

Supplementary: MicroCT analysis of connectivity in porous structures:
optimising data acquisition and analytical methods in the context of
tissue-engineering

1. Pore size distribution of artificial datasets

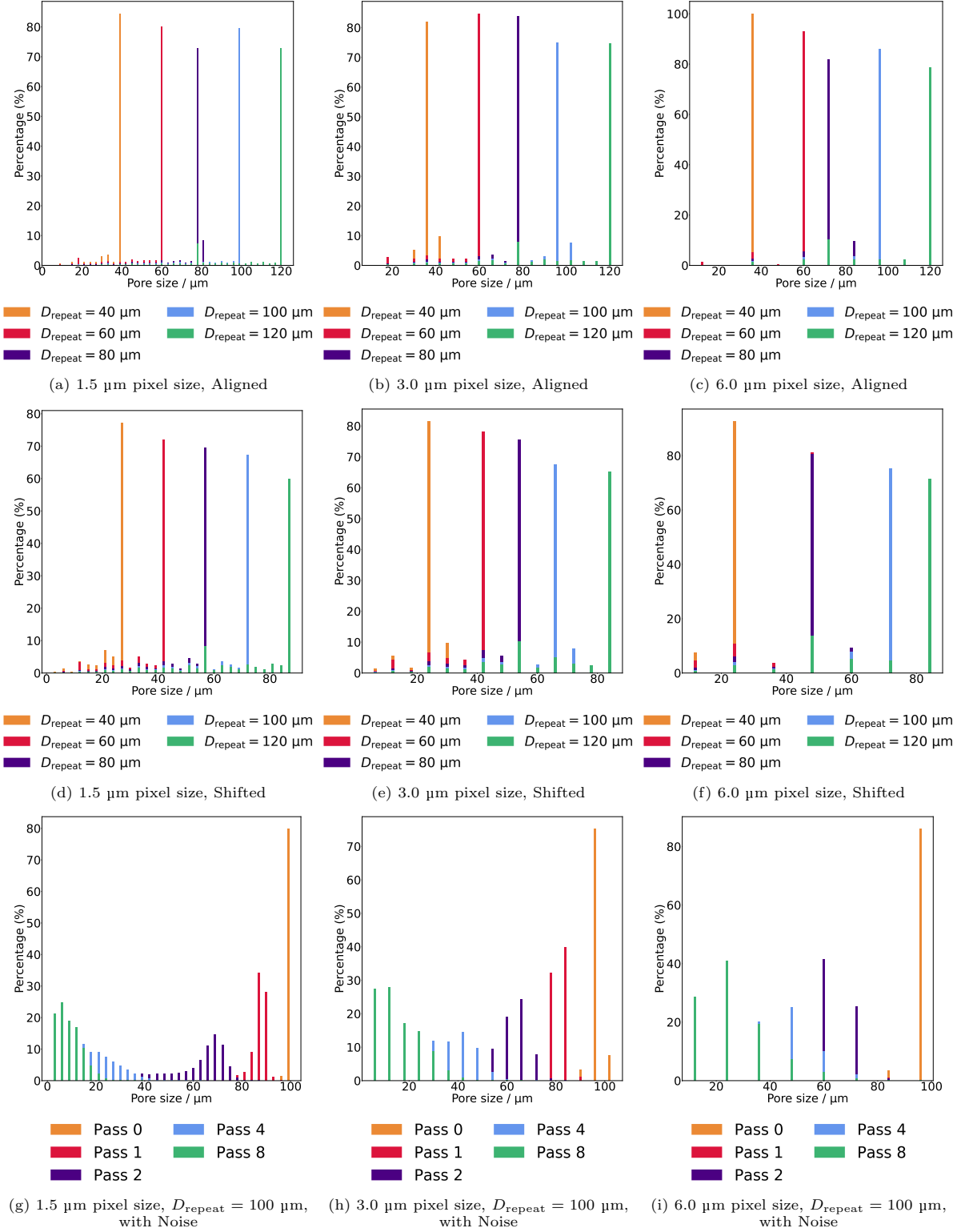


Figure 1: Pore size distribution for aligned, shifted and noisy lattices at different simulated pixel sizes and simulated pore sizes.

