

The American Ceramic Society Catalog

New and Best-selling Titles

**20%
DISCOUNT**
Off List Prices
for All Members

The American Ceramic Society Catalog

New and Best-selling Titles

**20%
DISCOUNT**
Off List Prices
for All Members

WILEY

The American Ceramic Society
www.ceramics.org

www.wiley.com/go/ceramics

09-06566



BEST SELLING TITLES

Materials Innovations in an Emerging Hydrogen Economy

Ceramic Transactions, Volume 202

George Wicks and Jack Simon

Here's a useful resource for understanding the most important issues in the research and applications of materials innovations. The text features logically organized and carefully selected articles, including international overviews, hydrogen storage, hydrogen production, hydrogen delivery, and leakage detection/safety.

2009 • 256 pages • Hardcover • 978-0-470-40836-0 • USD \$125.00/£109.00/€83.50/\$150.00CDN

Global Roadmap for Ceramic and Glass Technology

Stephen Freiman, et. al.

This is the only global roadmap that identifies the technical and manufacturing challenges associated with the development and expansion of commercial markets for ceramics and glass. Featuring presentations by industry leaders at the 1st International Congress on Ceramics (ICC) held in 2006, it suggests positive, proactive ways to address these challenges.

2007 • 951 pages • Hardcover w/CD-ROM • 978-0-470-10491-0
USD \$315.00/£269.00/€210.00/\$377.99CDN



Advanced Biomaterials

Fundamentals, Processing, and Applications

Bikramjit Basu, Dhirendra S. Katti, and Ashok Kumar

Gain access to a broad introduction to the field, encompassing fundamentals, processing, and applications with Advanced Biomaterials. With contributions from leading experts from around the world, you'll gain insight into a wide range of topics, emphasizing emerging areas of interest, including nanobiomaterials, interface tissue engineering, new manufacturing techniques such as Laser Assisted Net Shaping (LENS), and new polymeric materials.

Chapters include:

Materials for Orthopedic Applications • Science and Technology-Integrated Titanium Dental Implant Systems • Injectable Hydrogels as Biomaterials • Laser Processing of Orthopedic Biomaterials • Medical Devices Based on Bioinspired Ceramics • Cell-based Nanocomposites and Biomolecules for Bone Tissue Engineering • Cells of the Nervous System and Electrical Stimulation.

2009 • 744 pages • Hardcover • 978-0-470-19340-2 • USD \$150.00/£129.00/€100.00/\$180.00CDN



WILEY

WILEY

The American Ceramic Society
www.ceramics.org

FOUR EASY WAYS TO ORDER

Use Promotion Code **CERAM** to save 20%!

- 1. Phone Toll-Free:**
877.762.2974
- 2. Fax Toll-Free:**
800.597.3299

- 3. Mail:** Customer Care
10475 Crosspoint Boulevard
Indianapolis, IN 46256
- 4. Web:** www.wiley.com/go/ceramics

Ceramic Engineering & Science Proceedings

Ceramic Engineering and Science Proceedings is THE source for staying informed about cutting-edge ceramic science and technologies

69th Conference on Glass Problems
Ceramic Engineering Science Proceeding
Volume 30, Issue 1

Charles H. Drummond III

2009 • 248 pages • Hardcover • 978-0-470-45751-1
USD \$79.95/€67.90/£53.50/\$95.95CDN

Mechanical Properties and Performance of Engineering Ceramics and Composites IV
Ceramic Engineering Science Proceeding
Volume 30, Issue 2

Dileep Singh, Waltraud M. Kriven

2009 • 334 pages • Hardcover • 978-0-470-45752-8
USD \$79.95/€67.90/£53.50/\$95.95CDN

Advanced Ceramic Coatings and Interfaces IV
Ceramic Engineering Science Proceeding
Volume 30, Issue 3

