

MAJOR REFERENCE WORKS

ELSEVIER

NEW RELEASE



The authoritative reference on hormonally mediated behaviors

Hormones, Brain and Behavior, 2e

Edited by:

Donald W. Pfaff

Rockefeller University, New York, U.S.A.

Arthur P. Arnold

University of California, Los Angeles, U.S.A.

Anne M. Etgen

Albert Einstein College of Medicine, New York, U.S.A.

Susan E. Fahrbach

University of Illinois, Urbana-Champaign, U.S.A.

Robert T Rubin

KEY FEATURES:

- Comprehensive coverage of a growing field of research
- Unique treatment of all major vertebrate and invertebrate model systems with excellent opportunities for relating behavior to molecular genetics
- Covers an unusual breadth ranging from molecules to ecophysiology, and from basic science to clinical research

DESCRIPTION:

Hormones, Brain, and Behavior 2e is a comprehensive work discussing the effect of hormones on the brain and, subsequently, behavior. This major reference work has 109 chapters covering a broad range of topics with an extensive discussion of the effects of hormones on insects, fish, amphibians, birds, rodents, and humans. To truly understand all aspects of our behavior, we must take every influence (including the hormonal influences) into consideration. Donald Pfaff and a number of well-qualified editors examine and discuss how we are influenced by hormonal factors, offering insight and information on the lives of a variety of species.

Hormones, Brain, and Behavior offers the reader comprehensive coverage of growing field of research, with a state-of-the-art overview of hormonally mediated behaviors. This reference provides unique treatment of all major vertebrate and invertebrate model systems with excellent opportunities for relating behavior to molecular genetics.

Available online on ScienceDirect, with limited-edition print version.

RELATED TITLES:

Pfaff: *Hormones, Brain and Behavior, 2e Electronic Version*
(Jun 2009, ISBN-10/13: 978-0-08-088783-8)

ISBN: 978-0-12-374382-4

PREVIOUS EDITION ISBN:
9780125321044

PUB DATE: June 2009

INTRODUCTORY PRICE:
\$1200.00

LIST PRICE: \$1500.00

DISCOUNT: Encyclopedia

FORMAT: Hardback

PAGES: c. 3000

TRIM SIZE: 9.69w x 7.44h "

AUDIENCE: Researchers, students, fellows, and academic clinicians in biology, psychology, psychiatry, neurology, and endocrinology. This work will appeal to agricultural students and professionals, fisheries personnel, physiologists, biochemists, anatomists, and geneticists.

SHELVING CLASSIFICATIONS:
MEDICAL / Neuroscience,
MEDICAL / Endocrinology &
Metabolism, SCIENCE / Biology

BISAC CODES: MED057000,
MED027000, SCI008000

MARKETING: Solo marketing including advertising in the journal *Hormones and Behavior*; direct mail to librarians and researchers; dedicated micro site; frequent email announcements and updates; displayed at key library and end-user conferences.

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KB/26/Oxf - September 2009 Package
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Arnold: Hormones, Brain and Behavior, 2e (978-0-12-374382-4)

SERIALS

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NEW RELEASE



Cutting-edge reviews in immunology

Advances in Immunology, Vol 102

Advances in Immunology

Edited by:

Frederick W. Alt

Howard Hughes Medical Institute Research Laboratories, The Children's Hospital,
Boston, MA, USA

"The series which all immunologists need."

- *The Pharmaceutical Journal*
"Advances in Immunology must find itself among the most active volumes in the libraries of our universities and institutions."
- *Science*
"Deserves a permanent place in biomedical libraries as an aid in research and in teaching."
- *Journal of Immunological Methods*

KEY FEATURES:

- Contributions from leading authorities and industry experts
- Informs and updates on all the latest developments in the field

DESCRIPTION:

Advances in Immunology, a long-established and highly respected publication, presents current developments as well as comprehensive reviews in immunology. Articles address the wide range of topics that comprise immunology, including molecular and cellular activation mechanisms, phylogeny and molecular evolution, and clinical modalities. Edited and authored by the foremost scientists in the field, each volume provides up-to-date information and directions for the future.