2. Interconnectivity of artificial datasets

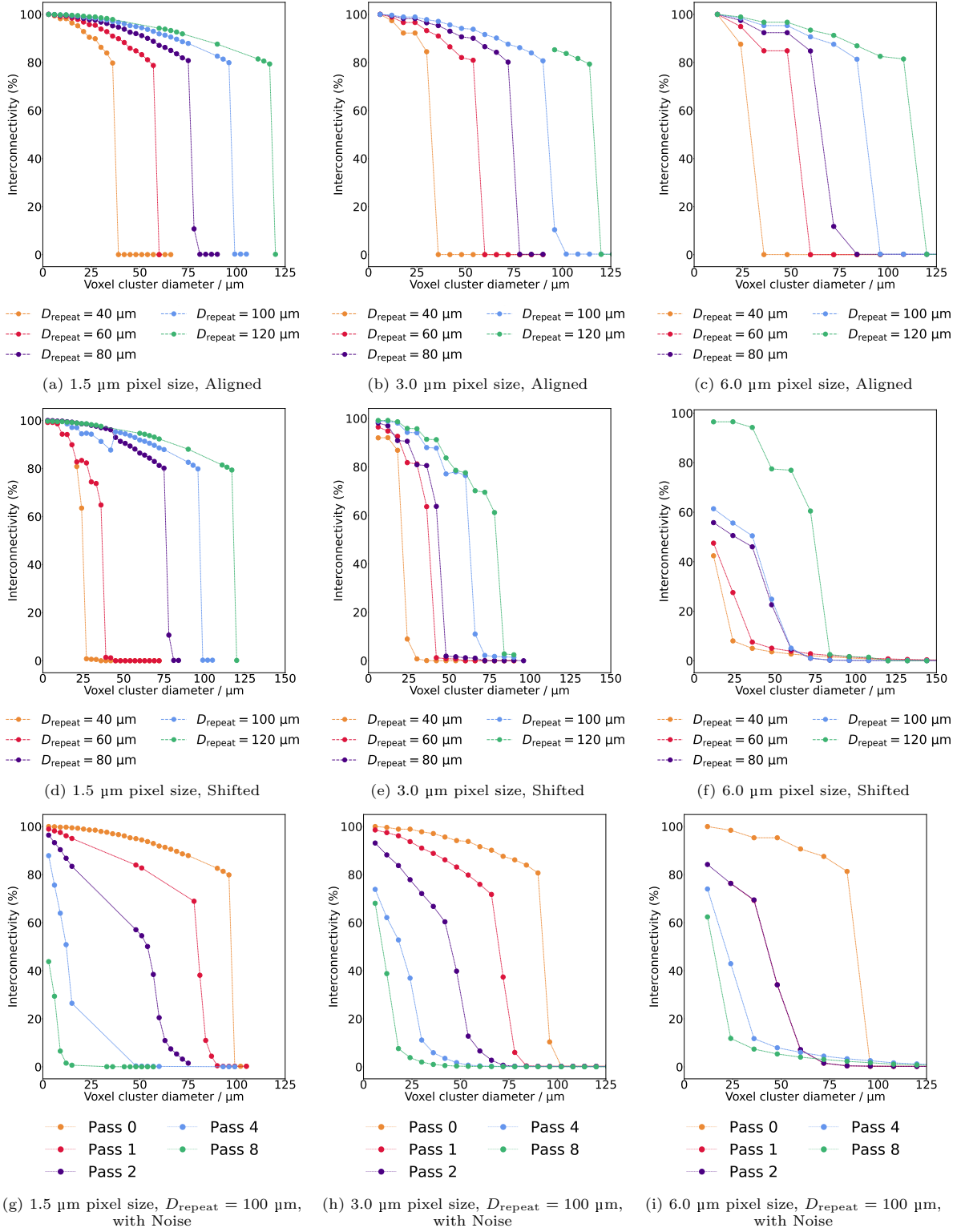


Figure 2: Volume interconnectivity for aligned, shifted and noisy lattices at different simulated pixel sizes and simulated pore sizes.

