

Contents Volume 34

Vol. 34, No. 1

Field-scale rotary kiln incineration of batch loaded toluene/sorbent. I. Data analysis and bed motion considerations C.B. Leger, V.A. Cundy, A.M. Sterling, A.N. Montestruc, A.L. Jakway (Baton Rouge, LA, USA) and W.D. Owens (Salt Lake City, UT, USA).....	1
Field-scale rotary kiln incineration of batch loaded toluene/sorbent. II. Mass balances, evolution rates, and bed motion comparisons C.B. Leger, C.A. Cook, V.A. Cundy, A.M. Sterling, A.N. Montestruc, A.L. Jakway (Baton Rouge, LA, USA) and W.D. Owens (Salt Lake City, UT, USA).....	31
Factors affecting wet air oxidation of TNT red water: Rate studies O.J. Hao, K.K. Phull, J.M. Chen, A.P. Davis (College Park, MD, USA) and S.W. Maloney (Champaign, IL, USA).....	51
Plume rise of smoke coming from free burning fires C. Zonato (Venice, Italy), A. Vidili (Milan, Italy), R. Pastorino (Genova, Italy) and D.M. De Faveri (Venice, Italy).....	69
Computation of natural gas pipeline rupture problems using the method of characteristics J.A. Olorunmaiye (Ilorin, Nigeria) and N.E. Imide (Bauchi, Nigeria).....	81
Book Reviews.....	99
Announcements.....	109
Instructions to Authors.....	113

Vol. 34, No. 2

Editorial.....	121
Unconfined deflagrative explosion without turbulence: Experiment and model J.C. Leyer, D. Desbordes, J.P. Saint-Cloud (Poitiers, France) and A. Lannoy (Saint-Denis, France).....	123
Methods for vapour cloud explosion blast modelling A.C. van den Berg (Rijswijk, The Netherlands) and A. Lannoy (Saint-Denis, France).....	151
<i>Review</i>	
Computer modelling of turbulent gas explosions in complex 2D and 3D geometries B.H. Hjertager (Porsgrunn, Norway).....	173
Information support for the incineration of chemical waste in cement kilns S.A. Glazar, A. Kornhauser and A. Musar (Ljubljana, Slovenia).....	199

Durability study of a solidified mercury-containing sludge G.C.C. Yang (Kaohsiung, Taiwan).....	217
The investigation of a devastating accident – An accidental explosion of 40 tons of TNT G.-S. Zhang and M.-J. Tang (Beijing, People’s Republic of China)	225
Environmental threats of discarded picture tubes and printed circuit boards G.C.C. Yang (Kaohsiung, Taiwan).....	235
Destruction of cresols by chemical oxidation Y. Zheng, D.O. Hill and C.H. Kuo (Mississippi State, MS, USA).....	245
Book Reviews.....	261

Vol. 34, No. 3

Removal of slightly heavy gases from a valley by crosswinds I.P. Castro (Guildford, UK), A. Kumar (Cary, NC, USA), W.H. Snyder (Research Triangle Park, NC, USA) and S. Pal S. Arya (Raleigh, NC, USA).....	271
Benzene vapor transport in unsaturated soil: Adequacy of the diffusion equation E.A. Voudrias and C. Li (Atlanta, GA, USA).....	295
Stochastic modeling of flow and transport in deep-well injection disposal systems S.-W. Rhee, D.D. Reible and W.D. Constant (Baton Rouge, LA, USA).....	313
Evaluation of volumetric leak detection systems for large underground tanks J.W. Maresca, Jr., J.W. Starr (Mountain View, CA, USA), R.F. Wise, R.W. Hillger and A.N. Tafuri (Edison, NJ, USA)	335
Future risk from a hypothesized RCRA site disposing of carcinogenic metals should a loss of societal memory occur D. Okrent and L. Xing (Los Angeles, CA, USA).....	363
Static charge development and impact sensitivity of high explosives K. Raha and J.S. Chhabra (Pune, India).....	385
Book Reviews.....	393
Announcement.....	401
Author Index Volume 34	403
Contents Volume 34	405