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Modeling Links Between Hydrology and Irrigated Soil Salinity in a Data Sparse Environment, Inner Mongolia, China

Benjamin Runkle, Xu Liang, Fanghua Hao, Yong Yue, Peng Li

Theme 3

Modelling technique in water resources planning and management

Enhancements of the Simulation Library ILM-River for an Integrated Water Resources Management

Torsten Pfuetzenreuter, Thomas Rauschenbach

STREAMFLOW FORECASTING USING NEURO-FUZZY INFERENCE SYSTEM

UMAMAHESH V. NANDURI, PRAKASH C. SWAIN

Appropriate hydrological scales to achieve output uncertainty goals

Martijn J. Booij, Charles S. Melching

A New Method for Modeling Flow Duration Curves and Predicting Streamflow Regimes under Altered Land Use Conditions

Quanxi Shao, Lu Zhang, Yongqin David Chen

Reservoir risk operation based on watershed modeling uncertainty estimation

Wu Xin-yu, Cheng Chun-tian¹, K.W.Chau

Passive Microwave Remote Sensing of Snow Depth Estimation over Iran Using Chang and Rott Algorithms

A.A. Matkan

Climate Change Impacts on Snow and Glaciers of the Hindu Kush-Himalayas: challenges of managing increasing catastrophic floods and decreasing lean flows in the Himalayas.

Suresh Raj Chalise, HKH-FRIEND

Distributed Modeling and Analysis for Regional Water Resource Vulnerability Assessment

F. Benjamin Zhan, Guangyu Wu

Study on the model of dynamic simulation of water resources' sustainable utilization on the regional scale

Liu dan, Ji changming, Mei yadong

Study of the hierarchical strategies and management for ecological water demand in arid inland river basins in northwest China

Li Zongli, Feng Qi, Shen Qinglin

Studying and Application for Facing the Integration Method of the Flood Control Decision Subject

Liang Guo-hua, Peng-hui, Wang Guo-li

Framework of Data Integration on Hydrology and Water Resources

PING AI, XI CHEN

Study on the indicators system and the model of comprehensive evaluation of the regional sustainable utilization of water resources

Liu dan, Ji changming, Mei yadong

Study on a grid-based rainfall-runoff model and its hydrological modeling uncertainty by initial soil water content

Jintao Liu, Xi Chen, Jie Feng

Intelligent Forecasting Mode and Approach of Mid and Long Term Intelligent Hydrological Forecasting

Guo yu, Chen Shouyu

Use of Fuzzy Programming Decision model for Pollution Control System of Water Environment

Guo yu , Chen Shouyu

Application in Manas river valley of distributed hydrological model on the basis of DPLSR model for Urban water demand prediction basing on uncertainty analyses

Hu Dexiu, Zhou Xiaode

Multi-person Multiobjective Fuzzy Risk Decision-Making Model for Supply Water

Shao Dong-guo, Liu Tao

Small-watershed Information System and Its application in Liaoning On the optimal models of the water distribution networks of field in the mixed irrigation districts in arid inland river basins in northwest China

Li Zongli, Shen Qinglin, Feng Qi

Simulation and optimization of basin water resources system analysis

Zou yanfen, Wei xiaoping

Assessment of the Impact of Forestry Planting on Low Flows in the Shag River Catchment, New Zealand, Using the Topnet Model

Zhijia (Harry) He, Ross Woods

Research on GRID-based Dynamic Water Balance Model of Jin River Basin

ZENG Weihua, SUN Qiang, YANG Zhifeng

Natural Renewability Assessment of Water Resources of Jin River Basin based on GRID Hydrological Cell

ZENG Weihua, SUN Qiang, YANG Zhifeng

Evaluation of Artificial Neural Networks in Forecasting Short-term and Mid-term Streamflows

Saeid Morid, Saeid Soltani

An integrated fuzzy and grey model for groundwater quality assessment in Zhangji well field

Yong LIU, Jiazhong QIAN, Ruzhong LI, Jiaquan WANG

A New Algorithm for Long-term Optimal Operation of Cascade Multipurpose Reservoirs Group

