

recent advances in soft computing pdf

In the following sections, we identify broad categories of works related to CNN. Fig. 1 shows the hierarchically-structured taxonomy of this paper. We first give an overview of the basic components of CNN in Section 2. Then, we introduce some recent improvements on different aspects of CNN including convolutional layer, pooling layer, activation function, loss function, regularization and ...

Recent advances in convolutional neural networks

This review reports the recent advances in the most important and straightforward synthetic protocols for incorporating catechols into (bio)polymers, and discusses the emerging applications of these innovative multifunctional materials in biomedical, energy storage and environmental applications.

Recent advances in the synthesis of catechol-derived (bio)

Coral reefs are under threat on multiple fronts, due to the effects of climate change, with the latest predictions suggesting that 'coral bleaching' events (when corals lose the symbiotic algae ...

Recent advances in understanding coral resilience are

<http://www.snl.com/web/client?auth=inherit>

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 ...

Recent Advances in p53 Research and Cancer Treatment

The Oncologist is a journal devoted to medical and practice issues for surgical, radiation, and medical oncologists.

Early Edition Articles (date view) - AlphaMed Press

AirTanker. AirTanker is a consortium made up of leading aerospace, defence and facilities management specialists. They operate and function under intense security oversight while adhering to strict regulatory mandates.

Skillsoft Online Learning Resources | eLearning Providers

The Future of Jobs and Jobs Training. As robots, automation and artificial intelligence perform more tasks and there is massive disruption of jobs, experts say a wider array of education and skills-building programs will be created to meet new demands.

Experts on the Future of Work, Jobs Training and Skills

The underlying mechanism of the transition temperature in ferroelectric 2D SnTe films with a thickness of as little as 2 atomic layers is determined by Stuart S. P. Parkin and co-workers, as described in article number 1804428. The observed high transition temperature, together with the strong spin-orbit coupling and van der Waals structure, underlines the potential of atomically thin SnTe ...

Advanced Materials - Wiley Online Library

Show, Attend and Tell: Neural Image Caption Generation with Visual Attention Kelvin Xu
KELVIN.XU@UMONTREAL.CA Jimmy Lei Ba JIMMY@PSI.UTORONTO.CA Ryan Kiros
RKIROS@CS.TORONTO.EDU Kyunghyun Cho KYUNGHYUN.CHO@UMONTREAL.CA

Show, Attend and Tell: Neural Image Caption Generation with

1 Laboratory for Chemistry and Life Science, Institute of Innovative Research, Tokyo Institute of Technology, 4259 Nagatsuta, Midori-ku, Yokohama 226-8503, Japan. 2 Department of Chemistry, McGill University, Montreal, Quebec, Canada. 3 Precursory Research for Embryonic Science and Technology, Japan ...

Scanning wave photopolymerization enables dye-free

The perspective is part of a series published by Science to explore issues related to the environmental impact of polymers, including their source (petroleum vs. biosources), advances in recycling ...

Scientific advances can make it easier to recycle plastics

THE MILLENNIUM DEVELOPMENT GOALS REPORT 2010 3 Foreword The Millennium Declaration in 2000 was a milestone in international cooperation, inspiring development

The Millennium Development Goals Report - un.org

Another soft ballistic vest, Myeonje baegab, was invented in Joseon, Korea in the 1860s shortly after the French campaign against Korea. The Heungseon Daewongun ordered development of bullet-proof armor because of increasing threats from Western armies. Kim Gi-Doo and Gang Yoon found that cotton could protect against bullets if 10 layers of cotton fabric were used.

Bulletproof vest - Wikipedia

Preliminary versions of economic research. The Euro Crisis in the Mirror of the EMS: How Tying Odysseus to the Mast Avoided the Sirens but Led Him to Charybdis

Economic Research - Federal Reserve Bank of San Francisco

Esophageal achalasia, often referred to simply as achalasia, is a failure of smooth muscle fibers to relax, which can cause the lower esophageal sphincter to remain closed. Without a modifier, "achalasia" usually refers to achalasia of the esophagus. Achalasia can happen at various points along the gastrointestinal tract; achalasia of the rectum, for instance, may occur in Hirschsprung's disease.

