





Home | Journal Papers | About CNKI | User Service | FAQ | Contact Us | [中文](#)

Full-Text Search :

[CNKI Search](#)

《Acta Agrestia Sinica》2009-02

[Add to Favorite](#) [Get Latest Update](#)

[Similar Journals](#)

Calculation System Construction of Grassland Ecological Service Value

YIN Jian-hui, LU Xin-shi (Grassland Resource and Ecology Laboratory, Beijing Forestry University, Beijing 100083, China)

The grassland ecosystem, one of the most important terrestrial ecosystems, has enormous ecological service values. The indicators of grassland ecological services are various; this study took eight common indicators as the components of assessment, including soil and water conservation, water holding, carbon fixation and oxygen release, biological diversity maintaining, air cleaning, eco-tourism, waste regulation, and nutrient recycling. Through comparison of the advantages and disadvantages among the value assessment methods and selection of calculation methods, the feasible and simple accounting formulas were elected, and a more scientific and operational evaluating calculation system was finally established. This system lays the foundation for accounting ecological service value of China's grasslands, and also provides an important reference value for the incorporation of grassland resources into the green GDP calculation system.

【Key Words】 : **Ecological service Calculation system Assessment method Value**

【Fund】 : 国家科技部科技基础条件平台(2004-DEA71190);; 科技支撑计划项目(2006BAD26B04-03)

【CateGory Index】 : S812



[Download\(CAJ format\)](#)



[Download\(PDF format\)](#)

CAJViewer7.0 supports all the CNKI file formats; AdobeReader only supports the PDF format.

> Forestry of Xinjiang

> Journal of Inner Mongolia Forestry

> Forest Resources Management

> China Rural Water and Hydropower

> Yellow River

> Scientia Silvae Sinicae

> Journal of Gansu Agricultural University

> Guangxi Forestry Science

> Journal of Agricultural University of Hebei

> Shanxi Forestry Science and Technology

【References】

Chinese Journal Full-text Database

8 Hits

- 1 LIU Xing-yuan, SHANG Zhan-huan, LONG Rui-jun (International Centre for Tibetan Plateau Ecosystem Management, Lanzhou University; College of Pastoral Agricultural Science and Technology, Lanzhou University, Lanzhou, Gansu Province 730020, China); [Discussion on the Ecological Compensation Mechanism and Scheme of Rangeland](#)[J]; Acta Agrestia Sinica; 2010-01
- 2 HOU Xin-cun, FAN Xi-feng, WU Ju-ying, ZUO Hai-tao (Beijing Research and Development Center for Grass and Environment, Beijing Academy of Agriculture and Forestry Sciences, Beijing 100097, China); [Evaluation of economic benefits and ecological values of cellulosic bioenergy grasses in Beijing suburban areas](#)[J]; Acta Prataculturae Sinica; 2011-06
- 3 LIU Xing-yuan¹, Mu Yue-ting² (1. State Key Laboratory of Grassland Agro-ecosystems, College of Pastoral Agricultural Science and Technology, Lanzhou University, Lanzhou 730020, China; 2. College of Economy and Management, Gansu Agricultural University, Lanzhou 730070, China); [Research progress in the ecosystem services function and value of grasslands](#)[J]; Acta Prataculturae Sinica; 2012-06
- 4 YANG Min, FEI Yong-jun*, KE Lin, LIU Ya-li, LAN Xiu-hong (College of gardening and Horticulture, Yangtze University, Jingzhou 434025, China); [Research Progress on Evaluating Ecosystem Services of China Grassland](#)[J]; Prataculture & Animal Husbandry; 2010-03
- 5 LI Bao-jie^{1,2}, GU He-he¹, JI Ya-zhou^{1,2}, CHEN Jun¹ (1. China University of Mining and Technology, Jiangsu Key Laboratory of Resources and Environmental Information Engineering, Xuzhou, Jiangsu 221116, China; 2. College of Urban & Environmental Science, Xuzhou Normal University, Xuzhou, Jiangsu 221116, China); [Effects of Land Use Change on Values of Ecosystem Services of Xuzhou Based on RS & GIS — Taking Jiuli Mining Area for Example](#)[J]; Research of Soil and Water Conservation; 2010-05
- 6 SUI Lei¹, ZHAO Zhijie¹, JIN Yu², GUAN Xuebin³, XIAO Ming³ (1. School of Environmental Science and Engineering, Beijing University, Beijing 100871, China; 2. Joint Office of Hainan Ecological Province Construction, Haikou Hainan 570203, China; 3. Environmental Science Research Institute of Hainan Province, Haikou Hainan 570125, China); [Evaluation of Natural Ecosystem Services in Hainan Island](#)[J]; Ecological Economy; 2012-01

