

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



Vol. 198, issue 2, 10 March 2010

POWDER TECHNOLOGY

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 Science Direct®

SCOPUS". Full text available on ScienceDirect".	
Improvement of granular mixing of dissimilar materials in rotating cylinders	175
Large-eddy simulation of swirling gas-particle flows using a USM two-phase SGS stress model Y. Liu, L.X. Zhou and C.X. Xu	183
Triboelectrification of particulate flows on surfaces: Part I — Experiments	189
Triboelectrification of particulate flows on surfaces: Part II — Mechanisms and models	199
Analysis of the capillary forces between two small solid spheres binded by a convex liquid bridge D. Megias-Alguacil and L.J. Gauckler	211
Disturbance rejection of ball mill grinding circuits using DOB and MPC	219
Low temperature synthesis of YAG:Ce phosphors by LiF assisted sol-gel combustion method H. Jiao, Q. Ma, L. He, Z. Liu and Q. Wu	229
Rationalization of the up-grading circuit of celestite for advanced applications	233
Compaction of aggregated ceramic powders: From contact laws to fracture and yield surfaces P. Pizette, C.L. Martin, G. Delette, P. Sornay and F. Sans	240
Role of rheological characteristics in amorphous food particle-wall collisions in spray drying M.W. Woo, W.R.W. Daud, A.S. Mujumdar, S.M. Tasirin and M.Z.M. Talib	251
Influences of polyacrylic acid adsorption and temperature on the alumina suspension stability	258

(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(20100310)198:2:1-