Yadong Mei, Ying Xiong

Studying on Method for Evaluating Environmental Carrying Capacity of Ground Water

Baohui Men, Changming Liu, Jun Xia

Conjunctive Use of AVSWAT and ORYZA2000 Model to Study the Scale Effect of Water Productivity for Rice in Small Watershed of Irrigation System in South-China

Dai Jun-feng, Cui Yuan-lai, Li Ya-long, Dong Bin, Cai Xue-liang

Game Analysis of Water Rights Transaction in Optimizing Allocation of Water Resources

Feng Wenqi

THE CONSTRUCTION OF BASIN RUNOFF GENERATION MODEL WITH CONSIDERATION ON HUMAN ACTIVITIES

Xiaohui Lei, Hao Wang, Dayong QIN, Wei Bai

Use of unit source area and small watershed data for model calibration and assessment of downstream runoff and sediment response for a watershed in Southwestern Oklahoma, USA

Michael W. Van Liew¹, Patrick J. Starks¹ and Colleen H. Green²

A Distributed Time-Variant Gain Model applied to the Yangtze River

WANG MIAOLIN, XIA JUN

Reasonable Allocation and Dispatching Model Of Water Resource System for Bao'an District, Shenzhen City

Wang Dezhi, Dongzengchuan, Ding Shengxiang

The optimal planning mathematical model and application of water saving irrigation engineering in the arid region

Bai Dan, Wang Quanjiu

Simulation of rainfall-runoff process by artificial neural networks and HEC-HMS model (case study Zard river basin)

Mehrdad Akbarpour

Research on Application of SD-MOP integrated Model in Water Resource planning--A Case Study of Tianjin city

Zhang Hong-wei, ZHANG Xue-hua, Guo Huai-cheng, ZHANG Bao-an

The Evolution Law of Water Resources in Weihe Basin Based on Distributed Hydrological Model

Zuhao zhou, Yaqin Qiu, Yangwen Jia, Hao Wang, Denghua Yan, Xiang Yuluo, Jiahua Wang

Stochastic space-time regional rainfall modeling adapted to historical rain gauge data

Zepu Zhang

Application of Multi-objective optimization for water supply system decision support

Lijie Cui and George Kuczera

Water Quality Classification Model: The Bagmati River in Kathmandu Valley, Nepal

Bandana Pradhan

Effects of Vegetations on Infiltration Processes and Soil Water Contents in Taihang Mt.

LI Fadong, SONG Xianfang, TANG Changyuan, LIU Changmin, ZHANG Wanjun, SAKURA Yasuo

Operating rules optimization for multipurpose water-supply reservoir

Yunqing Wu, Zhengjie Yin

A comprehensive benefit evaluation for Xiangjiang river basin treatment

Yunqing Wu

Integrated Statistical Prediction of Monthly Runoff for Reservoir Inflows

Zhongmin LIANG, Rong DAI, Chengtao ZHU

Socioeconomic Developing Modes and Water Demand Prediction in Pearl River Delta

ZHANG Zhen-lin, CHEN Xiao-hong

Application of a New Flood Stochastic Simulation Model Developed by a Russian Hydrologist in the Basin of Qiantang River

CHEN Yuan-fang, CHEN Guo-xin, WANG Wen-peng, LI Shu-jian, CHEN Ao-mi

Long-Term Prediction for the Annual Highest Tide Stage at Huangpu Park in Shanghai

CHEN Yuan-fang, CHEN Qi-xin, GE Zhao-xia, GU Sheng-hua, WANG Qing-rong, LI Shu-jian

Effect of Urbanization on Evapotranspiration in Shenzhen, China

ZHENG Jing, SHI Pei-Jun

Analysis of the effect of two dominant vegetation covers on the hydrological course in slope plots in Mountain area in North China

HU Kun, YU Jingjie, SONG Xianfang, LI Fadong, ZHANG Guangying

Methodology for Evaluating Community Vulnerability Related to Flood Mitigation Planning

Yi Ge, Peijun Shi, Jing Liu, Feng Xie, Tao Ye

Simulation of Groundwater Flow in Fractured Media

Guoying PAN, Fuping ZHONG, Di GAO

Application of Hydrologic models in Sanchuanhe River Basin of the Loess Plateau

Guoqing Wang

The Application of AFOSM Method on Reliability Analysis in evaluation of the Groundwater Allowable Withdrawal

