

城镇供水系统规划方法专题文献题录 (一)

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由于全球人口迅速增长,城市规模不断扩大,工业用水量猛增,城市水源受到污染,因此改善城市供水问题日益受到世界各国的重视。本题录收集了从 1989~1994 年 6 月,国外有关期刊上发表的关于改善供水问题的文献,文中提出的一些新技术和新方法,对加强我国城市供水规划和管理,解决城市供水不足具有借鉴和参考作用。

本题录分为 6 个分题:① 经济分析与政策;② 可靠性分析;③ 水环境监控;④ 供水系统优化运行;⑤ 干旱期供水管理;⑥ 其它——水供需平衡、新技术应用等。文献选取于下列英文原版期刊: J. of Water Resources Planning and Management, Civil Engineering, J. of Irrigation and Drainage Engineering, J. of Hydraulic Engineering, J. of Environmental Engineering, J. of Transportation Engineering, Water Resources Research.

为了较充分地揭示文献内容,向读者提供更多的信息,本题录对中文参考译名结合文摘内容进行了补充和说明。

1 经济分析与政策

01 Alternative water-district organization screening-level analysis= 给水管理区配水方案比较与筛选分析 [刊, 英] / Enright C // J. of Water Resources Planning and Management. — 1991, 117 (1). — 86~ 107

02 Analyzing water main replacement Policies= 配水系统重建规划中对输水主管更新的政策分析 [刊, 英] / Male W J // J. of Water Resources Planning and Management. — 1990, 116(3). — 362~ 374

03 Assessing the economic cost of restriction on

outdoor water use= 对户外用水进行限制引起的经济费用评估 [刊, 英] / Dandy G // Water Resources Research. — 1992, 28(7). — 1759~ 1766

04 Decision support system for water transfer evaluation= 调水评估决策支持系统 [刊, 英] / Stansbury J // Water Resources Research. — 1991, 27 (4). — 443~ 451

05 Demand-based benefit-cost model of participation in water project= 基于需求的效益分析及城市供水项目的效益费用模型 [刊, 英] / Billings R B // J. of Water Resources Planning and Management. — 1990, 116(5). — 593~ 609

06 Drought management, service interruption, and water pricing: evidence from Hong Kong= 干旱管理供水故障与水分的关系 (香港) [刊, 英] / Woo Chi-Keung // Water Resources Research. — 1992, 28(10). — 2591~ 2595

07 Enhancing instream flow benefits in an era of water marketing= 河道内用水经济效益问题 [刊, 英] / Colby B G // Water Resources Research. — 1990, 26(6). — 1113~ 1120

08 Inefficiencies in water project design and operation in the third world: an economic perspective= 第三世界国家水利工程设计和运行效率低的原因分析 [刊, 英] / Howe W C // Water Resources Research. — 1993, 29(7). — 1889~ 1894

09 Linear water-supply pipeline capacity expansion model= 供水管道容量扩建模型 [刊, 英] / Martin W Q // J. of Hydraulic Engineering. — 1990, 116(5). — 675~ 690

10 Marginal economic value of streamflow: a case

study for the Colorado river basin= 河川水流边际经济价值: 科罗拉多河流域实例研究 [刊, 英] / Brown T C // Water Resources Research.— 1990, 26(12).— 2845~ 2859

11 Network models of water rights and system operations= 用水权和输水系统经济运行网络模型 [刊, 英] / Brendecke M C // J. of water Resources Planning and Management.— 1989, 115(5).— 684~ 696

12 Overlooked market for water connection in Rabat's Shantytowns= 关于居民用户接供水管的市场调查 [刊, 英] / Mcphail A // J. of Water Resources Planning and Management.— 1993, 119(3).— 388~ 404

13 Planning water supply and sanitation projects in developing countries= 发展中国家供水和排水工程项目规划 [刊, 英] / Muyibi A S // J. of water Resources Planning and Management.— 1992, 118(4).— 351~ 355

14 Production, cost, and increased salinity in water= 生产、费用与供水盐度增加的关系 [刊, 英] / Agthe D E // J. of water Resources Planning and Management.— 1989, 115(6).— 824~ 828

15 Residential water usage: a case study of the major cities of the western region of Saudi Arabia= 沙特阿拉伯西部地区主要城市居民区用水评估实例研究 [刊, 英] / Rizaiza OSA // Water Resources Research.— 1991, 27(5).— 667~ 671

16 Rethinking rural water supply policy in the Punjab Pakistan= 巴基斯坦旁遮普省乡村地区供水部门政策的分析 [刊, 英] / Altaf A M // Water Re-

sources Research.— 1993, 29(7).— 1943~ 1954

17 Rural water supply in Kerala India: how to emerge from a low-level equilibrium trap= 改进印度喀拉拉邦城镇供水系统的研究 [刊, 英] / Singh B // Water Resources Research.— 1993, 29(7).— 1931~ 1942

18 Strategy for cost recovery in the rural water sector: a case study of Nsukka district Anambra state Nigeria= 乡镇供水部门成本回收政策 (尼日利亚阿南布拉州恩苏卡区的实例研究) [刊, 英] / Whittington D // Water Resources Research.— 1990, 26(9).— 1899~ 1913

19 Water and poverty: implication for water planning= 改善供水规划提高效益的全面分析 [刊, 英] / Fass M S // Water Resources Research.— 1993, 29(7).— 1975~ 1981

20 Water resources planning in a strategic context: linking the water sector to the national economy= 水资源规划方法进展——供水项目投资与宏观经济的联系 [刊, 英] / Rogers P // Water Resources Research.— 1993, 29(7).— 1895~ 1906

21 Water transfer and major environmental provisions of the Central Valley Project Improvement Act: a preliminary economic evaluation= 中央河谷工程改建计划中有关调水和水环境问题的初步经济评价 [刊, 英] / Loomis B J // Water Resources Research.— 1994, 30(6).— 1865~ 1871

(待续)