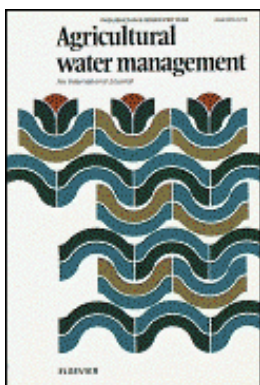


REVISTAS DE INTERÉS

Incluimos en este apartado la relación de artículos publicados en las revistas de mayor impacto en el campo de la Ingeniería Hidráulica, con fecha posterior a la impresión del ejemplar anterior de nuestra revista. No se reseñan aquellos artículos cuyo contenido cae fuera de nuestras áreas de interés o bien aquellos que presentan una extrema especificidad.

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- Energy budget and actual evapotranspiration of an arid oasis ecosystem: Palmyra. Jean-Pierre Brunel, Jnad Ihab, Abdallah M. Droubi and Samar Samaan
- Water–nitrogen relationships for wheat growth and productivity in late sown conditions. A.M. Kibe, S. Singh and N. Kalra
- Efficiency of shading materials in reducing evaporation from free water surfaces. V. Martínez Alvarez, A. Baille, J.M. Molina Martínez and M.M. González-Real
- Subsurface drainage performance study using SALTMOD and ANN models. A. Sarangi, Man Singh, A.K. Bhattacharya and A.K. Singh
- Evaluating strategies for improved water use in spring wheat with CERES. David B. Lobell and J. Ivan Ortiz-Monasterio
- Water-use efficiency of dwarf-green coconut (*Cocos nucifera* L.) orchards in northeast Brazil. Pedro Vieira de Azevedo, Inajá Francisco de Sousa, Bernardo Barbosa da Silva and Vicente de Paulo Rodrigues da Silva
- Is water productivity a useful concept in agricultural water management? Dirk Zobel
- Response of green bean (*P. vulgaris* L.) to subsurface drip irrigation and partial rootzone-drying irrigation. Cafer Gençođlan, Hasibe Altunbey and Serpil Gençođlan
- Groundwater quality in CR-V irrigation district (Bardenas I, Spain): Alternative scenarios to reduce off-site salt and nitrate contamination. J. Causapé, D. Quílez and R. Aragüés
- Maximum daily trunk shrinkage reference values for irrigation scheduling in olive trees. F. Moreno, W. Conejero, M.J. Martín-Palomo, I.F. Girón and A. Torrecillas
- Groundwater resources and management for paddy field irrigation and associated environmental problems in an alluvial coastal lowland plain. Nguyen Cao Don, Nguyen Thi Minh Hang, Hiroyuki Araki, Hiroyuki Yamanishi and Kenichi Koga

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- Causes of farmland salinization and remedial measures in the Aral Sea basin— Research on water management to prevent secondary salinization in rice-based cropping system in arid land. Yoshinobu Kitamura, Tomohisa Yano, Toshimasa Honna, Sadahiro Yamamoto and Koji Inosako