Liu Pei-gui, Shu Long-cang, Basil Iro Ongor

Early Warning and Prediction of Flood Abnormalities for Improved Public Safety using A Modified Adaptive Neuro-Fuzzy Inference System

Muhammad Aqil, Ichiro Kita, Akira Yano, Soichi Nishiyama

Determining quick groundwater artificial recharge method and recharge zones based on numerical model and optimization method (Jining, China)

LIU Bo, SHU Long-cang, SUN Qing-yi

Urban Planning and Springs Conservation in Jinan City, China

Xing Liting, Kang Fengxin, Ma zhenmin

Study on the Sensitivity of Groundwater Environment under the Influence of Human Activity

MA Zhen-min, Wang Wei-ping, Xing Li-ting

Study and Application of Two-Dimensional Layered Flow Model in Wind-Driven Current Modeling of Reservoir

Wang Haixia, Huang ping, Zhang Mingliang

GRID BASED RAINFALL - RUNOFF MODELING USING REMOTE SENSING AND GIS

S. SARAVANAN, B.SAKTHIVEL

Augmenting groundwater recharge from traditional water harvesting practices in semi-arid regions: Case study from Alwar, Rajasthan, India

Shrinivas Badiger

The Characteristic of *Panicum repens* on Water and Soil Conservation and Its Application on

Water Fluctuation Belt at the Reservoirs in Southern China

FANG Hua, LIN Jian-ping, MO Jiang-ming

A multi-objectives and semi-structural consolidation assessment method

Li Qingguo, Chen shouyu

The New Lerma Chapala Basin Surface Water Agreement: an step forward to the Integrated Water Resources Management of Mexico

Felipe I. Arreguin, Mario López-Pérez, Manuel Rafael Rosales-González

THE MEXICAN WATER MANAGEMENT MODERNIZATION PROGRAM: EIGHT YEAR EVALUATION AND PERSPECTIVES

Mario López-Pérez, Felipe I. Arreguin

Relationships between three dispersion measures used in Flood Frequency Analysis

I. MARKIEWICZ, W. G. STRUPCZEWSKI, K. KOCHANEK, V. P. SINHG

Three Gorges Reservoir's Flood Season Staged Based On Fractal Theory

DONG Qian-jin, Wang Xian-jia

Application of continuous ant colony optimization algorithm to parameter calibration of hydrology model

Jiang Hai, Huang Jie-sheng

The spatial and temporal variability of soil moisture on grasslands on the Loess Plateau of China

PAN Chengzhong, SHANGGUAN Zhouping

Methods for System Programming of South-to-North Water Transfer Project in China

SHAO Dongguo, WU Yuting

Flood Prevention Paradigm for a Sustainable Society

Leow Meng Chew

Flood risk in Asia – observations and predictions

Professor Zbigniew W. Kundzewicz

Soil moisture dynamic characteristics of Well-irrigation areas in Beijing Plain under comparatively deep groundwater table conditions

Shi-jun Sun, Yao-yuan Ding

Study on Evapotranspiration of Typical vegetation Communities in Taihang Mountains, China

Yang Fan

Evaluation of country water resources by a distributed global water balance model:

A case study in Asia developing countries

Lebing Gong, Elin Widén, Chong-yu Xu, Sven Halldin

Estimation of evapotranspiration using Three-Temperatures Model (3T model)

Guo Yu Qiu

Using a Linked Tidal Prism and Watershed Modeling System to Support Management of Bacterial Sources for Coastal Embayments in the Chesapeake Bay

Jian Shen

Experimental Studies on Soil Moisture and Photosynthesis of Fruit Tree by Using Super Absorbent Polymers

HAN Yu-guo, YANG Pei-ling, REN Shu-mei, XU Lei, LIU Hong-lu , BI Yong-gang

Determination the Regional Relations of Floods in West of Mazandaran

M.O.Hadiani, M.Mohseni Saravi, A.Telvari

Modelling and Predicting the Unsaturated Hydraulic Transport Properties with a New Characteristic Model