3. Percolation diameters of artificial datasets

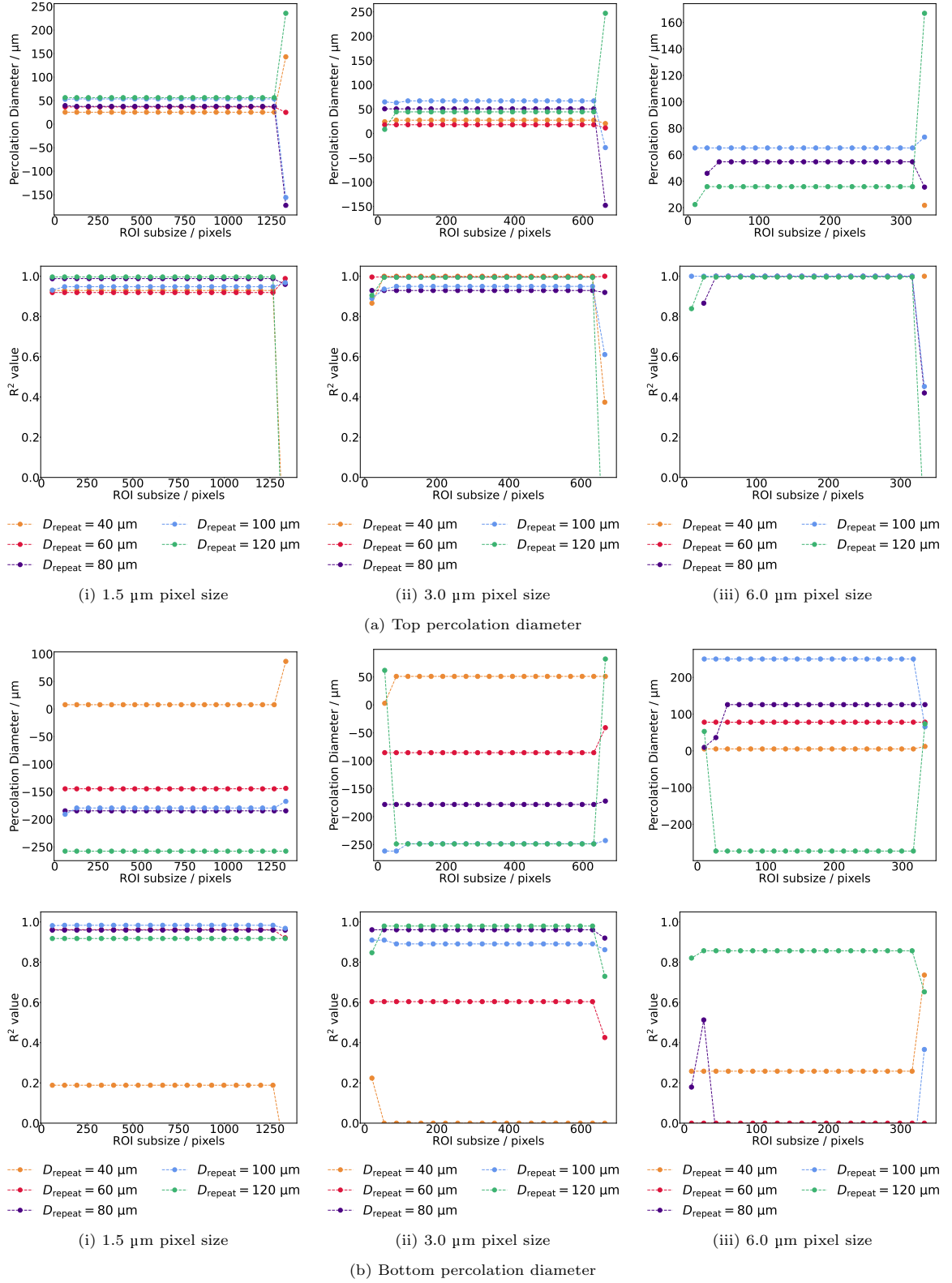


Figure 3: Percolation diameter of shifted datasets determined as a function of ROI subsize using the left subdivision algorithm.

