

Quick Search Title, abstract, keywords Author e.g. j s smith
 ? search tips Journal/book title Volume Issue Page Clear



Journal of Hazardous Materials

Copyright © 2007 Elsevier B.V. All rights reserved
 Shortcut URL to this page: <http://www.sciencedirect.com/science/journal/03043894>

Alert me about new Journal Issues

Add to Favorites
 Apply

Article Feed

[Sample Issue Online](#) | [About this Journal](#) | [Submit your Article](#)

- = Full-text available
- = Non-subscribed
- What does this mean?
- Articles in Press**
- Volumes 141 - 148 (2007)**
- Volume 148, Issues 1-2
pp. 1-498 (5 September 2007)
- Volume 147, Issue 3**
pp. 691-1084 (25 August 2007)
- Volume 147, Issues 1-2
pp. 1-690 (17 August 2007)
- Volume 146, Issue 3
pp. 439-686 (31 July 2007)
Environmental Applications of Advanced Oxidation Processes
- Volume 146, Issues 1-2
pp. 1-438 (19 July 2007)
- Volume 145, Issue 3
pp. 351-524 (16 July 2007)
- Volume 145, Issues 1-2
pp. 1-350 (25 June 2007)
- Volume 144, Issue 3
pp. 603-746 (18 June 2007)
* Selected papers of the proceedings of the 5th European Meeting on Chemical Industry and Environment, EMChIE 2006 * held in Vienna, Austria, 3-5 May 2006
- Volume 144, Issues 1-2
pp. 1-602 (1 June 2007)
- Volume 143, Issue 3
pp. 607-702 (17 May 2007)
Site Remediation Technologies
- Volume 143, Issues 1-2
pp. 1-606 (8 May 2007)

Volume 147, Issue 3, Pages 691-1084 (25 August 2007) • Previous vol/iss Next vol/iss •

Article List Full Abstracts Add to my Quick Links

articles 1 - 54

1. **Editorial Board**
 Page CO2
[PDF \(44 K\)](#)


Review


2. **SPME-HPLC: A new approach to the analysis of explosives**
 Pages 691-697
 Gaurav, Varinder Kaur, Ashwini Kumar, Ashok Kumar Malik and P.K. Rai
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(358 K\)](#)


Articles


3. **Selectivity sequences and sorption capacities of phosphatic clay and humus rich soil towards the heavy metals present in zinc mine tailing**
 Pages 698-705
 Pranav Kumar Chaturvedi, Chandra Shekhar Seth and Virendra Misra
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(828 K\)](#)


4. **Multi-criteria decision aid approach for the selection of the best compromise management scheme for ELVs: The case of Cyprus**
 Pages 706-717
 I. Mergias, K. Moustakas, A. Papadopoulos and M. Loizidou
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(951 K\)](#)


 [Volume 142, Issue 3](#)
pp. 573-810 (11 April 2007)
Papers Presented at the 2005 Symposium of the Mary Kay O'Connor Process Safety Center, The 2005 Annual Symposium, Mary Kay O'Connor Process Safety Center

 [Volume 142, Issues 1-2](#)
pp. 1-572 (2 April 2007)


 [Volume 141, Issue 3](#)
pp. 457-856 (22 March 2007)


 [Volume 141, Issue 2](#)
pp. 353-456 (15 March 2007)
Stabilisation/Solidification Treatment and Remediation: Advances in S/S for Waste and Contaminated Land


 [Volume 141, Issue 1](#)
pp. 1-352 (6 March 2007)


 [Volumes 131 - 140 \(2006 - 2007\)](#)

 [Volumes 121 - 130 \(2005 - 2006\)](#)


 [Volumes 111 - 120 \(2004 - 2005\)](#)


 [Volumes 101 - 110 \(2003 - 2004\)](#)


 [Volumes 91 - 100 \(2002 - 2003\)](#)


 [Volumes 81 - 90 \(2001 - 2002\)](#)


 [Volumes 71 - 80 \(2000\)](#)


 [Volumes 61 - 70 \(1998 - 1999\)](#)


 [Volumes 51 - 60 \(1996 - 1998\)](#)


 [Volumes 41 - 50 \(1995 - 1996\)](#)


 [Volumes 31 - 40 \(1992 - 1995\)](#)


 [Volumes 21 - 30 \(1989 - 1992\)](#)


 [Volumes 11 - 20 \(1985 - 1988\)](#)


 [Volumes 1 - 10 \(1975 - 1985\)](#)


