



Volume 192, issue 1, 15 May 2009

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](http://www.elsevier.com/locate/powtec)

CONTENTS

[www.elsevier.com/locate/powtec](http://www.elsevier.com/locate/powtec)

*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®.

Crystalline behaviors of hydroxyapatite in the neutralized reaction with different citrate additions . . . . .	1
C. Li	
Direct evidence on reduced adhesion of Salbutamol sulphate particles due to L-leucine coating . . . . .	6
M. Paajanen, J. Katainen, J. Raula, E.I. Kauppinen and J. Lahtinen	
Comparative study of the mechanical properties of sinterized magnetic alloys applied to electrical machines' core . . . . .	12
J.S. Barboza, L. Schaeffer, L.L. Cerva, J.A.E. Lewis Jr. and M. De Mattos Dias	
Parameter setting on growth of carbon nanotubes over transition metal/alumina catalysts in a fluidized bed reactor . . . . .	16
C.-T. Hsieh, Y.-T. Lin, W.-Y. Chen and J.-L. Wei	
Characterization and low-temperature sintering of $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ nano-powders prepared by refluxing method . . . . .	23
W. Yan, Q. Li, H. Zhong and Z. Zhong	
Preparation of $\text{LaPO}_4:\text{Ce,Tb}$ phosphor with different morphologies and their fluorescence properties . . . . .	27
X. Hu, S. Yan, L. Ma, G. Wan and J. Hu	
Transitions to vibro-fluidization in a deep granular bed . . . . .	33
K.J. Ford, J.F. Gilchrist and H.S. Caram	
Influences of pH value on the microstructure and phase transformation of aluminum hydroxide . . . . .	40
X. Du, Y. Wang, X. Su and J. Li	
Adsorption of elemental mercury vapor by impregnated activated carbon from a commercial respirator cartridge . . . . .	47
S.T. Chung, K.I. Kim and Y.R. Yun	

(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



0032-5910(20090515)192:1;1-N