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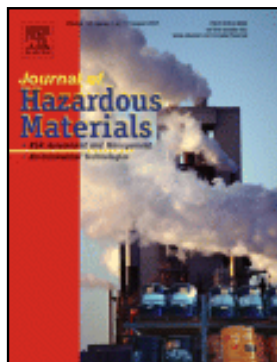

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## Book Reviews

-  91. **J.S. Casas and J. Sordo, Editors, Lead: Chemistry, Analytical Aspects, Environmental Impact and Health Effects, Elsevier, Amsterdam, the Netherlands (2006) ISBN 0-444-52945-4 365 pp., Price: US\$ 230.00.**  
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-  92. **J. Scheirs and W. Kaminsky, Editors, Feedstock Recycling and Pyrolysis of Waste Plastics, John Wiley & Sons Ltd., Chichester, West Sussex, England (2006) ISBN 0-470-02152-7 815 pp., Price: US\$ 360.00.**  
*Pages 682-683*  
Gary F. Bennett  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(48 K\)](#)

-  93. **C. Zhang, Fundamentals of Environmental Sampling and Analysis, John Wiley & Sons, Inc., Hoboken, NJ (2007) ISBN 978-0-471-71097-4 456 pp., Price: US\$ 99.95.**  
*Pages 683-684*  
Gary F. Bennett  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(47 K\)](#)

-  94. **S. Minter, Editor, Alcoholic Fuels, CRC Press, Taylor & Francis Group, Boca Raton, FL (2006) ISBN 0-8493-3944-8 295 pp., Price: US\$ 99.95.**  
*Pages 684-685*  
Gary F. Bennett  
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(50 K\)](#)

-  95. **D.E. Heard, Editor, Analytical Techniques for Atmospheric Measurement, Blackwell Publishing Ltd., Oxford, UK (2006) ISBN 978-1-4051-2357-0 528 pp., Price: €99.50.**  
*Pages 685-686*  
Gary F. Bennett  
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## Corrigendum

 96.

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