 5. **Microbial conversion of sulfur dioxide in flue gas to sulfide using bulk drug industry wastewater as an organic source by mixed cultures of sulfate reducing bacteria**
Pages 718-725
A. Gangagni Rao, P. Ravichandra, Johny Joseph, Annapurna Jetty and P.N. Sarma
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(718 K\)](#)


 6. **Interaction of uranium with *in situ* anoxically generated magnetite on steel**
Pages 726-731
Miquel Rovira, Souad El Aamrani, Lara Duro, Javier Giménez, Joan de Pablo and Jordi Bruno
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(840 K\)](#)

 7. **Removal of naphthalene in Brij 30-containing solution by ozonation using rotating packed bed**
Pages 732-737
Chun-Yu Chiu, Yi-Hung Chen and Yi-Haw Huang
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(412 K\)](#)


 8. **Dynamic sorption of ionizable organic compounds (IOCs) and xylene from water using geomaterial-modified montmorillonite**
Pages 738-745
M. Houari, B. Hamdi, J. Brendle, O. Bouras, J.C. Bollinger and M. Baudu
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(201 K\)](#)


 9. **Granular activated carbon adsorption and microwave regeneration for the treatment of 2,4,5-trichlorobiphenyl in simulated soil-washing solution**
Pages 746-751
Xitao Liu, Gang Yu and Wenya Han
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(435 K\)](#)

 10. **Removal of chromium ions from aqueous solutions by polymer-enhanced ultrafiltration**
Pages 752-758
Mohamed Kheireddine Aroua, Fathiah Mohamed Zuki and Nik Meriam Sulaiman
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(504 K\)](#)











 11. **Statistical analysis of atmospheric trace metals and particulate fractions in Islamabad, Pakistan**
Pages 759-767
Munir H. Shah and N. Shaheen
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(319 K\)](#)

 12. **Heavy metals mobilization from harbour sediments using EDTA and citric acid as chelating agents**
Pages 768-775
L. Di Palma and R. Mecozzi
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(513 K\)](#)





 13. **Effect of raw materials on emissions of polychlorinated dibenzo-*p*-dioxins and dibenzofurans from the stack flue gases of secondary aluminum smelters**
Pages 776-784
Hsing-Wang Li, Wen-Jhy Lee, Kuo-Lin Huang and Guo-Ping Chang-Chien
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(502 K\)](#)

 14. **Biosorption of lead(II) and cadmium(II) by protonated *Sargassum glaucescens* biomass in a continuous packed bed column**
Pages 785-791
Kazem Naddafi, Ramin Nabizadeh, Reza Saeedi, Amir Hossein Mahvi, Forough Vaezi, Kamyar Yaghmaeian, Azar Ghasri and Shahrokh Nazmara
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(213 K\)](#)

-  15. **Fast removal of copper ions by gum arabic modified magnetic nano-adsorbent**
Pages 792-799
Shashwat S. Banerjee and Dong-Hwang Chen
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(331 K\)](#)
-  16. **Direct oxidation of *n*-heptane to ester over modified sulfated SnO₂ catalysts under mild conditions**
Pages 800-805
Xue Cui, Hongzhu Ma, Bo Wang and Hongwei Chen
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(547 K\)](#)
-  17. **Effect of Pb toxicity on root morphology, physiology and ultrastructure in the two ecotypes of *Elsholtzia argyi***
Pages 806-816
Ejazul Islam, Xiaoe Yang, Tingqiang Li, Dan Liu, Xiaofen Jin and Fanhua Meng
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(1367 K\)](#)
-  18. **Characterisation of products of tricalcium silicate hydration in the presence of heavy metals**
Pages 817-825
Q.Y. Chen, C.D. Hills, M. Tyrer, I. Slipper, H.G. Shen and A. Brough
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(565 K\)](#)
-  19. **Reliable estimation of performance of explosives without considering their heat contents**
Pages 826-831
Mohammad Hossein Keshavarz
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(130 K\)](#)
-  20. **Copper(II)-8-hydroxquinoline coprecipitation system for preconcentration and separation of cobalt(II) and manganese(II) in real samples**
Pages 832-837
Mustafa Soylak, Betul Kaya and Mustafa Tuzen
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(192 K\)](#)
-  21. **Biotransformation and metabolic response of cyanide in weeping willows**
Pages 838-844
Xiao-Zhang Yu, Ji-Dong Gu and Shuo Liu
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(238 K\)](#)
-  22. **Application of polyaniline for the reduction of toxic Cr(VI) in water**
Pages 845-851
Ali Olad and Reza Nabavi
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(182 K\)](#)
-  23. **Simultaneous sorption and desorption of Cd, Cr, Cu, Ni, Pb, and Zn in acid soils: I. Selectivity sequences**
Pages 852-861
E.F. Covelo, F.A. Vega and M.L. Andrade
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(865 K\)](#)
-  24. **Simultaneous sorption and desorption of Cd, Cr, Cu, Ni, Pb, and Zn in acid soils: II. Soil ranking and influence of soil characteristics**
Pages 862-870
E.F. Covelo, F.A. Vega and M.L. Andrade
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(220 K\)](#)
-  25. **Incineration of a small particle of wet sewage sludge: A numerical comparison between two states of the surrounding atmosphere**
Pages 871-882
Besma Khiari, Frederic Marias, Jean Vaxelaire and Fethi Zagrouba
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(816 K\)](#)

