und Pygal - 2D-Spiele programmieren, die auf Tastendrücke und Mausklicks reagieren, und die schwieriger werden, je weiter das Spiel fortschreitet - mit Daten arbeiten, um interaktive Visualisierungen zu generieren - Web-Apps erstellen und anpassen können, um diese sicher online zu deployen - mit Fehlern umgehen, die häufig beim Programmieren auftreten Dieses Buch wird Ihnen effektiv helfen, Python zu erlernen und eigene Programme damit zu entwickeln. Warum länger warten? Fangen Sie an!

Advances in Nanotechnology Research and Application: 2011 Edition - 2012-01-09

Advances in Nanotechnology Research and Application: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Nanotechnology. The editors have built Advances in Nanotechnology Research and Application: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Nanotechnology in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Advances in Nanotechnology Research and Application: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.