

**Rapid Route to Perovskites: Barium Titanate Nanoparticles via Microwave assisted
solvothermal Synthesis**

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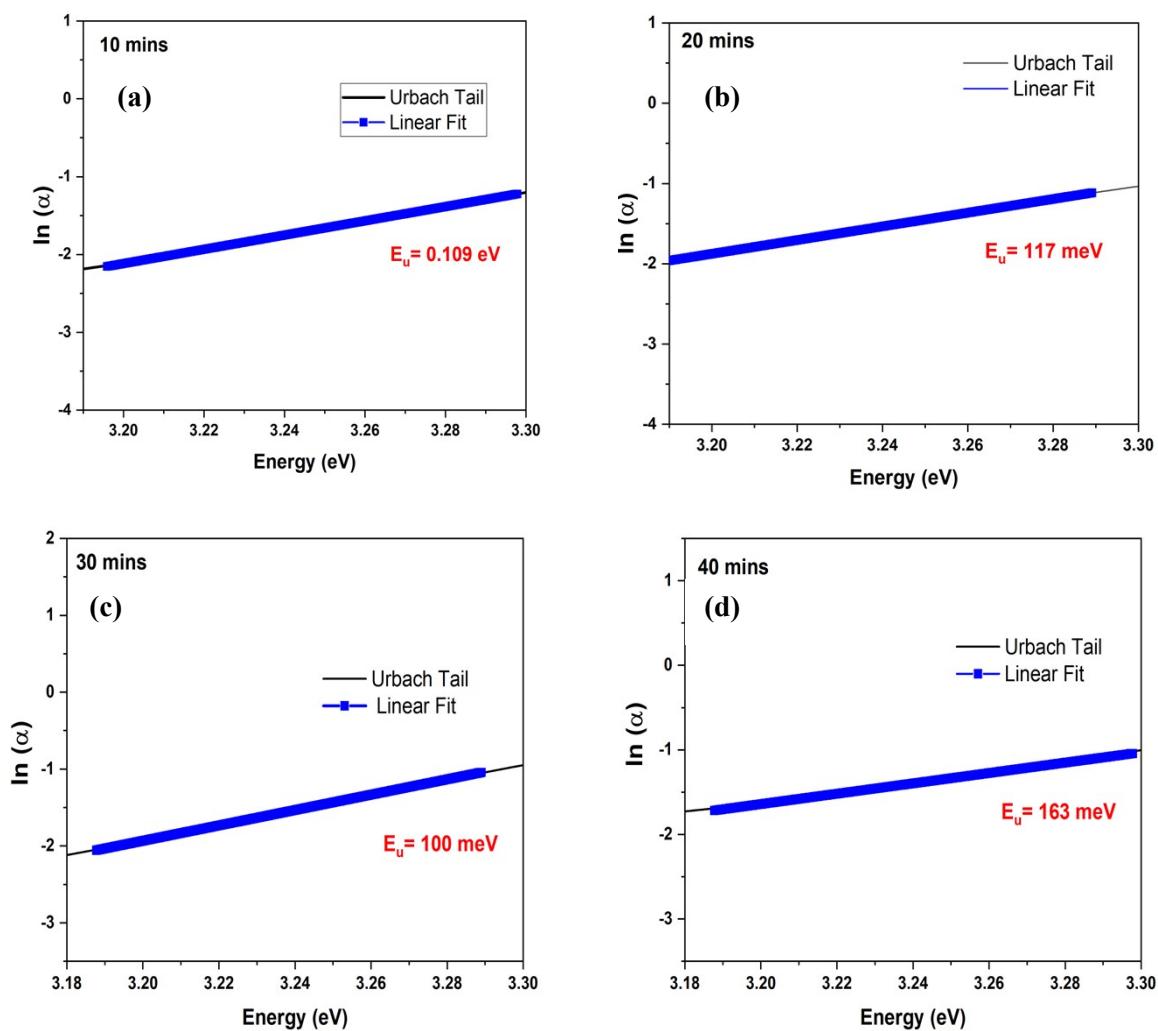


Figure S1: Urbach tail plot for samples at different intervals a)10 minutes b)20 minutes, c)30 minutes and d) 40 minutes

