

awesome-domain-adaptation-object-detection

A collection of papers about domain adaptation object detection. Welcome to PR the works (papers, repositories) that are missed by the repo.

2021

- [\[AAAI\]](#) A Free Lunch for Unsupervised Domain Adaptive Object Detection without Source Data
- [\[AAAI\]](#) Category Dictionary Guided Unsupervised Domain Adaptation for Object Detection
- [\[ARXIV\]](#) Curriculum Self-Paced Learning for Cross-Domain Object Detection

2020

- [\[CVPR\]](#) Harmonizing Transferability and Discriminability for Adapting Object Detectors [\[CODE\]](#)
- [\[CVPR\]](#) Exploring Categorical Regularization for Domain Adaptive Object Detection [\[CODE\]](#)
- [\[CVPR\]](#) Cross-domain Detection via Graph-induced Prototype Alignment [\[CODE\]](#)
- [\[CVPR\]](#) Cross-domain Object Detection through Coarse-to-Fine Feature Adaptation
- [\[ECCV\]](#) Spatial Attention Pyramid Network for Unsupervised Domain Adaptation [\[CODE\]](#)
- [\[ECCV\]](#) Domain Adaptive Object Detection via Asymmetric Tri-way Faster-RCNN
- [\[ECCV\]](#) Collaborative Training between Region Proposal Localization and Classification for Domain Adaptive Object Detection [\[CODE\]](#)
- [\[ECCV\]](#) Prior-based Domain Adaptive Object Detection for Hazy and Rainy Conditions
- [\[ICIP\]](#) Deep Domain Adaptive Object Detection: a Survey
- [\[WACV\]](#) Progressive Domain Adaptation for Object Detection
- [\[WACV\]](#) Multi-Scale Adversarial Cross-Domain Detection with Robust Discriminative
- [\[Berkeley\]](#) Adapting Across Domains by Aligning Representations and Images
- [\[ARXIV\]](#) Unsupervised Domain Adaptation for Object Detection via Cross-Domain Semi-Supervised Learning
- [\[ARXIV\]](#) Prior-based Domain Adaptive Object Detection for Adverse Weather Conditions
- [\[ARXIV\]](#) Unsupervised Domain Adaptive Object Detection using Forward-Backward Cyclic Adaptation
- [\[ARXIV\]](#) Unsupervised Domain Adaptation from Synthetic to Real Images for Anchorless Object Detection [\[CODE\]](#)
- [\[ARXIV\]](#) Domain Adaptive Object Detection via Feature Separation and Alignment
- [\[ARXIV\]](#) Channel-wise Alignment for Adaptive Object Detection
- [\[ARXIV\]](#) Learning a Domain Classifier Bank for Unsupervised Adaptive Object Detection
- [\[ARXIV\]](#) Domain Contrast for Domain Adaptive Object Detection
- [\[ARXIV\]](#) Thermal Object Detection using Domain Adaptation through Style Consistency
- [\[ARXIV\]](#) Deeply Aligned Adaptation for Cross-domain Object Detection
- [\[ARXIV\]](#) Adaptive Object Detection with Dual Multi-Label Prediction
- [\[ARXIV\]](#) Adapting Object Detectors with Conditional Domain Normalization [\[CODE\]](#)
- [\[ARXIV\]](#) Unbiased Mean Teacher for Cross Domain Object Detection
- [\[ARXIV\]](#) Unsupervised Image-generation Enhanced Adaptation for Object Detection in Thermal images
- [\[ARXIV\]](#) Prior-based Domain Adaptive Object Detection for Hazy and Rainy Conditions

2019

- [\[IJCNN\]](#) Cross-Domain Car Detection Using Unsupervised Image-to-Image Translation: From Day to Night [\[Project\]](#)
- [\[ICCV\]](#) Self-Training and Adversarial Background Regularization for Unsupervised Domain Adaptive One-Stage Object Detection
- [\[ICCV\]](#) A Robust Learning Approach to Domain Adaptive Object Detection
- [\[ICCV\]](#) Multi-adversarial Faster-RCNN for Unrestricted Object Detection
- [\[CVPR\]](#) Exploring Object Relation in Mean Teacher for Cross-Domain Detection
- [\[CVPR\]](#) Adapting Object Detectors via Selective Cross-Domain Alignment [\[CODE\]](#)
- [\[CVPR\]](#) Automatic adaptation of object detectors to new domains using self-training [\[Project\]](#)
- [\[CVPR\]](#) Towards Universal Object Detection by Domain Attention
- [\[CVPR\]](#) Strong-Weak Distribution Alignment for Adaptive Object Detection [\[CODE\]](#)
- [\[CVPR\]](#) Diversify and Match: A Domain Adaptive Representation Learning Paradigm for Object Detection [\[CODE\]](#)
- [\[BMVC\]](#) Domain Adaptation for Object Detection via Style Consistency
- [\[ARXIV\]](#) SCL: Towards Accurate Domain Adaptive Object Detection via Gradient Detach Based Stacked Complementary Losses [\[CODE\]](#)

2018

- [\[CVPR\]](#) Cross-Domain Weakly-Supervised Object Detection Through Progressive Domain Adaptation
- [\[CVPR\]](#) Domain Adaptive Faster R-CNN for Object Detection in the Wild [\[Caffe2\]](#) [\[Caffe\]](#)