ISBN: 978-0-12-374801-0

PUB DATE: July 2009

LIST PRICE: \$170.00

DISCOUNT: Serial

FORMAT: Hardback

PAGES: c. 300

TRIM SIZE: 6w x 9h "

AUDIENCE: Immunologists and infectious disease specialists, cell biologists and hematologists

SHELVING CLASSIFICATIONS:
MEDICAL / Immunology,
SCIENCE / Life Sciences /
Cytology, SCIENCE / Molecular
Biology

BISAC CODES: MED044000,
SCI017000, SCI049000

MARKETING: Ads in relevant publications, included in all subject area mailings, displayed at related exhibits and online

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Alt: Advances in Immunology, Vol 102 (978-0-12-374801-0)

ELSEVIER

NEW RELEASE



Cutting-edge reviews in immunology

Advances in Immunology, Vol 103

Advances in Immunology

Edited by:

Frederick W. Alt

Howard Hughes Medical Institute Research Laboratories, The Children's Hospital,
Boston, MA, USA

"The series which all immunologists need."--THE PHARMACEUTICAL JOURNAL

"Advances in Immunology must find itself among the most active volumes in the libraries of our universities and institutions."--SCIENCE

"Deserves a permanent place in biomedical libraries as an aid in research and in teaching."--JOURNAL OF IMMUNOLOGICAL METHODS

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RELATED TITLES:

Alt: *Advances in Immunology* Vol 99 (2008, \$170 / £85, 9780123743251)

ISBN: 978-0-12-374832-4

PUB DATE: September 2009

LIST PRICE: \$170.00

DISCOUNT: Serial

FORMAT: Hardback

TRIM SIZE: 6w x 9h "

AUDIENCE: Immunologists and infectious disease specialists, cell biologists and hematologists

SHELVING CLASSIFICATIONS:

MEDICAL / Immunology,
SCIENCE / Life Sciences /
Cytology, SCIENCE / Molecular
Biology

BISAC CODES: MED044000,
SCI017000, SCI049000

MARKETING: Ads in relevant publications, included in all subject area mailings, displayed at related exhibits and online

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1. DNA double strand break responses to breaks during V(D)J recombination

Barry Sleckman

2. Regulation of T cell responsiveness and anergy by reversible palmitoylation

Amnon Altman

3. Polysaccharide antigens; immune responses to commensals

Dennis Kasper

4. Chromosomal Architecture and Positioning and Control of V(D)J recombination

Jane Skok

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NEW RELEASE



An essential reference for any researcher involved in protein purification, this volume is a comprehensive collection of methods necessary for purifying, characterizing, and handling proteins and enzymes.

Guide to Protein Purification

Methods in Enzymology, Vol 463, 2e

Edited by:

Richard R Burgess

Murray P. Deutscher

University of Connecticut Health Center, Farmington, Connecticut, U.S.A.

KEY FEATURES:

- Gathers top global authors from industry, medicine, and research fields across a wide variety of disciplines including biochemistry, genetics, oncology, pharmacology, dermatology and immunology
- Assembles chapters on both common and less-common relevant techniques
- Provides robust methods as well as an analysis of the advancements in the field that, for an individual investigator, can be a demanding and time-consuming process

DESCRIPTION:

The 2e of the classic *Guide to Protein Purification* provides a complete update to existing methods in the field, reflecting the enormous advances made in the last two decades. In particular, proteomics, mass spectrometry, and DNA technology have revolutionized the field since the first edition's publication but through all of the advancements, the purification of proteins is still an indispensable first step in understanding their function. This volume examines the most reliable, robust methods for researchers in biochemistry, molecular and cell biology, genetics, pharmacology, biotechnology and sets a standard for best practices in the field. It relates how these traditional and new cutting-edge methods connect to the explosive advancements in the field. This "Guide to" gives imminently practical advice in order to avoid costly mistakes in choosing a method and brings in perspective from the premier researchers while it presents a comprehensive overview of the field today.

