

recent advances in intelligent pdf

The globalization of the world's economies is a major challenge to local industry and it is pushing the manufacturing sector to its next transformation – predictive manufacturing.

Recent advances and trends in predictive manufacturing

We give an overview of the basic components of CNN. We discuss the improvements of CNN on different aspects, namely, layer design, activation function, loss function, regularization, optimization and fast computation.

Recent advances in convolutional neural networks

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. It maps out, organizes, and collates complex and scattered information on multiple aspects of elevator design, and presents them in an accessible and non-technical discourse.

2. Recent Technological Developments - MDPI

Drug design, often referred to as rational drug design or simply rational design, is the inventive process of finding new medications based on the knowledge of a biological target. The drug is most commonly an organic small molecule that activates or inhibits the function of a biomolecule such as a protein, which in turn results in a therapeutic benefit to the patient.

Drug design - Wikipedia

With 189 member countries, staff from more than 170 countries, and offices in over 130 locations, the World Bank Group is a unique global partnership: five institutions working for sustainable solutions that reduce poverty and build shared prosperity in developing countries.

Advances and Challenges in Intelligent Transportation

Evolution: The Game of Intelligent Life, also known as Genetic Evolution: The Race for Intelligent Life in Germany and Evoluã: O Jogo da Vida in Brazil, is a life simulation & real-time strategy computer game that allows players to experience, guide, and control evolution from an isometric view on either historical earth or on randomly generated worlds while racing against computer ...

Evolution: The Game of Intelligent Life - Wikipedia

A more fair and safe society, as well as better products and services, can be enabled if the data science industry makes a commitment to hiring and cultivating diverse talent.

InformationWeek, serving the information needs of the

In the age of artificial intelligence (AI), business success will increasingly depend on people and machines collaborating with each other. AI will elevate people's capabilities as workers help intelligent machines to learn and improve.

Future Workforce: Reworking the Revolution | Accenture

Advances in Natural Sciences: Nanoscience and Nanotechnology is an international, peer-reviewed, open-access journal publishing articles on all aspects of nanoscience and nanotechnology.

Advances in Natural Sciences: Nanoscience and

New Technologies for Electric Power Distribution Systems 158 New Technologies for Electric Power Distribution Systems – to Unify Protection/Control Units so They Can Be Incorporated into Intelligent

New Technologies for Electric Power Distribution Systems

1. The maxipok rule 1.1. Existential risk and uncertainty An existential risk is one that threatens the premature extinction of Earth-originating intelligent life or the permanent and drastic destruction of its potential for desirable future development (Bostrom 2002).

Existential Risk Prevention as a Global Priority

article highlights. Three proponents of Intelligent Design (ID) present their views of design in the natural world. Each view is immediately followed by a response from a proponent of evolution (EVO).

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How Technology Is Destroying Jobs - MIT Technology Review

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.

Recent advances in shape memory polymers and composites: a

Leaders embrace automation because they know it's the secret to overcoming the breakneck pace of digital change. The true visionaries use intelligent automation to create a new digital world where they are masters of competitive advantage.

Intelligent Automation – Accenture Technology Vision

Experts envision automation and intelligent digital agents permeating vast areas of our work and personal lives by 2025, but they are divided on whether these advances will displace more jobs than they create.

AI, Robotics, and the Future of Jobs - Pew Research Center

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IBM Research - Home

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[Effects of a Mindfulness based Stress Reduction program on fathers of children with developmental disability.](#)
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