Y. Wang, S.M. Grove, L.F. Liu

The Integrated Use of Ground and Surface Water in Coastal Water-Absence Irrigation Region

Gao Yufang, Zhang Zhanyu

The Application of MAF Model for Flood Analysis On Upstream Citarum River Basin, West Java, Indonesia

Joesron Loebis

Application of Artificial Neural Networks to Modeling Flood Forecast

Li Ya-jiao, Shen Bing, Li Zhi-lu

Allocation model of urban Multi-water resources for Multi-user and its application

Yan Han, Shiguo Xu

Measuring sustainable development of water resources with Aquatic Ecological Footprint in Guangzhou Based on ARIMA model

Hu Yonghong

Neural network groundwater table Prediction model based on Levenberg -Marquardt Algorithm

Zhao xinyu, Fei liangjun, Fang shuxing

A Simple Method for Simulation of Flood Submerging Range based on GIS

Wei Bai, Xiaohui Lei

Debris flow Investigation and Assessment in Panxi Area based on 3S technique

ZHANG Bao-lei, ZHOU Wan-cun

A Simple Regional Evapotranspiration Model by Weather and Field Data

Wu Xianing Hu Tiesong Wang Xiugui Jiang Yan Yin zhengjie

Study on Control Model of Optimal Allocation of Regional Water Resources

Sun Cuiqing

The Study of time dependent boundary model of unconstant well flow in unconfined aquifer ground water flow due to hydrodynamic lag

Lu yudong, Li peicheng

A New Runoff Generation Model of a Basin Based on Physics Mechanism

LI Xu-guang, WANG Ben-de

Evaluating the effects of land use changes on catchment hydrology by a modified Xin'anjiang eco-hydrological model

FEI YUAN, LILIANG REN & ZHONGBO YU

Research on Flood Water Resources Utilization of River Networks in littoral Area of South China

Ding Tao, Lou Yue-ping, Ma Xiao-bing

The establishment of evolvement model of saltwater intrusion based on GIS in Pearl River estuary, South China

Li-gang FANG, Shui-sen CHEN, Hongli LI, Li-xin Zhang

Study on Flood Operation Model of Xiaoqing River Basin

Cuisong Yu, Zhenchun Hao

The use of Eigenvalues of reservoir bottom sediment particle diameter for determining the hydraulic conductivity and Estimating the leakage loss of the Beitang Reservoir

Shu Longcang, Li Wei, Basil Iro Ong'or, Wang Maomei, Tao Yufei, Liu Lihong, Zhen Li, Lu Chengpeng

Analysis of Durative Drought Based upon Accumulated Aridity Index

Rong Yanshu, Yu Jinhua, Tu Qipu

Groundwater recharge from precipitation in agricultural field in the piedmont region of the Taihang Mountains

Yonghui Yang, Xiyang Zhang, Xiaohua Hao

Study on Flood Prevention and Disaster Reduction Decision Support System in Xiu River, China

YANG TAO, Liang Zhong-ming, Dong Zeng-chuan, Li Zhi-jia

Use of Variable Fuzzy Sets Methods for Desertification Evaluation

Wu Li, Guo Yu, Chen Shouyu, Zhou Huicheng

Mid- and long term hydrologic forecasting of drainage area based on wavelet neural network and fuzzy optimization model

Zhou Huicheng , Wu li, Chen Shouyu

Study on the Application of WPI in Assessment of Water Security of Main Basins in China

Xiaoni WANG, Xiang ZHANG, Xiongrui YIN

Theory and Application of Urban Water Ecosystem Carrying Capacity

Shao Dongguo, Liu wuyi

The research of improving water resources security by floodwater utilization

Liu Jianwei, Xu Shiguo

An AHP-Based Fuzzy Evaluation Approach to Sustainable Resources Management

HUANG Jian-wen, ZHOU Yi-hong

Comprehensive Evaluation Method for Groundwater Resources Carrying Capacity

CHEN Shou-yu, HU Ji-min, Kou Zong-wu, Liu Yong-hong

Water Heterogeneity Monitoring using Remotely Sensed Imagery in Hunan Province, China