RELATED TITLES:

- Deutscher/Guide To Protein Purification (MIE volume 182), February 1990, 9780121820831
- Hunte, et al: Membrane Protein Purification and Crystallization: A Practical Guide (spiral bound), January 2003, 9780123617767

ISBN: 978-0-12-374978-9

PREVIOUS EDITION ISBN:
978-0-12-182083-1

PUB DATE: September 2009

LIST PRICE: \$89.95

DISCOUNT: Agency

FORMAT: Paperback

TRIM SIZE: 7.25w x 10.25h"

PRINT RUN: 3000

AUDIENCE: Researchers, professors, and students of biochemistry, pharmacology, genetics, molecular biology and cell biology

SHELVING CLASSIFICATIONS:

SCIENCE / Biochemistry,
SCIENCE / Molecular Biology,
MEDICAL / Pharmacology

BISAC CODES: SCI007000,
SCI049000, MED071000

MARKETING: Ads for volume and serial in relevant publications; included in all subject area mailings; displayed at related exhibits; online outreach and advertising

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1. Why Purify Enzymes?
2. Strategies and Considerations for Protein Purifications (Linn)
3. Bioinformatics in Planning a Protein Purification (Burgess)
4. Preparing a Protein Purification Summary Table (Burgess)
5. Setting up a Laboratory (Deutscher)
6. Buffers: Principle and Practice (Blanchard)
7. Measurement of Enzyme Activity (Harris)
8. Quantitation of Protein (Bailey and Noble)
9. Maintaining Protein Stability (Deutscher)
10. Strategy for Choosing and Expression System (Brondyk)
11. Bacterial Expression Systems (Collart)
12. Yeast Expression Systems (Cregg)
13. Baculovirus-Insect Cell Expression Systems (Jarvis)
14. Mammalian Expression Systems (Geisse and Knopf)
15. Expression of Tagged Proteins (Melhorta)
16. Re-folding of Solubilized Inclusion Body Protein (Burgess)
17. Preparation of Biological Extract (Grabski)

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Methods in Enzymology, Vol 463, 2e

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- Provides robust methods as well as an analysis of the advancements in the field that, for an individual investigator, can be a demanding and time-consuming process

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- Hunte, et al: Membrane Protein Purification and Crystallization: A Practical Guide (spiral bound), January 2003, 9780123617767

ISBN: 978-0-12-374536-1

PREVIOUS EDITION ISBN:
978-0-12-182083-1

PUB DATE: September 2009

LIST PRICE: \$175.00

DISCOUNT: Serial

FORMAT: Hardback

PAGES: c. 900

TRIM SIZE: 7.25w x 10.25h"

AUDIENCE: Researchers, professors, and students of biochemistry, molecular biology and cell biology

SHELVING CLASSIFICATIONS:
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SCIENCE / Genetics, SCIENCE /
Biochemistry

BISAC CODES: MED071000,
SCI029000, SCI007000

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4. Preparing a Protein Purification Summary Table (Burgess)
5. Setting up a Laboratory (Deutscher)
6. Buffers: Principle and Practice (Blanchard)
7. Measurement of Enzyme Activity (Harris)
8. Quantitation of Protein (Bailey and Noble)
9. Maintaining Protein Stability (Deutscher)
10. Strategy for Choosing and Expression System (Brondyk)
11. Bacterial Expression Systems (Collart)
12. Yeast Expression Systems (Cregg)
13. Baculovirus-Insect Cell Expression Systems (Jarvis)
14. Mammalian Expression Systems (Geisse and Knopf)
15. Expression of Tagged Proteins (Melhorta)
16. Re-folding of Solubilized Inclusion Body Protein (Burgess)
17. Preparation of Biological Extract (Grabski)

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NEW RELEASE



Advances in Chemical Engineering, Vol 36

Advances in Chemical Engineering

Edited by:

Hugo De Lasa

Benito Serrano-Rosales

KEY FEATURES:

- Updates and informs the reader on the latest research findings using original reviews
- Written by leading industry experts and scholars
- Reviews and analyzes developments in the field

DESCRIPTION:

The cross-fertilization of physico-chemical and mathematical ideas has a long historical tradition. This volume of *Advances in Chemical Engineering* is almost completely dedicated to a conference on "Mathematics in Chemical Kinetics and Engineering" (MaCKiE-2007), which was held in Houston in February 2007, bringing together about 40 mathematicians, chemists, and chemical engineers from 10 countries to discuss the application and development of mathematical tools in their respective fields.