- Testing evapotranspiration equations using lysimeter observations in a semiarid climate. R. López-Urrea, F. Martín de Santa Olalla, C. Fabeiro and A. Moratalla
- Salinity impact assessment on crop yield for Wadi Laba spate irrigation system in Eritrea. Abraham Mehari, Bart Schultz and Herman Depeweg
- Simulating the fate of molinate in rice paddies using the RICEWQ model. Evan W. Christen, Sang-Ok Chung and Wendy Quayle
- Nutrient losses from artificially drained catchments in North-Eastern Germany at different scales. Bärbel Tiemeyer, Petra Kahle and Bernd Lennartz
- Determination of plant-pan coefficients for field-grown eggplant (*Solanum melongena* L.) using class A pan evaporation values. Ahmet Ertek, Suat Şensoy, Cenk Küçükyumuk and Ibrahim Gedik
- Use of the SHAW model to assess soil water recovery after apple trees in the gully region of the Loess Plateau, China. Mingbin Huang and Jacques Gallichand
- Simulating the effects of extreme dry and wet years on the water use of flooding-irrigated maize in a Mediterranean landplane. Angel Utset, Antonio Martínez-Cob, Imma Farré and José Cavero
- Simulating leaching of potassium in a sandy soil using simple and complex models. Z. Kolahchi and M. Jalali
- Nitrogen and water use efficiency of fertigated processing potato. T.M. Darwish, T.W. Atallah, S. Hajhasan and A. Haidar
- Effect of supplemental irrigation on leaf stomatal conductance of field-grown wheat in northern Syria. Takahiro Sato, Osman S. Abdalla, Theib Y. Oweis and Tetsuo Sakuratani
- Optimum lateral spacing for drip-irrigated corn in the Mediterranean Region of Turkey. Yeşim Bozkurt, Attila Yazar, Burçin Gençel and Metin Semih Sezen
- Impact of the shift from groundwater to surface water irrigation on aquifer dynamics and hydrochemistry in a semi-arid region in the south of Portugal. T.Y. Stigter, A.M.M. Carvalho Dill, L. Ribeiro and E. Reis
- Olive oil production as influenced by different quantities of applied water. S.R. Grattan, M.J. Berenguer, J.H. Connell, V.S. Polito and P.M. Vossen
- Crop water productivity of an irrigated maize crop in Mkoji sub-catchment of the Great Ruaha River Basin, Tanzania. Henry E. Igbadun, Henry F. Mahoo, Andrew K.P.R. Tarimo and Baanda A. Salim
- Effect of alternating irrigation with sodic and non-sodic waters on soil properties and sunflower yield. O.P. Choudhary, B.S. Ghuman, A.S. Josan and M.S. Bajwa
- Development of the revised USDA–NRCS intake families for surface irrigation. Wynn R. Walker, Clare Prestwich and Thomas Spofford
- Development of a physically based 1D-infiltration model for irrigated soils. M. Damodhara Rao, N.S. Raghuwanshi and R. Singh
- The agricultural impacts of irrigation induced waterlogging and soil salinity in the Arkansas Basin. Eric Houk, Marshall Frasier and Eric Schuck
- Classification and salt tolerance analysis of barley varieties. N. Katerji, J.W. van Hoorn, A. Hamdy, M. Mastroilli, C. Fares, S. Ceccarelli, S. Grando and T. Oweis
- Comparison of precise water depth measurements on agricultural storages with open water evaporation estimates. I.P. Craig
- Nitrate accumulation and movement under deficit irrigation in soil receiving cattle manure and commercial fertilizer. D.D. Tarkalson, J.O. Payero, S.M. Ensley and C.A. Shapiro
- Effects of irrigation on water balance, yield and WUE of winter wheat in the North China Plain. Hong-Yong Sun, Chang-Ming Liu, Xi-Ying Zhang, Yan-Jun Shen and Yong-Qiang Zhang

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- Calibration and validation of DRAINMOD to design subsurface drainage systems for Iowa's tile landscapes. R. Singh, M.J. Helmers and Zhiming Qi

