




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

Full-Text Search :

CNKI Search

《Transactions of Oceanology and Limnology》 2009-03

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

[Similar Journals](#)

LOSS APPRAISAL ON THE VALUE OF MARINE ECOSYSTEM SERVICES OF SEA RECLAMATION FOR QIANWAN

ZHANG Hui,SUN Yinglan(College of Environmental Science and Engineering,Ocean University of China,Qingdao 266003,China)

The ecosystem services of Qianwan such as food providing,climate regulating,nutrients cycling,waste accepting and assimilating,cultural and scientific researching,the maintenance of biodiversity were destroyed by sea reclamation.The loss of marine Ecosystem Services of sea reclaimed in Qianwan were assessed used market value method,alternative cost method etc.The total loss of ecological value is 2 814.71 Yuan a year.The most important loss was the value of food providing function,which was 54.5% of the whole loss.Next was the loss of waste accepting and assimilating value,about 33.01%.The results can provide theoretical and scientific basis for the management and distribution of marine resources.

【Key Words】 : **sea reclamation ecosystem service function value appraisal**

【CateGory Index】 : X171.1



Download(CAJ format)



Download(PDF format)

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

- > China Population Resources and Environment
- > Environment
- > Safety and Environmental Engineering
- > Marine Environmental Science
- > Acta Geographica Sinica
- > South-to-North Water Transfers and Water Science & Technology
- > Journal of Shandong Normal University(Natural Science)
- > Bulletin of Soil and Water Conservation
- > Gas & Heat
- > For the Public Good

【Citations】

Chinese Journal Full-text Database

6 Hits

- 1 CHEN Shang~(1,2),ZHANG Zhao-hui~(1,2),MA Yan~1,SHI Hong-hua~(2,3),Ma An-qing~(2,3),ZHENG Wei~(2,3),WANG Qi-xiang~(2,3),PENG Ya-lin~(2,3),LIU Jian~(1,2)(1.Key Labortory for Marine Ecology and Environmental Science,State Oceanic Administration,Qingdao 266061,China;2.First Institute of Oceanography,State Oceanic Administration,Qingdao 266061,China;3.Ocean University of China,Qingdao 266003,China);Program for Service Evaluation of Marine Ecosystems in China Waters[J];Advances in Earth Science;2006-11
- 2 XIN Kun 1,XIAO Du\Ning 2 (1 Department of Biology,Hainan Normal College,Haikou 571158,China;2.The Institute of Applied Ecology, CAS, Shenyang 110016,China).;Wetland Ecosystem Service Valuation — A Case Researches on Panjin Area[J];Acta Ecologica Sinica;2002-08
- 3 WANG Wei~1,LU Jianjian~2((~1School of Life Science,Shanghai University,Shanghai 200444,China;()~2State Key Laboratory of Estuarine and Coastal Research,East China Normal University,Shanghai 200062,China).;An approach on ecosystem services classification and valuation.[J];Chinese Journal of Ecology;2005-11
- 4 LU Zhen bin,DU Qi,QIAN Xiao ming,FANG Min jie,CAI Qing hai,XU Cui ya (Fujian Fisheries Research Institute,Xiamen 361012,China);Estimation of carrying capacity for shellfish culture in Dongshan Bay[J];Journal of Oceanography In Taiwan Strait;2001-04
- 5 Chen Weiqi Zhang Luoping Hong Huasheng Xue Xiongzhi (The Res. Lab. ofSEDCofMEE,Environ. Sci. Res. Center,Xiam en Univ.,Xiam en 361005);A Preliminary Study on Evaluation of CoastalSea Water Environmental Capacity[J];JOURNAL OF XIAMEN UNIVERSITY(NATURAL SCIENCE);1999-06
- 6 PENG Ben-rong1, HONG Hua-sheng1, CHEN Wei-qi1, XUE Xiong-zhi1, CAO Xiu-li1, PENG Jing-ping2(1.State Key laboratory for Marine Environmental Science, Environmental Science Research Center, Xiamen University, Xiamen 361005, China; 2. Law College, Xiamen University, Xiamen 361005, China);Ecological Damage Appraisal of Sea Reclamation:Theory, Method and Application[J];Journal of Natural Resources;2005-05