MU Yue-ting, LIU Xing-yuan (College of Tourism and Environment, Shaanxi Normal University, Xi'an 710062)

- 7 LU Feng,LI Jing,REN Zhi-yuan(College of Tourism and Environment,Shaanxi Normal University,Xi'an 710062, Shaanxi,China);[The value of grassland ecosystem in the farming-grazing ecotone of North Shaanxi province in carbon trading](#)[J];Journal of Shaanxi Normal University(Natural Science Edition);2011-02
- 8 SUI Lei 1 , ZHAO Zhijie 1 , JIN Yu 2 , GUAN Xuebin 3 , XIAO Ming 3 (1. School of Environmental Science and Engineering, Peking University, Beijing 100871, China; 2. Joint Office of Hainan Ecological Province Construction, Haikou 570203, China; 3. Environmental Science Research Institute of Hainan Province, Haikou 570125, China);[Dynamic Evaluation of Natural Ecosystem Service in Hainan Island](#)[J];Resources Science;2012-03

【Citations】

Chinese Journal Full-text Database

10 Hits

- 1 MIN Qing-wen~1, LIU Shou-dong~2, YANG Xia~2 (1. Institute of Geographic Sciences and Natural Resources Research ,CAS,Beijing 100101, China; 2.Institute of Meteorology of Nanjing,Nanjing, Jiangsu Province 210044,China);[Evaluation of the Ecosystem Services of the Inner Mongolia Steppe](#)[J];Acta Agrestia Sinica;2004-03
- 2 XIE Gao di,LU Chun xia,Xiao Yu,and ZHENG Du (The Institute of Geographical Science and Natural Resource Research,CAS,Beijing 100101 China) ;[The Economic Evaluation of Grassland Ecosystem Services in Qinghai-Tibet Plateau](#)[J];Journal of Mountain Research;2003-01
- 3 AI Xihui, XU Jianchu, GAO Fu, YANG Lixin, QIAN Jie ,LI Qiaohong(Kunming Institute of Botany, Kunming 650204,China);[Economic Evaluation of Water Reservoir of Forest Ecosystem in Xizhuang Watershed](#)[J];Journal of Mountain Research;2005-01
- 4 Jin Fang~ 1,2 , Lu Shaowei~1, Yu Xinxiao~1, Rao Liangyi~1, Zhang Zhenming~1, Mao Fuling~3(1.Key Laboratory of Soil and Water Conservation and Desertification Combating of Ministry of Education, College of Soil and Water Conservation, Beijing Forestry University, 100083; 2.Department of Science and Technology, State Forestry Bureau, 100714; Beijing; 3.Hebei Provincial Forestry Bureau, 050081, Shijiazhuang; China);[Preliminary study on evaluation index system of forest ecosystem services in China](#)[J];Science of Soil and Water Conservation;2005-02
- 5 陈应发;[Study on Environmental Accounting](#)[J];Ecological Economy;1996-03
- 6 OUYANG Zhi Yun WANG Xiao Ke MIAO Hong (Research Center for Eco Environmental Sciences,Chinese Academy of Sciences,Beijing 100080,China);[A primary study on Chinese terrestrial ecosystem services and their ecological-economic values](#)[J];ACTA ECOLOGICA SINICA;1999-05
- 7 XIAO Yu, XIE Gao Di, AN Kai (The Institute of Geographical Science and Natural Resource Research, CAS, Beijing 100101,China).;.[The function and economic value of soil conservation of ecosystems in Qinghai-Tibet Plateau](#)[J];Acta Ecologica Sinica;2003-11
- 8 ZHAO Tong-Qian~(1,2), OUYANG Zhi-Yun~1, JIA Liang-Qing~1, ZHENG Hua~1(1.Research Center for Eco-environmental Sciences, Chinese Academy of Sciences, Beijing 100080,China;2.He'nan University of Technology,Jiaozuo,He'nan 454000,China).;.[Ecosystem services and their valuation of China grassland](#)[J];Acta Ecologica Sinica;2004-06
- 9 LI Lin1,Assoc. Prof. CAO Wen-hua1 BI Hai-pu2(1 College of Trade & Public Administration, Chongqing University, Chongqing 400030,China2 College of Resources & Environment, Chongqing University, Chongqing 400030,China);[Evaluation System of Organization Safety Culture Based on SMART Principles](#)[J];China Safety Science Journal(CSSJ);2007-02
- 10 LIU Bi-han,GUO Ji-xun(Institute of Grassland Science,Northeast Normal University,Jilin 130024,China);[The Grassland Ecosystem Services Value in the West Jilin Province](#)[J];Grassland of China;2005-01