RELATED TITLES:

Marin: *Advances in Chemical Engineering*, V32
(2007, 9780123738998, \$215/£110)

Marin: *Advances in Chemical Engineering*, V33
(Feb 08, 9780123739001, \$215/£110)

Marin: *Advances in Chemical Engineering*, V34
(Sep 08, 9780123745064, \$215/£110)

ISBN: 978-0-12-374763-1

PUB DATE: August 2009

LIST PRICE: \$215.00

DISCOUNT: Serial

FORMAT: Hardback

PAGES: c. 250

TRIM SIZE: 6w x 9h "

AUDIENCE: Chemical engineers, materials scientists, bioengineers, biologists and biomedical scientists

SHELVING CLASSIFICATIONS:

TECHNOLOGY / Engineering / Chemical & Biochemical,
SCIENCE / Chemistry / General,
SCIENCE / Chemistry / Technical & Industrial

BISAC CODES: TEC009010,
SCI013000, SCI013060

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De Lasa: Advances in Chemical Engineering, Vol 36 (978-0-12-374763-1)

TABLE OF CONTENTS:

1 SCALING-UP OF PHOTOREACTORS: APLICATIONS TO ADVANCES OXIDATION PROCESSESES

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2 TREATMENT OF CHROMIUM, MERCURY, LEAD, URANIUM AND ARSENIC IN WATER BY HETEROGENEOUS PHOTOCATALYSIS

Litter

3 PHOTOCATALYTIC REACTOR CONFIGURATIONS FOR WATER PURIFICATION: EXPERIMENTATION AND MODELLING

Ray

4 PHOTOCATALYTIC WATER SPLITTING UNDER VISIBLE LIGHT: CONCEPT AND CATALYSTS DEVELOPMENT

Navarro, del Valle, Villoria de la Mano, Álvarez-Galván, G. Fierro

5. Enhanced Mineralization of Phenol and Other Hydroxylated Compounds in a Photocatalytic Reactors Assisted with Ferric Ions Ortiz Gomez (*)

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6 DETERMINATION OF PHOTOADSORPTION CAPACITY OF POLYCRYSTALLINE TiO₂ CATALYST IN IRRADIATED SLURRY

Augugliaro(*) Yurdakal, Loddo, Palmisano, Palmisano

7. Development and Modeling of Solar Photocatalytic Reactors

Arancibia-Bulnes(*) Jiménez, Estrada

8. Photocatalytic treatment of air: from materials design to application

Paz

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NEW RELEASE



Advances in Imaging and Electron Physics, Vol 158

Advances in Imaging and Electron Physics

Edited by:

Peter W. Hawkes

CEMES/Laboratoire d'Optique Electronique du Centre National de la Recherche Scientifique, Toulouse, France

KEY FEATURES:

- Updated with contributions from leading international scholars and industry experts
- Discusses hot topic areas and presents current and future research trends
- Provides an invaluable reference and guide for physicists, engineers and mathematicians

DESCRIPTION:

Advances in Imaging and Electron Physics merges two long-running serials-- *Advances in Electronics and Electron Physics* and *Advances in Optical and Electron Microscopy*. This series features extended articles on the physics of electron devices (especially semiconductor devices), particle optics at high and low energies, microlithography, image science and digital image processing, electromagnetic wave propagation, electron microscopy, and the computing methods used in all these domains.

ISBN: 978-0-12-374769-3

PUB DATE: August 2009

LIST PRICE: \$215.00

DISCOUNT: Serial

FORMAT: Hardback

PAGES: c. 320

TRIM SIZE: 6w x 9h "

AUDIENCE: Physicists, electrical engineers and applied mathematicians in all branches of image processing and microscopy as well as electron physics in general

SHELVING CLASSIFICATIONS:

TECHNOLOGY / Electronics / Microelectronics, TECHNOLOGY / Electronics / General, TECHNOLOGY / Optics

BISAC CODES: TEC008070, TEC008000, TEC030000

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Hawkes: Advances in Imaging and Electron Physics, Vol 158 (978-0-12-374769-3)

TABLE OF CONTENTS:

1, Surface plasmon enhanced photoemission and electron acceleration with ultrashort laser pulses,

Dombi*

2, Physics and the Pioneers of Microscopy,

Ford*

3, Image decomposition: theory, numerical schemes and performance evaluation,

Gilles*

4, The reverse fuzzy distance transform and its use when studying the shape of macromolecules from cryo-electron tomographic data, Svensson*

5, Anchors of Morphological Operators and Algebraic Openings,

Roogenbroeck*

6, Temporal Filtering Technique using Time Lenses for Optical Transmission Systems, Yang, Kumar, Wang

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NEW RELEASE



A broad overview of the most important research on how the tissues that form organs acquire and maintain their proper architecture

Current Topics in Developmental Biology, Vol 89

Tissue Remodeling and Epithelial Morphogenesis

Edited by:

Thomas Lecuit

KEY FEATURES:

Coverage of current research findings and thought on cell-cell and cell-extracellular matrix interactions gives researchers a better understanding of the processes of remodeling and morphogenesis, which are critical to the development of drugs aimed at disrupting the early formation and proliferation of cancerous tumors.

