

Publikationsverzeichnis (Jahr 2019)

Fachgebiet Sicherheitstechnik/Umweltschutz und Institut für Partikeltechnologie der BUW

Bücher und Buchbeiträge (1)

- A. Haarmann Measurement of the Adhesion Moment of a Particle on a Wall in a Gaseous Environ-
E. Schmidt ment and Comparison to Simulated Data, in: S. Antonyuk (Ed.), Particles in Contact,
Springer Nature, Cham Switzerland 2019, 417 - 436

In Fachzeitschriften veröffentlichte Beiträge (8)

- D. Horst Deliquescenz und Effloreszenz hygroskopischer Salzpartikeln in Partikel-Wand- und
Q. Zhang, E. Schmidt Partikel-Partikel-Kontakten, Chem.-Ing.-Tech. 91 (2019) 1-2, 46 - 54
- T. Londershausen Einfluss von Mahlhilfsmitteln auf die Staubungsneigung
K. Vaupel, P. Prziwara, E. Schmidt Chem.-Ing.-Tech. 91 (2019) 7, 1008 - 1013
- D. Schulz Investigation of the dust release from bulk material undergoing various mechanical
N. Schwindt processes using a coupled DEM/CFD approach
E. Schmidt, R. Jasevicius, H. Kruggel-Emden Powder Technology 355 (2019), 37 - 56
- D. Horst Deliquescence and Efflorescence of Hygroscopic Salt Particles in Dust Cakes on
Q. Zhang, E. Schmidt Surface Filters, Chem. Eng. Technol. 42 (2019) 11, 2348 - 2357
- E. Schmidt Reduzierung der Druckverlustanstiegsgeschwindigkeit bei Oberflächenfiltern zur
Staubabscheidung durch Additivdosierung oder Rezirkulation
Filtern und Separieren 33 (2019) 4, 224 - 228
- K. Vaupel Mobile PM10 Immissionsmessungen in Wuppertal
M. Kaul Immissionsschutz 24 (2019) 3, 115 – 117
- S.M. Shaheen Enhancing phytoextraction of potentially toxic elements in a polluted floodplain soil
J. Wang using sulfur-impregnated organoclay
A.-C. Swertz, X. Feng, N. Bolan, J. Rinklebe Environmental Pollution 248 (2019), 1059 -
1066
- J. Wang Sulfur-modified organoclay promotes plant uptake and affects geochemical
S.M. Shaheen fractionation of mercury in a polluted floodplain soil
A.-C. Swertz, T. Rennert, X. Feng, J. Rinklebe Journal of Hazardous Materials 371 (2019), 687 - 693

In Tagungs- und Berichtsbänden veröffentlichte Beiträge (11)

- K. Vaupel Dust formation prognosis functions for the dynamic flowsheet simulation of inter-
E. Schmidt connected solids processes, PARTEC, 09-11 April 2019, Nürnberg, 17-P135, 1 - 4
- N. Schwindt Development of dust release functions – Validation methods for simulation
D. Schulz, H. Kruggel-Emden, E. Schmidt PARTEC, 09-11 April 2019, Nürnberg, 06-4, 1 - 4
- M. Zillgitt Investigations into particle separation with electrostatically charged droplets
E. Schmidt PARTEC, 09-11 April 2019, Nürnberg, 12-P74, 1 - 4

- N. Schwindt Prediction of Dust Emissions – An Experimental-Numerical Approach
D. Schulz 13th International Conference on Bulk Materials Storage, Handling and Transportation
H. Kruggel-Emden, E. Schmidt 9-11 July 2019, Queensland, Australia, 1 - 7
- D. Schulz Entwicklung und Anwendung einer gekoppelten DEM/CFD Methodik zur Vorhersage
N. Schwindt von Staubemissionen aus Schüttgütern, 24. Fachtagung Schüttgutfördertechnik
E. Schmidt, H. Kruggel-Emden (Vol. 24), 25.-26. Sept. 2019, Magdeburg, 73 - 84
- A.-C. Swertz Application of heavy metal staining to detect micro- and nanoplastics in aqueous
N. Pfänder environment
E. Schmidt Microscopy Conference MC 2019, 01-05 September 2019, Berlin, 221 - 222
- D. Horst Influence of the deliquescence and efflorescence of hygroscopic salt particles on the
Q. Zhang performance of surface filters
E. Schmidt Filtech, 22-24 October 2019, Cologne (G03-03)
- Q. Zhang Simulation and experiments on the cake formation in dust filtration with fabric filters
D. Horst, E. Schmidt Filtech, 22-24 October 2019, Cologne (G08-01)
- S. Jüttermann Experiments on the rearrangement behavior of dust in wall flow filters
M. Kaul, E. Schmidt Filtech, 22-24 October 2019, Cologne (G08-02)
- M. Zillgitt Characterization of an electrostatically charged water spray for reducing fine dust
E. Schmidt emissions, Filtech, 22-24 October 2019, Cologne (G08-08)
- N. Schwindt Experimental methods in dust emission prediction
E. Schmidt Filtech, 22-24 October 2019, Cologne (G08-09)