













- 10 Redmon J, Divvala S, Girshick R, *et al.* You only look once: Unified, real-time object detection. Proceedings of 2016 IEEE Conference on Computer Vision and Pattern Recognition. Las Vegas, NV, USA. 2016. 779–788. [doi: [10.1109/CVPR.2016.91](https://doi.org/10.1109/CVPR.2016.91)]
- 11 Liu W, Anguelov D, Erhan D, *et al.* SSD: Single shot MultiBox detector. Proceedings of the 14th European Conference on Computer Vision. Amsterdam, The Netherlands. 2016. 21–37. [doi: [10.1007/978-3-319-46448-0\\_2](https://doi.org/10.1007/978-3-319-46448-0_2)]
- 12 Mahdianpari M, Salehi B, Rezaee M, *et al.* Very deep convolutional neural networks for complex land cover mapping using multispectral remote sensing imagery. Remote Sensing, 2018, 10(7): 1119. [doi: [10.3390/rs10071119](https://doi.org/10.3390/rs10071119)]
- 13 He KM, Zhang XY, Ren SQ, *et al.* Deep residual learning for image recognition. Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition. Las Vegas, NV, USA. 2016. 770–778. [doi: [10.1109/CVPR.2016.90](https://doi.org/10.1109/CVPR.2016.90)]
- 14 Shi WW, Gong YH, Tao XY, *et al.* Fine-grained image classification using modified DCNNs trained by cascaded softmax and generalized large-margin losses. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30(3): 683–694. [doi: [10.1109/TNNLS.2018.2852721](https://doi.org/10.1109/TNNLS.2018.2852721)]
- 15 Lin TY, Goyal P, Girshick R, *et al.* Focal loss for dense object detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018. [doi: [10.1109/TPAMI.2018.2858826](https://doi.org/10.1109/TPAMI.2018.2858826)]
- 16 唐聪, 凌永顺, 郑科栋, 等. 基于深度学习的多视窗 SSD 目标检测方法. 红外与激光工程, 2018, 47(1): 0126003.
- 17 Nasr MB, Chtourou M. A constructive based hybrid training algorithm for feedforward neural networks. Proceedings of 2009 6th International Multi-conference on Systems, Signals and Devices. Djerba, Tunisia. 2009. 1–4. [doi: [10.1109/SSD.2009.4956675](https://doi.org/10.1109/SSD.2009.4956675)]
- 18 He KM, Zhang XY, Ren SQ, *et al.* Identity mappings in deep residual networks. Proceedings of the 14th European Conference on Computer Vision. Amsterdam, The Netherlands. 2016. 630–645. [doi: [10.1007/978-3-319-46493-0\\_38](https://doi.org/10.1007/978-3-319-46493-0_38)]
- 19 肖尧. 小型飞行平台视频目标检测与跟踪技术研究[硕士学位论文]. 西安: 西安电子科技大学, 2018.