- Improvement of saline water use under drip irrigation system. H. Dehghanisani, M. Agassi, H. Anyoji, T. Yamamoto, M. Inoue and A.E. Eneji
- The effect of spray head sprinklers with different deflector plates on irrigation uniformity, runoff and sediment yield in a Mediterranean soil. Luis Leopoldo Silva
- Methods of planting and irrigation at various levels of nitrogen affect the seed yield and water use efficiency in transplanted oilseed rape (*Brassica napus* L.). G.S. Buttar, H.S. Thind and M.S. Aujla
- Water and salt balance studies, using SaltMod, to improve subsurface drainage design in the Konya–Çumra Plain, Turkey. İdris Bahçeci, Nazmi Dinç, Ali Fuat Tan, Ahmet İ. Açar and Bülent Sönmez
- The auto-regulative capability of pitcher irrigation system. Majed M. Abu-Zreig, Yukuo Abe and Hiroko Isoda
- Assessment of irrigation and nutrient effects on growth, yield and water use efficiency of Indian mustard (*Brassica juncea*) in central India. K.G. Mandal, K.M. Hati, A.K. Misra and K.K. Bandyopadhyay
- Water use and lint yield response of drip irrigated cotton to the length of irrigation season. Fadi Karam, Rafic Lahoud, Randa Masaad, André Daccache, Oussama Mounzer and Youssef Roupael
- Estimating variable acreage of cultivated paddy fields from preceding precipitation in a tropical watershed utilizing Landsat TM/ETM. Natsuki Yoshikawa and Sho Shiozawa
- Peach orchard evapotranspiration in a sandy soil: Comparison between eddy covariance measurements and estimates by the FAO 56 approach. T.A. Paço, M.I. Ferreira and N. Conceição
- Application of a simulation based optimization model for winter wheat irrigation scheduling in North China. Songhao Shang and Xiaomin Mao

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- Plagiarism, Copyright Violation, and Dual Publication: Are you guilty? Mary P. Anderson
- Principles of Environmental Geochemistry. Lisa L. Stillings
- Electrical Resistance Sensors Record Spring Flow Timing, Grand Canyon, Arizona. Eric A. Adams, Stephen A. Monroe, Abraham E. Springer, Kyle W. Blasch, Donald J. Bills
- A Mechanism for Anomalous Decline in Radon Precursory to an Earthquake. M.C. Tom Kuo, K. Fan, H. Kuo Chen, W. Chen
- Modeling Effects of Multinode Wells on Solute Transport. Leonard F. Konikow, George Z. Hornberger

- An Assessment of Aquifer Storage Recovery Using Ground Water Flow Models. Christopher S. Lowry, Mary P. Anderson
- The Influence of Well Hydraulics on the Spatial Distribution of Well Incrustations. Georg J. Houben
- A New Method to Characterize Hydraulic Short-Circuits in Defective Borehole Seals. R. Chesnaux, R.P. Chapuis, J.W. Molson
- Containment Criterion for Contaminant Isolation by Cutoff Walls. Christopher J. Neville, Charles B. Andrews
- Influence of Small-Scale Heterogeneities on Contaminant Transport in Fractured Crystalline Rock. Ralph Mettler, Georg Kosakowski, Olaf Kolditz
- Estimating Background and Threshold Nitrate Concentrations Using Probability Graphs. S.V. Panno, W.R. Kelly, A.T. Martinsek, K.C. Hackley
- Developing a Long-Term Monitoring Network Under Uncertain Flowpaths. Ahmed E. Hassan
- Local Hydraulic Gradient Estimator Analysis of Long-Term Monitoring Networks. Sean A. McKenna, Arun Wahi
- Well Vulnerability: A Quantitative Approach for Source Water Protection. E.O. Frind, J.W. Molson, D.L. Rudolph
- General Database for Ground Water Site Information. Jean-Raynald de Dreuzy, Jacques Bodin, Hervé Le Grand, Philippe Davy, Damien Boulanger, Annick Battais, Olivier Bour, Philippe Gouze, Gilles Porel
- Determining Anisotropic Transmissivity Using a Simplified Papadopulos Method. Victor M. Heilweil, Paul A. Hsieh
- Miniaturization of the Flowing Fluid Electric Conductivity Logging Technique. Grace W. Su, Nigel W.T. Quinn, Paul J. Cook, William Shipp
- A Real-Time, Interactive Steering Environment for Integrated Ground Water Modeling. Shu-Guang Li, Qun Liu
- A Visual Basic Spreadsheet Macro for Recession Curve Analysis. Kristijan Posavec, Andrea Bačani, Zoran Nakić
- Friedrich Schwiller: An Historical Appreciation. Richard E. Jackson

