

# 论文收集

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CNN-Based Prostate Zonal Segmentation on T2-Weighted MR Images:  
A Cross-Dataset Study

A 3D CNN-LSTM-Based Image-to-Image Foreground Segmentation

Writer-aware CNN for parsimonious HMM-based offline handwritten  
Chinese text recognition

A Large-Scale Database and a CNN Model for Attention-Based  
Glaucoma Detection

Dynamic Graph CNN for Learning on Point Clouds

Fine-Tuning CNN Image Retrieval with No Human Annotation

GETNET: A General End-to-End 2-D CNN Framework for Hyperspectral  
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From BoW to CNN : two decades of texture representation for texture  
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MonoCap: Monocular Human Motion Capture using a CNN Coupled  
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A CNN-RNN Framework for Crop Yield Prediction

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Transformer Transducer: A Streamable Speech Recognition Model with Transformer Encoders and RNN-T Loss  
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Bio-LSTM: A Biomechanically Inspired Recurrent Neural Network for 3D Pedestrian Pose and Gait Prediction  
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A novel framework for semantic segmentation with generative adversarial network  
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ET-GAN: Cross-Language Emotion Transfer Based on Cycle-Consistent Generative Adversarial Networks.  
P<sup>2</sup>-GAN: Efficient Style Transfer Using Single Style Image  
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LC-GAN: Image-to-image Translation Based on Generative Adversarial Network for Endoscopic Images

# CNN

## CNN-Based Prostate Zonal Segmentation on T2-Weighted MR Images: A Cross-Dataset Study

基于 cnn 的 t2加权 MR 图像前列腺区域分割: 一个跨数据集的研究

- 方向: 在前列腺癌症方面核磁共振图像上的应用
- 来源: arXiv: Computer Vision and Pattern Recognition
- 年份: 2020

- 位置: **Neural Approaches to Dynamics of Signal Exchanges** 269-280

## A 3D CNN-LSTM-Based Image-to-Image Foreground Segmentation

基于3D cnn-lstm 的 图像-图像间的 前景分割

- 方向: 对图像的前景分析
- 来源: IEEE Transactions on Intelligent Transportation Systems
- 年份: 2020

## Writer-aware CNN for parsimonious HMM-based offline handwritten Chinese text recognition

与作者书写风格联系的 CNN 简约 hmm 离线手写中文文本识别

- 方向: 混合卷积神经网络隐马尔可夫模型(CNN-HMM)在手写中文文本识别(HCTR)的使用
- 来源: Pattern Recognition
- 年份: 2020

## A Large-Scale Database and a CNN Model for Attention-Based Glaucoma Detection

基于注意力的青光眼大规模检测数据库和 CNN 模型

- 方向: 卷积神经网络在青光眼图像检测上的应用
- 来源: IEEE Transactions on Medical Imaging
- 年份: 2020

## Dynamic Graph CNN for Learning on Point Clouds

用于点云学习的动态图形 CNN

- 方向: CNN对于点云的分类分割
- 来源: ACM Transactions on Graphics
- 年份: 2019

# Fine-Tuning CNN Image Retrieval with No Human Annotation

一种无需人工注释的 CNN 图像检索算法

- 方向：无监督学习下的图像检索
- 来源：IEEE Transactions on Pattern Analysis and Machine Intelligence 模式分析与机器智能汇刊
- 年份：2019

# GETNET: A General End-to-End 2-D CNN Framework for Hyperspectral Image Change Detection

一个通用的端到端的二维 CNN 框架，用于高光谱图像变化检测

- 方向：CNN在高光谱遥测数据上的应用
- 来源：IEEE Transactions on Geoscience and Remote Sensing IEEE 地球科学与遥感汇刊
- 年份：2019

# From BoW to CNN : two decades of texture representation for texture classification

从 BoW 到 CNN: 二十年用于纹理分类的纹理表示 (综述类)

- 方向：计算机视觉 纹理表示领域综述类文章
- 来源：International Journal of Computer Vision
- 年份：2019

# MonoCap: Monocular Human Motion Capture using a CNN Coupled with a Geometric Prior

使用 CNN 和几何先验的单目人体运动捕捉

- 方向：CNN用于三维重建人体姿态
- 来源：IEEE Transactions on Pattern Analysis and Machine Intelligence
- 年份：2019

# Wasserstein CNN: Learning Invariant Features for NIR-VIS Face Recognition Wasserstein CNN

用于 NIR-VIS 人脸识别的不变特征学习

- 方向：高帧率下针对近红外、可见光层面的人脸识别
- 来源：IEEE Transactions on Pattern Analysis and Machine Intelligence
- 年份：2019