【Co-citations】

Chinese Journal Full-text Database

10 Hits

- 1 JIANG Wen-hua (Tongling Baiji Semi-nature Reserve,Tongling 244000,China)\$\$\$;[Observation on the Group of the ChangJiang Finless Porpoise and Conserved in Semi-nature Conditions](#)[J];Journal of Anhui University(Natural Sciences);2000-04
- 2 JIANG Wen-hua(Administrative Bureau,Tongling Freshwater Porpoise National Nature Reserve,Tongling 244161,China);[Review on the ex-situ conservation of Yangtze Finless Porpoise](#)[J];Journal of Anhui University(Natural Sciences Edition);2010-04
- 3 LIAO Jun-tao,ZHAO Xue-bing,HU Shao-ji,XU Yuan-zhao(College of Life Science,Yunnan University,Kunming 650091,China);[Avianspatial and temporal changes and bird strike preventive measures at Kunming Wujiaaba international airport](#)[J];Journal of Anhui University(Natural Science Edition);2012-02
- 4 Zhu Lingsong(Construction Bureau of Lujiang County,Lujiang,231500);[DESIGN OF ECOLOGICAL ENVIRONMENT OF URBAN PARK GREENBELT SYSTEM OF LUJIANG](#)[J];Journal of Anhui Institute of Architecture;2002-02
- 5 Feng Xiaodong1 Chang Dandong2(Shannxi Soil and Water Conservation Survey Graduate School,Xi'an, 710004;2 Soil and Water Conservation Center,Water Conservancy,Beijing 100053);[Discussion on System of Soil and Water Loss Restraining Compensation](#)[J];Anhui Agricultural Science Bulletin;2007-19

- 6 Zhao Jinfei^{1,2} et al.(1 Xinjiang Key Laboratory of Oasis Ecology,Urumqi 830046,China;2 College of Resources and Environment Science,Xinjiang University,Urumqi 830046,China);[Research on the Meadow Output of Xinjiang Based on MODIS Image](#)[J];Anhui Agricultural Science Bulletin;2010-15
- 7 Tang Juan^{1,2} et al.(1 College of Resources and Environmental Science,Xinjiang University,Urumqi 830046,China;2 Key Laboratory of Oasis Ecology in Xinjiang,Urumqi 830046,China);[Variation of Ecosystem Services Value in the City of Turpan Based on the Land Use Change](#)[J];Anhui Agricultural Science Bulletin;2011-01
- 8 Zheng Xiaowen(Forestry Bureau of Yong'an,Yong'an 366000,China);[Study on the Volume and Hydrological Characteristics of Withered falling Objects in the Natural Tsuga longibracteata Forests in Tianbaoyan National Nature Reserve](#)[J];Anhui Agricultural Science Bulletin;2012-11
- 9 HU Rong et al (Geographic Science College,Southwest University,Chongqing 400715);[Exploration of the Development of Cultivated Land and Garden City](#)[J];Journal of Anhui Agricultural Sciences;2006-17
- 10 HE Yuan-rong et al (Department of Tourism Management,Guilin Institute of Tourism,Guilin,Guangxi 541006);[Sustainable Development Based on Ecological Footprint Analysis in Guilin City](#)[J];Journal of Anhui Agricultural Sciences;2007-04

