Sonolelectrochemical Synthesis of Nanostructured Thermoelectrics
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\[ ZT = S^2 T \frac{\sigma}{\kappa} \]

[Diagram of experimental setup involving electrochemical workstation & controller, sonicator, ultrasound horn & cathode, counter & reference electrode, and workpiece with labels such as PbTe 2.5K LB, 3.5% PbSe pH=9.8 PbTe 2.5KLB-11.

Graph showing intensity (normalized) vs. 2θ (Degree) with PbTe 2.5K LB and 3.5% PbSe pH=9.8 PbTe 2.5KLB-11.

Micrographs A and B showing nanowires and nanorods with labels such as 100 nm, 50 nm, 20 nm, and 100 nm scale bars.

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