

Electronic Supplementary Information

Synthesis of graphene oxide/sodium silicate nanocomposite using sodium silicate solution^t

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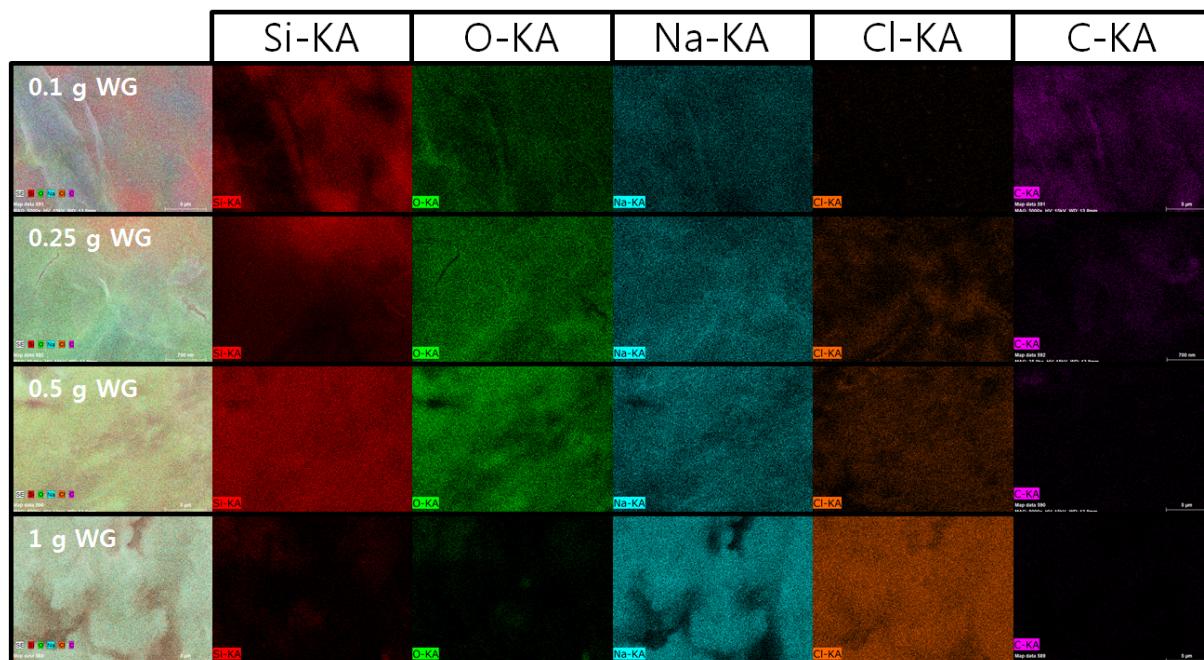


Fig. S1. SEM-EDS elements map images of rG-O/Na₂SiO₃ nanocomposites prepared with different concentrations of WG.

WG Weight	Si [wt%]	O [wt%]	Na [wt%]	Cl [wt%]	C [wt%]
1 g	-	1.73	37.74	60.54	-
0.5 g	20.41	44.65	18.45	12.20	4.29
0.25 g	24.36	43.99	16.46	8.39	6.79
0.1 g	24.89	20.16	6.01	-	49.94

Table S1. Quantitative analysis by EDS point analysis of rG-O/Na₂SiO₃ nanocomposites prepared using different weights of WG.

