

*Supporting Information*

# Simultaneously Enhancing the Strength, Plasticity, and Conductivity of Copper Matrix Composites with Graphene-Coated Submicron Spherical Copper

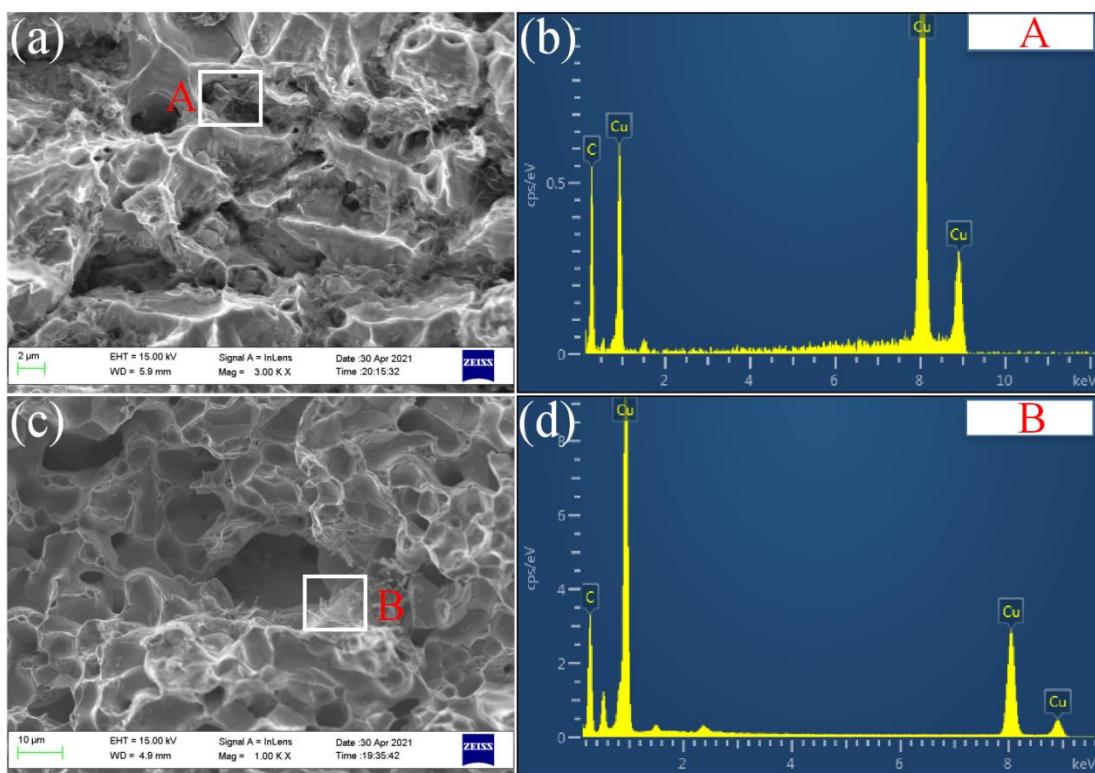
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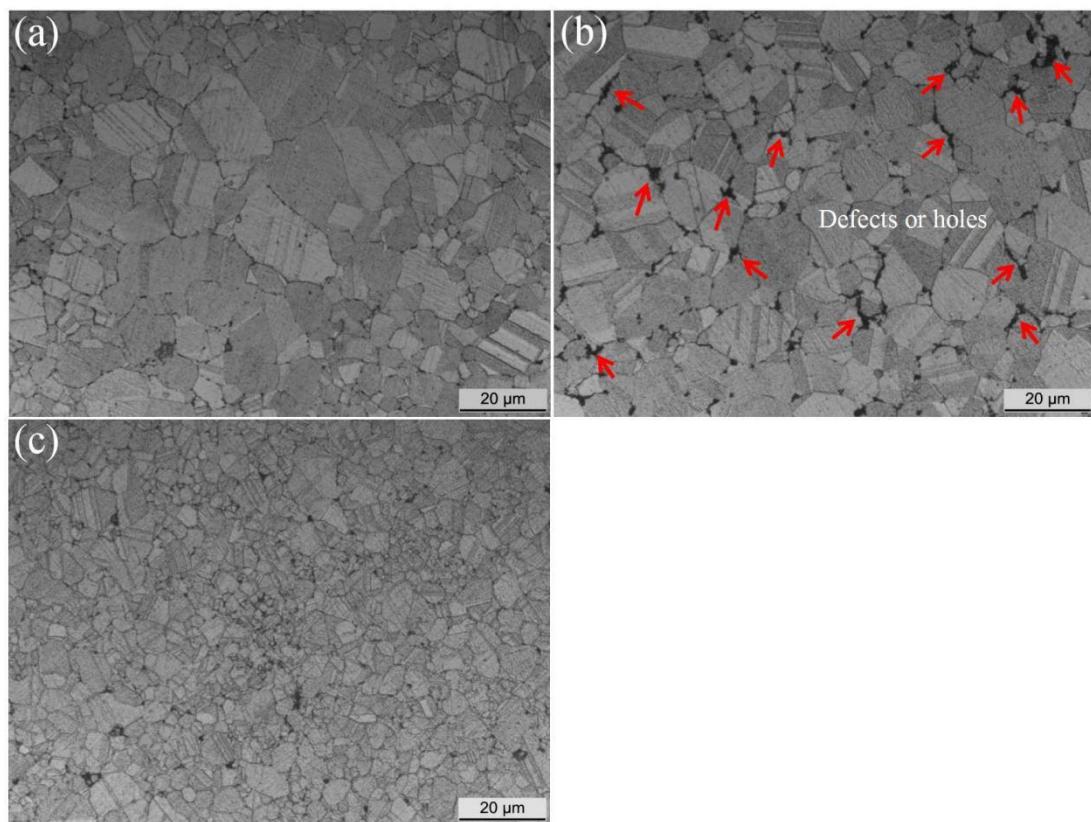
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**Figure S1.** (a) Fracture SEM images of SSCu@rGO/Cu composites, (b) the EDS image of the white box at position A in Subfigure (a), (c) fracture SEM images of rGO/Cu composites, and (d) the EDS image of the white box at position B in Subfigure (c).



**Figure S2.** (a) OM image of pure Cu surface, (b) OM image of rGO/Cu composites surface, and (c) OM image of SSCu@rGO/Cu composites surface.

**Table S1.** Hardness measurement value.

Samples	Hardness (HV)				
Pure Cu	81.8	83.7	83.3	83.5	85.7
0.1%rGO/Cu	85.9	85.1	85.7	87.2	89.8
0.3%rGO/Cu	60.2	69.3	65.6	59.5	59.3
0.5%rGO/Cu	46.0	47.8	47.8	49.2	47.6
SSCu/Cu	83.8	90.9	84.8	90.9	90.6
SSCu@0.1%rGO/Cu	106.0	109.9	105.2	109.5	103.0
SSCu@0.3%rGO/Cu	109.1	101.5	104.5	114.1	104.8
SSCu@0.5%rGO/Cu	97.3	95.0	96.0	92.5	94.0