

知网空间

cnki中国知网
www.cnki.com.cn



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

Full-Text Search :

[CNKI Search](#)

《Journal of Fujian Normal University(Natural Science Edition)》 2009-03

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

[Similar Journals](#)

The Ecosystem Services Value Response to LUCC in Zhangzhou

HUANG Yong-cai, CHEN Song-lin, DAI Fei (College of Geographical Sciences, Fujian Normal University, Fuzhou 350007, China)

With land use changing investigation data from 1996-2004 in Zhangzhou, the land could be divided into 7 ecosystems such as farmland, forestland, garden plot, grassland, waters, wetland and artificial building, so as to evaluate the ecological service value. By latius rectum analysis, the results showed that the value had an increasing trend with tiny fluctuations between 29.342 and 29.429 billion, the main factor which caused the trend was the expansion of garden plot ecosystem. With the adoption of Markov Model to predict ecological service value in 2020, we found that it would be a little greater than that in 2004 with the garden plot of ecosystem expansion as its main factor.

【Key Words】 : **ecological service value latius rectum analysis land use change garden plot ecosystem Zhangzhou city**

【Fund】 : 福建省科技厅基金资助项目(2006F5029)

【CateGory Index】 : F301.24



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



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

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

> [Journal of Arid Land Resources and Environment](#)

> [China Rural Survey](#)

> [China Land Science](#)

> [Acta Geographica Sinica](#)

> [Journal of Wuhan Commercial Service College](#)

> [Chinese Journal of Applied Ecology](#)

> [Journal of Shijiazhuang](#)

[Vocational Technology Institute](#)

> [Arid Land Geography](#)

> [Journal of Yangtze River](#)

[Scientific Research Institute](#)

> [Progress in Geography](#)

【Citations】

Chinese Journal Full-text Database

6 Hits

- 1 YUE Shuping^{1, 2}, ZHANG Shuwen¹, YAN Yechao^{1, 2} (1. Northeast Institute of Geography and Agricultural Ecology, CAS, Changchun 130012, China; 2. Graduated School of the Chinese Academy of Sciences, Beijing 100039, China); **Impacts of Land Use Change on Ecosystem Services Value in the Northeast China Transect (NECT)**[J]; Acta Geographica Sinica; 2007-08
- 2 ZHU Jia-biao, YANG Wei-ping, SU Wei-min (Hunan Map Press, Changsha 410007, Hunan, China); **ANALYSIS OF THE DRIVING INFLUENCE MECHANISM OF LINLI COUNTY BASED ON THE MULTIPLE REGRESSION ANALYSIS LAW AND THE LATUS RECTUM ANALYSIS**[J]; Economic Geography; 2008-03
- 3 ZHAO Jing\zhu, XU Ya\jun, XIAO Han, ZHAO Tong\qian, DUAN Guang\ming (Research Center for Eco\Environmental Sciences, Chinese Academy of Sciences, Beijing 100085, China); **Ecosystem Services Evaluation Based on Comprehensive National Power for Sustainable Development - the Evaluations on 13 Countries**[J]; Systems Engineering-theory & Practice; 2003-01
- 4 XIE Gao-Di, XIAO Yu, ZHEN Lin, LU Chun-Xia (Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing 100101, China); **Study on ecosystem services value of food production in China**[J]; Chinese Journal of Eco-Agriculture; 2005-03
- 5 XIE Gao - di 1 , LU Chun - xia 1 , LENG Yun - fa 1 , ZHENG Du 1 , LI Shuang - cheng 2 (1. Institute of Geographic Sciences and Natural Resources Research, CAS, Beijing 100101, China; 2. Resources and Environment College, Peking University, Beijing 100871, China); **Ecological assets valuation of the Tibetan Plateau**[J]; Journal of Natural Resources; 2003-02
- 6 WU Ke-ning¹, ZHAO Ke², ZHAO Ju-shui³, CAO Zhi-hong², ZHU Jia-wei², LV Qiao-ling², ZHANG Lei² (1. China University of Geosciences, Beijing 100083, China; 2. Henan Agricultural University, Zhengzhou 450002, China; 3. The People's Government of Xinxiang, Xinxiang 453003, China); **The Environmental Impact Assessment of Land Use Planning Based on the Theory of Ecosystem Services Value: Taking Anyang as an Example**[J]; China Land Science; 2008-02

