



ELSEVIER

Journal of Hazardous Materials 128 (2006) 299–300

**Journal of
Hazardous
Materials**

www.elsevier.com/locate/jhazmat

Contents Volume 128

Part A: Risk Assessment and Management

The upper explosion limit of lower alkanes and alkenes in air at elevated pressures and temperatures

- F. Van den Schoor and F. Verplaetsen (Leuven, Belgium) 1

A quantitative risk analysis approach to port hydrocarbon logistics

- A. Ronza, S. Carol, V. Espejo, J.A. Vilchez and J. Arnaldos (Catalonia, Spain) 10

Part B: Environmental Technologies

Effect of improving flue gas cleaning on characteristics and immobilisation of APC residues from MSW incineration

- D. Geysen (Mechelen, Belgium), C. Vandecasteele (Leuven, Belgium), M. Jaspers, E. Brouwers and G. Wauters (Mechelen, Belgium) 27

Extraction and recovery of chromium from electroplating sludge

- P.T. de Souza e Silva, N.T. da Mello, M.M.M. Duarte (Recife-PE, Brazil), M.C.B.S.M. Montenegro, A.N. Araújo (Porto, Portugal), B. de Barros Neto and V.L. da Silva (Recife-PE, Brazil) 39

Sorption potential of rice husk for the removal of 2,4-dichlorophenol from aqueous solutions: Kinetic and thermodynamic investigations

- M. Akhtar, M.I. Bhanger, S. Iqbal (Jamshoro, Pakistan) and S.M. Hasany (Islamabad, Pakistan) 44

Ion exchange recovery of Ni(II) from simulated electroplating waste solutions containing anionic ligands

- R.-S. Juang, H.-C. Kao and F.-Y. Liu (Chung-Li, Taiwan) 53

Remedy of dye manufacturing process effluent by UV/H₂O₂ process

- H.-Y. Shu, M.-C. Chang and W.-P. Hsieh (Taichung, Taiwan) 60

Separation, preconcentration and determination of silver ion from water samples using silica gel modified with 2,4,6-trimorpholino-1,3,5-triazin

- T. Madrakian, A. Afkhami, M.A. Zolfigol and M. Solgi (Hamadan, Iran) 67

Carbon dioxide sequestration in municipal solid waste incinerator (MSWI) bottom ash

- E. Rendek, G. Ducom and P. Germain (Villeurbanne, France) 73

Short communication

Adsorption of trace elements from poultry litter by montmorillonite clay

- B. Subramanian and G. Gupta (Princess Anne, MD, USA) 80

Book reviews

- Instructions to Authors 90

Part A: Risk Assessment and Management

Effects of particle size, organic matter and ionic strength on the phosphate sorption in different trophic lake sediments

- S. Wang, X. Jin, Q. Bu, X. Zhou (Beijing, China) and F. Wu (Guangzhou, China) 95

Ambient BTEX and MTBE in the neighborhoods of different industrial parks in Southern Taiwan

- L.-T. Hsieh (Ping Tung, Taiwan), H.-H. Yang and H.-W. Chen (Taichung County, Taiwan) 106

Short Communication

Non-isothermal kinetics of the dehydration reaction of 3-nitro-1,2,4-triazol-5-one rubidium and cesium complexes

- H. Ma (Shaanxi, PR China and Nanjing, PR China), J. Song, H. Xiao, R. Hu, H. Wang, P. Jin and Y. Wang (Shaanxi, PR China) 116

Part B: Environmental Technologies

Synergistic adsorption of phenol from aqueous solution onto polymeric adsorbents

- Z.W. Ming, C.J. Long, P.B. Cai, Z.Q. Xing and B. Zhang (Nanjing, PR China) 123

Oxidation of gas phase trichloroethylene and toluene using composite sol-gel TiO₂ photocatalytic coatings

- M. Keshmiri, T. Trocynski and M. Mohseni (Vancouver, Canada) 130

Adsorption of acid dye onto organobentonite

- P. Baskaralingam, M. Pulikesi, D. Elango, V. Ramamurthi and S. Sivanesan (Chennai, India) 138