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- Artificial neural networks and high and low flows in various climate regimes. Dionysia Panagoulia
- Adaptive neural-based fuzzy inference system (ANFIS) approach for modelling hydrological time series. M. Erol Keskin, Dilek Taylan & A-zlem Terzi
- Using support vector machines for long-term discharge prediction. Jian-Yi Lin, Chun-Tian Cheng & Kwok-Wing Chau
- Estimation of rainfall elasticity of streamflow in Australia. Francis H.S. Chiew
- Analytical solution of transient flow in a sloping soil layer with recharge. Evangelos Akylas, Antonis D. Koussis & Athanasios N. Yannacopoulos
- Streamflow predictability in the Saskatchewan/Nelson River basin given macroscale estimates of the initial soil moisture status. Aaron A. Berg & Kathleen A. Mulroy
- Estimating land cover effects on evapotranspiration with remote sensing: a case study in the Ethiopian Rift Valley. Paolo Billi & Francesca Caparrini

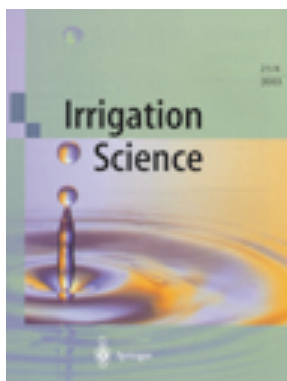
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- Radially convergent groundwater flow in sloping terrain. Roy B. Leipnik & Hugo A. Loaiciga
- Approche hydrogéologique et hydrochimique des échanges hydrodynamiques entre aquifères profond et superficiel du bassin du Djérid, Tunisie. Samir Kamel, Lassaad Dassi & Kamel Zouari

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- Historical hydrology for studying flood risk in Europe. Rudolf Brázdil, Zbigniew W. Kundzewicz & Gerardo Benito
- Study of historical flood events on Spanish rivers using documentary data. Mariano Barriandos & Fernando S. Rodrigo
- Flood history of the Danube tributaries Lech and Isar in the Alpine foreland of Germany. O. Böhm & K.-F. Wetzel
- Trends in flood risk of the River Werra (Germany) over the past 500 years. Manfred Mudelsee, Mathias Deutsch, Michael Börngen & Gerd Tetzlaff
- Measuring the frequency and intensity of floods of the Traun River (Upper Austria), 1441-1574. Christian Rohr
- The catastrophic floods of AD 1617 in Catalonia (northeast Spain) and their climatic context. Varyl Robert Thorndycraft, Mariano Barriandos, Gerardo Benito, Mayte Rico & Angeles Casas
- Flood events in the southwestern Netherlands and coastal Belgium, 1400-1953. Adriaan M.J. de Kraker
- Atmospheric circulation dynamics linked with prominent discharge events in Central Europe. Jucundus Jacobeit, Andreas Philipp & Matthias Nonnenmacher

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- Net changes of main ions in the soil profile of irrigated field plots in central Spain. Ángel Bustos, Rafael Caballero and Roman Roman
- The effect of water salinity on growth and physiological stages of eight Canola (*Brassica napus*) cultivars. Seyed Hamid Ahmadi and Janebollah Niazi Ardekani
- Variable upper and lower crop water stress index baselines for corn and soybean. J. O. Payero and S. Irmak
- Real-time prediction of soil infiltration characteristics for the management of furrow irrigation. Kanya L. Khatri and R. J. Smith

- Impact of crop rotation and minimum tillage on water use efficiency of irrigated cotton in a Vertisol. S. B. Tennakoon and N. R. Hulugalle
- Irrigation scheduling of plastic greenhouse vegetable crops based on historical weather data. Santiago Bonachela, Alicia María González and María Dolores Fernández
- A new stochastic optimization model for deficit irrigation. A. Ganji, K. Ponnambalam, D. Khalili and M. Karamouz
- A simulation study of comparison of the evaluation procedures for three irrigation methods. L. Mateos