China Proceedings of conference Full-text Database

10 Hits

- 1 ZHANG Yunqi~(1,2) 1 School of Chemistry and Resources Environment,Linyi Normal University,Linyi 276000,China 2 Research Center for Eco-Environmental Sciences,CAS,Beijing,100085,China;[Analysis of the Coupling between Ecosystems and Economy in Mountainous Regions—A Case Study in Anji County of Zhejiang Province in China](#)[A];[C];2010
- 2 ;[Impact of land-use changes on the ecosystem service value in Poyang Lake Basin](#)[A];[C];2011
- 3 Fang Bin,Yang Ye,Zheng Qianjin,Wu Jinfeng (College of Geography,Nanjing Normal University,Nanjing,210046,China);[Evaluation of ecological value compensation using exchange of farmland:a case study with data from Jiangyin and Xinghua,China](#)[A];[C];2011
- 4 PAN Jing-hu (School of Geographic and Environmental Science,Northwest Normal University,Lanzhou 730070,China);[Analysis on Dynamic Change of Grassland in the Source Region of the Yangtze and Yellow Rivers by Using Rs and GIS](#)[A];[C];2009
- 5 Cheng Song Institute of Mountain Hazards and Environment,the Chinese Academy of Sciences,No.9.Block 4,South Retain Road,Chengdu,Sichuan 610041,P.R.China;[Ecological Engineering for South to North Water Transfer Project in China:A Review of Conservation Buffer System Approach](#)[A];[C];2007
- 6 KONG Fanwen (School of Management,Shenyang Jianzhu University,Shenyang 110168,China);[The Evolution and Assessment of Land Intensive Use Connotation](#)[A];[C];2010
- 7 TANG Xiumei^{1,2}, CHEN Baiming¹, LU Qingbin³, SONG Wei¹ (1.Institute of Geographic Sciences and Natural Resources Research,Chinese Academy of Sciences, Beijing 100101,China; 2.Graduate University of Chinese Academy of Sciences,Beijing 100049,China ; 3. Chinese Research Academy of Environmental Sciences, Beijing 100012,China);[Primary Exploration on the Ecological Land Use Classification in Beijing](#)[A];[C];2010
- 8 WANG Chunhong,DENG Huafeng (Key Laboratory for Forest Silviculture and Conservation of Ministry of Education,Beijing Forestry University,Beijing 100083,China);[The Research on Evaluation of Forest Ecosystem Services and Functions](#)[A];[C];2011
- 9 ZHANG Ting-hua LIU Qing-lin (China Agricultural University,Beijing 10003);[Study on Plant Diversity in the Green Space of Urban Areas](#)[A];[C];2009
- 10 WANG En~1 LIN Jia-sha~2 ZHANG Yin-ke~1 BAO Zhi-yi~3 (1 Hangzhou Botanical Garden, Hangzhou 310013;2 Institute of Architectural Design and Research of Zhejiang Province; Hangzhou 310003;3 School of Landscape Architecture,Zhejiang Forestry College,Lin'an 311300);[Monetized Ecological Benefit Evaluation of the West-marching of the West Lake in Hangzhou](#)[A];[C];2009

