



d)

Category	O/C atomic ratio	Flake length ( $\mu\text{m}$ )
SR-GO	$0.12 \pm 0.07$	$0.16 \pm 0.17$
S-GO	$0.43 \pm 0.05$	$0.10 \pm 0.13$
SHO-GO	$0.58 \pm 0.04$	$0.18 \pm 0.14$
MR-GO	$0.11 \pm 0.07$	$1.13 \pm 0.39$
M-GO	$0.49 \pm 0.07$	$0.97 \pm 0.20$
L-GO	$0.50 \pm 0.10$	$2.48 \pm 0.47$