Inclusion of chapters that discuss the most contemporary thought on cell polarity and tissue morphogenesis, providing researchers with a better understanding of the control of cellular organization and polarity (particularly important to researchers who are developing treatments for developmental abnormalities and those working in cancer drug development).

Use of a variety of animal models, allowing researchers to compare and contrast the molecular mechanisms that underlie cell-cell and cell-extracellular matrix interactions in a variety of research models.

DESCRIPTION:

For more than 30 years, *Current Topics in Developmental Biology* has provided a forum for dissemination and discussion of new ideas and thought in developmental biology. Bringing together a series of articles on the structural, functional, and developmental characteristics of epithelials, this thematic volume represents a timely and valuable contribution to an exciting and multidisciplinary field of study. Because defects in epithelial function and growth control play a major role in human disease—cancerous tumors, spina bifida, cardiac malformations, for example—this volume will be of particular interest to researchers working in cancer drug design and development and those working in therapeutic areas to treat developmental abnormalities.

RELATED TITLES:

- Lanza/Principles of Tissue Engineering, 3e (2007), 9780123706757
- Stocum, Regenerative Biology and Medicine (2006), 9780123693716
- Atala/Principles of Regenerative Medicine (2007), 9780123694102

ISBN: 978-0-12-374902-4

PUB DATE: September 2009

LIST PRICE: \$185.00

DISCOUNT: Serial

FORMAT: Hardback

PAGES: c. 350

TRIM SIZE: 6w x 9h "

AUDIENCE: Researchers and students of cell, developmental, and molecular biology as well as genetics.

SHELVING CLASSIFICATIONS:

MEDICAL / General, SCIENCE / Life Sciences / Cytology, SCIENCE / Developmental Biology

BISAC CODES: MED000000, SCIO17000, SCIO72000

MARKETING: Ads for volume and serial in relevant publications; included in all subject area mailings; displayed at related exhibits; online outreach and advertising

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1. Tissue remodeling in Zebrafish (Richard Adams)
2. Tubulogenesis (Markus Affolter)
3. Retinal differentiation and organization (Ross Cagan)
4. Planar cell polarity and epithelial remodeling (Suzanne Eaton)
5. Cell divisions and tissue organization (Matt Gibson)
6. Forces during development (Dan Kiehart)
7. Adhesion stability and remodeling (W. James Nelson)
8. Tissue remodelling in *Drosophila* (Mark Peifer)
9. Mesoderm/endoderm invagination in *c. elegans*, ascidians and flies (Kristen Sherrard)
10. Convergent extension movements during gastrulation and neurulation (Liliana Solnica-Krezel)
11. Mouse epithelial morphogenesis (Masatoshi Takeichi)

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NEW RELEASE



An indispensable resource and practical guide for 21st century practitioners of the clinical laboratory sciences

Advances in Clinical Chemistry, Vol 47

Advances in Clinical Chemistry

Edited by:

Gregory Makowski

Department of Laboratory Medicine, University of Connecticut Health Center,
Farmington, USA

KEY FEATURES:

- Leading experts from academia and clinical laboratory science
- Volume emphasizes novel laboratory advances with application to clinical laboratory diagnostics and practical basic science studies

DESCRIPTION:

Volume 47 in the internationally acclaimed *Advances in Clinical Chemistry* contains chapters submitted from leading experts from academia and clinical laboratory science. Authors are from a diverse field of clinical chemistry disciplines and diagnostics, ranging from basic biochemical exploration to cutting-edge microarray technology.