Dengkui Mo, Lin Hui , Guozhen Zhang

Change on Water Circulation Mode Affected by Water Resource Development in Shiyang River Basin

Qian Yunping, Gao Yajun, Jiang Xiuhua

Review on Numerical Models of the movement of unsaturated soil-water

Hou Xiandong

Study on the Model of Irrigation and Water consuming of soil water Reservoir in Point Source infiltration under Film Hole irrigation

MUHong-wen

Study on Numerical Simulation of Jet in Coflowing Ambient

WEI Xiao-hua, LUO Wen-sheng , HUAI Wen-xin

Non-point Sourced Water Pollution and the Protection—— A Case Study in Guangdong Province

LIU Zufa, JIANG Tao, CHEN Xiaohong, Yu Haixia, LIN Wenjie

Countermeasures of Agricultural Non Point Source Pollution in Taihu Lake Basin

Wang Jianguo, Qian Xin, Qian Yu, Wang Qingeng, Zhou Bin, Gu Liang

Evaluation of the uncertainties resulted from using six hydrological models in assessing hydrological impact of climate change in the Dongjiang Basin, South China

Tao Jiang, Yongqin David Chen, Chongyu Xu, Xiaohong Chen, Xi Chen

Flood Frequencies Analysis Transformed Model for Small Sample
DONG Jie, TIAN Wei-jun

Flood Utilization Integrated Risk Evaluation Model Based On D-S Evidence Theory
Qianjin Dong

The study of Nokandeh dam in Golestan state in flood control using HEC-HMS model
M.Nourali, A.Najafinejad

A new empirical model for monthly reference crop evapotranspiration estimating in zhalong wetland
Haiwang, shiguo, Leshi Sun, Yingfei Liu

Theme 4

Management of Water environment

**HYDROLOGY FOR ENVIRONMENTAL WATER ALLOCATION IN RIVER BASINS:
GLOBAL PERSPECTIVE AND ASIAN CASE STUDIES**
V. U Smakhtin

Quantification of Ecological Water
Xiaohua Wei

**MODELING OF WATER QUALITY WITH THE AID OF GENERALIZATION OF P.
TCHEBYSHEFF'S INEQUALITY AND CORRECTED A. KOLMOGOROV'S ESTIMATION**
Nikolay V Sokolov

Hydrochemical Analysis and the Main Processes Influencing the Groundwater Chemistry of Mabul Island
Ahmad Zaharin ARIS & Mohd Harun ABDULLAH

Optimal Design of Seasonal Flood Control Level Using Multi-objective Genetic Algorithm
Pan Liu, Shenglian Guo

Identification and Strategy of River Water Quality Development Supporting Clean City Water Supply in Indonesia
RATNA HIDAYAT, WATI A PRANOTO

Approaches Used to Build Environmental Sustainability in Water Resource Management: Setting Targets and Defining Principles

Mark Bain

Conflicts and Opportunities in Integrated Water Resources Management: Two case studies

Daniel P. Loucks

ARMS (Aquatic Real-time Management System) : A decision support system for aquatic resources integrating data and modelling

Jose R. Romero, Farhad Fozdar

GIS-based vulnerability analysis of floods

HSIANG-TE KUNG, XIANG LI, YONGQIN DAVID CHEN

NITRIFICATION BEHAVIOR OF HIGH-STRENGTH AMMONIUM UNDER INTEGRATED AND SUBMERGED MEMBRANE BIOREACTOR

DING YUANHONG, REN HONGQIANG, LING YUN

Pharmaceutical Wastewater Pollution and its Countermeasures to Take

DING YUANHONG, REN HONGQIANG

Environmental Improvement in Reclaimed Land of Coastal Area and Analysis on System of Rainwater Utilization

Shi-guo XU, Lin-lin LI

The results of the pilot plant study to remove arsenic from Groundwater

Md. Hamidur Rahman

Arsenic Pollution in Groundwater of Bangladesh

Md. Hamidur Rahman, Hiroaki Ishiga

Spatial variation of atrazine sorption properties in soils

Dan-rong ZHANG, Yi-qing GUAN, Xi CHEN

LAKE PLUIT REVITALIZATION

Agung Bagiawan

Social Boundaries, Cultural Factors and the Use of Arsenic Free Safe Water Sources

