

Supplementary

Influence of the sulfur content catalyst on the packing density of carbon nanotube forests

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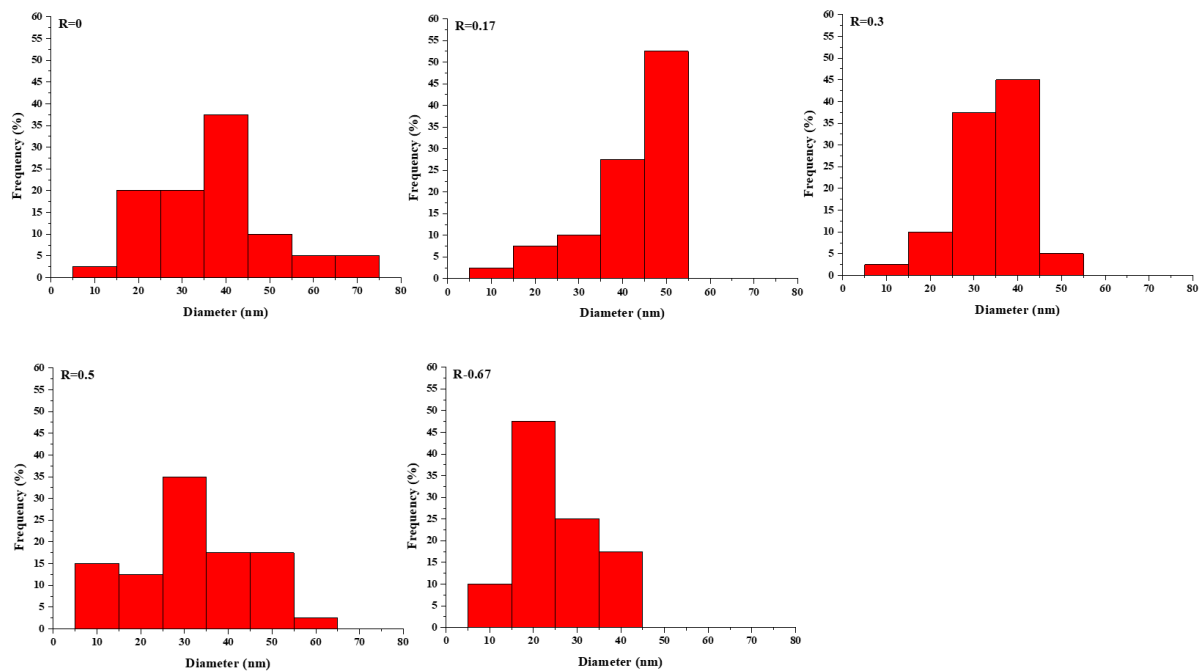


Figure S1. Size Distribution of CNT with various R; (a) R = 0, (b) R = 0.17, (c) R = 0.3, (d) R = 0.5, and (e) R = 0.67

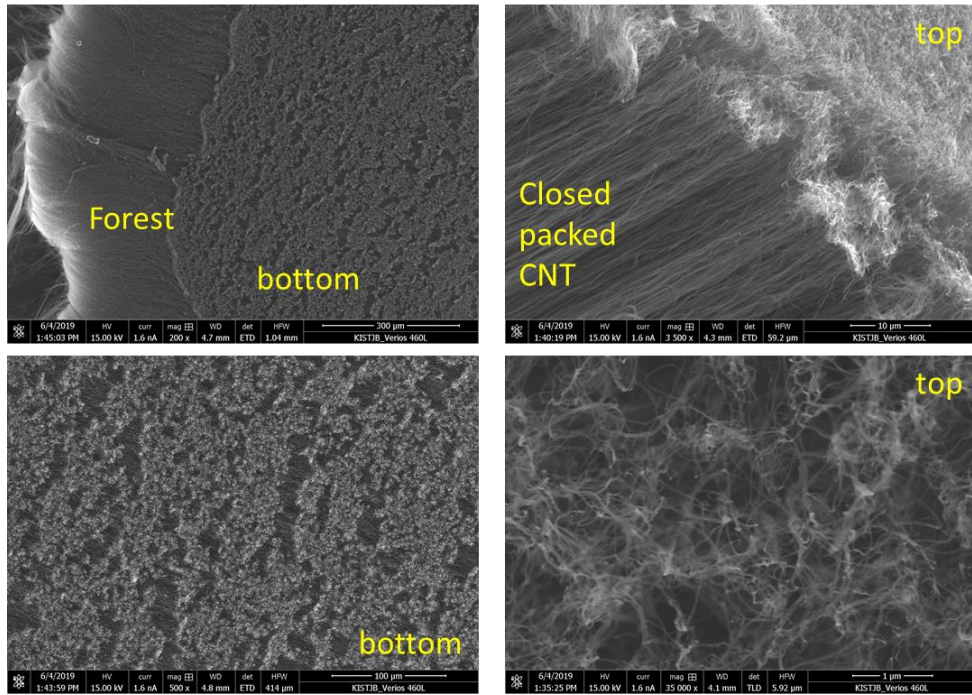


Figure S2. SEM images of top and bottom view of CNT forest with various $R = 0$.

