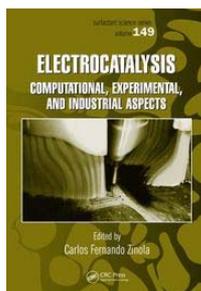


Publications in Brief

BOOKS

“Electrocatalysis: Computational, Experimental, and Industrial Aspects”



Edited by C. F. Zinola (Universidad de la República, Montevideo, Uruguay), CRC Press, Boca Raton, Florida, USA, 2010, 664 pages, ISBN 978-1-4200-4544-4, \$159.95; e-ISBN 978-1-4200-4545-1 (Online version)

The book reviews four main electrochemical processes: hydrogen production, oxygen electrochemistry, energy conversion/production, and fine electroplating. It provides extensive coverage of the electrocatalytic reaction; presents the design and preparation of electrocatalysts based on new concepts such as surface roughness; and covers classical quantum models and new possibilities of *ab initio* methodology in electrocatalysis.

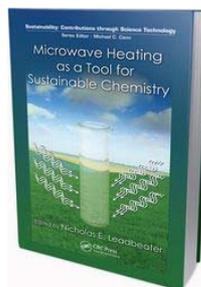
“Innovations in Fuel Cell Technologies”



Edited by R. Steinberger-Wilckens (Forschungszentrum Jülich, Institute of Energy Research, Germany) and W. Lehnert (Forschungszentrum Jülich, Institute of Energy Research, Germany), Royal Society of Chemistry, Cambridge, UK, 2010, 368 pages, ISBN 978-1-84973-033-4, £121.99

This book reviews the state of the art in low- and high-temperature-fuel cells, across all the types applied in the field today, and assesses current trends in development. The main technology problems are discussed and current gaps to market success identified.

“Microwave Heating as a Tool for Sustainable Chemistry”

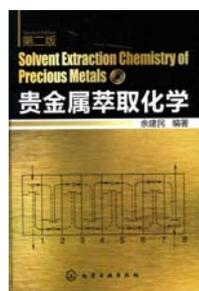


Edited by N. E. Leadbeater (University of Connecticut, Storrs, USA), CRC Press, Boca Raton, Florida, USA, 2010, 290 pages, ISBN 978-1-4398-1269-3, \$149.95; e-ISBN 978-1-4398-1270-9 (Online version)

The book begins with an introduction to microwave heating, the physical concepts behind it, its application in synthetic

chemistry, and commercially available microwave equipment. It shows how microwave heating can be used to facilitate the clean and sustainable synthesis of organic compounds and includes examples which employ pgm catalysts. Other applications are described in detail.

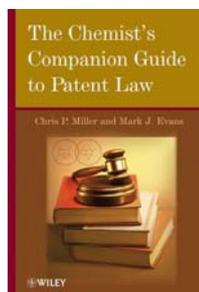
“Solvent Extraction Chemistry of Precious Metals”, 2nd Edition



Edited by Jianmin Yu (Kunming Sino-Platinum Metals Catalyst Co, Ltd, China) (in Chinese), Chemical Industry Press, Beijing, China, 2009, 538 pages, ISBN 978-7-122-08925-0, Yuan 128.00 元

The 1st Edition of “Solvent Extraction Chemistry of Precious Metals” was published in 2005, and was purchased in a number of countries. Many papers and patents about solvent extraction and the separation of precious metals have been published in the five years since. For this edition, the editor reviewed the new literature, rewrote Chapter 2, renewed the content of other chapters, increased the references, and revised errors in the 1st Edition. The preface to the new edition is by Professor You Xiaozeng of the Chinese Academy of Sciences, who is also honorary director of the Coordination Chemistry Institute and the chairman of the Academic Committee of the State Key Laboratory of Coordination Chemistry at Nanjing University, China.

“The Chemist’s Companion Guide to Patent Law”

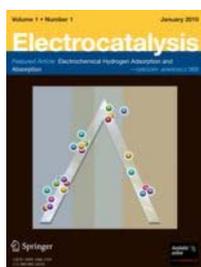


By C. P. Miller (USA) and M. J. Evans (USA), John Wiley & Sons, Inc, Hoboken, New Jersey, USA, 2010, 329 pages, ISBN 978-0-471-78243-8, £66.95, €80.40, US\$99.95; e-ISBN 978-0-470-63691-6

This guide discusses patentability and explains important concepts of patent law such as novelty, non-obviousness, and freedom-to-operate. Through examples from case law as well as real-world situations with which a researcher might be faced, this book provides readers with a better understanding of how to put that knowledge into practice.

JOURNALS

Electrocatalysis



Editor-in-Chief: Gregory Jerkiewicz (Queen's University, Canada); Springer; ISSN 1868-2529 (print version); Springer journal no. 12678

A new journal from Springer, *Electrocatalysis* is cross-disciplinary in nature and provides a unique forum for the exchange of novel ideas in electrocatalysis

for academic, government and industrial researchers. *Electrocatalysis* aims to stimulate the development of electrochemical technologies and invites submissions in subject areas such as:

- Theoretical and experimental aspects of the mechanisms and kinetics of electrochemical reactions;
- Electrochemical generation of gases;
- Electrochemical reactions in fuel cells;
- Electrosynthesis, organic electrochemistry, and electrocatalytic hydrogenation;
- Electrochemical reactions taking place at matrix-supported electrocatalysts;
- Electrode reactions occurring in electrochemical sensors;
- Electrochemical degradation of pollutants.

ON THE WEB

Platinum Drugs Take Their Toll



Ann Thayer, Business | Chemical & Engineering News, June 28, 2010, Volume 88, Number 26, pp. 24–28

Interest in synthesising new platinum-based structures has been growing, but clinical development may tax the reserves of small firms struggling to make their compounds the new standard in cancer therapy.

Collaboration Yielded a New Class of Cancer Drugs

Ann Thayer, Business | Chemical & Engineering News, June 28, 2010, Volume 88, Number 26, WEB EXCLUSIVE

An account of how an academic research institute, a metals producer, and a pharmaceutical firm developed new platinum compounds on the basis of a serendipitous discovery.

Pedagogy on Platinum Drugs

Ann Thayer, Business | Chemical & Engineering News, June 28, 2010, Volume 88, Number 26, WEB EXCLUSIVE

A timeline of platinum anticancer drug development.

Find these articles at: <http://pubs.acs.org/cen/>