

Hydrogen From Electrolytic Splitting of water

Synthesize thin films of nanostructured TiO₂ using microwave plasma CVD/sputtering techniques. This will involve selective doping of the film as well and measurement of electrical/optical properties. In addition, nanorods and nanotubes of the same materials will be synthesized. The synthesized film will be used in energy conversion system that Solar Thrust is proposing and the electrical energy produced will be utilized for hydrogen production as well.