RELATED TITLES:

Makowski: *Advances in Clinical Chemistry, Vol 44*
(Jul 2007, ISBN-10/13: 0-12-373704-4/ 978-0-12-373704-5)
Makowski: *Advances in Clinical Chemistry, Vol 45*
(Feb 2008, ISBN-10/13: 978-0-12-374208-7)
Makowski: *Advances in Clinical Chemistry, Vol 46*
(Nov 2008, ISBN-10/13: 978-0-12-374209-4)

ISBN: 978-0-12-374796-9

PUB DATE: August 2009

LIST PRICE: \$180.00

DISCOUNT: Serial

FORMAT: Hardback

TRIM SIZE: 6w x 9h "

AUDIENCE: Biochemists and clinical biochemists

SHELVING CLASSIFICATIONS:

SCIENCE / Biochemistry,
SCIENCE / Chemistry / Organic,
SCIENCE / Chemistry / Clinical

BISAC CODES: SCI007000,
SCI013040, SCI013020

MARKETING: House and paid ads in relevant journals, included in subject area mailings, displayed at related exhibits and online

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Makowski: Advances in Clinical Chemistry, Vol 47 (978-0-12-374796-9)

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3 Effect of hormone replacement therapy on inflammatory biomarkers

Panagiota Georgiadou and Eftihia Sbarouni

4 Personalized Clinical Laboratory Diagnostics

Kewal K. Jain

5 Verification of Method Performance for Clinical Laboratories

James H. Nichols

6 Interpreting the Proteome and Peptidome in Transplantation

Tara K. Sigdel, R. Bryan Klassen and Minnie M Sarwal

7 Biomarkers in Long Term Vegetarian Diets

Iris Benzie and S Wachtel-Galor

8 Effect of Caloric Restriction on Oxidative Markers

Jan Škrha

ELSEVIER

NEW RELEASE



Advances in Physical Organic Chemistry, Vol 43

Advances in Physical Organic Chemistry

Edited by:

John Richard

Department of Chemistry, University of Buffalo, NY, U.S.A.

KEY FEATURES:

- Reviews the application of quantitative and mathematical methods towards understanding chemical problems
- Covers organic, organometallic, bioorganic, enzymes and materials topics

DESCRIPTION:

Advances in Physical Organic Chemistry provides the chemical community with authoritative and critical assessments of the many aspects of physical organic chemistry. The field is a rapidly developing one, with results and methodologies finding application from biology to solid state physics.

RELATED TITLES:

Richard: Advances in Physical Organic Chemistry, V40, (Nov 05, \$215/£110, 9780120335404)

Richard: Advances in Physical Organic Chemistry, V41, (Oct 06, \$215/£110, 9780120335411)

Richard: Advances in Physical Organic Chemistry, V42, (Nov 07, \$215/£110, 9780123740939)

ISBN: 978-0-12-374749-5

PUB DATE: August 2009

LIST PRICE: \$215.00

DISCOUNT: Serial

FORMAT: Hardback

PAGES: c. 310

TRIM SIZE: 6.25w x 9.375h "

AUDIENCE: For those interested in the relationship between the structure and function of organic compounds; includes physical and theoretical chemists, as well as organic and bioorganic chemists

SHELVING CLASSIFICATIONS:

SCIENCE / Chemistry / Organic,
SCIENCE / Chemistry / Physical &
Theoretical, SCIENCE / Chemistry
/ General

BISAC CODES: SCI013040,
SCI013050, SCI013000

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Richard: Advances in Physical Organic Chemistry, Vol 43 (978-0-12-374749-5)

TABLE OF CONTENTS:

1. Kinetic medium effects on organic reactions in aqueous colloidal solutions
2. Photoremovable Protecting Groups Based on Photoenolization
3. The Chemistry of Reactive Radical Intermediates in Combustion and the Atmosphere
4. Stable Carbocations and Onium Ions from Polycondensed Aromatic and Heteroaromatic Compounds as Models for Biological Electrophiles and DNA-Transalkylating Agents
5. Structural and Biological Impact of Radical Addition Reactions with DNA Nucleobases.
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Donald L. Sparks

Department of Plant and Soil Sciences, University of Delaware, Newark, USA

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Sparks: *Advances in Agronomy*, Vol 99 (Sep 2008, ISBN-10/13: 978-0-12-374360-2)

ISBN: 978-0-12-374819-5

PUB DATE: September 2009

LIST PRICE: \$170.00

DISCOUNT: Serial

FORMAT: Hardback

TRIM SIZE: 6w x 9h "

