

Swelling of Individual Cellulose Nanofibrils in Water, Role of Crystallinity - an AFM Study

Supplementary Materials

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Supplementary Material

0.1 Statistical analysis

Table S1 Statistical descriptors for control samples. Left portion of the current table shows results of Welch two-sample t-tests comparing measured change in fibril/wire diameter across sequential scans. Positive and negative t-values indicate increase or decrease in measured diameter relative the control sample (in air). df is short for "degrees of freedom". The right side of the table shows descriptors for the different samples (not comparing them with others). All values in right portion of table are in nm.

Tested sample	t-test			Distribution descriptors (nm)		
	p	t	df	Mean	Median	St. deviation
High air	0.8296	-0.2156	139.58	-0.04081	-0.04311	0.1902998
High water	0.000219	-1.9416	125.33	-0.5267	-0.3578	1.134744
Low air	0.8812	0.1498	99.659	-0.01305	0.04304	0.5972793
Low water	0.02361	-2.2917	124.05	-0.7588	-0.5613	1.817883
Control-control	0.001181	3.3131	136.52	-	-	-
Control water	-	-	-	0.071400	0.070187	0.1631803
control air	-	-	-	-0.001172	0.003151	0.1290036

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