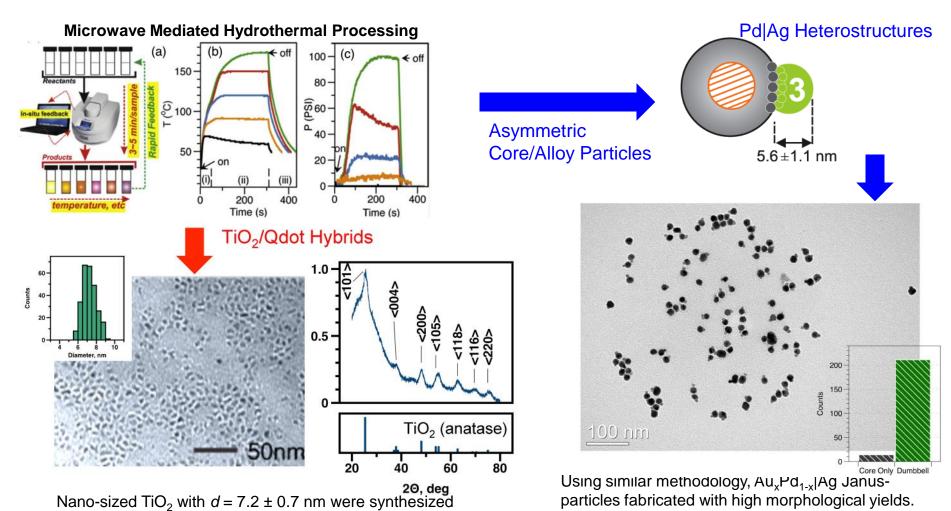
Investigation of Hydrothermally Processed Nanomaterials for Integration with Third Generation Photovoltaics

Mathew M. Maye, Department of Chemistry, Syracuse University, Syracuse NY 13244



Using microwave/hydrothermal heating, resulting in anatase

Crystal structures. TiO₂|Qdots heterostructures also fabricated.

Growth due to nature of alloy NP interface and the

extent of lattice mismatch/surface tension.