

Table S1. The identification of notable mass decreases of the hydrothermal APCs in particular temperature intervals.

		Water			Amine		Cellulose	
	Thermal stability	Temperature interval 1. / °C	Mass decrease / wt. %	Stability after dehydration	Temperature interval 2. / °C	Mass decrease / wt. %	Temperature interval 3. / °C	Mass decrease / wt. %
C	58.8	58.8-136.9	7.6	136.9-288.0	X	X	288.0-511.0	92.4
C+DETA	43.5	43.5-115.2	5.0	115.2-265.3	265.3-332.3	22.1	332.3-508.9	72.9
C+BAPE	53.8	53.8-134.1	8.5	134.1-254.8	254.8-341.4	25.4	341.4-542.2	66.1
C+MELA	39.9	39.9-163.3	11.1	163.3-315.7	315.7-380.1	20.4	380.1-517.4	68.5
C+DETA (P)	X	X	X	115.2-265.3	265.3-332.3	22.7	332.3-508.9	77.3
C+BAPE (P)	X	X	X	134.1-254.8	254.8-341.4	27.1	341.4-542.2	72.9
C+MELA (P)	X	X	X	163.3-315.7	315.7-380.1	22.7	380.1-517.4	77.3