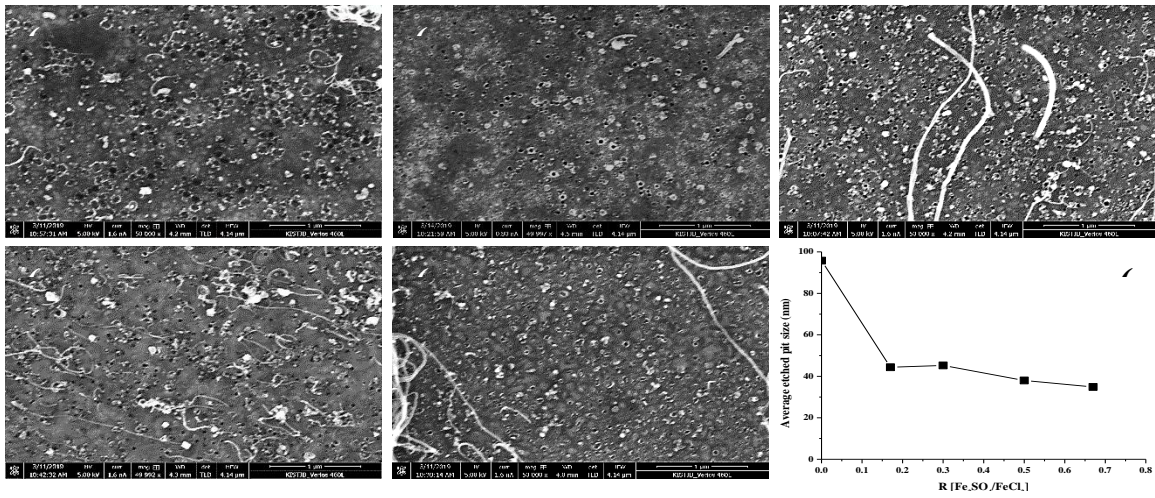


Figure S3. SEM images of substrate after removing CNT forest with various R ; (a) $R = 0$, (b) $R = 0.17$, (c) $R = 0.3$, (d) $R = 0.5$, and (e) $R = 0.67$

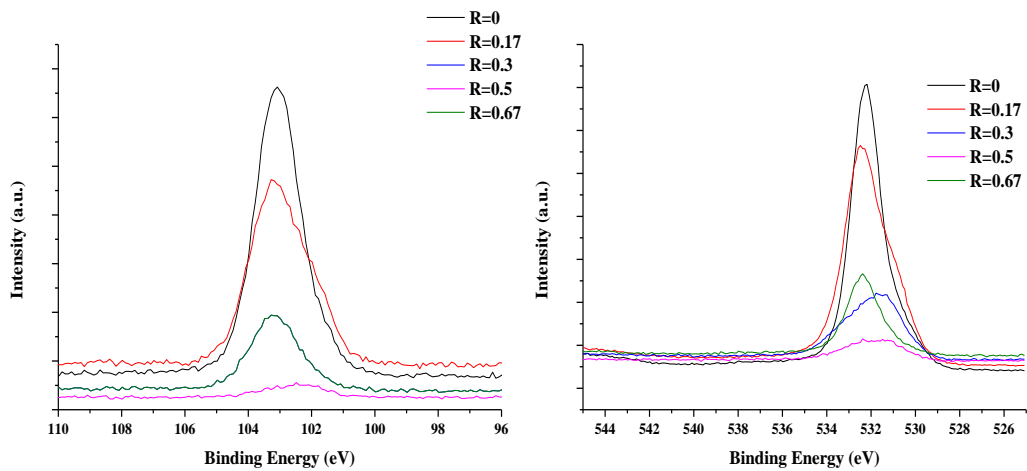


Figure S4. O1s and Si 2p XPS spectra of substrate after removing the CNT forests with different R values.

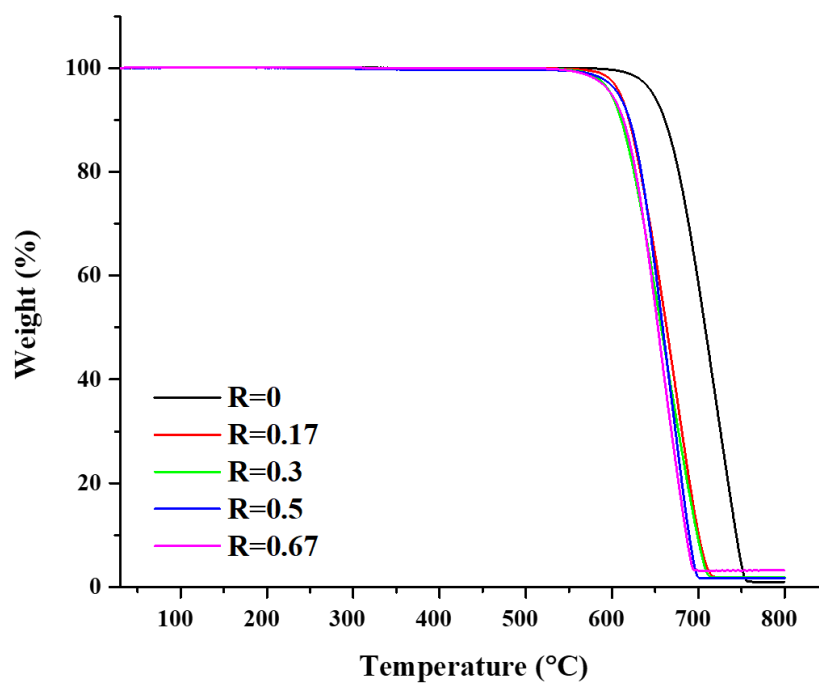


Figure S5. TG of the grown CNT forest.

Table S1. Spinnability of CNT and their purity

No.	R	Spinnability	Purity (contents of C%)
(a)	0	None	99%
(b)	0.17	Spinnable	98%
(c)	0.3	Spinnable	98%
(d)	0.5	Spinnable	98%
(e)	0.67	None	97%