-  26. **Ammonium removal from solution using ion exchange on to Mesolite, an equilibrium study**
Pages 883-889
A. Thornton, P. Pearce and S.A. Parsons
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(487 K\)](#)
-  27. **Distribution of arsenic in groundwater in the area of Chalkidiki, Northern Greece**
Pages 890-899
A. Kouras, I. Katsoyiannis and D. Voutsas
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(1922 K\)](#)
-  28. **Sunflower seed shells: A novel and effective low-cost adsorbent for the removal of the diazo dye Reactive Black 5 from aqueous solutions**
Pages 900-905
Johann F. Osma, Verónica Saravía, José L. Toca-Herrera and Susana Rodríguez Couto
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(472 K\)](#)
-  29. **Effect of deposition of Ag on TiO₂ nanoparticles on the photodegradation of Reactive Yellow-17**
Pages 906-913
A. Valentine Rupa, D. Manikandan, D. Divakar and T. Sivakumar
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(759 K\)](#)
-  30. **Evaluation of biodiesel as bioremediation agent for the treatment of the shore affected by the heavy oil spill of the Prestige**
Pages 914-922
P. Fernández-Álvarez, J. Vila, J.M. Garrido, M. Grifoll, G. Feijoo and J.M. Lema
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(1032 K\)](#)
-  31. **Permeation of a straight oil metalworking fluid through disposable nitrile, chloroprene, vinyl, and latex gloves**
Pages 923-929
Wenhai Xu and Shane S. Que Hee
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(261 K\)](#)
-  32. **The assistance of microwave process in sludge stabilization with sodium sulfide and sodium phosphate**
Pages 930-937
Ching-Lung Chen, Shang-Lien Lo, Pei-Te Chiueh, Wen-Hui Kuan and Ching-Hong Hsieh
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(725 K\)](#)
-  33. **Analysis of groundwater quality using fuzzy synthetic evaluation**
Pages 938-946
Sudhir Dahiya, Bupinder Singh, Shalini Gaur, V.K. Garg and H.S. Kushwaha
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(1031 K\)](#)
-  34. **Accumulation of Cd, Pb and Zn by 19 wetland plant species in constructed wetland**
Pages 947-953
Jianguo Liu, Yuan Dong, Hai Xu, Deke Wang and Jiakuan Xu
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(142 K\)](#)
-  35. **Removal of excess fluoride from water using waste residue from alum manufacturing process**
Pages 954-963
Worku Nigussie, Feleke Zewge and B.S. Chandravanshi
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(1021 K\)](#)

