

recent advances in control pdf

1. Introduction. The search for innovative medicines in disease management without compromising on safety and efficacy is a challenge. In spite of significant success in the discovery of new drugs, there are still unmet medical conditions which need effective therapy.

Insoluble drug delivery strategies: review of recent advances and

Summary. Type 1 diabetes (T1D) is caused by an autoimmune attack on pancreatic beta cells that leads to insulin deficiency. The incidence of T1D in Australia has doubled over the past 20 years.

Recent advances in type 1 diabetes | The Medical Journal

The paper reviews recent advances on the foundation of risk assessment and management. â€¢ Trends in perspectives and approaches are identified.

Risk assessment and risk management: Review of recent advances on their

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Abstract. Plastics have outgrown most man-made materials and have long been under environmental scrutiny. However, robust global information, particularly about their end-of-life fate, is lacking.

Science Advances - advances.sciencemag.org

Abstract: Efficient vertical mobility is a critical component of tall building development and construction. This paper investigates recent advances in elevator technology and examines their impact on tall building development.

2. Recent Technological Developments - MDPI

Published as a conference paper at ICLR 2016 CONTINUOUS CONTROL WITH DEEP REINFORCEMENT LEARNING Timothy P. Lillicrap, Jonathan J. Hunt, Alexander Pritzel, Nicolas Heess,

arXiv:1509.02971v5 [cs.LG] 29 Feb 2016

n-Type OECTs for direct detection of lactate. Addressing these mutually stringent requirements in material and device design for enzymatic sensing of metabolites, we report the use of an n-type mixed conductor in an accumulation mode OECT for the detection of lactate.

Direct metabolite detection with an n-type accumulation mode organic

TP53, encoding p53, is one of the most famous tumor suppressor genes. The majority of human cancers demonstrate the inactivation of the p53 pathway. Mutant p53 not only, no longer, functions as a tumor suppressor but can also exert tumor-promoting effects. The basic function of p53 is to respond to cellular stress. We herein review the recent advances in p53 research and focus on apoptosis, cell cycle arrest, and senescence in response to stress. We also review the clinical applications of ...

Recent Advances in p53 Research and Cancer Treatment

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Emotional and physical health benefits of expressive writing | Advances

6 Large dams Under what situations large storages are necessary and feasible for promoting irrigation, drainage or flood control vary according to agroclimatic setting.

Role of Dams for Irrigation, Drainage and Flood Control

The objective of this journal is to communicate recent and projected advances in computer-based engineering techniques. The fields covered include mechanical, aerospace, civil and environmental engineering, with an emphasis on research and development leading to practical problem-solving.

Advances in Engineering Software - Journal - Elsevier

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Advances in Natural Sciences: Nanoscience and Nanotechnology - IOPscience

Antifungal free fatty acids: A Review Carolina H. Pohl, Johan L.F. Kock and Vuyisile S. Thibane Department of Microbial, Biochemical and Food Biotechnology, University of the Free State, Bloemfontein, 9300,

Antifungal free fatty acids: A Review - Formatex

Biological control is an environmentally sound and effective means of reducing or mitigating pests and pest effects through the use of natural...

Biological Control - Journal - Elsevier

Cloud computing is shared pools of configurable computer system resources and higher-level services that can be rapidly provisioned with minimal management effort, often over the Internet.

Cloud computing - Wikipedia

Abstract. Shape memory polymers (SMPs) belong to a class of smart polymers, which have drawn considerable research interest in last few years because of their applications in microelectromechanical systems, actuators, for self healing and health monitoring purposes, and in biomedical devices.

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