



Volume 196, Issue 3, 22 December 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

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®.

Full length articles

- Synthesis of TiO_2 -Ag nanocomposite with sol-gel method and investigation of its antibacterial activity against *E. coli* 241
S.A. Amin, M. Pazouki and A. Hosseinnia
- Hydrodynamics of regular particles in a liquid-solid semi-fluidized bed 246
H.M. Jena, G.K. Roy and B.C. Meikap
- Avalanches in moistened beds of glass beads 257
C. Soria-Hoyo, J.M. Valverde and A. Castellanos
- Prediction of minimum fluidization velocity for fine tailings materials 263
S.K. Gupta, V.K. Agarwal, S.N. Singh, V. Seshadri, D. Mills, J. Singh and C. Prakash
- Influence of behaviour of alumina slurry on quality of alumina powder prepared by jet wheel impact atomization 272
P.K. Mishra, B.B. Nayak and B.K. Mishra
- Non-intrusive monitoring of bubbles in a gas-solid fluidized bed using vibration signature analysis 278
M. Abbasi, R. Sotudeh-Gharebagh, N. Mostoufi and M.J. Mahjoob
- Titania-silica composites with less aggregated particles 286
A. Hilonga, J.-K. Kim, P.B. Sarawade and H.T. Kim
- In-situ, simultaneous milling and coating of particulates with nanoparticles 292
Q. Zhang, J. Yang, S. Teng, R.N. Dave, L. Zhu, P. Wang, M.-W. Young and C.G. Gogos
- Size segregation of spherical nickel pellets in the surface flow of a packed bed: Experiments and Discrete Element Method simulations 298
P.A. Moysey and M.H.I. Baird

(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(20091222)196:3;1-H