-  36. **Cobalt modified solid superacid assisted electrochemical reaction of toluene with methanol**
Pages 964-970
Fengtao Chen, Hongzhu Ma and Bo Wang
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(513 K\)](#)
-  37. **Transition state kinetics of Hg(II) adsorption at gibbsite–water interface**
Pages 971-978
Rohan Weerasooriya, Heinz J. Tobschall, Wasana Seneviratne and Atula Bandara
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(597 K\)](#)
-  38. **Adsorption characteristics of Congo Red onto the chitosan/montmorillonite nanocomposite**
Pages 979-985
Li Wang and Aiqin Wang
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(720 K\)](#)
-  39. **Small hazardous waste generators in developing countries: use of stabilization/solidification process as an economic tool for metal wastewater treatment and appropriate sludge disposal**
Pages 986-990
Marcos A.R. Silva, Luciana Mater, Maria M. Souza-Sierra, Albertina X.R. Corrêa, Rafael Sperb and Claudemir M. Radetski
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(116 K\)](#)
-  40. **Feasibility investigation of oily wastewater treatment by combination of zinc and PAM in coagulation/flocculation**
Pages 991-996
Yubin Zeng, Changzhu Yang, Jingdong Zhang and Wenhong Pu
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(605 K\)](#)
-  41. **Application of MCM-41 for dyes removal from wastewater**
Pages 997-1005
Chung-Kung Lee, Shin-Shou Liu, Lain-Chuen Juang, Cheng-Cai Wang, Kuen-Song Lin and Meng-Du Lyu
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(855 K\)](#)
-  42. **Efficacy of modified distillation sludge of rose (*Rosa centifolia*) petals for lead (II) and zinc(II) removal from aqueous solutions**
Pages 1006-1014
Mubashir Hussain Nasir, Raziya Nadeem, Kalsoom Akhtar, Muhammad Asif Hanif and Ahmad M. Khalid
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(382 K\)](#)
-  43. **Strength properties of fly ash based controlled low strength materials**
Pages 1015-1019
S. Türkel
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(113 K\)](#)
-  44. **Physical and chemical properties and adsorption type of activated carbon prepared from plum kernels by NaOH activation**
Pages 1020-1027
Ru-Ling Tseng
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(900 K\)](#)
-  45. **Studies on the adsorption of reactive brilliant red X-3B dye on organic and carbon aerogels**
Pages 1028-1036
Xinbo Wu, Dingcai Wu and Ruowen Fu
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(846 K\)](#)

-  46. **Total flammable mass and volume within a vapor cloud produced by a continuous fuel-gas or volatile liquid-fuel release**
Pages 1037-1050
Michael Epstein and Hans K. Fauske
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(334 K\)](#)
-  47. **Separation of polyvinyl chloride (PVC) from automobile shredder residue (ASR) by froth flotation with ozonation**
Pages 1051-1055
Mallampati Srinivasa Reddy, Keisuke Kurose, Tetsuji Okuda, Wataru Nishijima and Mitsumasa Okada
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(331 K\)](#)
-  48. **The adsorption of cationic dye from aqueous solution onto acid-activated andesite**
Pages 1056-1062
Wen-Tien Tsai, Hsin-Chieh Hsu, Ting-Yi Su, Keng-Yu Lin, Chien-Ming Lin and Tzong-Hung Dai
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(344 K\)](#)
-  49. **Concentration and speciation of heavy metals in six different sewage sludge-composts**
Pages 1063-1072
Quan-Ying Cai, Ce-Hui Mo, Qi-Tang Wu, Qiao-Yun Zeng and Athanasios Katsoyiannis
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(360 K\)](#)

Short Communication

-  50. **Toxicity of textile dyes and their degradation by the enzyme horseradish peroxidase (HRP)**
Pages 1073-1078
Selene Maria Arruda Guelli Ulson de Souza, Eliane Forgiarini and Antônio Augusto Ulson de Souza
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(167 K\)](#)

Book Reviews

-  51. **C.S. Yang and P. Heinsohn, Editors, Sampling and Analysis of Indoor Microorganisms, John Wiley & Sons Inc., Hoboken, NJ (2007) ISBN 0-471-73093-9 289 pp., US\$ 80.00.**
Page 1079
Gary F. Bennett
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(79 K\)](#)
-  52. **S. Lee, J.G. Speight and S.K. Loyalka, Handbook of Alternative Fuel Technologies, CRC Press, Taylor & Francis Group, Boca Raton, FL (2007) ISBN 978-0-8247-4069-6 567 pp., Price: US \$149.95.**
Pages 1080-1081
Gary F. Bennett
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(44 K\)](#)
-  53. **M. Graziani and P. Fornasiero, Editors, Renewable Resources and Renewable Energy: A Global Challenge, CRC Press/Taylor & Francis Group, Boca Raton, FL (2007) ISBN 978-0-8493-9689-2, p. 380 Price: USD \$129.95.**
Page 1081
Gary F. Bennett
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(38 K\)](#)
-  54. **N. Willey, Editor, Phytoremediation: Methods and Reviews, Humana Press, Totowa, NJ (2007) ISBN 1-588-29-541-9 49 pp., Price: US\$ 135.00.**
Page 1082
Gary F. Bennett
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(35 K\)](#)

[Home](#)

[Browse](#)

[Search](#)

[My Settings](#)

[Alerts](#)

[Help](#)



[About ScienceDirect](#) | [Contact Us](#) | [Terms & Conditions](#) | [Privacy Policy](#)

Copyright © 2007 Elsevier B.V. All rights reserved. ScienceDirect® is a registered trademark of Elsevier B.V.