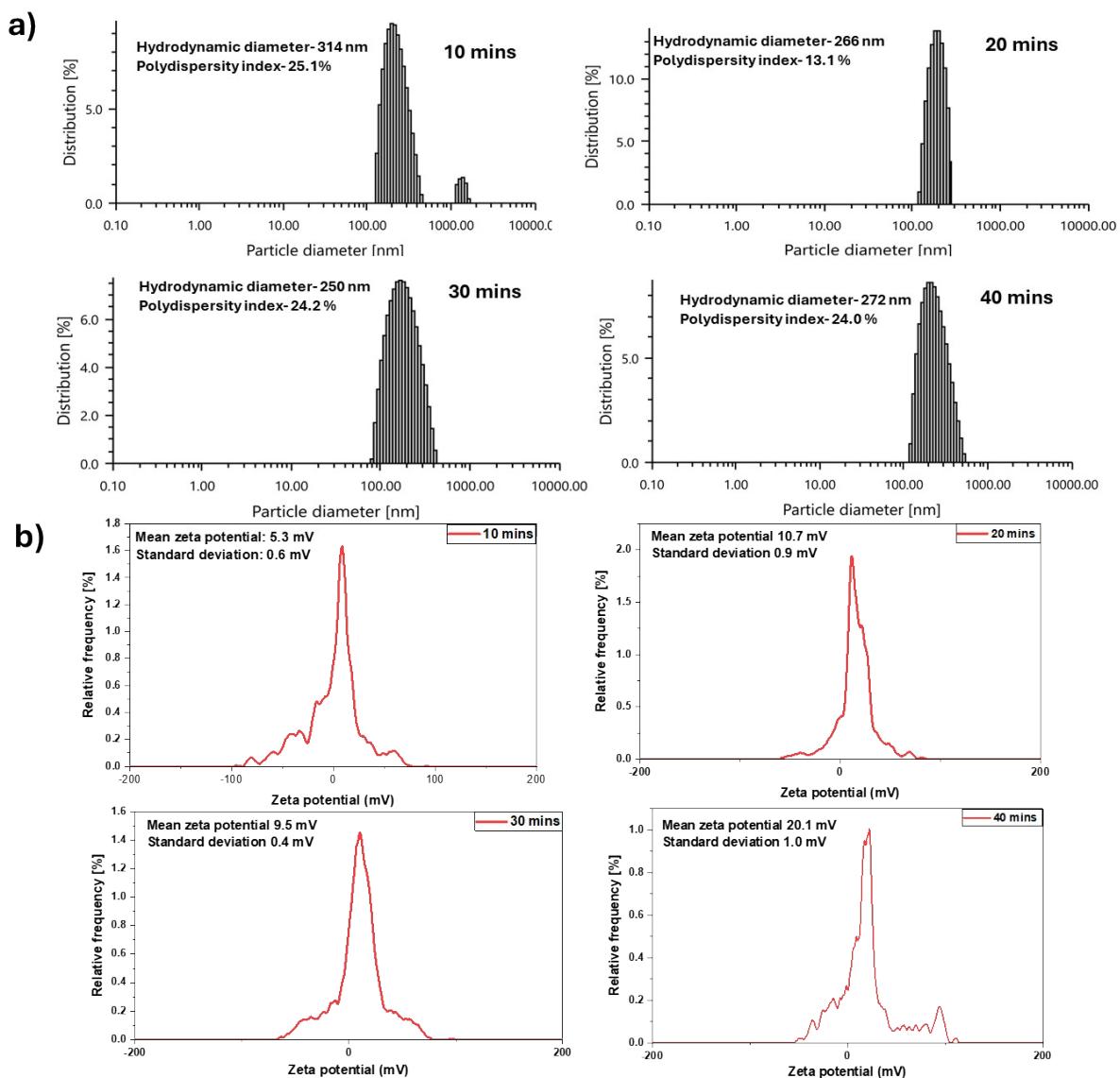


Figure S2: a) Particle size and b) zeta potential of barium titanate synthesized at different time intervals.

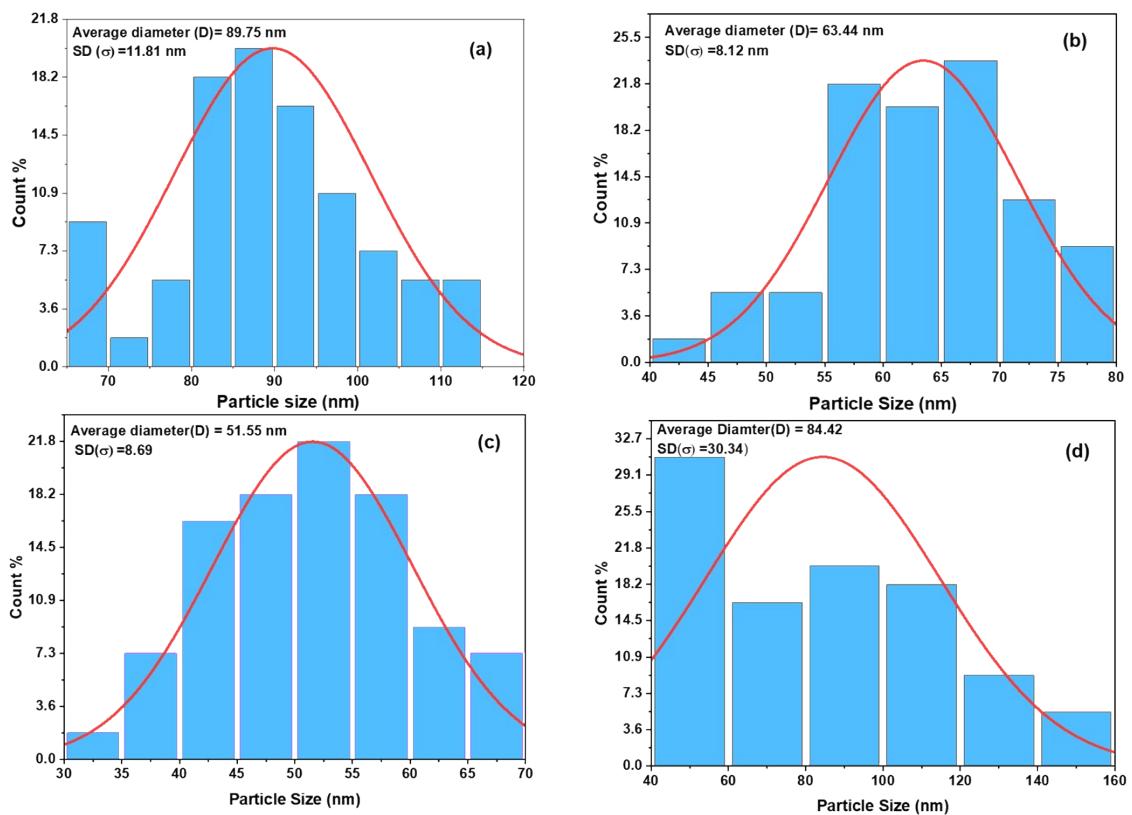


Figure S3: Size distribution of the fabricated nanomaterials a)10 minutes b)20 minutes c)30 minutes and d) 40 minutes