

[Feedback](#)

- [About](#)
- [Funders](#)
- [Governance](#)
- [Joining Europe PMC](#)
- [Contact us](#)
- [Journal List](#)
- [Grant Lookup](#)
- [Resources](#)
- [Web Services »](#)
 - [SOAP](#)
 - [RESTful](#)
 - [RSS Feeds](#)
 - [FTP Site](#)
 - [OAI Service](#)
 - [Help](#)
 - [FAQs](#)
- [Europe PMC plus](#)
- [Europe PMC labs](#)

Europe PubMed Central

search for...

[Advanced Search](#)

[Recent Activity](#) | [Clipboard](#)

[Evaluation of forest ecosystem services value in Liaoning Province].
(PMID:20879539)

[Wang B](#), [Lu SW](#), [You WZ](#), [Ren XX](#), [Xing ZK](#), [Wang SM](#)

State Forestry Administration Key Laboratory of Forest Ecology and Environment, Institute of Forest Ecology Environment and Protection, Chinese Academy of Forestry, Beijing 100091, China. wangbing@caf.ac.cn
[Ying Yong Sheng tai xue bao = The Journal of Applied Ecology / Zhongguo Sheng tai xue xue Hui, Zhongguo ke xue Yuan Shenyang Ying Yong Sheng tai yan jiu suo zhu ban](#) [2010, 21(7):1792-1798]

Type: Journal Article, Research Support, Non-U.S. Gov't, English Abstract (lang: chi)

Abstract

Highlight Terms

Species(4)

Based on the long-term located observation of forest ecosystem, and by using the 2006 forest resources inventory data of Liaoning Province and the forest industry standard of the People's Republic of China (LY/T 1721-2008, specification for assessment of forest ecosystem services in China), an evaluation was made on the material quantity and services value of main forest ecosystems in fourteen cities of Liaoning Province. In this province, the forest ecosystem services value supplied by water storage, soil conservation, C fixation, O2 release, nutrients accumulation, environment purification, biodiversity conservation, and forest recreation in 2006 was 2591.72 x 10(8) yuan, which was 8.54 times of the forestry production value and 28.02% in the GDP of the province. The services value of water storage, biodiversity conservation, C fixation, and O2 release occupied 79.09% of the total, being the main forest ecosystem services in the province. Economic forest and shrub had smaller per unit services value but larger area, and hence, their ecosystem services value should not be ignored. *Abies fargesii* forest, *Phellodendron amurense* forest, *Juglans mandshurica* forest, and *Fraxinus mandshurica* forest were the representative zonal vegetations in Liaoning Province, which had high value in biodiversity conservation. Under the effects of climate and other factors, the forest area and forest quality in west Liaoning were lower than those in east Liaoning.



Formats

- [Abstract](#)
- [Full Text](#)
- [PDF](#)

[Export citation \(RIS\)](#)

[Email citation](#)

Search by Subject

- [China](#)
- [Conservation of Natural Resources](#)
- [Ecology](#)
- [Ecosystem](#)
- [Trees](#)

[Terms of Use](#) | [Copyright](#) | [Accessibility](#) | [Cookies](#)

Europe PubMed Central is a service of the [Europe PMC Funders' Group](#) working in partnership with the [European Bioinformatics Institute](#), [University of Manchester](#) and the [British Library](#) in cooperation with the [National Center for Biotechnology Information](#) at the [U.S. National Library of Medicine \(NCBI/NLM\)](#). It includes content provided to the [PubMed Central International archive](#) by participating publishers.

