

ARTICLE

Giant Stark Effect Assisted Radio Frequency Energy Harvesting Using Atomically Thin Earth-Abundant Iron Sulphide (FeS_2)

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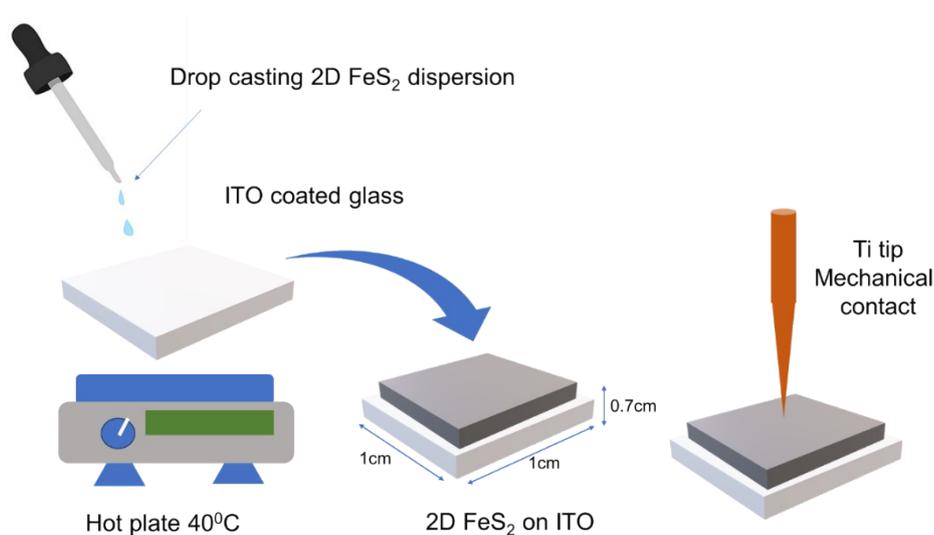


Figure S1: Schematic representation of device fabrication using the drop-casting method

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Electronic Supplementary Information (ESI) available:

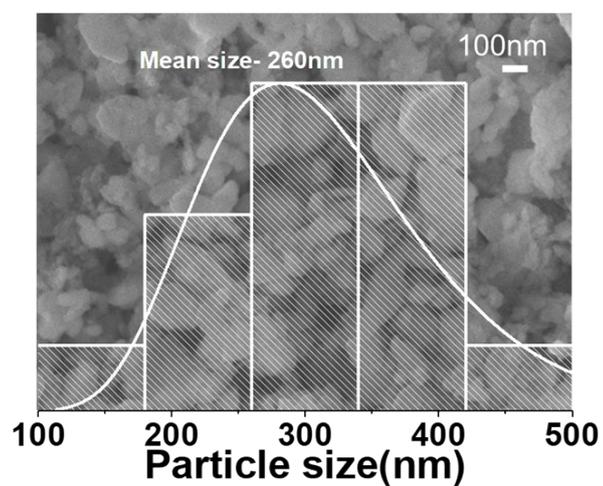


Figure S2- FESEM image of 2D FeS₂ coating on ITO-coated glass substrate

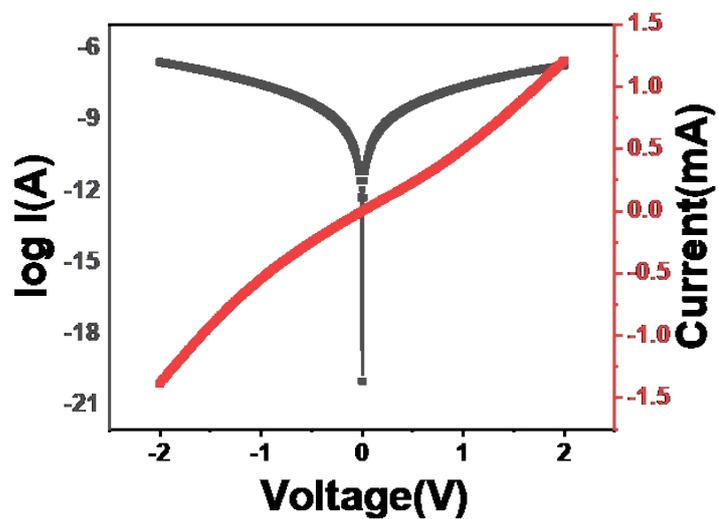


Figure S3- Current-voltage characteristics of bulk FeS₂

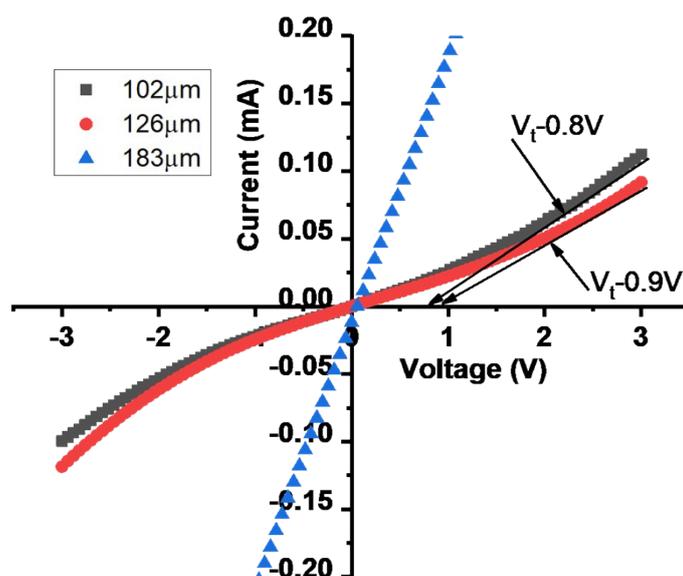


Figure S4- Voltage current characteristics of Ti/2DFeS₂/ITO device with varying thickness of FeS₂ coating

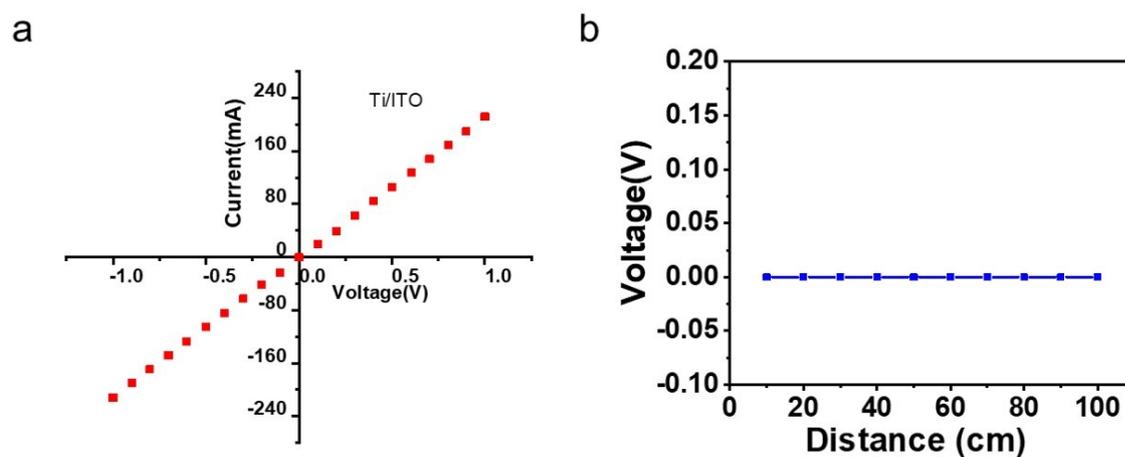


Figure S5- Voltage- current characteristics of Ti/ITO configuration and (b) Voltage versus distance measurements at 150MHz.