【Co-references】

Chinese Journal Full-text Database

10 Hits

- 1 WANG Jian et al(Department of Pasture Science,South China University of Tropical Agriculture,Danzhou,Hainan 571737);[Rangeland Resource and its Utilization in Hainan Province](#)[J];Journal of Anhui Agricultural Sciences;2006-23
- 2 ZHENG Jian-wei et al (School of Environmental Science and Engineering,Nanjing University of Information and Science and Technology,Nanjing,Jiangsu 210044);[Assessment of Ecosystem Service Value of Natural Reserve in Hainan Island](#)[J];Journal of Anhui Agricultural Sciences;2009-31
- 3 CAI Yan-peng, YANG Zhi-feng, XU Lin-yu(State Key Laboratory of Environmental Simulation and Pollution Control, Institute of Environmental Sciences, Beijing Normal University, Beijing 100875, China);[VALUING HEALTH IMPAIRMENT RESULTING FROM AIR POLLUTION IN TIANJIN'S TOWNSHIP-VILLAGE INDUSTRIAL ENTERPRISES](#)[J];Journal of Safety and Environment;2003-01
- 4 ZHANG Zhi qiang^{1,2}, XU Zhong min¹, WANG Jian¹, CHENG Guo dong¹ (1.State Key Laboratory of Frozen Soil Engineering, CAREERI,CAS, Lanzhou Gansu730000, China; 2.ScientificInformation Center for Resources and Environment, CAS;Value of the Ecosystem Services in the Heihe River Basin[J];Journal of Glaciology and Geocryology;2001-04

- 5 XU Zhong-min\+1,\ ZHANG Zhi-qiang\+1,\ SU Zhi-yong\+2,\ CHENG Guo-dong\+1 (1. State Key Laboratory of Frozen Soil Engineering,CAREERI,CAS,Lanzhou Gansu\ 730000, China; 2. State Key Laboratory of Arid Agricultural Ecology, Lanzhou University, Lanzhou G; [Measuring Total Economic Value of Restoring Ejina Banner's Ecosystem Services —— Application of the Non-Parametric Estimation](#)[J];Journal of Glaciology and Geocryology;2002-02
- 6 WANG Jian~(1), QI Yuan~(1), CHEN Zheng-hua~(2), MA Ming-guo~(1), LI Jing~(1), HUANG Chun-lin~(1) (1.Cold and Arid Regions Environmental and Engineering Research Institute,Chinese Academy of Sciences,Lanzhou Gansu 730000,China;2.Lanzhou University,Lanzhou Gansu 730000,China); [Modeling Dynamic Assessment on Ecosystem Services Based on Remote Sensing Technology —— A Case Study on Gansu Grassland Ecosystem](#)[J];Journal of Glaciology and Geocryology;2006-05
- 7 LI Yuping 1),2)CAI Yunlong 1)(1)Department of Resources,Environment and Geography,Center for Land Study,Peking University,Beijing,100871); [Analysis of Dynamics of the Regional Cropland-Population-Grain System and Prediction of the Pressure on Cropland:The Case Study on Xingtai Prefecture of Hebei Province](#)[J];Acta Scientiarum Naturalium Universitatis Pekinensis;2007-02
- 8 YANG Zhi-geng,ZHANG Ying(School of Economics and Management,Beijing Forestry University,100083,P.R.China); [Value Evaluation of Jinggangshan Forest Recreation Resources Based on Contingent Value Method](#)[J];Journal of Beijing Forestry University(Social Sciences);2010-04
- 9 Cheng Kewu;Cui Guofa;Wang Jianzhong;Li Junqing. Journal of Beijing Forestry University (2000)22(4)66~71[Ch,10 ref.].Research Center of Nature Preserve,Beijing For.Univ.,100083,P.R.China.; [Evaluation on the economic value of the forest biodiversity in Labagoumen forest region.](#)[J];JOURNAL OF BEIJING FORESTRY UNIVERSITY;2000-04
- 10 ZHAO Guang-liang1;WANG Ji-xing1;WANG Xiu-zhen2;SHEN Ying-bai2;ZHOU Jin-chi2. 1 Badaling Forestry Centre, Beijing, 102112, P. R. China;2 College of Biological Science and Biotechnology, Beijing Forestry University, 100083, P. R. China; [Nutrient element cycling and density effect in Pinus tabulaeformis plantations](#)[J];Journal of Beijing Forestry University;2006-04