Dongming Zhu, Hua-Tay Lin

2009 • 124 pages • Hardcover • 978-0-470-45753-5
USD \$79.95/€67.90/£53.50/\$95.95CDN

Advances in Solid Oxide Fuel Cells V
Ceramic Engineering Science Proceeding
Volume 30, Issue 4

Narottam P. Bansal, Prabhakar Singh

2009 • 260 pages • Hardcover • 978-0-470-45754-2
USD \$79.95/€67.90/£53.50/\$95.95CDN

Advances in Ceramic Armor V
Ceramic Engineering Science Proceeding
Volume 30, Issue 5

Jeffery J. Swab

2009 • 232 pages • Hardcover • 978-0-470-45755-9
USD \$79.95/€67.90/£53.50/\$95.95CDN

Copublished by The American Ceramic Society and Wiley-Blackwell, Volume 30, Issues 1-10 of the *Ceramic Engineering and Science Proceedings* contains the latest advancements in both traditional glass manufacturing and in advanced ceramics and composites. Content is from the 69th Conference on Glass Problems and the 33rd International Conference on Advanced Ceramics and Composites.

This set contains information on glass melting and manufacturing, advanced ceramic coatings, solid oxide fuel cells, bioceramics, nanostructured materials, electronic ceramics, mechanical properties of ceramics and composites, and applications of ceramics in the nuclear industry.

The 10 issues are distributed upon publication throughout the year.

CESP Set 2009 • Volume 30 • Issues 1-10
JUNE 2009 • 978-0-470-45777-1 • \$540.00/\$594.00CDN
Special pricing not available online. Call 800.825.7550 for details.

Advances in Bioceramics and Porous Ceramics II
Ceramic Engineering Science Proceeding
Volume 30, Issue 6

Roger Narayan, Paolo Colombo

2009 • 330 pages • Hardcover • 978-0-470-45756-6
USD \$79.95/€67.90/£53.50/\$95.95CDN

Nanostructured Materials and Nanotechnology III
Ceramic Engineering Science Proceeding
Volume 30, Issue 7

Sanjay Mathur, Mrityunjay Singh

2009 • 164 pages • Hardcover • 978-0-470-45757-3
USD \$79.95/€67.90/£53.50/\$95.95CDN

Advanced Processing and Manufacturing Technologies for Structural and Multifunctional Materials III

Ceramic Engineering Science Proceeding
Volume 30, Issue 8

Tatsuki Ohji, Mrityunjay Singh

2009 • 230 pages • Hardcover • 978-0-470-45758-0
USD \$79.95/€67.90/£53.50/\$95.95CDN

Advances in Electronic Ceramics II
Ceramic Engineering Science Proceeding
Volume 30, Issue 9

Shashank Priya, Anke Weidenkaff, Linan An, David P. Norton

2009 • 138 pages • Hardcover • 978-0-470-45759-7
USD \$79.95/€67.90/£53.50/\$95.95CDN

Ceramics in Nuclear Applications
Ceramic Engineering Science Proceeding
Volume 30, Issue 10

Yutai Katoh, Alex Cozzi

2009 • 202 pages • Hardcover • 978-0-470-45760-3
USD \$79.95/€67.90/£53.50/\$95.95CDN

Ceramic Transactions

Ceramic Transactions volumes contain peer reviewed papers on specific ceramic or materials-related topics that were presented during an ACerS-sponsored conference or at meetings held by other materials related organizations.

New Ceramic Transaction Volumes Now Available

Processing and Properties of Advanced Ceramics and Composites

Ceramic Transactions, Volume 203

Narottam P. Bansal and J. P. Singh

A valuable reference for those interested in innovative approaches to the synthesis and processing of ceramics and composites, as well as their properties. Twenty-two papers describing the latest developments in the areas of combustion synthesis, microwave processing, reaction forming, polymer processing, chemical vapor deposition, electrophoresis, spark plasma sintering, mechanical amorphization, thin films, composites, and more are included in this volume.

