

Efficient Functionalization of Carbon Nanohorns via Microwave Irradiation[†]

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Supplementary Information

a) Functionalization of 2a				b) Functionalization of 2b			
Step	Power (W)	Hold time (min.)	Temperature (°C)	Step	Power (W)	Hold time (min.)	Temperature (°C)
1	50	0.3	130	1	30	1	110
2	30	1	131	2	20	1	115
3	50	0.3	140	3	30	1	125
4	30	1	145	4	20	1	130
5	50	60	160	5	30	40	140

Figure S1. Irradiation steps used at the CEM microwave

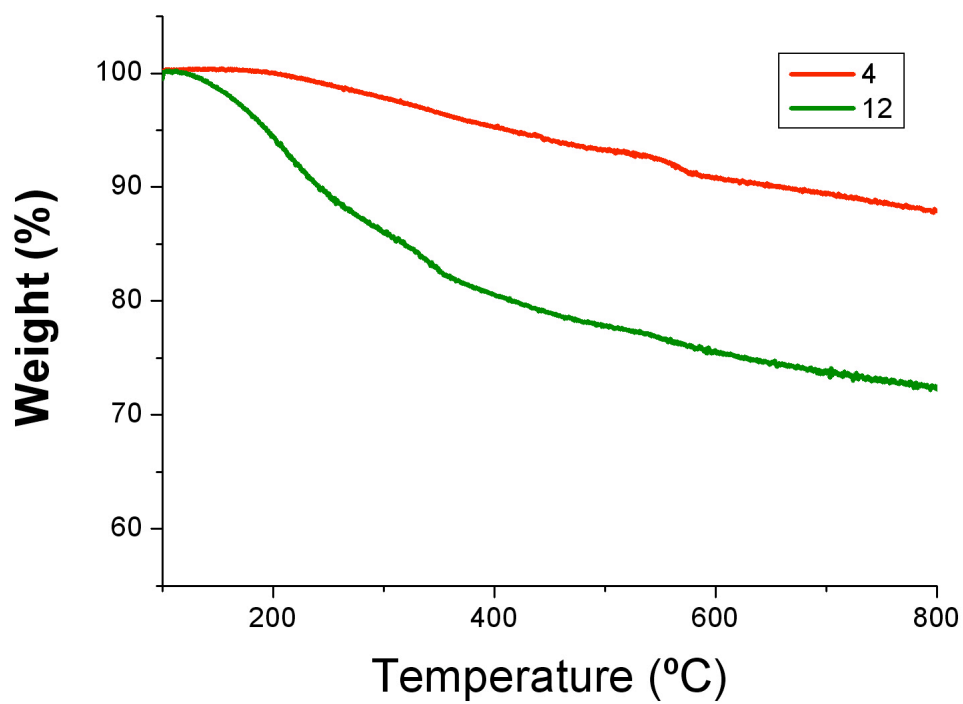


Figure S2: TGA analysis of the *f*-CNHs 4, *f*-CNHs 12.

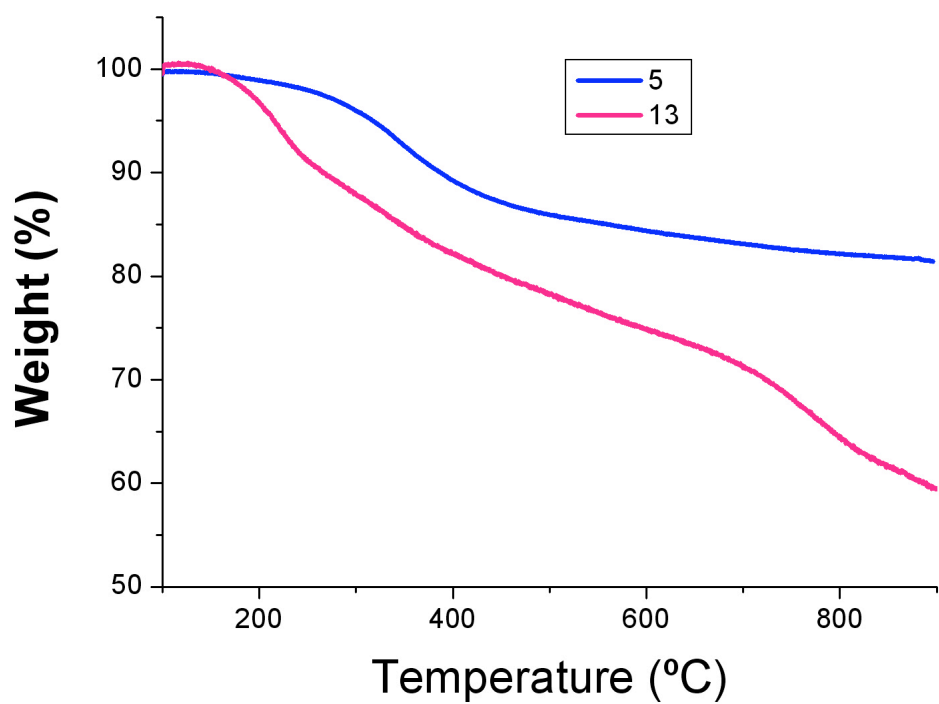


Figure S3: TGA analysis of the *f*-CNHs 5, *f*-CNHs 13.

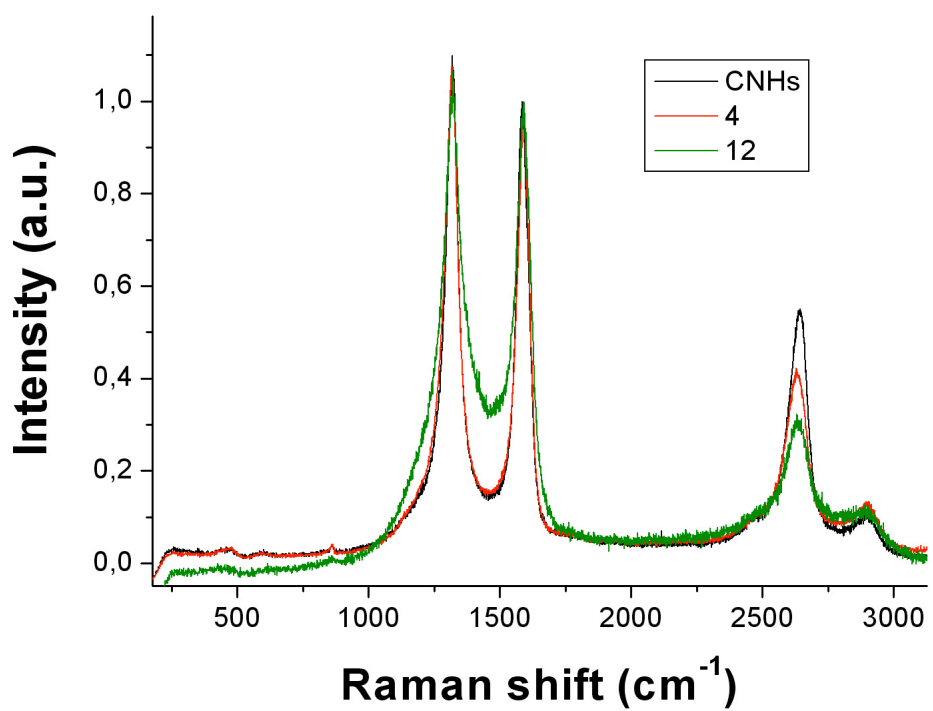


Figure S4: Raman spectra (633 nm) of Pristine CNHs, *f*-CNHs 4 and *f*-CNHs 12