

Supporting Information

**Revealing Long-Range Orbit-Orbit Interaction between Coherent Light-Emitting Excitons
Occurring in Amplified Spontaneous Emission in CsPbBr₃ Microstructures**

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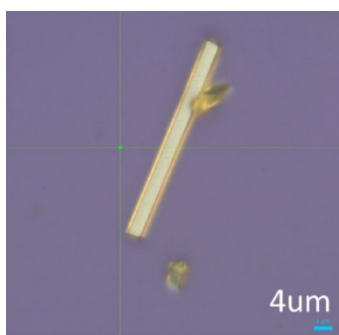


Figure S1. Magnified optical microscopy image of a single CsPbBr_3 microrod grown in the glass substrate.

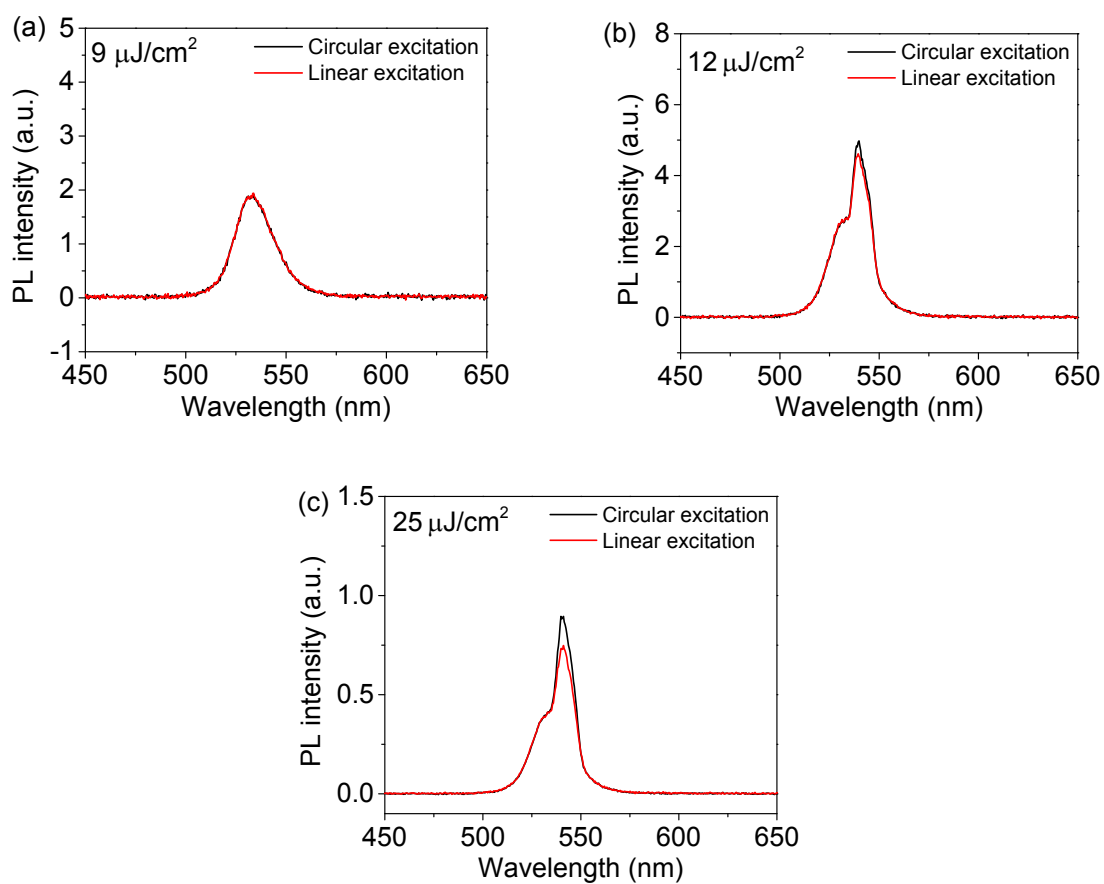


Figure S2. ASE spectra under circular and linear polarization sources at different excitation intensity below and above the threshold.