2009 • 266 pages • Hardcover • 978-0-470-40845-2
USD \$125.00/€109.00/£83.50/\$150.00CDN

Advances in Electroceramic Materials

Ceramic Transactions, Volume 204

K. M. Nair, D. Suvorov, R. W. Schwartz and R. Guo

Logically organized and carefully selected articles give insight into advances in electroceramic materials and cover topics such as design, synthesis, characterization, and properties and applications—a great resource for understanding the most important issues in advances in electroceramic materials.

2009 • 200 pages • Hardcover • 978-0-470-40844-5
USD \$125.00/€109.00/£83.50/\$150.00CDN

Advances in Energy Materials

Ceramic Transactions, Volume 205

Fatih Dogan and Navin Manjooan

Provides a useful resource for understanding the most important issues in advances in energy materials. Logically organized and carefully selected articles give insight into advances in energy materials and cover topics such as the industrial perspective and nanotechnology for power generation.

2009 • 168 pages • Hardcover • 978-0-470-40843-8
USD \$125.00/€109.00/£83.50/\$150.00CDN

Advances in Biomedical and Biomimetic Materials

Ceramic Transactions, Volume 206

Roger Narayan

Carefully selected articles give insight into advances in biomedical and biomimetic materials and cover topics such as scaffolds for tissue engineering, bioceramics, biomimetic materials, nanoparticles for medical diagnosis and treatment, and novel materials for drug delivery and biosensing.

2009 • 200 pages • Hardcover • 978-0-470-40847-6
USD \$125.00/€109.00/£83.50/\$150.00CDN

Environmental Issues and Waste Management Technologies in the Materials and Nuclear Industries XII

Ceramic Transactions, Volume 207

Alex Cozzi and Tatsuki Ohji

Gain valuable insight into important environmental and waste management issues. This volume covers topics such as ceramics and glass for waste minimization, stabilization, and disposition, and green technologies for materials manufacturing and processing.

2009 • 307 pages • Hardcover • 978-0-470-40848-3
USD \$125.00/€109.00/£83.50/\$150.00CDN

Processing of Nanoparticle Structures and Composites

Ceramic Transactions, Volume 208

Tom Hinklin and Kathy Lu

These carefully selected articles give insight into controlled processing of nanoparticle structures and composites and cover topics such as nanoparticle-based bulk material templating, alumina dielectrics, fabrication of silicon-based ceramics, controlled procession of nanopowders into bulk nanostructured materials, and the role of lattice vibrations in a nanoscale electronic devices.

2009 • 139 pages • Hardcover • 978-0-470-40846-9
USD \$125.00/€109.00/£83.50/\$150.00CDN

COMING SOON

Progress in Nanotechnology: Applications ACerS

2010 • 339 pages • Hardcover • 978-0-470-40840-7
USD \$125.00/€109.00/£83.50/\$150.00CDN

Progress in Nanotechnology: Processing ACerS

2010 • 479 pages • Hardcover • 978-0-470-40839-1
USD \$125.00/€109.00/£83.50/\$150.00CDN

Advances in Sintering Science and Technology

Ceramic Transactions, Volume 209

Rajendra Bordia, E. A. Olevsky

2010 • Hardcover • 978-0-470-40849-0
USD \$125.00/€109.00/£83.50/\$150.00CDN

Progress in Thermal Barrier Coatings

ACerS

Here are the current research papers on materials-related aspects of thermal barrier coatings and associated technologies in one resource. Logically organized and carefully selected, the papers in this edition divide into five categories: Applications, Material Improvements and Novel Compositions, Developments in Processing, Testing and Characterization, Mechanical Properties, and Thermal Properties.

A Progress in Technology Book Series

2009 • 628 pages • Hardcover • 978-0-470-40838-4
USD \$125.00/€109.00/£83.50/\$150.00CDN

Visit www.wiley.com/go/ceramics for additional ceramic titles!