

Novel Exfoliation Process For Bismuth Telluride

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Status:

Seeking R&D and/or
 licensing partner
 Patent Pending

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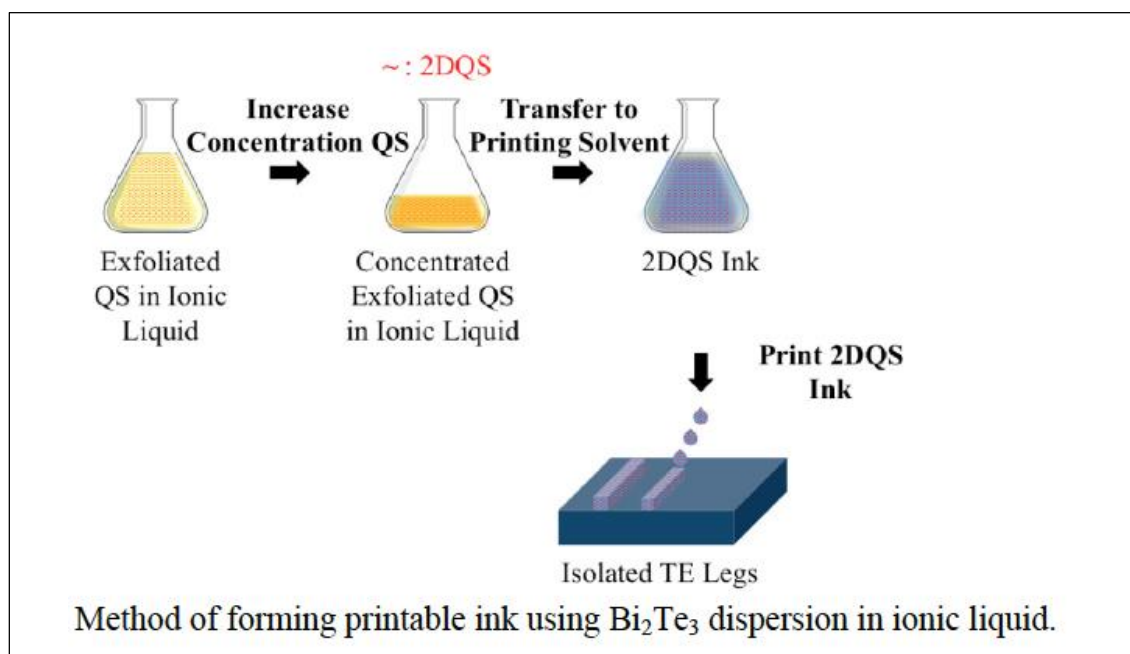
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Exfoliation using Ionic Liquids

- Bismuth Telluride (Bi_2Te_3) is layered material with exceptional thermoelectric properties
- Developed reliable and effective method for industrial scale production for 2D materials
- 2D Bi_2Te_3 predicted to have thermoelectric properties 7X greater than current bulk material

Advantages

- Convenient, cost effective route to produce 2D quintuple sheets (2DQS)
- Facilitate the deposit of 2DQS onto a substrate, creating easier route to improved thermoelectric and spintronic devices



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