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Enhancing the conductivity of graphitic thin films using silver nano wires[1] MILES ST JOHN, MEDINI PADMANABHAN, Rhode Island College, DEPARTMENT OF PHYSICAL SCIENCES, RIC TEAM — Graphitic thin films are widely researched as potential candidates for use as transparent conducting electrodes in solar cells. Starting with commercial graphite powder, we fabricate thin films using the technique of interface exfoliation. We find that these films typically exhibit high electrical resistance. In this work we attempt to increase the conductivity of our thin films by adding silver nano wires.

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