

Methacrylic Acid Based Polymer Networks with High Content of Unfunctionalized Nanosilica: Particle Distribution, Swelling and Rheological Properties

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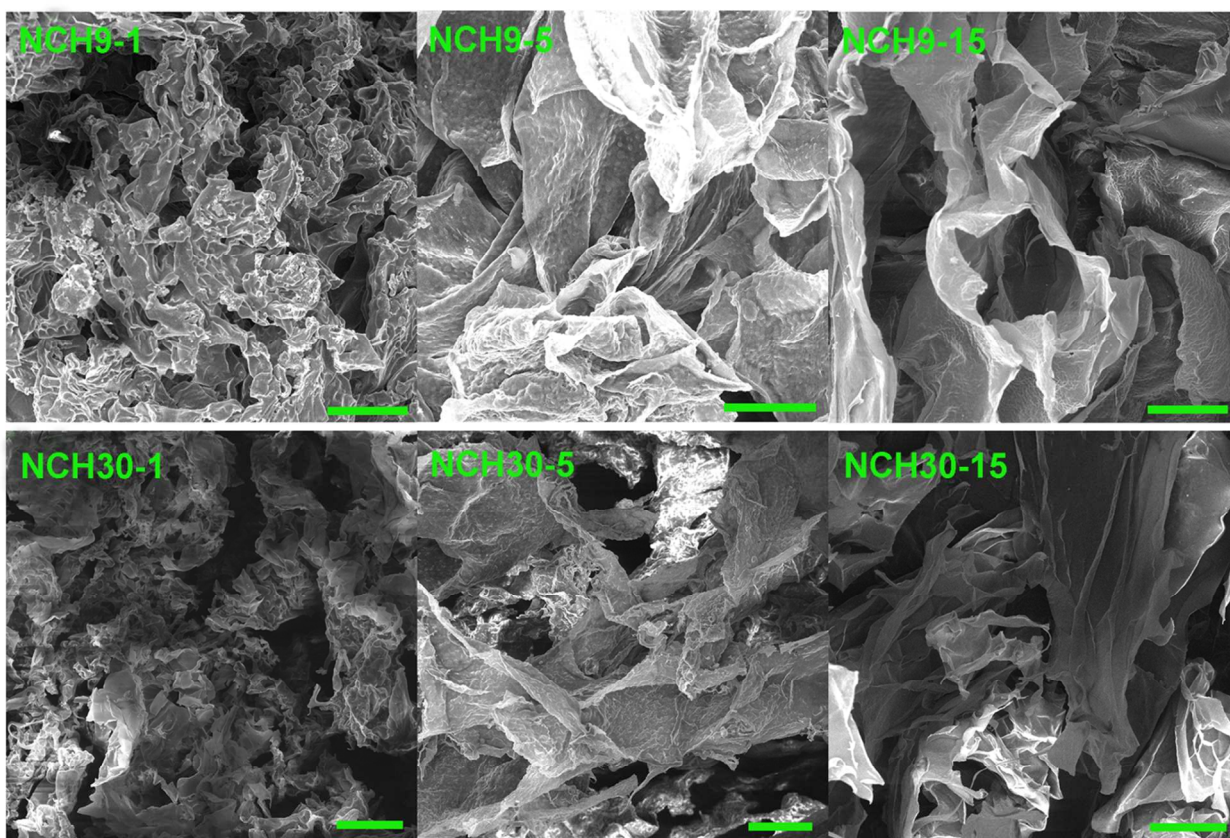


Figure S1. FEG-SEM micrographs of NC hydrogels; bars: 50 μm .

