

**Unfaceted micron-sized gold crystals (Technion)****code:** CHM-1605

This invention proposes a method for the preparation of a single, porous curved tunable crystal of gold. The method consists of evaporation and annealing to result in the formation of liquid micro-droplets of Au-Ge. By changing the shape of the droplet the shape of the single crystal can be controlled. Applications include micro-lenses and micro-mirrors, and can be used in drug delivery or highly conductive porous structures such as scaffold for photovoltaic devices.

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