【Co-citations】

Chinese Journal Full-text Database

10 Hits

- 1 ZHAO Xu-yang et al (The Resource and Environmental Sciences Department, College of Shijiazhuang, Shijiazhuang, Hebei 050035); [Research on the Function Evaluation and Development of Ecotourism Resource in Hutuo River Wetland Guanghuang Area](#)[J]; Journal of Anhui Agricultural Sciences; 2006-15
- 2 ZHANG Jing-song et al (Bureau of Investigation and Plan of National Land Resource of Tieling, Tieling, Liaoning 112000); [Evaluation of the Ecosystem Service Value of Baishi Reservoir](#)[J]; Journal of Anhui Agricultural Sciences; 2008-09
- 3 ZHAO Mei-ling et al (College of Landscape Architecture and Tourism, Hebei Agricultural University, Baoding, Hebei 071000); [Evaluation on the Ecosystem Services of Nanhu Wetland Park in Tangshan City](#)[J]; Journal of Anhui Agricultural Sciences; 2008-14
- 4 HUANG Xiang~(1,3) LI Wei-Hong~2 (1.2 Xinjiang Institute Of Ecology and Geography, Chinese Academy Of Sciences, Urumqi 830011, China; 3. Graduate School, Chinese Academy of Sciences, Beijing 100039, China); [Study of the Function and Value of Ecosystem of Hungriness](#)[J]; Environmental Science and Management; 2006-07
- 5 Li Qinglan1, Ren Jun1, Xu Jiangkun2, Tao Ling1 (1. Institute of Environmental Ecology Environmental science and municipal engineering of Lanzhou Jiaotong University, Lanzhou 730070, China; 2. Jiangsu Xinyuan Environmental protection Co., Ltd, Nanjing 210004, China); [Economic Value of Urban Vegetation Ecosystem Services: A Case Study in Lanzhou](#)[J]; Environmental Science and Management; 2008-01
- 6 PENG Jian~1, 2) WANG Yanglin~1, 2) CHEN Yanfei~1, 2) LI Weifeng~1, 2) JIANG Yiyi~1, 2) (~1) College of Environmental Sciences, Peking University, Beijing, 100871; ~2) Center for Digital City and Urban Landscape, Shenzhen Graduate School, Peking University, Shenzhen, 518057); [Economic Value of Urban Ecosystem Services: A Case Study in Shenzhen](#)[J]; Acta Scientiarum Naturalium Universitatis Pekinesis; 2005-04
- 7 LI Chun-yan~1; ZHAO Mei-xin~2; ZHU Hong-jie~1; ZHANG Yu-guang~1; TONG Li-li~1.1 Environment Science Institute, Harbin Normal University, 150080, P.R. China; 2 Shanghai Zhitian Real Estate Brokerage Company, 200083, P.R. China.; [Service functions and conservation research of wetland ecosystem in north shore of Harbin, northeastern China.](#)[J]; Journal of Beijing Forestry University; 2007-S2
- 8 CAI Bang-cheng, LU Gen-fa, SONG Li-juan, CHEN Ke-liang (State Key Laboratory of Pollution Control and Resource Reuse, School of Environment, Nanjing University, Nanjing 210093, China); [ECO-ECONOMY BENEFIT EVALUATION OF ECOLOGICAL CONSTRUCTION IN THE WATER RESOURCE PROTECTION ZONE FOR EASTERN SOUTH-TO-NORTH WATER TRANSFER PROJECT](#)[J]; Resources and Environment in the Yangtze Basin; 2006-03
- 9 CHEN Zeng-qi~1, CHEN Fei-xing~2, LI Zhan-ling~2, CHEN Yi~3 (1. Zhejiang Design Institute of Water Conservancy and Hydroelectric Power, Hangzhou 310002, China; 2. Environmental Institute, Beijing Normal University, Beijing 100875, China; 3. Biological and Environmental Institute, Zhejiang University of Technology, Hangzhou 310014, China); [Comprehensive evaluation model for ecological economy in coastal wetlands](#)[J]; 2005-03
- 10 CHANG Hsiao-fei1, 2, WANG Yanglin1, 2, LI Zhengguo2, HSUEH Ichen3, 4 (1. Graduate School of Shenzhen, Peking University, Shenzhen 518055, China; 2. College of Environmental Sciences, Peking University, Beijing 100871, China; 3. Graduate Institute of Ecotourism, National University of Tainan, Tainan 700; 4. Department of Landscape Architecture, Tunghai University, Taichung 407); [Construction of Ecological Function Network in Regional Scale: A Case Study in Taiwan Island](#)[J]; Progress in Geography; 2007-03