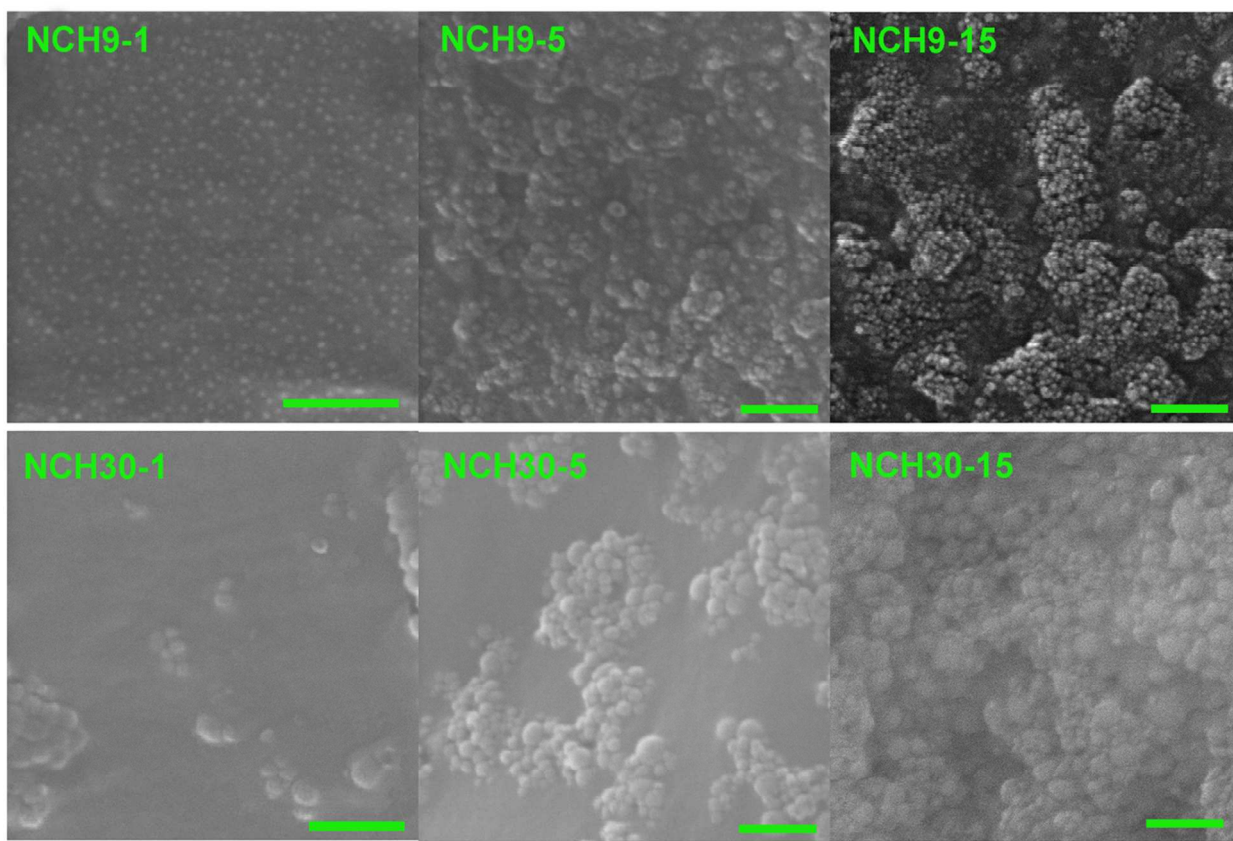


Figure S2. FEG-SEM micrographs of NC hydrogels; bars: 200 nm.

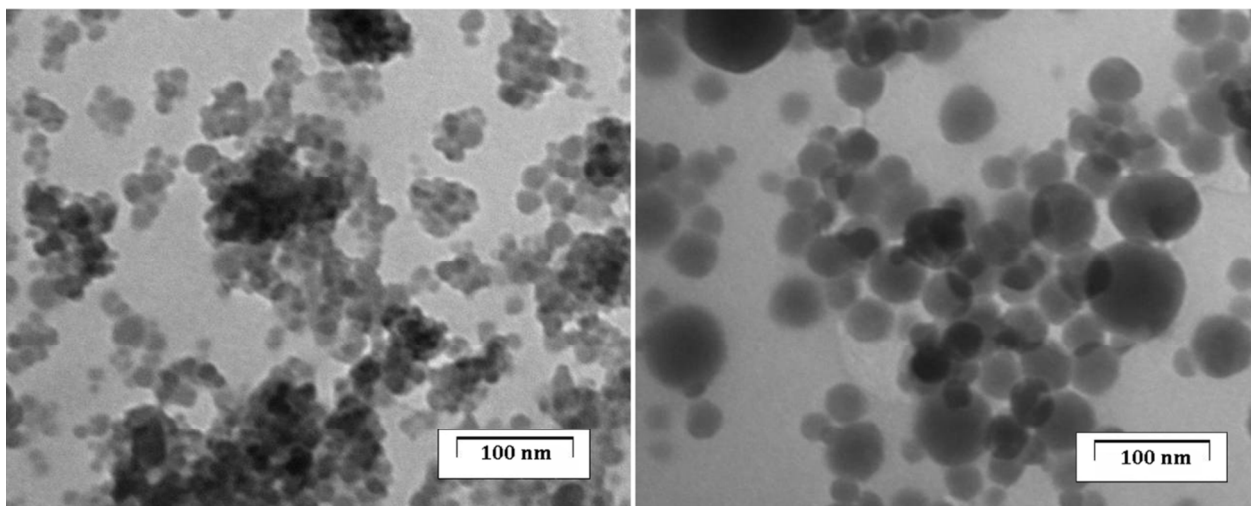


Figure S3: TEM micrographs of NC hydrogels.

<i>Sample</i>	SD_{eq,H_2O}	$SD_{eq, NaCl}$	G'_p, Pa	G'_{red}, kPa
NCH9-3(0.15 g SiO ₂)	254	25.8	5252	6.90
NCH9-4(0.20 g SiO ₂)	231	22.3	5935	7.56
NCH9-7(0.35 g SiO ₂)	167	15.2	5150	5.88
NCH30-3(0.15 g SiO ₂)	326	26,1	4760	4.56
NCH30-4(0.20 g SiO ₂)	310	23.5	4851	4.72
NCH30-7(0.35 g SiO ₂)	280	17,9	4220	3.97

Table T1: Swelling and DMA properties of additional samples: NCH9-3, NCH9-4 and NCH9-7.