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- Semimetal
 - Dirac fermions, zero effective mass
- Charge carriers ballistic transport
 Up to a micron at room temperature
- Mobilities as high as 200,000 cm²V⁻¹s⁻¹
 - High frequency electronic devices
- Absorption 2.3% visible light
 - Transparent conductor, low resistance
- Inducing bandgap
 - Nanoribbons: confinement gap scales with width



*Copper foil (copper thin films) *Large areas, high quality possible *Mobilities up to 7350 cm²V⁻¹s⁻¹ at low temp







