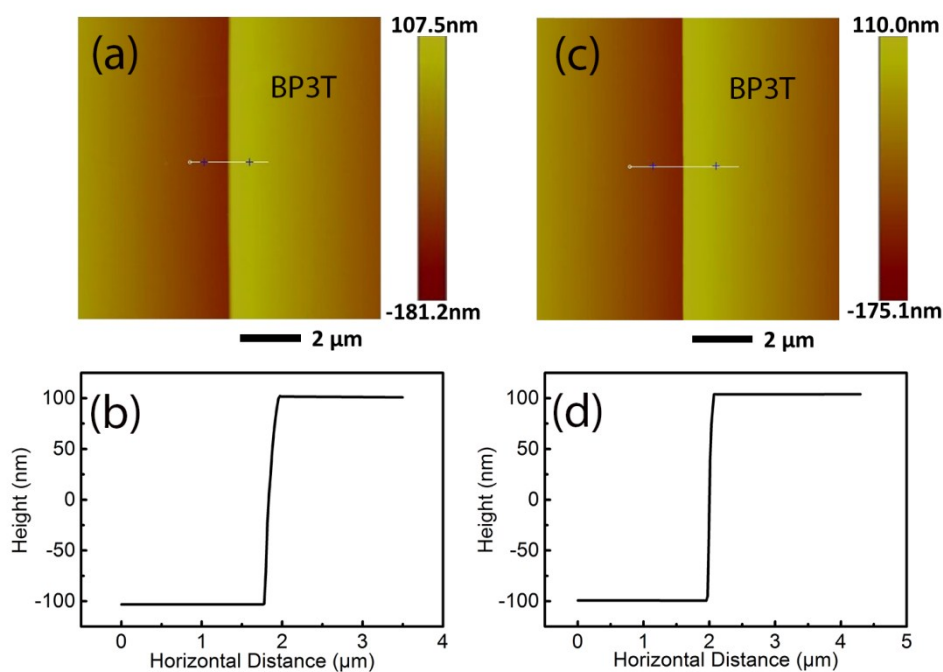


## Supporting Information

### Surface plasmon-enhanced amplified spontaneous emission from organic single crystal by as-grown graphene/copper nanoparticles hybrid nanostructures

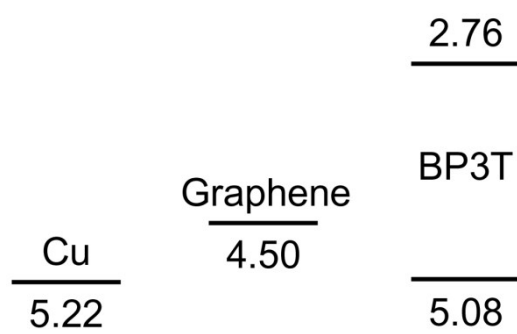
Yun-Fei Li,<sup>a</sup> Jing Feng,<sup>\*a</sup> Feng-Xi Dong,<sup>a</sup> Ran Ding,<sup>a</sup> Zhen-Yu Zhang,<sup>a</sup> Xu-Lin Zhang,<sup>a</sup> Yang Chen,<sup>a</sup> Yan-Gang Bi,<sup>a</sup> and Hong-Bo Sun<sup>a,b</sup>



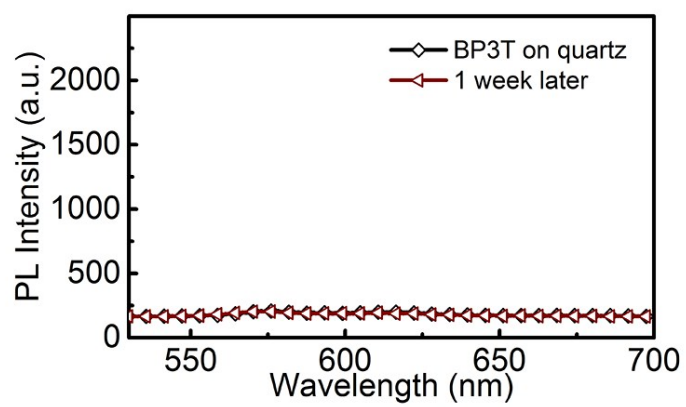
**Fig. S1** AFM images and height illustrations of BP3T crystals integrated on Cu NPs with (a)-(b) and without (c)-(d) graphene coating.

	$\tau_1$	$\tau_2$	$\tau_{ave}$
BP3T on graphene/Cu NPs	1.01 ns (86.94%)	9.05 ns (13.06%)	2.06 ns
BP3T on Cu NPs	1.38 ns (80.30%)	9.35 ns (19.7%)	2.95 ns
BP3T on quartz	1.55 ns (76.77%)	9.73 ns (23.23%)	3.48 ns

**Table S1.** Best-fit parameters of time-resolved PL decay for BP3T crystals on graphene/Cu NPs, Cu NPs and quartz.



**Fig. S2** Schematics of the band diagram of Cu-graphene-BP3T.



**Fig. S3** Time evolutions of photoluminescence (PL) spectra of BP3T crystals on quartz under the illumination of femtosecond pump beam.