Bilkis Begum, Tani Masakazu

Study Of The Waste Load Dispersion In Songkhla Lake By Simulation Model Method

Winai Sae Chew

Assessment of surface water and groundwater using water quality index (WQI) in industrial estate --A case study

Syeda Azeem Unnisa, A. V. S. Prabhakar Rao

Particulate organic carbon and stable carbon isotope $\delta^{13}\text{C}$ of a small mountainous tributary of the Lower Pearl River, China

Shurong Zhang, Xi Xi Lu

Risk analysis of wastewater reclamation and reuse

Zhao Hong, W. L. Wei

Simulation and evaluation of pollution control strategies for Shenzhen River by coupling a system dynamic model with a water quality model

Huapeng QIN, Shouli HU, Fangfang JI

Reconstruction of Cities' Sewage Handling System and Realizing Hydrological Resource Sustainable Development in China

Lu-qiang Zhang

New Approach to Modification of Streeter—Phelps Model for Water Quality Research in Three Gorges Reservoir

Hui Peng, De-fu Liu, Hui-ming Peng

Index System for Assessment of River Health

yao Zhu

Vegetation changes in the lower reaches of Heihe river after its water import

Jianhua Si, Qi Feng, Xiaoyou Zhang, Yonghong Su, Yanwu Zhang

The social willing-to-pay for national water ecological protection in normal condition

Yuhai Lu

Study on Water Environmental Capacity and Total Pollutant Quantity Control of Bosten Lake

Jiake LI, Xiaode ZHOU, Chenghong FENG, Yajiao LI

Water Quality Forecast of Jiaozhou Bay

Xue-qing ZHANG, Ying-lan SUN

Application and Research Status of Amphiphytes in Ecological Restoration in the Water Fluctuation Belt Zone

Qifeng Fu, Subin Lin, Chen Li, Man Wang

Numerical modeling of heavy metal leaching from landfill Leachate on soil water environment pollution

Qiang Xue, Xia-ting Feng, Bing Liang

Characteristics of groundwater resources and water environmental problems in Anhui Province

Guo-qiang WANG, Can-can SHAN

The Spatial Distributions of Hydrochemistry of River, Groundwater and Lakes in Nanfei River Catchment, Anhui Province, P.R. China

Jiazhong Qian, Yintao Lu, Weidong Zhao, Tianqiu Hong, Changyuan Tang

Future trend analysis of wastewater reclamation and reuse in northwest typical cities with water shortage

Zhiqiang XU, Tinglin HUANG, Xiaochang WANG

PROBABILITY STUDIES FOR ASSESSMENT OF DISSOLVED OXYGEN PROFILES IN KRISHNA RIVER

Sekhar. M Chandra

A Swarm-intelligence Optimization for Flood Control Operation of Multi-reservoir System

Chonghao LI, Changming JI, Zhenlin ZHANG

Water Quality Classification Model: The Bagmati River in Kathmandu Valley, Nepal

Pradhan, PhD Bandana, Reza Yazdani Mohammad, AZimi Aliakbar

Investigation of Precipitation Droughts in Isfahan Province

Mohammad Reza Yazdani, Bahram Saghafian, Mohammad Hossein Mahdian

Modeling bioremediation of contaminated water with contaminant mass exchange between mobile fluid and stationary porous media

Itza Mendoza Sanchez

Effect of agricultural water use in the middle reaches on the eco-environment in the Heihe River Basin and countermeasures

Jing Chen, Jazila

Research on the Resistance of Terephthalic Acid in Wastewater from the Polyester Fabric Alkali Weight-Reduction Progress

Yangjun GAO, Danli XI, Ruifang QIU

DROUGHT ANALYSIS AND FORECASTING FOR AGRICULTURAL WATER MANAGEMENT IN AWASH RIVER BASIN, ETHIOPIA

Ch Desalegn, M. S Babel, A. Das Gupta

Water environment capacity in watershed scale: A case study in the Yong River system