China Proceedings of conference Full-text Database

2 Hits

- 1 Liu Guangping, Yang Hong College of Marine, Shanghai Ocean University, Shanghai 200090, China; [Evaluation of Estuary Ecosystem Services: A case study in Shanghai Yangtze Estuary](#)[A]; [C]; 2008
- 2 Chen Zengqi Chen feixing Li Zhanling Chen Yi Zhejiang Design Institute of Water Conservancy & Hydroelectric Power, Hangzhou, Zhejiang, 310002 Beijing Environmental Institute, Beijing 100875 Biological and Environmental Institute, Zhejiang Industrial University, Hangzhou, Zhejiang, 310014; [Comprehensive Evaluation Model Study on Ecological Economy in Coastal Wetlands](#)[A]; [C]; 2004

【Secondary Citations】

Chinese Journal Full-text Database

10 Hits

- 1 WU Ling-ling 1 ,LU Jian-jian 1 ,TONG Chun-fu 1 ,LIU Cun-qi 1, 2 (1. State Key Lab. of Estuarine and Coastal Research, East China Normal University, Shanghai 200062, China; 2. College of Life Science, Hebei University, Baoding 071002, China); [VALUATION OF WETLAND ECOSYSTEM SERVICES IN THE YANGTZE RIVER ESTUARY](#)[J]; Resources and Environment in the Yangtze Basin; 2003-05
 - 2 Han Weidong Gao Xiumei (Zhanjiang Ocean University, Zhanjiang, 524088); [STRATEGY OF THE MANGROVES CONSERVATION IN ZHANJIANG](#)[J]; FORESTRY SCIENCE AND TECHNOLOGY; 1998-03
 - 3 YANG Qing-wei, LAN Chong-yu, XIN Kun (School of Life, Zhongshan University, Guangzhou 510275, China); [Evaluation on the value of the ecosystem services of the coastal zone in Guangdong and Hainan](#)[J]; Marine Environmental Science; 2003-04
- Fang Jianguang; Kuang Shihuan; Sun Hulling; Sun Yao; Zhou Shllai; Song Yunli; Cul yi; Zhao Jun; Yang Oinfang and Li Fenz (Yellow Sea Fisheries Research Institute, Oinedao 266071) Jon Grant and Craie

- 4 Emersom(Oceanography Department Dalhousie University ,Halifa;**STUDY ON THE CARRYING CAPACITY OF SANGGOU BAY FOR THE CULTURE OF SCALLOP CHLAMYS FARRERI**[J];MARINE FISHERIES RESEACH;1996-02
- WANG Yong-hua (Shenzhen Beilinyuan Landscape Architecture Planning and Design Co. Ltd, Shenzhen,Guangdong 518045,China)HU Yu-jia (Life Science School,Sun Yat-sen
- 5 University,Guangzhou,Guangdong 510275,China);**Contingent Valuation of the Economic Benefits of Restoring Ecosystem Services of Xincun Bay in Hainan Island**[J];Journal of Yangtze University(Natural Science Edition);2005-02
- ZHUANG Da-chang (Department of Urban and Resource NanJing University,NanJing
- 6 210093,Jiangsu,China);**THE EVALUATION OF THE ECOSYSTEM SERVICES VALUE IN DONGTING LAKE WETLAND**[J];Economic Geography;2004-03
- HAO Yun ,ZhAO Yan ,LIU Ying ,FENG Jiang (Department of Environmental Sciences and
- 7 Engineering,Northeast Normal University,Changchun 130024,China);**Estimating efficiency and functional value of Ecosystem of Xianghai Wetlands Nature Reserve**[J];Forestry Science and Technology;2004-04
- YANG HongSheng, ZHANG FuSui (Institute of Oceanology, Chinese Academy of Sciences,
- 8 Qingdao266071);**ADVANCES OF STUDIES ON CARRYING CAPACITY OF SHALLOW SEA FOR FILTERFEEDING BIVALVE RAFT CULTURE**[J];JOURNAL OF FISHERIES OF CHINA;1999-01
- OUYANG Zhiyun WANG Rusong (Reserch Center for Eco Environmental Sciences, Chinese Academy of
- 9 Sciences, Beijing 100080);**Ecosystem Services and Their Economic Valuation**[J];WORLD SCI-TECH R & D;2000-05
- Du Qi, Lu Zhenbin, Dai Quanshui, Cai Qin Hai Ruan Wuqi, Fang Shaohua, Zhang Yiaoping, Lu Xiaomei (Fujian
- 10 Fisher Research Institue, Xianmen 361012) (Fujian Institue of Oceanology, Xiamen 361012);**The carrying capacity of Tong' an Bay for the culture of shellfish**[J];JOURNAL OF SHANGHAI FISHERIES UNIVERSITY;2000-01