[Secondary References]

Chinese Journal Full-text Database

10 Hits

- 1 LIU Xing-yuan(State Key Laboratory of Grassland Agro-ecosystems,College of Pastoral Agriculture Science and Technology,Lanzhou University,Lanzhou 730020,China); [Progress in the study on the ecological compensation of grassland](#)[J];Pratacultural Science;2012-02
- 2 CHAI Guai-qiang1,XU Kai-jie1,WANG Yong-feng1,SUN Feng-li1 , SONG Li-li2,LIU Shu-dong1,XI Ya-jun1(1.College of Agronomy,Northwest A&F University,Shaanxi 712100,China;2.Department of Life Science,Cangzhou Normal University,Cangzhou 061001,China); [Establishment of a highly efficient regeneration system of switchgrass artificial spike buds](#)[J];Acta Prataculturae Sinica;2012-04
- 3 LU Yu-fei,JIANG Jian-xiong,YI Zi-li (College of Bioscience & Biotechnology,Hunan Agricultural University,Changsha 410128,China); [Study on the transferability of maize SSR and sugarcane EST-SSR markers to Miscanthus\(Poaceae\)](#)[J];Acta Prataculturae Sinica;2012-05
- 4 LU Yu-fei,JIANG Jian-xiong,AI Xin,XIAO Liang,YI Zi-li(College of Bioscience and Biotechnology,Hunan Agricultural University,Changsha 410128,China); [Observations and study on the pollen morphology of some taxa of Miscanthus\(Poaceae\)](#)[J];Acta Prataculturae Sinica;2012-06
- 5 WANG Jian-bing1 ,2,ZHANG De-gang1,TIAN Qing1(1.Pratacultural College of Gansu Agricultural University,Lanzhou,Gansu Province 730070,China; 2.Gansu Academy of Social Sciences,Lanzhou,Gansu Province 730070,China); [Evaluating Herders' Knowledge of Grassland Policy in Arid and Semi-arid Pastoral Areas in Central and Western Gansu](#)[J];Acta Agrestia Sinica;2013-01
- 6 FAN Xi-feng,HOU Xin-cun,WU Ju-ying*,ZHU Yi(Beijing Research and Development Center for Grass and Environment, Beijing Academy of Agriculture and Forestry Sciences,Beijing 100097,China); [Research progress and development potential analysis of bioenergy grass in the north of China](#)[J];Journal of China Agricultural University;2012-06
- 7 Liu Xueping (Library of Weifang University); [The Study of Constructing the People-oriented Ecology Evaluating Indicator System](#)[J];Library;2011-06
- 8 LIU Xingyuan(State Key Laboratory of Grassland Agro-Ecosystems,College of Pastoral Agricultural Science and Technology,Lanzhou University,Lanzhou Gansu 730020,China); [Gaming between Ecological Safety Shelter Zone Conservation and Animal Husbandry Economy Development of Rangeland in Qinghai-Tibetan Plateau](#)[J];Ecological Economy;2012-10
- 9 ZHANG Xiao-nan1,SONG Hong-li1,LI Zhen-jie2(1.College of Resources,Hebei University of Engineering,Handan,Hebei 056038,China;2.Shijiazhuang Comprehensive Geological Brigade of Hebei Provincial Bureau of Geology and Mineral Resources,Shijiazhuang 050081,China); [Study on Spatial Distribution of Regional Ecosystem Service Value Based on Geostatistics](#)[J];Research of Soil and Water Conservation;2012-06
- 10 ZHENG Hua-wei1,LIU You-zhao1,ZHANG Wen-xiu2(1.College of Public Administration,Nanjing Agricultural University,Nanjing 210095,China; 2.College of Economy and Management,Sichuan Agricultural University,Ya'an 625014,China); [Analysis on the Externalities of Grassland Resources' Protection and Construction from Household Perspective in Pastoral Areas in Western China](#)[J];Chinese Journal of