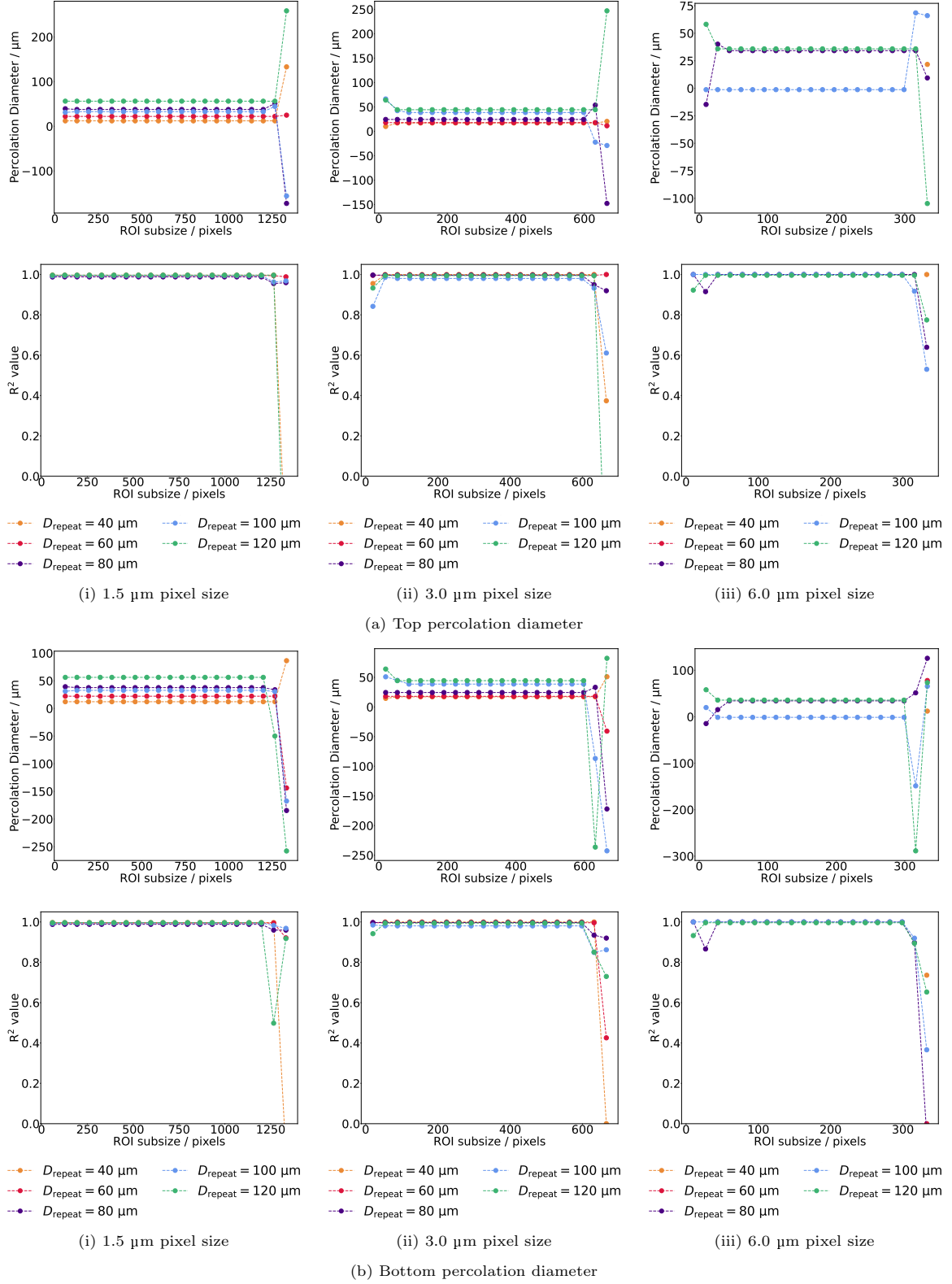


Figure 4: Percolation diameter of shifted datasets determined as a function of ROI subsize using the centre subdivision algorithm.