AUDIENCE: Professionals, researchers, students, and government involved in agronomy, crop & soil sciences, plant science, and environmental sciences

SHELVING CLASSIFICATIONS:

SCIENCE / Biology, SCIENCE / Life Sciences / General, TECHNOLOGY / Agriculture & Animal Husbandry / General

BISAC CODES: SCI008000, SCI086000, TEC003000

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1. Problems, Challenges and Strategic Options of Grain Security in China (H. Wang, M. Zhang, and Y. Cai)
2. Weed Management in Rice-Based Cropping Systems in Africa (J. Rodenburg and D. E. Johnson)
3. Improvement of Drought Resistance in Rice (R. Serraj, A. Kumar, K. L. McNally, I. Slamet-Loedin, R. Bruskiewich, R. Mauleon, J. Cairns, R. J. Hijmans)

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NEW RELEASE



Advances in Inorganic Chemistry, Vol 61

Advances in Inorganic Chemistry

Edited by:

Rudi van Eldik

University of Erlangen-Nurnberg, Germany

Colin D. Hubbard

Institute for Inorganic Chemistry, University of Erlangen-Nürnberg, Egerlandstr 1,
91058 Erlangen, Germany

KEY FEATURES:

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- Includes contributions from leading experts in the field
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RELATED TITLES:

van Eldik: *Advances in Physical Organic Chemistry, V58*, (Feb 06, \$171/£155, 9780120236589)

van Eldik: *Advances in Physical Organic Chemistry, V59*, (Dec 06, \$171/£155, 9780120236596)

van Eldik: *Advances in Physical Organic Chemistry, V60*, (Oct 08, \$240/£180, 9780123739773)

ISBN: 978-0-12-375033-4

PUB DATE: August 2009

LIST PRICE: \$240.00

DISCOUNT: Serial

FORMAT: Hardback

PAGES: c. 630

TRIM SIZE: 6.25w x 9.375h "

AUDIENCE: Bioinorganic, inorganic, supramolecular and organometallic chemists

SHELVING CLASSIFICATIONS:

SCIENCE / Chemistry / General,
SCIENCE / Chemistry / Inorganic,
SCIENCE / Chemistry / Physical &
Theoretical

BISAC CODES: SCI013000,
SCI013030, SCI013050

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1. Controlling platinum, ruthenium and osmium reactivity for anticancer drug design

Pieter C. A. Bruijninx and Peter J. Sadler

2. Design and function of metal complexes as contrast agents in MRI

Vojtech Kubíek and Éva Tóth

3. Design considerations towards simultaneously radio labelled and fluorescent imaging probes incorporating metallic species

Sofia I. Pascu, Philip A. Waghorn, Timothy Conry, Bonita Lin, Catrin James and Jameel Zayed

4. Iron sequestration by small molecules: Thermodynamic and kinetic studies of natural siderophores and synthetic model compounds

Alvin L. Crumbliss and James M. Harrington

5. Calcium in biological systems

John Burgess and Emma Raven

6. New developments in synthetic nitrogen fixation with molybdenum and tungsten phosphine complexes

Ameli Dreher, Gerald Stephan and Felix Tuczek

7. Chemistry of metalated container molecules

Berthold Kersting and Ulrike Lehmann

8. Mechanistic considerations on the reactivity of green FETAML activators of peroxides

Alexander D. Ryabov and Terrence J. Collins

9. Ligand exchange processes on the smallest solvated alkali and alkaline earth metal cations. An experimental and theoretical approach

Ralph Puchta, Ewa Pasgreta and Rudi van Eldik

10. Spin-state changes and reactivity in transition metal chemistry. Reactivity of iron tetracarbonyl

Maria Besora, José-Luis Carreón-Macedo, Álvaro Cimas and Jeremy N. Harvey

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NEW RELEASE



Advances in Cancer Research, Vol 102

Advances in Cancer Research

Edited by:

George F. Vande Woude

Director, Van Andel Research Institute, Grand Rapids, MI, USA

George Klein

Karolinska Insitutet, Stockholm, Sweden

Praise for the Serial:

"This classic and essential series presents critical overviews on select aspects of both cancer research and the basic underlying sciences."-- American Scientist

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RELATED TITLES:

