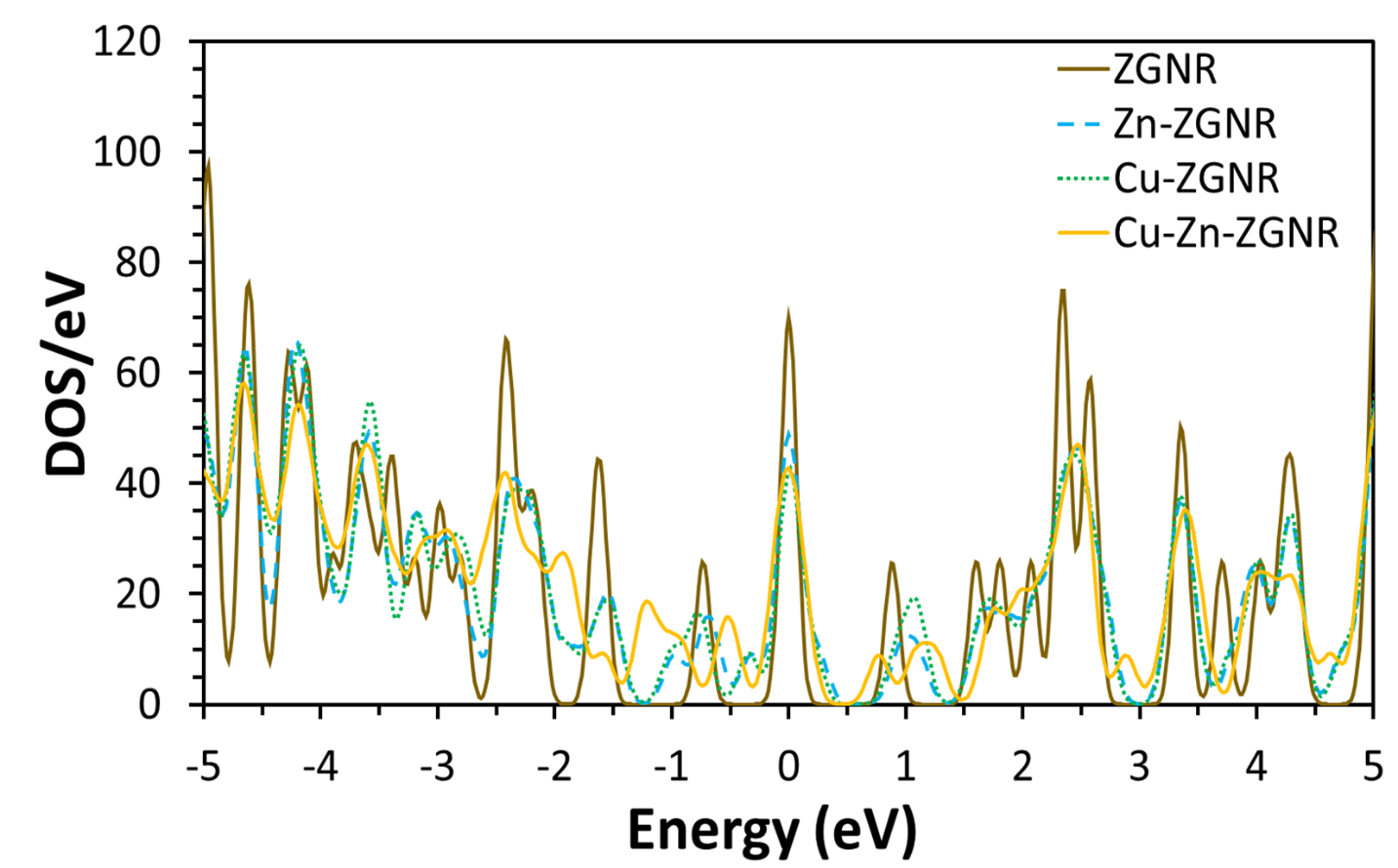
**Supplement figure:**

**S-Figure 1.** Density of states of ZGNR, Zn-ZGNR, Cu-ZGNR, and Cu/Zn-ZGNR.

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