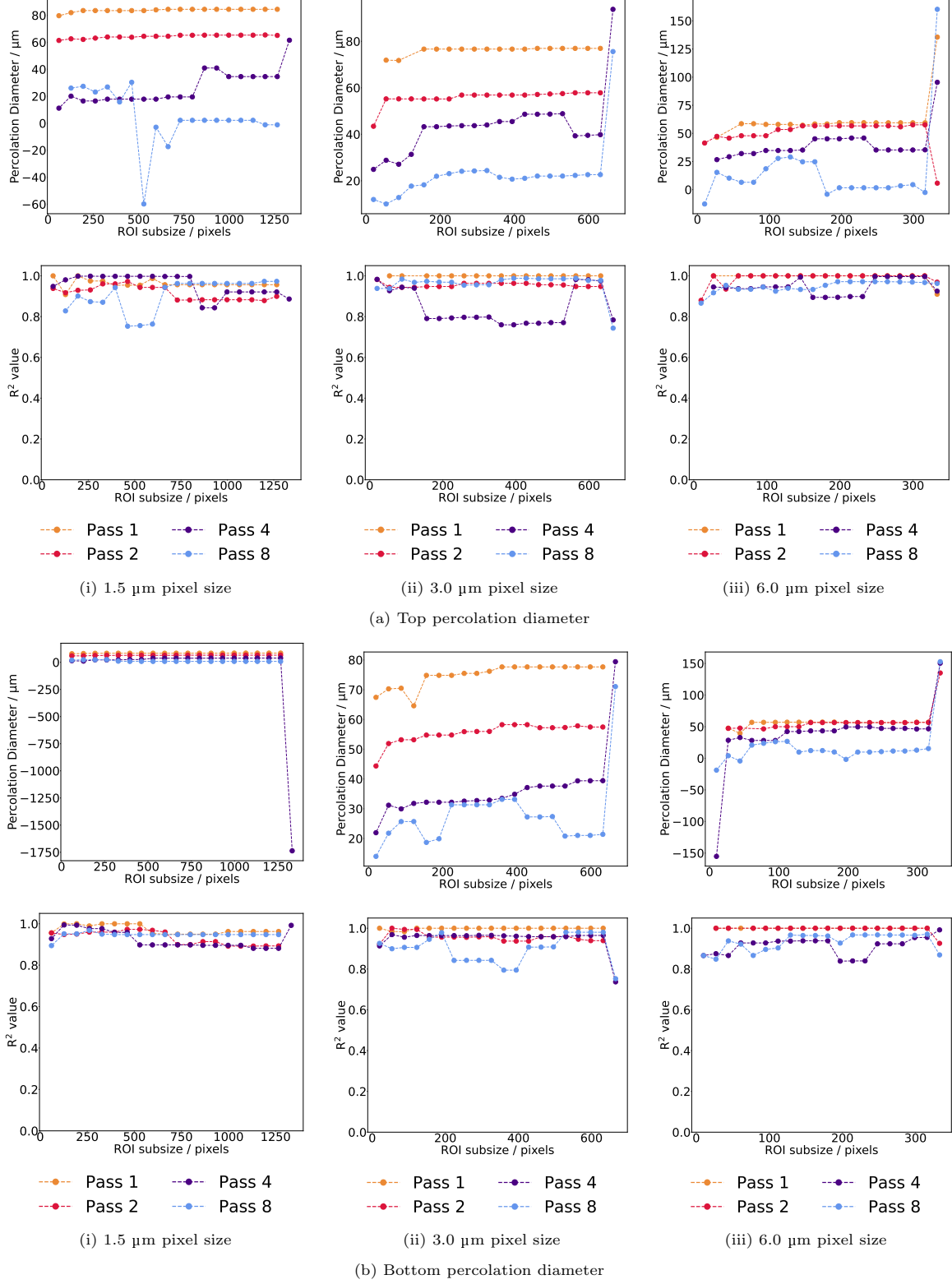


Figure 5: Percolation diameter of datasets with added passes of noise determined as a function of ROI subsize using the left subdivision algorithm.

