

Username:

Password:

LOGIN

[HOME](#) [CONTACT](#) [My eBook](#)TO CATEGORIES 

1.400.000 PAGES OF RESEARCH	MONTHLY 1.200.000 PAGE VIEWS	OVER 300.000 VISITORS PER MONTH	new E-BOOKS 
------------------------------------	---	--	--

FULLTEXT SEARCH



NEW: Advanced Search

Periodicals:**MSF**

> Materials Science Forum

KEM

> Key Engineering Materials

SSP

> Solid State Phenomena

DDF

> Defect and Diffusion Forum

AMM

> Applied Mechanics and Materials

AMR

> Advanced Materials Research

AST

> Advances in Science and Technology

JNanoR

> Journal of Nano Research

JBBTE

> Journal of Biomimetics, Biomaterials, and Tissue Engineering

JMNM

> Journal of Metastable and Nanocrystalline Materials

JERA

> International Journal of Engineering Research in Africa

AEF

> Advanced Engineering Forum

NH

> Nano Hybrids

> @scientific.net


CONFERENCE**11/16/2012 - 11/18/2012****11/13/2012 - 11/15/2012**

The International Conference on Advanced Er

10/19/2012 - 10/21/2012

2012 International Conference on Vibration, S

[more...](#)

Expansion Research for Nanning Urban Space Development on the Basis of Ecological Network Building	
Journal	Advanced Materials Research (Volumes 361 - 363)
Volume	Natural Resources and Sustainable Development
Edited by	Qunjie Xu, Honghua Ge and Junxi Zhang
Pages	1244-1248
DOI	10.4028/www.scientific.net/AMR.361-363.1244
Citation	Huan Huan Rao et al., 2011, Advanced Materials Research, 361-363, 1244
Online since	October, 2011
Authors	Huan Huan Rao , De Ren Fu , Yao Zhi Huang
Keywords	Ecological Network , Nanning City , Space Expansion
Abstract	Rapid urbanization, Integration of urban and rural areas has brought many negative effects for ecology, living environment and sustainable development, Land for Construction-oriented system of traditional urban planning theory has been far from meeting the increasingly urgent needs of the ecological environment, The system has given the limitations of living environment for improving the performance of the urban landscape ecology, therefore, we need new concept to guide urban ecological environment construction. The article analyses natural environment and space expansion on the basis of existing problems, the article propose specific space expansion method in order to provide reference for city development and active interaction.
Full Paper	 Get the full paper by clicking here

First page example

Advanced Materials Research Vols. 361-363 (2012) pp 1244-1248
Online available since 2011/Oct/07 at www.scientific.net
© (2012) Trans Tech Publications, Switzerland
doi:10.4028/www.scientific.net/AMR.361-363.1244

Expansion research for Nanning urban space development on the basis of ecological network building

Huanhuan Rao^{1, a}, Deren Fu^{1, b}, Yaozhi Huang^{1, c}

¹ Suzhou University of Science and Technology, Jiang Su, China

^a641634344 @QQ.com, ^b781660241@QQ.com, ^chpxxx007@163.com

Keywords: Ecological network, Space Expansion, Nanning

Abstract: Rapid urbanization, Integration of urban and rural areas has brought many negative effects for ecology, living environment and sustainable development, Land for Construction-oriented system of traditional urban planning theory has been far from meeting the increasingly urgent needs of the ecological environment, The system has given the limitations of living environment for improving the performance of the urban landscape ecology, therefore, we need new concept to guide urban ecological environment construction. The article analyses natural environment and space expansion on the basis of existing problems, the article propose specific space expansion method in order to provide reference for city development and active interaction.

Introduction

China's cities are in the stage of rapid development, people-centered, interest for the purpose of driving mechanism, the economic value is the dominant factor for urban space expansion. the traditional theory of urban space expansion focus on land construction layout seriously neglect natural factors which result in separation of city development and ecological construction. therefore, we need one new mode which adapt to the urban ecological environment, reflects the city's internal order, we has vitality and guide of the new space expansion which can guarantee sustainable development of urban. On the basis of this background, combined with Nanning construction case, we shall take an opportunity of water city construction in accordance with our former results. Ecological networks have been built through connection between Landscape patches and ecological corridors on the basis of ecological network theory. at last, urban space development will expansion through ecological network orientation, we accomplish to guide city into nature, that is what we called new mode of ecological network city.

The theory of urban space development on the basis of ecological network

The basic concept of urban ecological network. The basic elements of landscape ecology are patch, corridor and matrix, which can be connected as network by green corridor^[1]. Firstly, it involves national ecology system, ecological network system need building in the view of ecological balance. Ecological network has been built through area size, which are scattered in the national mountains system and large ecological unit, Top ecological safety network is first priority to be regarded as choice for constructing mountain network system, second mountain system, and related unit^[2]. It is difficult to construct three-four band security ecological network in the frequent areas of human activities and ecological fragile area^[3]. Especially band four ecological safety network, Eco-green, landscape open space is covered by the most dense urban areas, economic and social development needs, the rest of green land become broken due to urban construction.

All rights reserved. No part of contents of this paper may be reproduced or transmitted in any form or by any means without the written permission of TTP, www.ttp.net. (ID: 114-249-149-139-21/12/11.04:47:32)