Construction from herdsmen perspective in pastoral Area in western China[J];Chinese Journal of Grassland;2011-02

【Secondary Citations】

Chinese Journal Full-text Database

10 Hits

- 1 Cheng Kewu;Cui Guofa;Wang Jianzhong;Li Junqing. Journal of Beijing Forestry University (2000)22(4)66~71[Ch,10 ref.].Research Center of Nature Preserve,Beijing For.Univ.,100083,P.R.China.;**Evaluation on the economic value of the forest biodiversity in Labagoumen forest region.**[J];JOURNAL OF BEIJING FORESTRY UNIVERSITY;2000-04
- 2 Dong Yawen(Nanjing Institute of Geography & Limnology,Nagjing 210008);**STUDY ON BALANCE OF OXYGEN IN URBAN ECALOGY——TAKING NANJING——CITY AS ECAMPLE**[J];URBAN ENVIRONMENT & URBAN ECOLOGY;1995-01
- 3 Yang Shihong (South China Normal University, Guangzhou 510631);**PRIMARY STUDY ON EFFECT OF C-O BALANCE OF AFFORESTATAL TREES IN CITIES**[J];URBAN ENVIRONMENT & URBAN ECOLOGY;1996-01
- 4 Li Qingyun,Jiang Shunqing,Sun Houcai(Yangtze River Scientific Research Institute , Wuhan 430010);**Determination of Surface Erosion of the Small Watersheds in the Hilly Area of Purple Soils in the Upper Reaches of the Yangtze River**[J];JOURNAL OF YANGTZE RIVER SCIENTIFIC RESEARCH INSTITUTE;1995-01
- 5 Ge Jiqi(Nanjing AgricuLtural University, Nanjing,210014);**POLLUTION LOSSES AND THE ANALYSIS OF ENVIRONMENT BENEFITS**[J];PESOURCES AND ENUIRONMENT IN THE YANGTZA VALLEY;1994-02
- 6 Yang Zhiming,Wang Wenxing,Zhang Wanhua (Chinese Research Academy of Environmental Sciences,Beijing 100012);**The Study of Economic Estimates of Acid Deposition Damage on Materials**[J];CHONGQING ENVIRONMENTAL SCIENCE;1997-01
- 7 Lang Kuijian; Li Changsheng; Yin You; Lang Pumei; Wang Weifang; Liu Peng; Liu Gang(Northeast Forestry University, Harbin 150040, P. R. China);**The Measurement Theory and Method of 10 Forest Ecological Benefits for Forestry Ecological Engineering**[J];JOURNAL OF NORTHEAST FORESTRY UNIVERSITY;2000-01
- 8 Li Chaohong (Northeast Forestry University, Harbin 150040. P. R. China) Hao Aimin (the Forestry School of Hebei Province);**The Systems of Descriptive Indicators for the Sustainable Development of China Forest Resources**[J];Journal of Northeast Forestry University;2000-05
- 9 QI Yuchun 1, DONG Yunshe 1, GENG Yuanbo 1,YANG Xiaohong 1,GENG Huili 2 (1. Institute of Geographic Sciences and Natural Resources Research, CAS, Beijing 100101,China 2. College of Resource and Environment, Northwestern Sci tech University of Agriculture and Forestry, Yangling 712100);**The Progress in the Carbon Cycle Researches in Grassland Ecosystem in China**[J];Progress In Geography;2003-04
- 10 LIU Zhi-ming 1,2 , YAN Ming 2, WANG Gui-qing 3, MENG Hua 3, ZHANG Wen-zhe 2, WANG Chun-hui 3 (1. Changchun Institute of Geography, Chinese Academy of Sciences, Changchun, Jilin 130021; 2. Meteorological Science Institute of Jilin Provinc;**Analysis on Grassland Degeneration in the West Jilin Province Based on Satellite RS**[J];Scientia Geographica Sinica;2001-05

©2006 Tsinghua Tongfang Knowledge Network Technology Co., Ltd.(Beijing)(TTKN) All rights reserved