【Co-citations】

Chinese Journal Full-text Database

10 Hits

- 1 LI Guang-yong et al (Department of Land Resources Management, China Agricultural University, Beijing 100094);[Study on Ecological De-farming Standard of the Dongping Lake Old Lake District](#)[J];Journal of Anhui Agricultural Sciences;2008-02
- 2 SU Xian-long et al (Economics and Management College of Northwest Scientific and Technological University,Yangling,Shaanxi 712100);[Analysis on the Environmental Cost of Farmland Soil Pollution in China](#)[J];Journal of Anhui Agricultural Sciences;2008-10
- 3 SHEN Hai-jian et al(Surveying and Mapping Research Bureau of Hunan Province,Changsha,Hunan 410007);[Effects of Land Use Change on Ecosystem Services Value Based on RS and GIS Technology](#)[J];Journal of Anhui Agricultural Sciences;2008-11
- 4 LUO Jian-mei et al (College of Resources,Shijiazhuang University of Economics,Shijiazhuang,Hebei 050031);[Evaluation of Ecological Economy Effect and Land Use Change in the Farming-Pasture Zigzag Zone of Hebei Province](#)[J];Journal of Anhui Agricultural Sciences;2008-25
- 5 HU Wei(School of Geographic and Oceanographic Science,Nanjing University,Nanjing,Jiangsu 210093);[Study on the Economic Value Change of Cropland and Water Ecosystem Services Function](#)[J];Journal of Anhui Agricultural Sciences;2009-02
- 6 HUO Tian-yang et al(Key Laboratory for Silviculture and Conservation,Ministry of Education,Institute of Turfgrass Science,Beijing Forestry University,Beijing 100083);[Effects of Land-Using Change of Shiyen City on Ecosystem Services Value](#)[J];Journal of Anhui Agricultural Sciences;2009-12
- 7 YU Zhi-qiang et al (College of Geosciences and Geodetic Engineering,East China Institute of Technology,Fuzhou,Jiangxi 344000);[Relationship between Regional Land Use Change and Service Value Change of Ecosystem](#)[J];Journal of Anhui Agricultural Sciences;2009-17
- 8 LIU Ju-mei et al(College of Resources and Environmental Sciences,Lanzhou University,Lanzhou,Gansu 730000);[Study on the Ecological Environment Changes and Farmland Loss Problem in the Construction of Industrial Park](#)[J];Journal of Anhui Agricultural Sciences;2009-19
- 9 CHEN Li-gen,LIU Fa-wei,CHAI Tao-xiu(College of Public Management,Nanjing Agricultural University,Nanjing 210095);[Dynamic change of land ecosystem service value in fast developing regions — A case study of Yizhen city](#)[J];Journal of Anhui Agricultural University;2008-03
- 10 ZHANG Jian(School of Geographic and Oceanographic Sciences,Nanjing University 210093);[Evaluation on eco-environmental effects of land use change in east Anhui Province](#)[J];Journal of Anhui Agricultural University;2008-03

China Proceedings of conference Full-text Database

7 Hits

- 1 Su Chao-yang Miao Chang-hong (Research Center of Yellow River Civilization and Sustainable Development and College of Environment and Planning,Henan University,Kaifeng 475004,China);[Based on the Value of Ecosystem Services of Land Use Planning assessment in Kaifeng](#)[A];[C];2008
- 2 Shen Qiang~1 Jiang Zhi-de~1 Wang Ji-jun~2 (1.Economy and Management College of Northwest A&F University,2.Institute of Soil and Water Conservation, Chinese Academy of Science and Ministry of Water Resources,Shaanxi Yangling 712100);[Comparison of ecosystem services value of Agricultural land resources under different retirement of cultivated situation](#)[A];[C];2008
- 3 Dai Bo (Institute of Development Studies, Yunnan University, Kunming, Yunnan, 650091);[Research Progress on Ecological Assets Valuation](#)[A];[C];2003
- 4 TIAN Zhi-hui~(1,2)ZHENG Da-wei~1 (1.College of Resource and Environment,China Agricultural University,Beijing 100094,China; 2.Department of Forestry,Beijing Agricultural College);[Evaluation of Ecosystem Service Value in Mountainous Areas of Beijing](#)[A];[C];2006
- 5 Zhang Fengtai~1 Su Weici~(1,2) Zhao Wei-quan~1 (1.Department of Geography,Chongqing Normal University,Chongqing,400047,China 2.Research Center of Environment and Development of Karst Resources,Guiyang,Guizhou,550001,China);[A Research on the Service Value Change in the Urban Ecosystem of Chongqing Based on the LUCC](#)[A];[C];2009
- 6 MA Ai-hui ZHANG An-lu (College of Land Management, Hua zhong Agricultural University ,Wuhan 430070,China);[Cross-regional land eco-compensation of two types of social construction](#)[A];[C];2009
- 7 Ge Shao-yun (Northwest University for Nationalities,Lan zhou 730030,China);[Research on the Drainage Environment enduring Ecological Compensation Mechanism In Ethnic Area — Take the ecological protection and construction projects of Yellow River important water supply ecological functions area of Gannan Tibetan Autonomous Prefect](#)[A];[C];2009