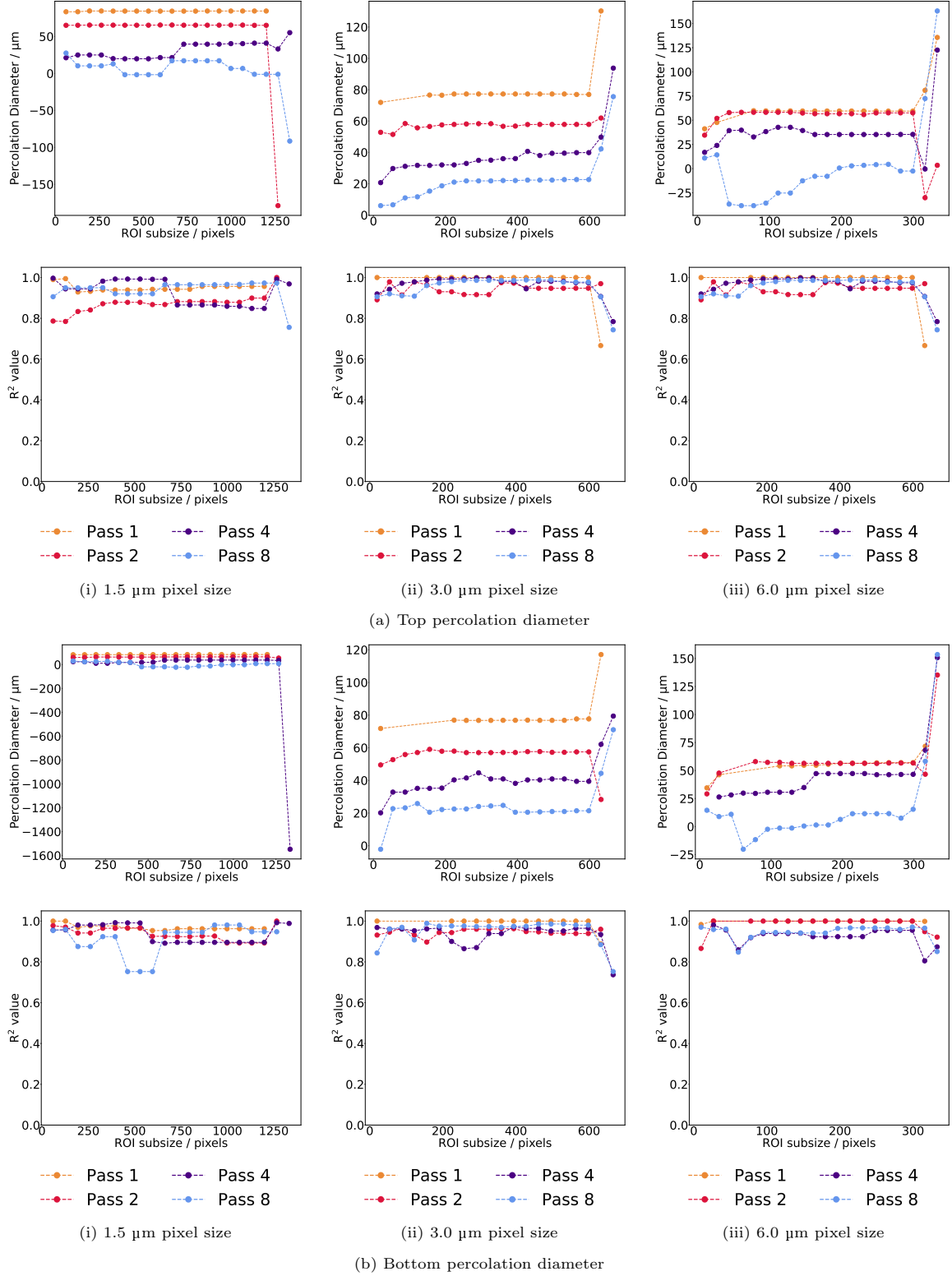


Figure 6: Percolation diameter of datasets with added passes of noise determined as a function of ROI subsize using the centre subdivision algorithm.

4. Pore size distribution of real datasets

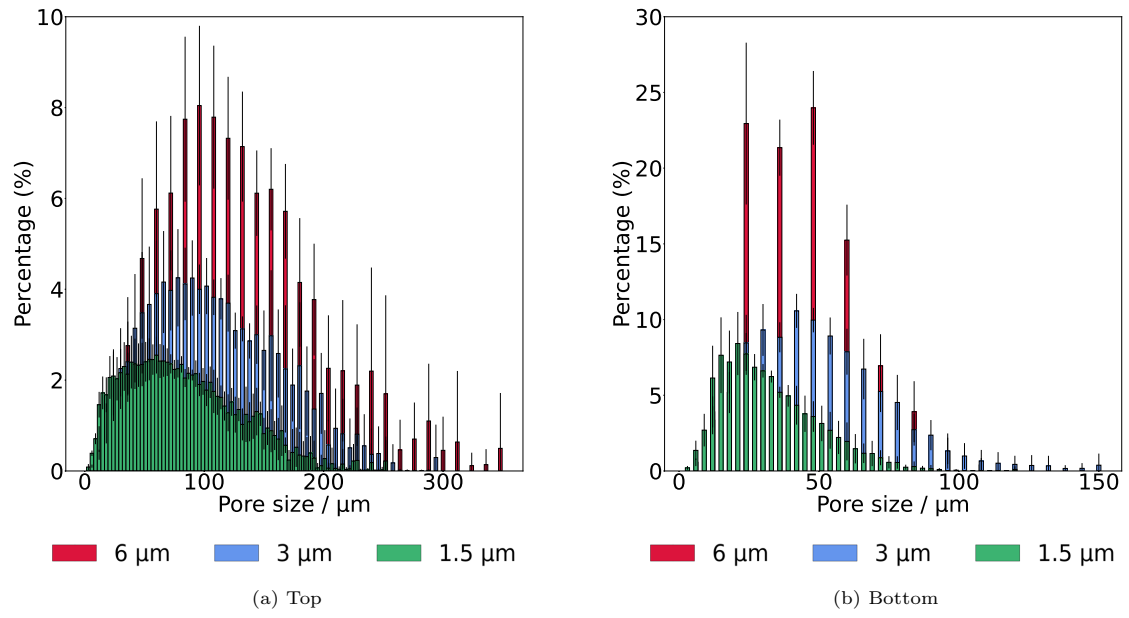


Figure 7: Pore size distributions