Supporting Information for

## Improved Functionality of Graphene and Carbon Nanotube Hybrid Foam Architecture by UV-ozone Treatment

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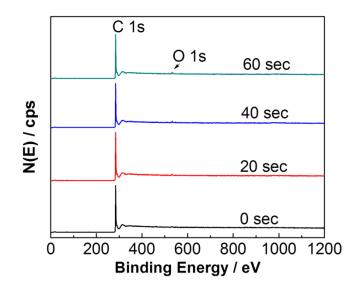
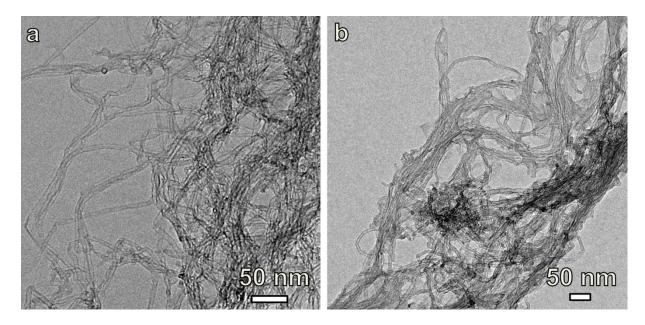


Fig. S1. XPS survey spectra of GM foam before and after (20sec, 40 sec, 60 sec) UV-ozone treatment.

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IR p	eaks	Assignments
~10	070	ν(C–OH) <sup>46</sup>
11	82	v(C–O), carboxyl monomer <sup>33, 35, 47, 48</sup>
12	259	v(C–O), carboxyl dimer <sup>46</sup> , or $\delta$ (O-H) <sup>49</sup>
13	579	δ(O-H) <sup>35, 46, 50</sup>
14	-64	$v_{as}(CH_3)^{49}$
15	512	v(C=C) 47
15	585	v(C=C) <sup>35,51</sup>
16	510	$v_{as}(COO^{-})^{46}$ or $v(C=C)^{52}$
17	'13	$v_{as}$ (C=O), carboxyl dimer <sup>32-35, 48</sup>
17	40	$v_{s}$ (C=O), carboxyl monomer <sup>32, 34, 35, 48</sup>
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 Table S1. IR peak assignments.



<sup>5</sup> Fig. S2. TEM images of CNTs (a) before and (b) after 60 sec UV-ozone treatement.