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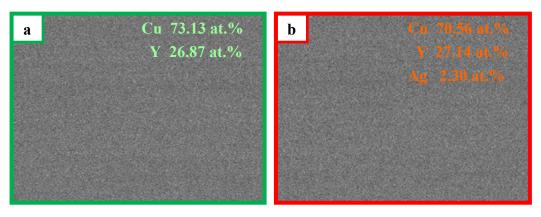


Fig. S1. SEM images and the corresponding EDS results of the samples: (a) $Cu_{72}Y_{28}$ metallic glasses, (b) $Cu_{70}Y_{28}Ag_2$ metallic glasses.

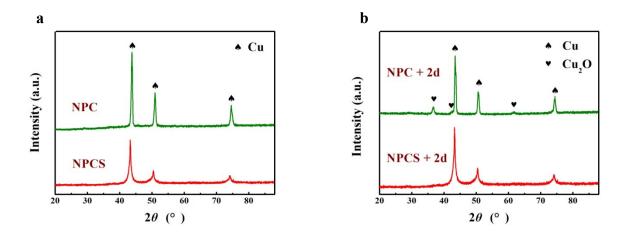


Fig. S2. XRD patterns of the dealloying samples which aged in air for (a) 0 days, (b) 2 days.

Table S1. The concentration of metal ion in solution after the sono-catalytic reaction.

	Cu	Ag	Y
NPC	0.042	-	-
NPCS	0.034	0.006	-