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- Incorporating Realism into Senior Design. Vincent P. Drnevich
- Polychromatic UV Fluence Measurement Using Chemical Actinometry, Biodosimetry, and Mathematical Techniques. Shanshan Jin, Alexander A. Mofidi, and Karl G. Linden
- Chromium Redox Chemistry in Drinking Water Systems. Han Lai and Laurie S. McNeill
- Dynamic Characteristics of Particle Size Distribution in Highway Runoff: Implications for Settling Tank Design. Yingxia Li, Sim-Lin Lau, Masoud Kayhanian, and Michael K. Stenstrom
- Use of Boron as a Tracer for Recycled Water in Brackish Aquifers. Roger Babcock, Jr., Bin Lin, and Steven Spengler
- Deterministic-Based Model of Slow Sand Filtration. I: Model Development. Luiza C. Campos, Stephen R. Smith, and Nigel J. D. Graham
- Deterministic-Based Model of Slow Sand Filtration. II: Model Application. Luiza C. Campos, Stephen R. Smith, and Nigel J. D. Graham
- Sludge Blanket Height and Flow Pattern in UASB Reactors: Temperature Effects. Kripa Shankar Singh, Thiruvankatachari Viraraghavan, and Debraj Bhattacharyya
- Organic Hazardous Substances in Graywater from Swedish Households. Helena Almqvist and Jörgen Hanæus
- Microbial Adaptability to Organic Loading Changes in an Enhanced Biological Phosphorus Removal Process. Chang Hoon Ahn, Jae Kwang Park, and Kwang Soo Kim
- Measured and Predicted Herbicide Removal by Mulch. Xinjiang Huang, Arash Massoudieh, and Thomas M. Young
- Vapor Leak Detection for an Underground Storage Tank System. Michael J. Pyzocha, Roger Lui, and Robert W. Thompson
- Removal of Immiscible Contaminants from Sandy Soils Monitored by Means of Dielectric Measurements. Víctor A. Rinaldi and Franco M. Francisca

- Modeling Substrate Interactions during Aerobic Biodegradation of Mixtures of Vinyl Chloride and Ethene. Essyllt Louarn, Federico Aulenta, Caterina Levantesi, Mauro Majone, and Valter Tandoi
- Mechanical Properties and Environmental Assessment of Mortars Containing Metallic Oxides. Isabel López, Iñaki Fernández Olmo, and Angel Irabien
- Zirconia-Supported Copper Oxide—A Catalyst for Removal of Vehicular Exhaust Gas Pollutants. Anil Kumar Sharma
- Effect of Pressure Fluctuations on the Quality of Fluidization and on the Generation of Particulate Matters during Incineration. Chiou-Liang Lin, Ming-Yen Wey, and Han-Tsung Cheng