# Efficient Deep CNN-Based Fire Detection and Localization in Video Surveillance Applications

视频监控应用中基于深层 CNN 的火灾探测与定位

- 方向：能源友好且计算效率高的CNN在火灾监控领域的应用
- 来源：systems man and cybernetics
- 年份：2019

## RNN

# MV-RNN: A Multi-View Recurrent Neural Network for Sequential Recommendation Mv-rnn

一个多视图的序列推荐递归神经网络

- 方向：应对初期数据不足导致的冷启动问题
- 来源：IEEE Transactions on Knowledge and Data Engineering
- 年份：2020

# Anticipation-RNN: enforcing unary constraints in sequence generation, with application to interactive music generation

预测-rnn: 加强序列生成中的一元约束，应用于交互式音乐生成

- 方向：快速交互式的音乐生成
- 来源：Neural Computing and Applications

- 年份: 2020

## A CNN-RNN Framework for Crop Yield Prediction

作物产量预测的 CNN-RNN 框架

- 方向: CNN-RNN在作物产量预测方面的应用
- 来源: Frontiers in Plant Science
- 年份: 2020

## Toward Safe Retinal Microsurgery: Development and Evaluation of an RNN-Based Active Interventional Control Framework

视网膜显微手术安全性的研究: 基于 rnn 的主动介入控制框架的开发与评价

- 方向: RNN在机器人辅助视网膜手术层面的应用
- 来源: IEEE Transactions on Biomedical Engineering
- 年份: 2020

## Transformer Transducer: A Streamable Speech Recognition Model with Transformer Encoders and RNN-T Loss

可变转换器: 一种带有变压器编码器和 RNN-T 损耗的流化语音识别模型

- 方向: 流式语音识别的应用
- 来源: arXiv: Audio and Speech Processing
- 年份: 2020

## DeepVM: RNN-Based Vehicle Mobility Prediction to Support Intelligent Vehicle Applications

支持智能车辆应用的 DeepVM: 基于 rnn 的车辆移动性预测

- 方向: 预测机动车的移动
- 来源: IEEE Transactions on Industrial Informatics
- 年份: 2020

# LSTN

## LSTM-EFG for wind power forecasting based on sequential correlation features

基于序列相关特征的 LSTM-EFG 风电预测

- 方向：对于风力发电的预报（预测风场特征）
- 来源：science direct-Future Generation Computer Systems
- 年份：2019

## Bio-LSTM: A Biomechanically Inspired Recurrent Neural Network for 3D Pedestrian Pose and Gait Prediction

生物 lstm: 一个受生物力学启发的3 d 步行姿势和步态预测递归神经网络

- 方向：对步态预测避免车辆碰撞
- 来源：arxiv
- 年份：2019

## Fault diagnosis of wind turbine based on Long Short-term memory networks

基于长短期记忆网络的风力发电机组故障诊断

- 方向：用于风力发电机故障诊断的端到端长短期记忆模型
- 来源：science direct
- 年份：2019

## Time series forecasting of petroleum production using deep LSTM recurrent networks

基于深层 LSTM 递归网络的石油产量时间序列预测

- 方向：解决传统费事复杂缺陷的LSTM
- 来源：science direct-Neurocomputing

- 年份：2019

## ST-LSTM: A Deep Learning Approach Combined Spatio-Temporal Features for Short-Term Forecast in Rail Transit

St-lstm: 一种结合时空特征的轨道交通短期预测深度学习方法

- 方向：对于轨道交通事故预警的应用
- 来源：journal of advanced transportation
- 年份：2019

## GAN

### A novel framework for semantic segmentation with generative adversarial network

一种基于生成对抗性网络的语义分割框架

- 方向：GAN在语义分割上的应用
- 来源：Journal of Visual Communication and Image Representation
- 年份：2019

### Feedback GAN for DNA optimizes protein functions

反馈GAN的 DNA 优化蛋白质功能

- 方向：优化合成基因序列以获得期望的性能。
- 来源：nature-machine intelligence
- 年份：2019

### ET-GAN: Cross-Language Emotion Transfer Based on Cycle-Consistent Generative Adversarial Networks.



基于循环一致生成对抗网络的跨语言情感迁移

- 方向：生成任意给定情感类别的高质量情感语音
- 来源：arxiv-sound
- 年份：2020

## P<sup>2</sup>-GAN: Efficient Style Transfer Using Single Style Image

P<sup>2</sup>-GAN: 使用单样式图像的高效样式转换

- 方向：图像风格迁移
- 来源：arXiv: Computer Vision and Pattern Recognition
- 年份：2020

## NAttack! Adversarial Attacks to bypass a GAN based classifier trained to detect Network intrusion

对抗性攻击绕过一个基于 GAN 的分类器训练检测网络入侵

- 方向：使用对抗性攻击来破坏系统
- 来源：arXiv: Learning
- 年份：2020

## LC-GAN: Image-to-image Translation Based on Generative Adversarial Network for Endoscopic Images

Lc-gan: 基于生成式对抗网络的内窥镜图像图像翻译

- 方向：GAN在内窥镜图像数据上的使用
- 来源：arXiv: Computer Vision and Pattern Recognition
- 年份：2020