BAOLIN SU, chengwen wang, Fei Yan, Shentong Cheng

Sediment Hazard by Typhoon Aere in the Shih-Men Reservoir Watershed

Su-Chin Chen, Lizhu Hou, Shaoyuan Feng, Huan Zhang, Yueyuan Ding

Water Quality of Urban Runoff from Different Rain Harvesting Surfaces

Lizhu Hou, Shaoyuan Feng, Yueyuan Ding

Rainfall-runoff relationship of porous pavement under the condition of artificial rainfall

Lizhu Hou, Shaoyuan Feng, Yueyuan Ding

The Problem of Saltwater intrusion in Pearl River Estuary, South China

Shui-sen Chen, Li-xin Zhang, Qin-huo Liu, Li-gang Fang

On Information System of Marine Oil Spill Contingency and Response

Deqi Xiong, Guoxiang Liao, Ming Xiao

Link the impacts of human activities on water quality and hydrology in river system of Poyang Lake watershed, China

Xiaoling Chen, Hui Li, Zhongyi Wu, Weijuan Fu, Ying Liu

Analysis and Research on Water Resources Carrying Capacity in Urban Area ——A Case Study of Shenzhen City

Junhe CHEN, Chunyuan HUANG, Manish Kumar, AL Ramanathan

Spatial distribution of Groundwater Chemistry in the Turpan Basin, West China

Kaisar Aji, Changyuan Tang, Yasuo Sakura, Akihiko Kondoh

DESIGN OF AN AQUATIC BIOMONITORING PROGRAMME USING THE WATERWAYS OF SHANGHAI AS A CASE STUDY

Stephan Valley, Valeria Meineri, Massimo Giani, Umberto Puppini

Ecological environmental evaluation of the Four-rivers Basin flood control project in Hunan Province

yi XIAO, dong-guo SHAO, yun-qing WU

A STUDY ON THE DRINKING WATER QUALITY OF BOREHOLE WELLS IN MOUNTAIN AREAS OF KANDY, SRI LANKA.

U. de S Jayawardena

The Adsorption and Desorption of Phosphate by Sediments in Natural and Constructed Wetlands in Hong Kong

Yuk Fo LAI, Kin Che LAM

The Calculation of river Ecological Flow for the Liao Basin

Minjian Chen, Huali Feng, Liqun Wang, Gaoxu Wang, Qingyong Chen

Optimizing the planning for ‘green space’ ecosystem based on ecological principles for small towns in China (Abstract)

Lingxian Zhang, Qing Liu, Nigel W Hall, Zetian Fu

Enhancement of a Turbulence Model for More Accurate Predictions of Salinity In a Stratified Estuary

Wenrui Huang

Application of QUAL2K model to simulate the water quality in Jiulong River

Weiping Wang, Huasheng Hongl, Yuzhen Zhang, Wenzhi Cao

Photodegradation of Sulfonylurea Herbicides in Aqueous Solutions under Natural Sunlight

John Headley, Jing-Long Du, Kerry Peru, Dena W McMartin, Jane Elliot, Allan J Cessna

Pretreatment of coking wastewater using anaerobic sequencing batch reactor (ASBR)

Bing LI, Yu-ying LI

The Effect of Trace Metal Elements on Coking Wastewater Treatment Using ASBR

Yu-ying LI, Xi-lai ZHENG, Bing LI

Research on Ecological and Environmental Water Demand and Sustainable Water Management of Region

Lianqing Xue, Zhenchun Hao

Rough Analysis on Water Quality and Pollutant factors under Unascertained information

Yi-feng WU, Lian-qinq XUE, Xi-wu LU

To control the polluted water. To raise the quality of water. To reduce nasopharyngeal cancer rate of the Pearl River Valley residents.

hong shou Luo

Combined treatment of Landfill leachate and Fecal supernatant with Sequencing Batch Reactor system

Hong-Guo Zhang, Shao-Qi Zhou, Zhi-Quan Yang, Yong Shi

Optimal Search Method of the Water Pollution Accidental Source

Ying Liu, Dan Liu, Yong Liao

Removal of iodide contaminants by calcined layered double hydroxides

Lv Liang, He Jing, Wei Min, D.G. Evans, Duan Xue

The interaction of groundwater quality and *Populus euphratica* forest to intermittent water delivery in the lower reaches of Tarim River, Northwest China

