Generative Adversarial Nets
Goodfellow and Bengio
Paper introducing the generative adversarial networks. Everything you do is build on it. I think it is best to skip chapter 4. I do not think I understand it myself

Unpaired Image-to-Image Translation using Cycle-Consistent Adversarial Networks
Zhu and Park
Paper introducing the cycleGAN.

On the replication of CycleGAN
Robin Elbers and Acuarelli
A semester thesis that could help you with understanding the GANs

UDCT: Unsupervised data to content transformation with histogram-matching cycle-consistent generative adversarial networks
Ihle and Forro
Our paper that builds on top of the cycleGAN

Automated Segmentation of Epithelial Tissue Using Cycle-Consistent Generative Adversarial Networks
Häring and Eule
An approach that is similar to what we have been doing

Count-ception: Counting by Fully Convolutional Redundant Counting
Cohen and Bengio
The supervised network architecture that we are trying to compare our cycleGAN to