Top 25 Hottest Articles
Earth and Planetary Sciences > Journal of Hydrology
July to September 2005

1. Applicability of neuro-fuzzy techniques in predicting ground-water vulnerability: a GIS-based sensitivity analysis
   Dixon, B.  
   [Cited by SciVerse Scopus (30)]

2. A review of paired catchment studies for determining changes in water yield resulting from alterations in vegetation
   Brown, A.E.; Zhang, L.; McMahon, T.A.; Western, A.W.; Vardavas, R.A.  
   [Cited by SciVerse Scopus (136)]

3. A stochastic model for 3-dimensional flow patterns in infiltration experiments
   Schlaffer, M.; How, B.  
   [Cited by SciVerse Scopus (14)]

4. An infiltration model based on flow variability in macropores: development, sensitivity analysis and applications
   Journal of Hydrology, Volume 310, Issue 1-4, August 2005, Pages 294-315
   Weiler, M.  
   [Cited by SciVerse Scopus (17)]

5. Modelling stream-aquifer interactions with linear response functions
   Hanthala, M.M.  
   [Cited by SciVerse Scopus (14)]

6. Distributed hydrological model for mapping evapotranspiration using remote sensing inputs
   Chen, J.M.; Chen, X.; Ju, W.; Deng, X.  
   [Cited by SciVerse Scopus (52)]

7. Temporal analysis of the frequency and duration of low and high streamflow: years of record needed to characterize streamflow variability
   Huh, S.; Dicka, O.A.; Mauder, M.; Ruhi, K.E.  
   [Cited by SciVerse Scopus (6)]

8. A GIS based distributed rainfall-runoff model
   Jain, M.K.; Kothiyali, U.D.; Ranga Raju, K.G.  
   [Cited by SciVerse Scopus (30)]

9. Sensitivity analyses of a distributed catchment model to verify the model structure
   Journal of Hydrology, Volume 310, Issue 1-4, August 2005, Pages 216-235
   Sidbar, A.; Uhlenbrook, S.  
   [Cited by SciVerse Scopus (31)]

10. Regression-based downscaling of spatial variability for hydrologic applications
    Burger, G.; Chen, Y.  
    [Cited by SciVerse Scopus (17)]

11. Utility of Penman-Monteith, Priestley-Taylor, reference evapotranspiration, and pan evaporation methods to estimate pasture evapotranspiration
    Sumner, D.M.; Jacobs, J.M.  
    [Cited by SciVerse Scopus (30)]

12. DEM-based modelling of surface runoff using diffusion wave equation
    Jain, M.K.; Singh, V.P.  
    [Cited by SciVerse Scopus (22)]

13. Multi-criteria optimization of a regional spatially-distributed subsurface water flow model
    Schoups, G.; Huygens, J.W.; Young, C.A.; Vrugt, J.A.; Wallender, W.W.  
    [Cited by SciVerse Scopus (14)]

14. Sensitivity and uncertainty analysis coupled with automatic calibration for a distributed watershed model
15. Evaluation of three complementary relationship evapotranspiration models by water balance approach to estimate actual regional evapotranspiration in different climatic regions
Journal of Hydrology, Volume 308, Issue 1-4, July 2005, Pages 105-121
Xu, C.Y.; Singh, V.P.
Cited by SciVerse Scopus (13)

16. Daily potential evapotranspiration and diurnal climate forcings: influence on the numerical modelling of soil water dynamics and evapotranspiration
Liu, S.; Graham, W.D.; Jacobs, J.M.
Cited by SciVerse Scopus (11)

17. Regional annual water yield from forest lands and its response to potential deforestation across the southeastern United States
Sun, G.; McKelty, S.O.; Lu, J.; Amaty, D.M.; Liang, Y.; Kolka, R.K.
Cited by SciVerse Scopus (26)

18. Groundwater level forecasting using artificial neural networks
Daliakopoulos, I.N.; Coulibaly, P.; Tsannis, I.K.
Cited by SciVerse Scopus (27)

Journal of Hydrology, Volume 310, Issue 1-4, August 2005, Pages 180-190
Jones, A.L.; Smart, P.L.
Cited by SciVerse Scopus (3)

20. The response of flow duration curves to afforestation
Journal of Hydrology, Volume 310, Issue 1-4, August 2005, Pages 253-265
Lane, P.N.J.; Beuk, A.E.; Nickel, K.; Zhang, L.
Cited by SciVerse Scopus (10)

21. Reactive transport modeling of calcite dissolution in the fresh-salt water mixing zone
Rezaei, M.; Sani, E.; Raveh, E.; Ayora, C.; Vazquez-Castro, E.; Carrera, J.
Cited by SciVerse Scopus (3)

22. Factors influencing groundwater seepage in a large, mesotrophic lake in New York
Schneider, R.L.; Nagy, T.L.; Walker, C.
Cited by SciVerse Scopus (4)

23. Groundwater use by vegetation in a tropical savanna riparian zone (Daly River, Australia)
Lamontagne, S.; Cook, P.G.; O’Grady, A.; Eamus, D.
Cited by SciVerse Scopus (3)

24. Assessment of chemical water types and their spatial variation using multi-stage cluster analysis, Queensland, Australia
Journal of Hydrology, Volume 310, Issue 1-4, August 2005, Pages 181-200
McNeil, V.H.; Cox, M.E.; Preda, M.
Cited by SciVerse Scopus (10)

25. Estimating discharge in rivers using remotely sensed hydraulic information
Bjerklie, D.M.; Moller, D.; Smith, L.C.; Dingman, S.L.
Cited by SciVerse Scopus (30)