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- Prions: Novel Pathogens of Environmental Concern? Joel A. Pedersen, Katherine D. McMahon, and Craig H. Benson
- Initial Alkalinity Requirement and Effect of Alkalinity Sources in Sulfur-Based Autotrophic Denitrification Barrier System. Hee Sun Moon, Kyoungphile Nam, and Jae Young Kim
- Three-Dimensional Modeling for Estimation of Hydraulic Retention Time in a Reservoir. Matthew G. Kennedy, David P. Ahlfeld, David P. Schmidt, and John E. Tobiason
- Estimating Pollutant Mass Accumulation on Highways during Dry Periods. Lee-Hyung Kim, Kyung-Duk Zoh, Sang-man Jeong, Masoud Kayhanian, and Michael K. Stenstrom
- Effect of Metallic Iron Concentration on End-Product Distribution during Metallic Iron-Assisted Autotrophic Denitrification. Amit Lavania and Purnendu Bose
- Effect of Ozone on Filamentous Bulking in a Laboratory Scale Activated Sludge Reactor Using Respirometry and INT-Dehydrogenase Activity. Alejandro Caravelli, Leda Giannuzzi, and Noemí Zaritzky
- Modeling Water Movement and Flux from Membrane Pervaporation Systems for Wastewater Microirrigation. Edgar Quiñones-Bolaños and Hongde Zhou
- Activated Sludge Process Modification for Sludge Yield Reduction Using Pulp and Paper Wastewater. Talat Mahmood and Allan Elliott
- Emission of Polycyclic Aromatic Hydrocarbons on the Combustion of Liquid Crystal Display Components. Yi-Chi Chien and Pai-Haung Shih
- Storm Water Detention Ponds: Modeling Heavy Metal Removal by Plant Species and Sediments. Jeffrey D. Weiss, Miki Hondzo, and Michael Semmens
- Cyclodextrin-Enhanced Electrokinetic Remediation of Soils Contaminated with 2,4-Dinitrotoluene. Amid P. Khodadoust, Krishna R. Reddy, and Omprasad Narla
- Jackson River Modeling: 50-Year Perspective. Andrew J. Thuman, Thomas W. Gallagher, and Timothy M. Morse
- Contrasting the Benefits of Primary Clarification versus Prefermentation in Activated Sludge Biological Nutrient Removal Systems. Terrence Michael McCue, Andrew Amis Randall, and F. Gulen Eremektar
- Development of a Response Surface for Prediction of Nitrate Removal in Sulfur–Limestone Autotrophic Denitrification Fixed-Bed Reactors. Tian C. Zhang and Hui Zeng
- Simultaneous Removal of Phenol and Nitrate in an Anaerobic Bioreactor. Jian-Hang Zhu, Jin-Ping Lin, Bao Zhang, Xi-Luan Yan, and Zan-Guo Peng
- Comparative Absorption of Crude Oil from Fresh and Marine Water Using Recycled Rubber. F. A. Aisien, F. K. Hymore, and R. O. Ebebele

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- Nanotechnology in the Environment—The Good, the Bad, and the Ugly. Pedro J. Alvarez

- Density and Activity Characterization of Activated Sludge Floccs. K. Sears, J. E. Alleman, J. L. Barnard, and J. A. Oleszkiewicz
- Comparison of Crop Contamination by Microorganisms during Subsurface Drip and Furrow Irrigation. Inhong Song, Scott W. Stine, Christopher Y. Choi, and Charles P. Gerba
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- EDTA-Enhanced Washing for Remediation of Pb- and/or Zn-Contaminated Soils. Weihua Zhang and Irene M. C. Lo
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- Nitrogen Transformations during Soil–Aquifer Treatment of Wastewater Effluent—Oxygen Effects in Field Studies. Jennifer H. Miller, Wendell P. Ela, Kevin E. Lansey, Peter L. Chipello, and Robert G. Arnold
- Experimental Data and Theoretical Analysis of Particle Removal Efficiency in a Novel Hydraulic Separation Unit. Jean F. Krou, James F. Fox, and Steve Safferman
- Analytical Urban Storm Water Quality Models Based on Pollutant Buildup and Washoff Processes. Jieyun Chen and Barry J. Adams
- Evaluation of Sludge Yield and Phosphorus Removal in a Cannibal Solids Reduction Process. Ramesh K. Goel and Daniel R. Noguera
- Attachment of Fecal Indicator Bacteria to Particles in the Neuse River Estuary, N.C. J. Stephen Fries, Gregory W. Characklis, and Rachel T. Noble
- Design Factors Affecting the Flow of Water through Below-Ground Concrete Vaults. Robert W. Rice and John C. Walton
- Using UCS as a Surrogate Performance Standard at the NCSU NPL Site. David E. Schaad, James M. Halley, and Scott A. Wilson
- Long-Term Dynamic Modeling Approach to Quantifying Attached Algal Growth and Associated Impacts on Dissolved Oxygen in the Lower Truckee River, Nevada. Suzanne M. Kish, Justin Bartlett, John J. Warwick, Alan McKay, and Chris Fritsen
- Analytic Solution on Critical Suspended Particle Size and Minimum Collection Efficiency in Deep Bed Filtration. Chang H. Jung and K. W. Lee