【Secondary Citations】

Chinese Journal Full-text Database

10 Hits

- 1 Xu Qiao He Mengchang Yang Zhifeng Yu Jingshan Mao Xianqiang (Institute of Environmental Sciences, State Key Laboratory of Environment Simulation and Pollution Controls, Beijing Normal University , Beijing 100875);[ASSESSMENT ON URBAN ECOSYSTEM SERVICES OF GUANGZHOU CITY](#)[J];Journal of Beijing Normal University(Natural Science);2003-02
- WU Hou-jian~1,2,WANG Xue-lei~1,NING Long-mei~1,3,LU Yun-feng~1,2(1.Institute of Geodesy and Geophysics.The Chinese Academy of Sciences.Wuhan 430077.China;2.Graduate School of The Chinese

- 2 Academy of Sciences,Beijing 100039,China;3.School of Resource and Environment Sciences,Wuhan University,Wuhan 430072,China);**EFFECTS OF LAND USE CHANGE ON ECOSYSTEM SERVICES VALUE—A CASE STUDY IN WUHAN CITY**[J];Resources and Environment in the Yangtze Basin;2006-02
- LI Jia-lin^{1,2},TONG Yi-qin²,XU Ji-qin³,YANG Xiao-ping²(1.Global Change Information and Research Center,Institute of Geography and Natural Resources,CAS,Beijing 100101;2.Institute of Human Inhabiting Environment,Ningbo University,Ningbo 315211;3.College of Commercial Science,Ningbo University,Ningbo 315211,China);**Ecosystem Services and Their Economic Values on the South Coast of Hangzhouwan Bay**[J];Geography and Geo-Information Science;2004-06
- Zhang Xinshi(Chang Hsin-Shih); Yang Dian'an(Open Laboratory of Quantitative Vegetation Ecology, Institute of Botany, Chinese Academy of Sciences);**ALLOCATION AND STUDY ON GLOBAL CHANGE TRANSECTS IN CHINA**[J];QUATERNARY SCIENCES;1995-01
- LAI Yan bin, XU Xia, WANG Jing ai, WANG Li, YU Yuan yuan, YANG Chun yan (Department of Resources and Environment Science, Beijing Normal University; Key Laboratory of Environment Change and Natural Disaster, The Ministry of Education of China, B);**ANALYSIS OF LUCC PATTERN ON PHYSICAL REGION IN NSTEC**[J];Advance In Earth Sciences;2002-02
- ZHOU Guang-sheng, WANG Yu-hui,JIANG Yan-ling (Laboratory of Quantitative Vegetation Ecology, Institute of Botany, the Chinese Academy of Sciences, Beijing 100093,China);**GLOBAL CHANGE AND WATER-DRIVEN IGBP-NECT,NORTHEAST CHINA**[J];Earth Science Frontiers;2002-01
- 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
- ZHANG Zhi-Qiang^{1,2}, XU Zhong-Min¹, CHENG Guo-Dong¹ (1.State Key Laboratory of Frozen Soil Engineering, Cold and Arid Regions Environmental and Engineering Research Institute, CAS, Lanzhou 730000,China;2.Scientific Information Center for Resourc;**Valuation of ecosystem services and natural capital**[J];Acta Ecologica Sinica;2001-11
- ZHAO Jing¹,XU Ya¹,XIAO Han, ZHAO Tong¹,DUAN Guang¹ (Research Center for Eco\Environmental Sciences, Chinese Academy of Sciences, Beijing 100085,China);**Ecosystem Services Evaluation Based on Comprehensive National Power for Sustainable Development - the Evaluations on 13 Countries**[J];Systems Engineering-theory & Practice;2003-01
- Ouyang Zhiyun, Wang Rusong and Zhao Jingzhu (Research Center for Eco Environmental Sciences,Academia Sinica,Beijing 100080). Chin.J.Appl.Ecol.,1999,10(5):635~640.;**Ecosystem services and their economic valuation.**[J];CHINESE JOURNAL OF APPLIED ECOLOGY;1999-05