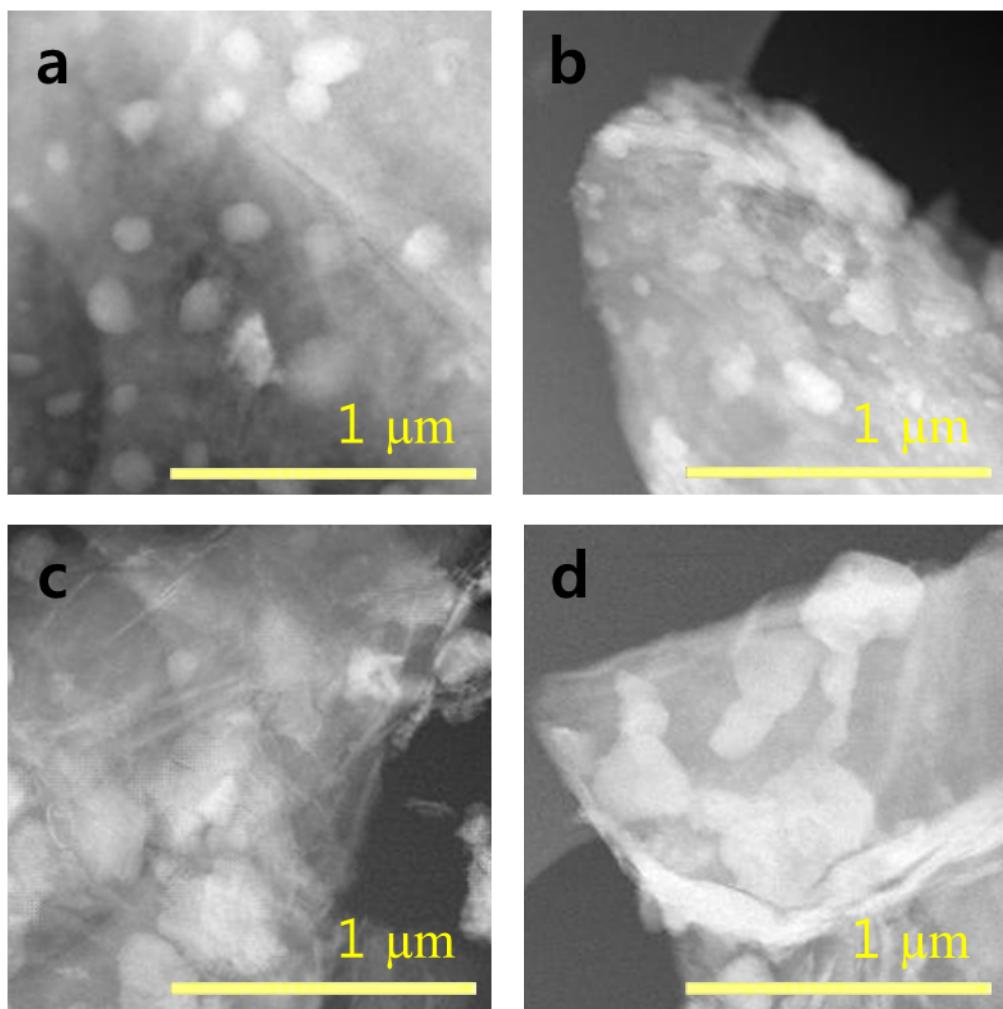


Fig. S2. STEM images of rG-O/Na₂SiO₃ nanocomposites prepared with different concentrations of WG (a) 0.1, (b) 0.25, (c) 0.5, and (d) 1 g, respectively.

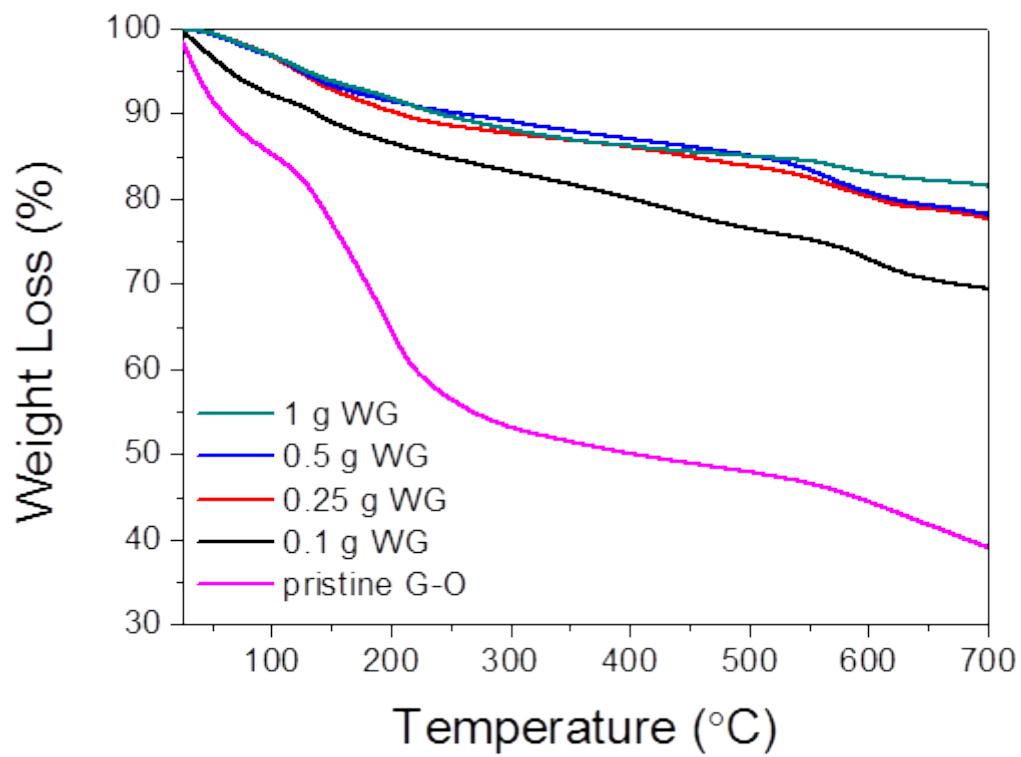


Fig. S3. TGA curves of pristine G-O and G-O/ Na_2SiO_3 nanocomposites prepared with different concentrations of WG.