TiO₂/UV/O₃-BAC processes for removing refractory and hazardous pollutants in raw water

- L. Li (Guangzhou, China and Beijing, China), W. Zhu, P. Zhang (Beijing, China), Q. Zhang (Guangzhou, China) and Z. Zhang (Beijing, China) 145

Adsorption kinetics of malachite green onto activated carbon prepared from Tunçbilek lignite

- Y. Önal, C. Akmil-Başar, D. Eren, Ç. Sarıcı-Özdemir and T. Depci (Malatya, Turkey) 150

Study on photocatalytic degradation of several volatile organic compounds G.-M. Zuo, Z.-X. Cheng, H. Chen, G.-W. Li and T. Miao (Beijing, China)	158
Extent of oxidation of Cr(III) to Cr(VI) under various conditions pertaining to natural environment A.D. Apte, V. Tare and P. Bose (Kanpur, India)	164
Effect of heating temperature on the sintering characteristics of sewage sludge ash K.-L. Lin (I-Lan City, Taiwan), K.-Y. Chiang (Tai-Chung, Taiwan) and D.-F. Lin (Kaohsiung County, Taiwan)	175
Lumped kinetics and acute toxicity of intermediates in the ozonation of phenol in saline media E.B. Azevedo (Resende, Brazil), F.R. de Aquino Neto and M. Dezotti (Rio de Janeiro, Brazil)	182
Decolorization of acid black 24 by the FeGAC/H ₂ O ₂ process H.-J. Fan, H.-Y. Shu (Taichung, Taiwan) and K. Tajima (Sendai, Japan)	192
Application of Box–Wilson experimental design method for the photodegradation of bakery's yeast industry with UV/H ₂ O ₂ and UV/H ₂ O ₂ /Fe(II) process E.C. Çatalkaya and F. Şengül (Buca-Izmir, Turkey)	201
On-site mercury-contaminated soils remediation by using thermal desorption technology T.C. Chang and J.H. Yen (Taipei, Taiwan)	208
Dissolution of a multicomponent DNAPL pool in an experimental aquifer K.Y. Lee (Piscataway, NJ, USA) and C.V. Chrysikopoulos (Patras, Greece)	218
A preliminary study on sorption, diffusion and degradation of mustard (HD) in cement H. Tang, Z. Cheng, M. Xu, S. Huang and L. Zhou (Beijing, China)	227
Use of hen feathers as potential adsorbent for the removal of a hazardous dye, Brilliant Blue FCF, from wastewater A. Mittal (Bhopal, India)	233
Determination of lead in human saliva by combined cloud point extraction–capillary zone electrophoresis with indirect UV detection M.O. Luconi, R.A. Olsina , L.P. Fernández and M.F. Silva (San Luis, Argentina)	240
Removal of Cd(II) from aqueous solution by kaolinite, montmorillonite and their poly(oxo zirconium) and tetrabutylammonium derivatives S.S. Gupta and K.G. Bhattacharyya (Assam, India)	247
Effect of biogenic substrate concentration on the performance of sequencing batch reactor treating 4-CP and 2,4-DCP mixtures E. Sahinkaya and F.B. Dilek (Ankara, Turkey)	258
Decolorization of Reactive Red 2 by advanced oxidation processes: Comparative studies of homogeneous and heterogeneous systems C.-H. Wu (Chang-Hua, Taiwan) and C.-L. Chang (Hsinchu, Taiwan)	265
Adsorptive removal of phosphate from aqueous solutions using raw and calcinated dolomite S. Karaca, A. Gürses, M. Ejder and M. Açıkyıldız (Erzurum, Turkey)	273
Implication of chromium speciation on disposal of discarded CCA-treated wood J. Song, B. Dubey, Y.-C. Jang, T. Townsend (Gainesville, FL, USA) and H. Solo-Gabriele (Coral Gables, FL, USA)	280
Defluoridation of groundwater using brick powder as an adsorbent A.K. Yadav, C.P. Kaushik, A.K. Haritash, A. Kansal and N. Rani (Hisar, India)	289
<i>Book reviews</i>	294
<i>Contents Volume 128</i>	299