Yongjin Chen

Research on the Non-point population control based on various land-use types

Yangling Xu, Huaien Li

Classification-based Flood Forecasting Model by Artificial Neural Networks

Xiongrui YIN, Jun XIA, Xiang ZHANG, Xiaoni WANG

Experimental study on constructed rapid infiltration for slightly polluted water quality improvement in Reservoir

Yan-xia Zheng, Shao-yuan Feng, Pei-bin Liu, Ze-jun Tang

Urbanization and green-planting impacts on regional summer precipitation in megacity--Beijing

Chaolin ZHANG, Shiguang MIAO, Fei CHEN, Qingchun LI, Chongping JI

Changes of Pollutants in Wastewater Treated with Constructed Wetlands

Yuling Huang, Defu Liu, Erqing Hui

Application of EFDC-WASP modelling system in water pollution control: A case study in the Nansha River

NAN DONG, Baolin Su, Haifeng Jia, Hongtao Ma, Wei Wei, Shengtong Cheng

Removal of Nitrogen and Phosphorous in a Surface-flow Constructed Wetland

Xuemin Xiang, Hao Tang, Xiaobai Zhou, Jiti Zhou

Hydrolysis Acidification-Membrane Bioreactor Process for Ramie Degumming Wastewater

Jianbo CHEN, Chunmei GAO

Research on the reserves of Sea Ice as the Potential Resource to Bring Freshwater to Areas around the Bohai Sea, China

Feng Xie, Wei Gu, Yi Ge, Yinjun Xu

The Study of Reclamation of Wastewater in IWRM

Qunfang Fan

A study on hydrological effect of soil under different subalpine forests on east slope of Gongga Mountain

Chaolin Liao, Yurong He

The study of water resource carrying capacity and sustainable utilization of Changchun city

Wei SU, Jingshuang LIU

Link the impacts of human activities on water quality and hydrology in river system of Poyang Lake watershed, China

Xiaoling Chen, Hui Li, Zhongyi Wu, Weijuan Fu, Ying Liu

Evaluation of Sediment Nutrients in Lake Taihu

Qihui Chen, Zhenchun Hao, Guangbai Cui

A new distinguishing model of evolution of urban water environmental system

Zhen-xun Yu, Kai-qi Wang, Qing-chang Han

PCBs, PCNs and PBDEs in sediments from the Qingdao coastal sea, the Yellow Sea, China

Jing Pan, Yong-Liang Yang, Dan-Li Xi

Flocculation of turbidity and organic matter in source water using chitosan

Ming Jiang, Jinsheng Lou, Gang Cheng, Qingchang Han, Fang Wang

Model trial of a rainwater collect system in Hang Zhou

Ming Jiang, JinSheng Lou, Gang Cheng, ZongXi Zheng, XinBo Jiang

A research on nanometer TiO₂ photocatalysis degradation of organic phosphorus pesticide in water

Gang Cheng, YingYun Liu, Ming Jiang, Wen Chen, Hui Pang Zhao

A design for monitoring the Quality and Quantity of Subsurface Drain Flow at a farming demonstration plot in HangZhou

Gang Cheng, YingYun Liu, Ming Jiang, ZongXi Zheng

Assessment of HuaiHe river water quality in BengBu city

DaoMing Dai, ShanLin Yang

The soil surface evaporation capacity is studied by the experiment in the oasis district

wangcheng Li, shaoyuan Feng, wei Wang, shaojun Cheng

The efficient way to solve the shortage of water resources ——The recycle of post treatment sewage

Jun Liu, Xuehua Zhang

Construction Theories and Application of Ecotype Riverbank

Rui-hua SHI, Shi-guo XU

Validity Study on Treatment of Pharmacy Wastewater with Membrane Bioreactor (MBR) Process

Juntao Chen, Haibo Li, Xiangrui Qu

Research on contamination flux of Qiantang River based on ADCP measuring

Haixia YU, Liqiang XU

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