Vande Woude and Klein: *Advances in Cancer Research, Vol 97* (Apr 2007, ISBN-10/13: 0-12-006697-1/ 978-0-12-006697-1)

Vande Woude and Klein: *Advances in Cancer Research, Vol 98* (Apr 2007, ISBN-10/13: 0-12-373896-2/ 978-0-12-373896-7)

Vande Woude and Klein: *Advances in Cancer Research, Vol 99* (Dec 2007, ISBN-10/13: 978-0-12-374224-7)

ISBN: 978-0-12-374437-1

PUB DATE: August 2009

LIST PRICE: \$150.00

DISCOUNT: Serial

FORMAT: Hardback

TRIM SIZE: 6w x 9h "

AUDIENCE: Researchers and students in the basic and clinical sciences of cancer biology and oncology, plus related areas in genetics, immunology, pharmacology, cell biology, and molecular biology.

SHELVING CLASSIFICATIONS: MEDICAL / Oncology, SCIENCE / Life Sciences / Cytology, SCIENCE / Genetics

BISAC CODES: MED062000, SCI017000, SCI029000

MARKETING: Clustered when appropriate with related titles in cancer research. Displayed at relevant meetings.

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Vande Woude: Advances in Cancer Research, Vol 102 (978-0-12-374437-1)

TABLE OF CONTENTS:

- 1: Tumor Dormancy and Metastasis
- 2: The Role of Micro RNA in CLL
- 3: Tumor Angiogenesis and Wound Repair
- 4: Deciphering the Complexities of Cancer in Mouse Models
- 5: Liposome Based Chemo and Autoimmunotherapy: From Basic Research to Approved Drugs
- 6: P13K/PTEN Signaling in Angiogenesis and Tumorigenesis
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NEW RELEASE



Annual Reports on NMR Spectroscopy, Vol 67

Annual Reports on NMR Spectroscopy

Edited by:

Graham A. Webb

Royal Society of Chemistry, Burlington House, London, UK

KEY FEATURES:

- Provides updates on the latest developments in NMR spectroscopy
- Includes comprehensive review articles
- Highlights the increasing importance of NMR spectroscopy as a technique for structural determination

DESCRIPTION:

Nuclear magnetic resonance (NMR) is an analytical tool used by chemists and physicists to study the structure and dynamics of molecules. In recent years, no other technique has gained such significance as NMR spectroscopy. It is used in all branches of science in which precise structural determination is required and in which the nature of interactions and reactions in solution is being studied. *Annual Reports on NMR Spectroscopy* has established itself as a premier means for the specialist and non-specialist alike to become familiar with new techniques and applications of NMR spectroscopy.

RELATED TITLES:

Webb: Annual Reports on NMR Spectroscopy, Vol 64, (Oct 08, 9780123743374, \$215/£110)

Webb: Annual Reports on NMR Spectroscopy, Vol 65, (May 09, 9780123747341 \$215/£110)

Webb: Annual Reports on NMR Spectroscopy, Vol 66, (Jul 09, 9780123747372 \$215/£110)

ISBN: 978-0-12-375058-7

PUB DATE: late September 2009

LIST PRICE: \$215.00

DISCOUNT: Serial

FORMAT: Hardback

TRIM SIZE: 6.25w x 9.375h "

AUDIENCE: Organic, inorganic, analytical and physical chemists, biochemists, structural biologists, physicists and all those studying and using NMR spectroscopy.

SHELVING CLASSIFICATIONS:

SCIENCE / Chemistry / Physical & Theoretical, SCIENCE / Chemistry / Analytic, SCIENCE / Spectrum Analysis

BISAC CODES: SCI013050, SCI013010, SCI078000

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Webb: Annual Reports on NMR Spectroscopy, Vol 67 (978-0-12-375058-7)

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1 Relativistic Computations of NMR Parameters from First Principles. Theory and Applications

J.Autschbach and S.Zheng

2 Applications of Silicon-Carbon Coupling Constants

V.Blechta

3 One Dimensional Double Quantum Filter NMR Studies

N.Chandrakumar

4 Analysis of Proton NMR Spectra of Strongly and Weakly Dipolar Coupled Spins: Special Emphasis on Spectral Simplification, Chiral Discrimination and Discerning of Degenerate Transitions

B.BaisHya(1), U.R.Prabhu (1,2) and N.Suryaprakash (1)