[Cima Paper 3b Stage 1: Business Law \(Fblw\): Study Text \(2002\) \(CIMA Study Texts: Foundation Paper\)](#)[The Basic Practice of Statistics \(paper\), Cd-Rom, SPSS Version 15& Online Study Center \(12 Month\) -](#)[Chinese Sexual Astrology: Eastern Secrets to Mind-Blowing Sex - Chasing The Dawn \(Luke Temple #2\) -](#)[Clinical Cardiac MRI \(Medical Radiology / Diagnostic Imaging\) - Calculus Single Variable with Analytical](#)[Geometry: Instructor's Solutions Manual](#)[Computer Solution of Linear Algebraic Systems \(Automatic Computation\) -](#)[Coffee Break Shorts: Bonds](#)[The Breakout Novelist: Craft and Strategies for Career Fiction Writers](#)[The Breaks of the Game -](#)[Chemical and Pharmaceutical Manipulations: A Manual of the Mechanical and Chemo-Mechanical Operations of the Laboratory; For the Use of Chemists, Druggists, Manufacturers, Teachers, and Students \(Classic Reprint\) -](#)[Civil Procedure 2005 Supplement -](#)[Chinese Sugar-Cane and Sugar Making: Its History, Culture, and Adaptation to the Climate, Soil and Economy of the United States, with an Account of Various Processes of Manufacturing Sugar. Drawn from Authentic Sources -](#)[Bruegel \(Masters of Art\) -](#)[Cocker's Arithmetick: Being a Plain and Familiar, Method Suitable to the Meanest Capacity, for the Full Understanding of That Incomparable Art, as It Is Now Taught by the Ablest School-Masters in City and Country ... -](#)[Como No Perder a Nuestros Hijos Cuando Se Van de Casa: Ideas Diarias Para Edificar Una Fe Permanente -](#)[Científicas: Cocinan, limpian y ganan el Premio Nobel \(y nadie se entera\)](#)[El Premio Nobel: Irving Wallace](#)[El Premio Nobel -](#)[Coming Together: At Last \(v1\) -](#)[Citizen's Guide on Using the Freedom of Information Act and the Privacy Act of 1974 to Request Government Records, July 28, 1989: Fourth Report \(House report / 102d Congress, 1st session\)](#)[America \(The Book\): A Citizen's Guide to Democracy Inaction -](#)[Christian-Based Conflict Resolution Lessons for Families: With Songs, Skits, and Simple Steps!](#)[Conflict Resolution Smarts: How to Communicate, Negotiate, Compromise, and More -](#)[Can We Avoid Another Financial Crisis? -](#)[Chaucer: The Prologue to the Canterbury Tales](#)[Unique Publishers Books](#)[nClicks -](#)[Classroom Management for Middle and High School Teachers \(What's New in Ed Psych / Tests & Measurements\) -](#)[Código de Derechos Humanos -](#)[Bye Bye Baby Boy, Big Boy Blues -](#)[Civil Society, Conflict Resolution, and Democracy in Nigeria -](#)[Catalogue of the Greek Coins of Ionia](#)[Greek Coins and Cities -](#)[Constructing Frames of Reference: An Analytical Method for Archaeological Theory Building Using Ethnographic and Environmental Data Sets -](#)[Broken And Bruised Holy And Sanctified -](#)[Church and Organization: A Sociological and Theological Enquiry -](#)[Change Your Life: Hypnosis to Rewire Your Brain, Be Your Best Self and Heal Your Life -](#)[Christ-Centered Sermons: Models of Redemptive Preaching -](#)[Business Essentials, Eighth Canadian Edition, -](#)[Can the Super Rich Country, America Influence Wealth Inequality From outsourcing Strategy](#)[The Influence Of Sea Power Upon History, 1660 - 1783 -](#)[Complete MBA for Dummies/Public Speaking for Dummies](#)[Andy Pruitt's Complete Medical Guide for Cyclists -](#)[Copywriting: Proven Secrets to Influencing Someone to Buy Anything, and Dominate Marketing \(copywriting, writing, influence, persuasion, how to sell, sales, marketing\) -](#)[Control & Dynamic Systems, Volume 48: Manufacturing and Automation Systems: Techniques and Technologies: Advances in Theory and Applications, Part 4 -](#)[Bundle: A Concise Introduction to Logic \(with CourseCard\), 11th + Philosophy CourseMate with eBook Printed Access Card](#)[A Concise Introduction to Engineering Economics -](#)[Canadian Journal of Public Health: 02 -](#)[Control of Electrical Drives -](#)[Catalogue of the Choice Collection of Modern Pictures and Water Colour Drawings of the Continental Schools, of Sir Charles Wakefield, Who Has Given Up His Essex Residence: Which Will Be Sold by Auction by Messrs. Christie, Manson and Woods at Their Great -](#)