



Volume 198, issue 3, 25 March 2010

ISSN 0032-5910

POWDER TECHNOLOGY

**AN INTERNATIONAL JOURNAL ON THE SCIENCE AND
TECHNOLOGY OF WET AND DRY PARTICULATE SYSTEMS**

EDITOR-IN-CHIEF

J.P.K. Seville (*Coventry, UK*)

REGIONAL EDITORS

L.-S. Fan (*Columbus, OH, USA*)

J. Li (*Beijing, China*)

Online Access via:
www.elsevier.com/locate/powtec



CONTENTS

Abstracting Services

This journal is cited by the following Abstracting Services: Analytical Abstracts, Cambridge Scientific Abstracts, Chemical Abstracts, Chemical Engineering Abstracts, Compendex Plus, Current Contents, MFIZ Karlsruhe, Fluid Abstracts, Metals Abstracts, Metal Powder Report, PASCAL/CNRS, Physikalische Berichte, Science Citation Index, World Aluminium Abstracts, World Surface Coatings Abstracts. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®.

A study on the sensitivity of Drucker–Prager Cap model parameters during the decompression phase of powder compaction simulations	315
T. Sinha, J.S. Curtis, B.C. Hancock and C. Wassgren	
Preparation of surface modified nano-Mg(OH) ₂ via precipitation method	325
H. Dong, Z. Du, Y. Zhao and D. Zhou	
Inversion of particle size distribution from spectral extinction data using the bimodal Johnson’s S _B function	330
H. Tang and G. Liang	
Silica-magnesia mixed oxides prepared by a modified Stöber route: Structural and textural aspects	337
R. Brambilla, C. Radtke, J.H.Z. dos Santos and M.S.L. Miranda	
Firing characteristics of size-controlled silver–glass composite powders prepared by spray pyrolysis	347
H.Y. Koo, J.H. Yi, Y.N. Ko, J.H. Kim and Y.C. Kang	
Aqueous re-dispersibility characterization of spray-dried hollow spherical silica nano-aggregates	354
K. Kho and K. Hadinoto	
Using the discrete element method to analyze the breakage rate in a centrifugal/vibration mill	364
H. Lee, H. Cho and J. Kwon	
Synthetic optimization of spherical Li[Ni _{1/3} Mn _{1/3} Co _{1/3}]O ₂ prepared by a carbonate co-precipitation method	373
S. Zhang, C. Deng, B.L. Fu, S.Y. Yang and L. Ma	
Empirical description of flow parameters in eccentric flow inside a silo model	381
I. Sielamowicz, M. Czech and T.A. Kowalewski	
Development of a geometric flight unloading model for flighted rotary dryers	395
A. Lee and M.E. Sheehan	

(Continued on back page of this issue)

The publisher encourages the submission of articles in electronic form thus saving time and avoiding rekeying errors. A leaflet describing our requirements is available from the publisher upon request