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- Mean Flow and Turbulence Structure in Vertical Slot Fishways. Minnan Liu, Nallamuthu Rajaratnam, and David Z. Zhu
- Modeling Ventilation Phenomenon in Sanitary Sewer Systems: A System Theoretic Approach. S. Edwini-Bonsu and P. M. Steffler
- Dynamics of Air Flow in Sewer Conduit Headspace. S. Edwini-Bonsu and P. M. Steffler
- Godunov-Type Solutions for Transient Flows in Sewers. Arturo S. León, Mohamed S. Ghidaoui, Arthur R. Schmidt, and Marcelo H. García
- Frazil Ice Blockage of Water Intakes in the Great Lakes. Steven F. Daly and Robert Ettema
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- Multilayer Averaged and Moment Equations for One-Dimensional Open-Channel Flows. Cenling Xia and Yee-Chung Jin
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- Experimental Study and 3D Numerical Simulations for a Free-Overflow Spillway. Bijan Dargahi
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- Optimal Layout of Sewer Systems: A Deterministic versus a Stochastic Model. A. Freire Diogo and Victor M. Graveto
- Range of Validity of the Transient Damping Leakage Detection Method. W. Nixon, M. S. Ghidaoui, and A. A. Kolyshkin
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- Fuzzy Logic Model for Equilibrium Scour Downstream of a Dam's Vertical Gate. Ali Uyumaz, Abdüsselam Altunkaynak, and Mehmet Özger
- Statistical Modeling of the Serviceability of Sewage Pumps. Hans Korving, François H. L. R. Clemens, and Jan M. van Noortwijk
- Hydrodynamic Behavior of Asymmetric Oscillatory Boundary Layers at Low Reynolds Numbers. Ahmad Sana, Hitoshi Tanaka, Hiroto Yamaji, and Ikuo Kawamura
- Explicit Formulation of the Shields Diagram for Incipient Motion of Sediment. Zhixian Cao, Gareth Pender, and Jian Meng
- Experimental Investigation of Clear-Water Local Scour at Pile Groups. B. Ataie-Ashtiani and A. A. Beheshti
- Nodal Point Relation for the Distribution of Sediments at Channel Bifurcation. G. M. Tarekul Islam, M. R. Kabir, and Ainun Nishat
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- Experimental analysis of the impact of dry avalanches on structures and implication for debris flows. Barbara Zanuttigh And Alberto Lamberti
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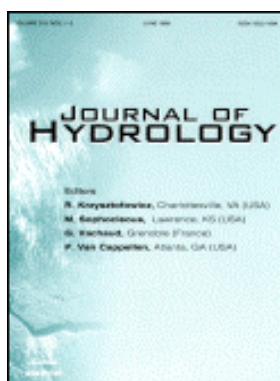
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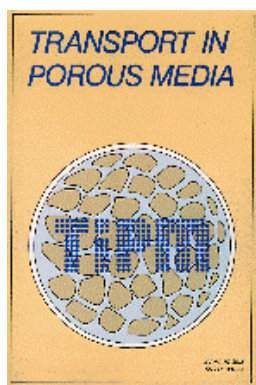
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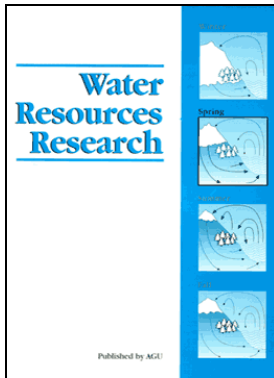
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